

## A Proposed Electric Field Hypothesis of Whole Brain Function

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While we accept that the DNA of each cell of the organism codes for the proteins required for the structure and function of life, this template cannot in itself co-ordinate and regulate the differentiation of the organism into its multiple components, from the time of conception through maturation. It becomes obvious therefore that some co-ordinating and regulating influence would need to become operative at the time of conception and thereafter throughout the embryogenesis process until maturation. Based on the work of Burr (1) and subsequently Becker (2), there is strong evidence in support of the hypothesis that an electric field provides the template for tissue growth and differentiation. The initial biological electric field is derived from the fusion of the respective fields of the sperm and ova, which themselves are each products of the parental fields.

In the context of the Theory of Universal Oscillation (3), the newly formed zygote immediately resonates with its singularity-based energy equivalent. The zygote incorporates all the necessary coding required for development and maturation. Therefore the singularity-based energy equivalent, which is independent of time and space, would be representative of all the components associated with the final structural and functional form of the organism. In this way the energy equivalent form of the early zygote would already resonate with similar but mature life forms.

On this basis, the Universal Oscillation dynamic is proposed as the co-ordinating influence, regulating the electric field template of life and thus the maturation of the organism. As the organism matures, the electro-chemical processes of life will contribute to its primordial electric field template. This dynamic has been described in a previous article (4).

The electric field template also co-ordinates and regulates the growth and development of the neurons of the central nervous system. Neuronal processes have been observed to grow to precise locations under the influence of guidance factors (5). It is proposed that the guidance factors represent inter alia, the fundamental electric field template. The brain has an inherent frequency which is partially measurable as the electroencephalogram (EEG). The frequency at the origin of life would by definition be a representation of the complete neuronal configuration prior to the commencement of *reactive neurological activity*. Reactive neurological activity refers to the process in which sensory structures convey electro-chemical information to the appropriate sensory areas of the brain; sensory areas are then integrated within themselves and with other sensory association areas; higher levels of understanding develop, based on the labeling and recording of associations. In this way a unique subjective world view develops.

Neurological activity reflects the activation of growing and connecting neuronal processes. Conversely, post-maturation diminishing neuronal activity reflects the involution and loss of neuronal processes and connections. Changes in the volume of cells and connections would result in changes of the intrinsic conductivity of the brain locally and as a whole. This would then manifest as changes in overall electric field properties of the organ. It becomes apparent therefore that every new neuronal connection based on sensory labeling and sensory association will change the electric field properties inclusive of frequency, in some minute but discernable way. These micro-electric changes by definition denote the micro-bytes of information represented by the specific neuronal connection and thus the entity coded thereby. It is therefore proposed that stored memory is not a function of a specific chemical or of a specific circuit characteristic. Rather, memory is the change in the prevailing electric field characteristics resulting from changes in the micro-conductance of specific neuronal connections supporting that association. In this way our primordial electric field dynamic is changed by our subjective neuropsychological experiences. The field becomes our unique signature, our *carrier frequency*.

In the context of the Universal Oscillation dynamic, the new neuronal connections and the changes in electric conductance manifest in the singularity as newly created bytes of integration.

It is postulated that the resulting incremental electric field changes resulting from integrations representing labeled entities are programmed by the Universal Oscillation dynamic at the outset to equal resonance energy/frequency values of the entities that are represented. As a consequence, within the singularity the energy equivalence of the field changes resulting from the integration process of the represented entity has energy/frequency properties which support resonance with the energy equivalent of the specific entity itself. As a result, the carrier frequency of the individual consciousness would become imprinted upon the entity itself on returning to the relativistic environment. In a similar way the energy equivalent state of entities within the singularity may trigger the representative neuronal processes representing those integrated entities when the energy value is supportive of resonance.

The hippocampus is the structure involved in the storing and retrieval of stored memory. Its anatomical position facilitates the conduction of radial connections to and from the entire cortex. There is evidence to suggest that the hippocampus itself catalogues representation of all information stored in the cortical integration. The hippocampus as a relativistic structure is also subject to Universal Oscillation. It is proposed therefore that within the singularity, the energy equivalence of the circuitry-induced field changes representing catalogued hippocampal entities resonates with the energy equivalence of the circuitry-induced field changes representing entities in the cortex. On returning to the relativistic brain, memory recall will take place at a much faster rate than would have occurred through radial cortex-hippocampal neuronal conduction alone.

In real terms therefore individual, unique consciousness exists simultaneously within the neuronal processes of the brain; within the entire body; within all entities that have been perceived, labeled and imprinted and eternally, within the singularity.

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## **References**

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