

differential calorimeters. Whereas the external thermal fluctuations can be explained by a variable heat capacity caused by spin conversion of para- and ortho- isomers of water, thermal changes in organic tissues can involve more complex spin-based processes, known in quantum biology.

The exact mechanisms of non-classical brain functions are currently under exploration in scientific community. However, on the experimental level we see a clear dependency between neurocognitive modeling in the form of meditative visualization and thermal effects at least in three different types of experimental setups. The largest series of experiments were carried out with high-resolution differential calorimeters and replicate results of three other laboratories [6], [7], [13] with similar outcomes. From our point of view, the most important factor in these attempts represents a systematic training – corresponding changes are well visible on EEG as more deeper ASC of trained meditators and their better results.

To some extent focusing attention on neurohumoral regulative centers of body can be viewed as supporting (or affecting) their functionality by consciousness-based mechanisms in ASC. Such an interpretation requires further biological and medical research, but it can explain various cases of healing and demonstration of unusual abilities of the body (for example, pouring water on the body in severe frost in the Himalayas in Tummo yoga [5]).

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