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It was assumed previously that “mental images” are involved in the process of thinking. To illustrate this, it is necessary to cite some of the great work done by Nikolai Ivanovich Kobozev (May 12, 1903 – February 24, 1974) [2], on the study of information processes and thinking from the point of view of two fundamental laws of nature:

1. The law of entropy for all molecular sets of any level:  $S > 0$  (for  $T > 0$ ).
2. The law of identity for thinking:  $A = A$ .

The law of entropy states that every molecular set has a positive entropy, therefore, entropy-free sets are unknown and are not statistically possible. Since statistics apply to the whole world of things, the second principle of thermodynamics in a generalized statistical form is the supreme arbiter here.

The law of identity, formulated by Aristotle about 350 years B.C. and today (in an augmented form) is the basic law of logic and a necessary condition for orderly thinking.

Thinking along the lines of thermodynamics, there is a problem: the incompatibility between the law of entropy for molecular sets, including the molecular apparatus of the brain and the law of identity for thinking. The entropic work of the molecular physico-chemical apparatus of the brain produces (as is commonly believed) non-entropic mental images (symbols) satisfying the law of identity and repeating and unmistakably identifying them as many times as necessary.

Kobozev N.I. proposed a solution, in his opinion the only one. Due to the regular death of neurons in the molecular apparatus of the brain, negative entropy (in the form of ultralight fermionic particles) is formed to provide the brain's thought processes.

Gerlovin I.L. assumed [1, p. 352] that there is reason to believe nature stores information on the structure of a physical vacuum, and not only matter is involved in the formation of this most complex and important information system of nature...

It should be clarified why the transmission of information within the being, as well as between beings, is carried out through mental images.

As Kobozev N.I. points out that the symbolic form is the universal, only possible non-entropic, objective form of the activity of consciousness, subject to the law of identity. But it is not the physico-chemical or morphological body of the symbol itself, but the recognition of it by consciousness. The entropy of a symbol is purely a geometric entropy, from which the uncertainty of energy or momentum is ruled out. Among the physical objects, only a symbol is capable of being entropic, identical and reproducible: it embodies the basic and highest property of consciousness.

Thus, in our understanding, a quantum of information is an elementary symbol, a virtual elementary particle. From the quanta of information, the Creator structures the mental image that is His complete creation. Every mental image already exists on the structure of the physical vacuum. The soul of any being, the Creator's creation, is structured from the quanta of information and is also stored on the structure of the physical vacuum, as it is with every creation.

The life of each of the Creator's creation is mapped out and, in my understanding, is like a kind of punched card. Each moment of life corresponds to a column, and a functional task corresponds to a row. Each punch reveals to the Being a mental image determined by karma. So, for example, part of the punching (mental images) in the rows of the column controls the processes of the functioning body of a Creature. Another part of the punching controls the received “spiritual” mental images. For example, an important thought that has come to your brain may be either assimilated or forgotten.

Such a punch card can be called the karma of a Creature's life.

[2] Kobozev N.I. Research in the field of thermodynamics of information and thinking processes. Moscow University Press, 1971. <https://www.physics-evolution.ru/interesting-articles-and-videos-ru>