

The dyadic model of Consciousness notes

Part 1

http://www.quantrek.com/Dyadic_model_part1/dyadic_model_part1.htm

The dyadic model assumes that all human experience, including the mystical experience, has a valid informational basis, that is information (patterns of energy) is the root of all perception. It accepts the sciences from quantum science through paleontology have produced valid bodies of information. But the reinterpretation of the data, that is to say new meaning, may be necessary in view of a comprehensive theory of consciousness, because science has here-to-for excluded consciousness from its epistemology. All subjective experience, including the data from scientific inquiry and insights from the mystical experience, are perceptions that must be interpreted and given meaning. Scientific data is given meaning in Mystical interpretations of the inner experience that have been communicated in terms of allegory and metaphor and require re-examination in terms of modern knowledge about information and learning.

In the dyadic model both science and religious experience are just two different ways of “knowing” that employ different functions of the brain and are dyadically coupled.

Traditional philosophic models of existence may be categorized as materialist, idealist or dualist, meaning that existence originates in physical matter; existence originates in consciousness; or existence is both. The dyadic model has elements of the traditional models but is unique in its viewpoint of how matter and consciousness are related. In the dyadic model existence and knowing are linked at all scale sizes and all along the evolutionary path. Virtually all theologies concern themselves with some variation of the idealist model, as does the Many Worlds interpretation of quantum mechanics.

. Quantum theory suggests that mind, or knowing, must now be considered when making observations at this level of existence. Thus quantum theory raises questions about determinism in its strictest sense...

Pat 2

http://www.quantrek.com/Dyadic_model_part2/Dyadic_model_part2.htm

It has been subsequently discovered that at most elemental levels dynamic exchanges of quantized energy between matter and the zero point field continuously take place.

... Experiment has demonstrated (Aspect, 1982) that particles have non-local properties insofar as their previous interactions involved an identical quantum state.

When we consider the way the human organism receives information, science has limited itself to considering information from the five normal senses, all of which find their basis in electromagnetic theory. However the human body not only receives but perceives information from external sources and

also has an elaborate internal “feeling sense” which manages information internally. “Feeling” is by definition a subjective experience. This internal feeling sense and the associated information management system is a key element in the dyadic model.

Although non-local effects have been observed and studied for over a century by parapsychologists, in the absence of a compelling theory the results have been ignored or disparaged and certainly misrepresented by mainstream science. Non-locality in quantum physics now provides a physical basis for these effects.

A large number of investigators for several decades have demonstrated that brain waves can be synchronized and information transferred between individuals across Faraday cage barriers. The results do not obey the inverse square rule of electromagnetic propagation, nor are they time dependent, suggesting the phenomenon is a macro-scale version of quantum non-locality, but with more degrees of freedom than simple particles undergoing a double split experiment.

Split brain theory, mapping the functional capabilities of the brain, plus anthropological studies suggest that the linguistic and reasoning capabilities, resident in the left hemisphere and frontal lobe, are later capabilities that have evolved. The functions of the right hemisphere and the limbic region are pre-linguistic, are responsible for pattern recognition, intuition, emotional response and more holistic functions. The dyadic theory suggests that the molecules of the body and brain are also in dynamic exchange of energy with the zero point field (as is all matter) and also resonate non-locally with each other and the remainder of the universe. The brain/body inner “feeling” sense provides perception of this information. Likely the zero point field is the mechanism for this resonance.

Observed first at the level of subatomic particles, but by extension to all matter, non-locality provides an information basis for all subjective experience. In retrospect it seems exceedingly strange that if both energy and information have been present from the beginnings of the universe, and that matter seems to have self-organized from energy, that information would not also be utilized in the organizational process. But information is the basis of “knowing” and “knowing” implies the attribute that Homo sapiens experience as “consciousness” or “mind”. Thus mind in some elemental sense is ubiquitously present in the universe.

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I argue that the most fundamental aspects of consciousness with which we are concerned are actually “perception” (or awareness) and “intentionality” (or volition).

In the dyadic model perception and intentionality are dyadically coupled, that is to say they occur together. If one can discover the intentional behaviors in nature, then awareness will be present also.

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Homo sapiens experiences self-reflective awareness, meaning the ability to reflect upon the information content of our thoughts. The primates are perhaps on the edge of experiencing self-reflection but certainly have a full measure of self-awareness. By self awareness I mean the ability to distinguish self from other...

It is likely that self-awareness can be found in many, if not most, animals having multiple sensors and a brain. Below self-awareness is undifferentiated awareness which means the ability to perceive information and to react to that information but without a concept of self.

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The dyadic model suggests that undifferentiated awareness, or simple perception, is a more fundamental attribute of matter than life itself, and the crucial point is the distinction between reception and perception of information. If non-random, non-deterministic behavior can be observed, perception can be inferred at that level of organization.

Part 3

http://www.quantrek.com/Dyadic_model_part3/Dyadic_model_part3.htm

Norbert Wiener of M.I.T. provided a numerical definition of information as the negative of entropy, circa 1942. James Shannon of Bell laboratories provided the seminal paper developing information theory six years later. A tacit assumption of information theory is that the meaning of information is carried in the signal, however, the meaning of information is assigned by the percipient.

Information is just a pattern of energy that requires perception to utilize and an information base (experience) from which to assign meaning....

Learning is precisely the activity of giving meaning to information and retaining the meaning for future use. Non-local resonance allows experience to be shared. [opens opportunity for the morphogenetic field]

The dyadic theory suggests that information in the environment caused "mentality" to begin its own organizing process. Thus the antecedents to human consciousness find their roots in the primitive processing of environmental information, but the most primitive of the processes is centered around non-locality.

... fractal evidence from chaos theory; nature repeats patterns at different scale sizes. Recursive evaluation of simpler nonlinear equations has been discovered to simulate exotic forms in nature, at different scale sizes. This suggests, not that nature knows mathematics, but that nature uses multiple feedback loops of energy and molecules to produce form. Together these phenomena are highly suggestive of learning behaviors and non-local resonance.

... Physicists have only looked for and verified nonlocality for basic correlations of polarization, momentum, etc. – the most basic wave/particle measures. But given that evidence, reason suggests that a most fundamental behavior of matter resides in the property of nonlocality and that nonlocality operates at all levels of complex matter.

Part 4

http://www.quantrek.com/Dyadic_model_part4/Dyadic_model_part4.htm

...the intuitive function is a basic mechanism in nature's scheme of information management, that is to say – "knowing". It evolved long before the left hemispheres and frontal lobes that seem to be responsible of language, reasoning and other high level mental functions.... Thus examination of the more primitive brain functions in the human organism is most likely to yield clues as to the historic role of consciousness and mentality in the evolving pre-anthropoc world.

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The dyadic model suggests that subjective/objective, internal/external must be considered complementary ways of knowing, in that both are required to properly describe reality.

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Several factors emerge immediately from considering the mystical experience from the dyadic point of view. The first is that mystical insights are just information that requires interpretation, not absolute and literal realities, that can stand alone.

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The cultural interpretations of samadhi are generally that the experience represents union with the godhead, or the ground of being.

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The dyadic model interpretation is that the body/brain is experiencing its "ground state" or resonance with the zero point field. The awareness is the undifferentiated awareness of the primordial field, as the sense of Self is merged totally into the field. The question immediately arises as to why an intense ecstasy plus a sense of security and eternity accompany this state. It is only within the larger question of why nature provided feelings at all that this question may be answered.

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Is the ecstasy, security, connectedness and eternity experienced in Samadhi a nature signal that the organism is doing something right, that should be repeated? Probably so. The ecstasy of the Samadhi is more intense (in my own experience and as reported by others) than any other positive human experience.

... The meaning of the experience is traditionally communicated in mystical and religious terms. However, the physiological correlates indicate coherent brain function with EEG strongly in the alpha and theta frequencies, a high state of relaxation, but mental alertness.

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Because human brain mass virtually unchanged for more than a hundred thousand years, and the evidence from persons with hydrocephalus who survive into adulthood demonstrates that only a portion of that brain mass is needed for normal human activities., the evolutionary path seems quite clear: more coherent, integrated use of both intellect (left brain) and intuitive (right brain) functions is where nature will take us.

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When humans began to label experience with language, it was reasonable to believe that the labels attached to external things. The problem of confusing the map with the territory began at that point with language...