THEORY OF QUANTUM ENTROPY LOGIC – TRIUMPHOF MODERN NATURAL SCIENCE

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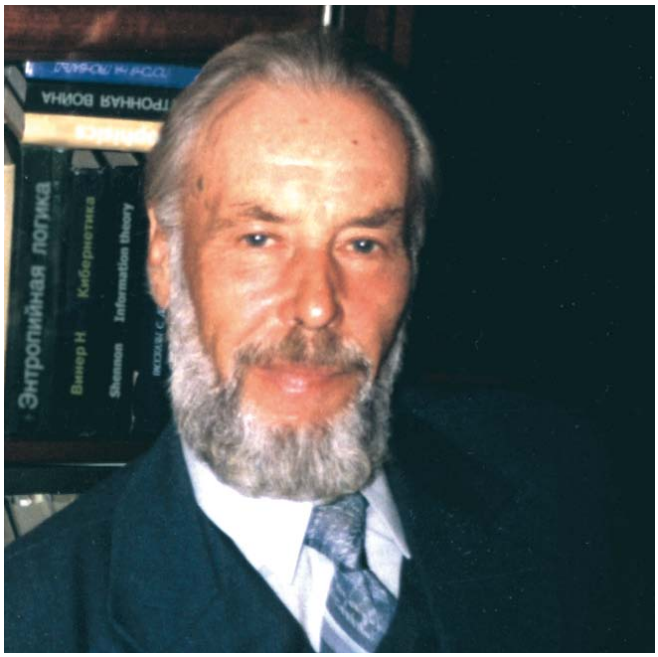


S.P. Nesterov

Nowadays international science has reached the new level of its development characterized by creation of integral knowledge obtained at the expense of development and active work of special complex scientific trends, synthesizing knowledge, principles and methods of several scientific disciplines as key problems of modern natural science can be solved on such basis only.

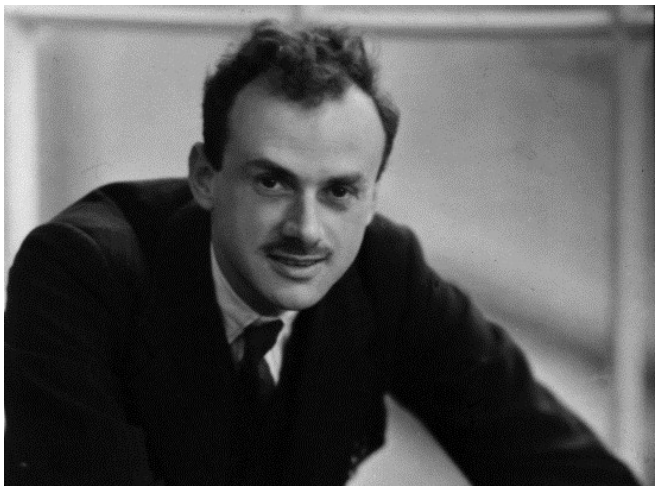
The theory **of quantum entropic logic of Professor Theodore van Hoven**, the quantum physician and specialist in electronics, has become this very synthesis science.

The theory of entropic logic is built on the basis of unlike knowledge, principles axioms and postulates of modern science: from information theory, quantum mechanics, thermodynamics, relativity theory to philosophy, psychology, sociology, ecology, catastrophe theory and other disciplines.

Theoretical foundations of data exchange were laid by C. Shannon, who had offered statistical value of quality of information. Information theory of Shannon has limited area of application as information function is considered by Shannon as some mathematical abstraction without interrelation with other fundamental functions of substance and does not allow to describe principles of obtaining initial information in the process of scientific cognition.

In his theory van Hoven considers information function as material category reflecting level of internal structural organization of the object and interrelating with such basic characteristics as energy and mass of the object.

Whether to consider electron-positron vacuum model offered by Paul Dirack in the form of spatial structure consisting of a set of electrons and positrons, then appearance of the source mass perturbation declares itself as lack of inertial compensation of these particles, taken as gravitational field. But



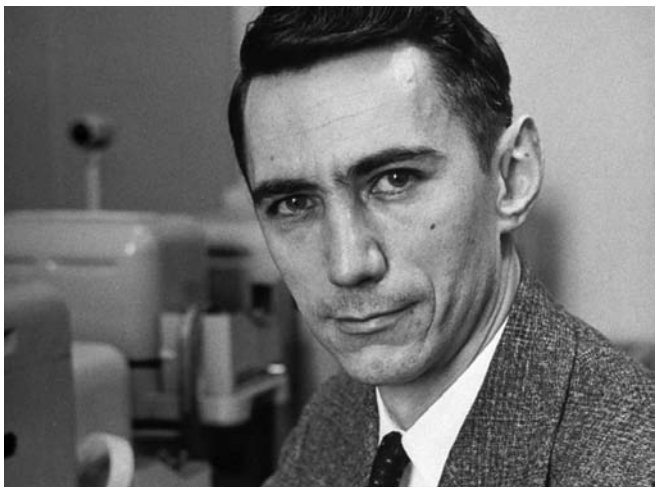
P. Dirac

at the same time lack of spin compensation that declares itself as some physical field and therefore is a component of gravitational field possessing identical orientation (convergence) in space-time continuum appears as well.

Professor H. Tokugawa (Tokyo University) was the first one to suppose that spin of particle characterizing rotation on its axis is corresponded by a specific physical field further known as "quantum field of entropy" or "torsional field".

S. Torn and E. Walton tried to detect the field conditioned by spin interaction empirically. Availability of such field would be a "guarantor" of preservation of moment of motion quantity just as gravitational field existing in the outskirts of any system of bodies is unambiguously connected with preserved mass of the system.

According to Geizenberg principle of uncertainty it is impossible to determine exact values of coordinate and impulse of a quantum object. Zero value of negative entropy of vacuum is "prohibited" by the principle of uncertainty, as in this case coordinate and momentum vector of the object are known simultaneously. Number of freedom degrees in vacuum is infinite; therefore a value of fluctuation of density of vacuum entropy can be infinite as well. So, states, in which vacuum has extremely high level of organization, determined by van Hoven as "an analogue of superconsciousness or similar states" can take place.



C. Shannon

General theory of relativity of Albert Einstein connected gravitational fields with distortion of four-dimensional space-time. Basing on principle of convergence of gravitation and entropy Professor van Hoven created a mathematical model of quantum field of entropy representing a quasi-field generated by caused deformation of space-time.

Van Hoven managed to surpass interdisciplinary barrier and to connect mechanics of Newton, Einstein and Plank, electrodynamics of Maxwell and thermodynamics with fundamental quantum-entropic characteristics of vacuum.

Theodore van Hoven set up a hypothesis initiating the true revolution in natural science. The sense of the hypothesis lies in the following. A magnitude of loss of system organization of a material system interrelated with electromagnetic radiation can not take on arbitrary or zero values. Density of entropy field of elementary systems must be equal to an integer divisible by certain quantity of energy of the system.

Thus, van Hoven determined interaction between degree of system destruction and maximum quantity of energy able to be radiated or absorbed by the system.

Each material system has selective interaction with electromagnetic radiation of certain wavelength, which energy of quanta is adequate to energy of destruction of the connection (entropic potential) of main components of the system.

During interaction of components of the system with quanta of electromagnetic field a value of density of entropy field of the system changes and this leads to gravitation-statistical disbalance in external environment. In its turn alternation of gravitation field gradient causes alternation of space curvature (dimensation) that leads to change of value of entropy of the system, which every component is characterized by strictly established (quantum) states of magnitude of entropic field.

Entropic heterogeneity of the medium of the material system conditioned by electromagnetic and gravitational fields serves as the source of internal energy of the system that declares itself in the form of generation of a terminal field for electrically charged particles.

Thus, information exchange of elementary components of the system is executed distantly, asso-

ciatively and selectively at the expense of quanta of electromagnetic radiation having energy adequate to energy of destruction of the connection (entropic potential) of elementary structure of the system. Static gravitational and electromagnetic fields lead the system to mechanical shift and polarization; dynamic gravitational and electromagnetic fields induce its entropic potential.

Any material system (mechanical, physico-chemical, biological or social) can only be in such stationary states, in which energy of internal connection of components exceeds energetic background of entropic fields of the ambient environment.

According to postulates of quantum-entropic logic, any event even in the smallest scale of time, with seeming continuity happens discretely by means of changing phase state of the system. Whether value of the stimulus, i.e. any external influence, exceeds critical threshold, then the value of entropy of the system increases in spurts.

Thus, some "terminal" state of the system, where upon transfer the stimulus of critical threshold makes a break of internal dominant connections so terminating existence of the given system as united functional whole, shall exist. From the positions of quantum mechanics, true break – a final result of infinitely small change – is unobservable in principle: one can never say with confidence that the reason, indeed, was larger than any finite quantity established in advance.

Validity of law on conservation of general level of structural organization of system allowed van Hoven to explain existence of so called "paranormal events" from materialistic and natural scientific positions without using mysterious or religious conceptions. Thus, various paranormal phenomena (with the attraction of basic principles of the theory of quantum entropic logic) can be successfully brought to a narrow circle of physical events available for natural scientific studying. With the help of the theory of entropic logic such paranormal events as clairvoyance, telepathy and adjacent thereto practically important trend of rod detection (radiesthesia) can be easily explained.

Theory of quantum entropic logic admits principal probability of prediction of forthcoming events under absence of any initial information (nonlinear forecasting). From the point of view of ordinary trivial logic the future does not exist, and predictions of forthcoming events are similar to invasion of absurd to sacred bounds of common sense.

There is an Abrahamson theorem on inherent inevitable uncertainty of phase states in the theory of entropic logic. The theorem proves impossibility to characterize a moment of breach of internal connections upon excess of critical value by the stimulus by unified time scale. At the moment of breach all phase states come to a single center existing beyond the time. Such state of the system corresponding to the phase of terminal breach can be naturally called a "time focus". In the time focus all phase states merge and entropy density of the system tends to infinity. Thus, the system being at the terminal stage can be concurrently registered in any other phase of its existence. Reliability of the forecast of the system's state will be proportional to its entropic potential in the given time phase.

Registration of extreme values of entropic potential on the time scale allows determining conditions of stable existence of any material system (object).

The theorem of uncertainty of phase states allows predicting with some likelihood appearance of unsteady metastable states, in which probability of destruction of the system increases significantly.

Experimental confirmation of the principle of uncertainty of phase states had been being provided by G. Sheppard (Stanford University) in controlled laboratory environment during tests on prediction of future events formed by random number generator.

High level of correlation between parameters characterizing speed of densifying entropic field of metastable system and forecast reliability is discovered.

Metatable system can be imagined as a family of elements, in each of which gradual increase of density of entropy that leads the system to unsteady critical state (nonlinearity, plurality of states, chain and avalanche processes appear) takes place. Metastable systems show high sensitivity to extremely weak external influences upon sufficiently great number of active elements (N). The larger N value, the weaker influence, which can lead the system to the terminal state. Fluctuation of density of entropy of metastable system is accompanied by generation of flicker effect that is characterized by increase of signal power in unit frequency interval upon underfrequency. The simplest physical elements generating flicker effect will be corresponded by defects of internal structure, namely: tectonic fractures in geological structures, defects of crystal lattice of semi-conducting elements or impurity centers in biological substrates.

By invitation of the National Aeronautics and Space Administration (NASA) and the Pentagon Theodore van Hoven headed the program on creation of electronic devices for purposeful alternation of the state of consciousness and obtaining reproducible psychophysical effects of contactless obtaining information from distant (hidden) objects.

The most of experiments was performed within the precincts of International Stanford Research In-

A natural disaster ("The Last Day of Pompeii" by Karl Briullov)

stitute (SRI) – the major laboratory studying paranormal effects. Experiments resulted in creation of equipment functioning on the basis of the principle of multiplication of initiating signal upon decomposition of metastable states. Later on this equipment, as well as analogous designs, was called as "brain machines" (metatrons). From the physical point of view, "brain machines" are a system of electronic oscillators resonating at the wave-length of electromagnetic radiation, which energy is adequate to destruction energy (entropic potential) of dominant connections maintaining structural organization of the system researched.

The theory of quantum entropic logic of Theodore van Hoven allows to answer primeval philosophic question – why is the world around us so imperfect, why do accidents, disasters, catastrophes and wars occur, what is good and evil – from the physical positions.

In spite of variety of accidents, catastrophes and disasters they have single general mechanics – autooscillation processes of density of fields of entropy of vacuum related to alternation of gradient of gravitational and electromagnetic fields. At the certain moment corresponding to the terminal phase critical level of stable existence of the system in the given stationary state is being exceeded and this fact leads to increase of destructive processes, decrease of organizational level, and as a result – to full destruction of the system.

Formation and evolution of substance is an organic consequence of formation of quantum fields of entropy that regulate all physical processes. Processes of vital functions, including higher nervous activity of the human, are no exception.

Periods of high tension of terminal fields in respect of biological and social objects can appear in the form of weakening of adaptation systems of living organisms, asthenization, delinquent behavior and inadequate sexual reactions, growth of sickness and death rate, epidemics, mass psychoses, increase in crime, economic and social crises, armed conflicts and wars.

But these are periods of high "information induction", the time, when genii are born and epochal discoveries in science and technology are made as well.

As any material object interchanging information with ambient environment the human generates an entropic field in wide range of frequencies and energies. A biological system with high field tension is able to destabilize ambient physical bodies by its radiation. Thus, the organism with huge entropic potential literally decreases durability of all ambient items (architectural constructions and mechanisms) and oppresses vital functions of other biological structures.

A lot of minor troubles that start chasing us and, as a rule, no more than annoy us (mudded dress, broken heel, breakages of household equipment or car, petty losses or even theft) can be evidences of entering into the preterminal phase and serve as indicator of more stern events.

Thus, there is no evil will of the fate in occurrence of a tragic situation; just periods of high tension of entropic fields caused by objective physical processes in the external environment take place.

The theory of entropic logic by Prof. Theodore van Hoven points to the true reason of any events hidden from us. A person armed with knowledge of basic provisions of this discipline and having necessary equipment that allows him to know a program of interlacing of high and low potentials of terminal fields (run of good and bad luck) of any person, social or other material structures with the regard for their mutual influence, is able to control and manage any events in his own interests.