

Advancement on the Mechanics of Conceptual Thinking (Expanded Republication PI)

André Michaud

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Abstract:

Description of the mechanics of conceptual thinking stemming from interaction sequences between the limbic system and the verbal areas of the neocortex. Description of the rise of the attention level to full active awareness when a feeling of uneasiness due to a verbal stimulus is triggered by the amygdala, followed by an active cogitation process involving the verbal areas of the neocortex, ending in the strengthening in the neocortex by the hippocampus of a synaptic arborescence corresponding to a modified verbal sequence that removes or reduces the feeling of uneasiness that initiated the sequence. Description of the generalization ability stemming from the use of articulate languages, acquired by education, from which emerges conceptual thinking and the collectively intelligible mathematical language that also develops to various degrees in some individuals by education. Description of the mathematical thinking mode, whose engrams have been located in areas of the neocortex that do not overlap the verbal areas.

Keywords Neocortex, Amygdala, Hippocampus, Verbal Areas, Conceptual Thinking, Articulated Verbal Language, Mathematical Nonverbal Language.

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(PROMOTIONAL VIDEO)

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