



CONCERNING SOME ASPECTS OF INFORMATION PSYCHOLOGY AND DIALECTICS OF NATURE

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ABSTRACT

In this report the authors try to make a brief retrospection of concept “information” in the background of psychology and dialectic of nature. The main thesis is that if life is really kind of metabolism in which one or other man supports himself, the information and its perception by the man (psychology) will be among the vitally indispensable manifestations of that existence

Key words: information; psychology; nature; bioprocess;

INTRODUCTION

Information is a constant presence in our world. The more prolific the information is the more resistible of the negative influences it is. The contra reasoning, the direct syllogism of the saying will probably sound like this: the more important the interaction is for one of its sides, the more improved richer and colorful the shapes of its selective response are, of the indication. Following the direction of this improvement the indication and the information have been individualized as a single function of the object. In this sense of meaning what is said above could be continued like this: the more important for the indicator the signs of his nature are, the more specific among all other functions the informational function is.

EXHIBITION

Whether it, the information, would disappear due to the unconcern of the interacting sides that is a formal question. About human this function gives reasons for even more many-sides explanations because for the human being information has reached its highest degree of development and detachment. Like all other creatures human is opening himself in the two main dimensions of everything that is alive.

a) aim to preserve it's entirety

b) making a relation with the outwardly

The life performances of nature are open systems for their outside world and just in that are the ways to growth and overcoming the resisting forces. As creatures realize themselves as alive, they determinate themselves as counteraction of the environment too. Among this counteraction is the overcoming of that environment (in the form of information) i.e. it's conquering is a extravagant victory in the name of life.

Here it is time the authors to put their Scientific Thesis:

“If it, the life, is really some way of material exchange in which one or other creature maintains itself, then information and it's perception by the human (psychology) will be among the life important performances of that existence.”

The mystery of life is still too big to be solved just with statements but there is not little proof for the presumption that just the transformation of the feature to designate in postulate or in part of life activity is what defines that activity from every other interaction in the not alive world. That addition to the interaction expands the possibilities of life and makes it more lasting and more resistant.

She itself is part of the life and as such equivalent as occurrence with all other

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occurrences in reality. We could call it remnant interaction which development is perfection accompany the development of life diversity too. The more prolific that remnant is, the more complex and more ideal the proper life form in it's interaction with the surrounding world is.

The higher it is on the steps of development, the more organic the information as a feature of the life form itself is. Mutations among some animal species hint us that life form changes even itself when these remnant interaction do not correspond to the surrounding environment. Alongside the human its organization in the face of high nervous activity has reached such a level of organic that gave a reason to Charles Darwin and Ivan Pavlov to ask themselves whether the nervous system serves the body or the opposite [1]. That is why it would not be strained if we state the information as an essential indication of the incredible and still mysterious transformation from the not alive nature to its life conditions.

That transition probably has many reasons. Some say that it is truly an incident. Others define it as one of the many exhibitions of the inconvertible evolution. Who knows how many proposals will appear until it is clarified but having that state of knowledge we could confidently state that the selective response of environment is among the immutable life supporting circumstances. Self-directing system that is absolutely every single creature, that is why it is such, because opens it's behavior not only according to the outside impact but according to it's structure and need of it to be supported. The selective response is laid in the existence of the system itself that would not last and even maybe not actual if she reacts to all outside impact with no exception if said otherwise does not leave without response one or another impacts on her.

To choose from the impacts to give due attention to one but to ignore as a counter state – in this own is consisted the symbol that gives birth to he information. Information is past due or probably preserved response of relations that the system is inserted in. This preserve proves that the impact is essential for the structure and that is why it is preserved.

In other words, information is an appearance in which the important is laid (not only

essentially important) for the system for its existence and development. The subjective direction of information comes not only from that it is always information for some subject (if not so it would not exist), but maybe mostly because subjectively is defined the existence of the self-directing system itself. The specific about information and all its complex structures is that always it is aimed at some object. And that laid trend is true in all its states and possible transformations. It is such an essential characteristic of it that does not disappear even when its connection with the defined object due to confusion from different transitional states, transformation can no longer be found.

The subjective of information is general. It concerns all informational appearances – simple or complex, basic or production, in lower or higher self-directing systems. It is genetic layer on which other layers could be added, whose presence do not erase the previous one. Evolution in self-directing systems (among the natural ones these are the living organisms) is accompanied by evolution in their informational characteristics too, but as a difference to their structure characteristics the new step here does not take the old one even following the principle of denying the negation. Here the next step is really next, not only. As we know human's informational trend is from many layers. Here informational appearances are relieved typical only for human but alongside them are active these who are connected to the instincts too. Instincts cooperate in the same life forms with information typical for every other lower life form.

The first general layer of informational subjective trend is the most commonly laid in the very structure of animal species, in the building material itself out of which their being is made. It appears because that reason in the contrast of their different essential for the being outside influence. Following this, a presumption that the more essential the outside influence is the more general the informational trend of the system is, could be made. On the other hand, the more important the information is for the according system, the stronger and more emphasized is it's entry in it's its structure. It seems that this applies for all the steps of the development of life – as for the lowest so is for the highest.

Verified in the life itself proof of the informational subjective trend are the low animal species and their behavior. We know that we could hardly find in them not connected to the structure states of the created by them information. That is why by their behavior, by the contrast of the outside influence we read the subjective trend and importance of the created in them information, passing so perfectly here. Phototropism is a trend to the light, eventually necessary for most of the animal species. Via the tropism in the plants or lower animal species a general trait is revealed hidden in the higher forms but absolutely necessary for all, that we could call contrast in the best way for them.

Reflex, tropism and sensitivity – these three simplest reactions to the outside influence are at the same time signs of a certain structure – in this case the bearer of the information is so mixed with the information itself and the subject which in interaction with other subjects have risen the information. The subjective trend in this case is determinate on such a level that are predetermined the reactions to the influence concerning direct maintenance of the structure.

The more complex and developed ways of behavior (these are the instinct of feeding and breeding) are connected alongside everything else and with greater freedom of behavior. It indicates a fairly greater freedom in the usage of information that the living creature has. Even more important this freedom is at the instincts connected more with making nests, supplies of food etc. where the living creature reacts to the environment but not only to impact. Indeed, everything here is predetermined by structures and environment too but the possibility itself the animal to apply in its behavior the principal of trial and mistake is a leading clue to flexibility in the informational behavior too. The conditional reflex shows that the animal pays attention in some way to the mistakes it makes. It already uses information as a factor of environment.

Even more, in the conditional reflex there is typology of the influence, generalization of the reaction towards unusual influence. Although that flexibility that is different in the different steps of the biological development, the usage of information in the instinctive response of the outside influence is input in the process of interaction itself between the animal and the

environment. Information is a direct motive of the response and a part of it. Information is connected to a particular objectiveness out of which it becomes useless and is removed. This objectiveness is not only defined but limited too. It has such characteristics that are required to the animal specie to support the established structure and connections with the environment.

It could be said as a hypothesis the thought that the passage from the animal step to the human is associated to a particular amount and quality of the stock information that the living organism builds up in it. Probably that quality and quantity is based on the same reasons that raise the transition itself to the human logical behavior. It is about a accompanying but constant sign of that transition. The main thing in that sign is the freedom of the direct existence of the information, the assimilation of information just as information. The mistakes laid in the behavior psychology are associated to the ignorance of that particular circumstance. In the semiotics frequently behavior is defined as such free will even random and freed of direct usage information that is the sign information and sign influence is defined with raised by it behavior. It is possible that convenience to be an expression of the subjective direction of whichever information. In that way for most of the self – directed systems its existence and subjective characteristics are proved just and only by the type of reaction of influence. See the response of a system and you will know what is the influence on it, what is the subjective characteristics of its environment. That input in the basics of behaviorism hidden logic could be applied on the other show of informational objectiveness. Look at the specifics and the objective signs of information that the system keeps as stocks and you will understand what is more in it as the response to the general for the proper animal specie informational signs and ways of behavior. The objective direction, the objective attachment of the information does not decrease, contrariwise – it is underlined by that the information exists outside the behavior. The circumstance that it could never be used as impulse or guider of some behavior shows that the system has lied to itself in its importance. But just the free stock condition of information talks that is created because its great importance.

Biological processes are too complicated to be simplified to one two or four. Their

informational flesh and nothing else but the biological base of the human being defines that subjective direction of his conscious that made Karl Marx to defines it as sensitive and practical but not as contemplative effort. In the abstractions that conscious is tied essentially to the interaction of the being and its environment, in which interaction is realized life itself.

There is no pure information. There is information that is not tied in direct action and directly in the action but it can not be if it is not information for..... i.e. if it is not subjectively or concrete directed. The formal aspects of information, its free combinations and trans-formations are dividing not from its objectiveness that is input in its most simplified building units, but from its direct action. The transition from instincts, fated by inheritance behavior conditions of living organisms to response according the experience is a transition to the self using of the created information. But are the two transitions are parallel appearance in human evolution that is a question whose answer can not come up following the principal of logic. There are, for example, many scientific based reasons to be claimed that free using of information is a fact that ancestors the reasonable man. Many animal have in their behavior all informational secondary of the decision, choosing a variant in behavior and a conclusion of the mistakes, without reaching the level of human. For example, sensor-engine reasonable performance of some of the animals in science are not graded as defined or logically based behavior or adaptation to one or another outside circumstances. They are an expression of performances that Voltaire and encyclopedists generalized in the conception mechanical instinct [2], that inspired Bergson to put "homo faber" in pre-human step in evolution before appearance of homo sapiens [3].

Practically information and its usage are smoothing much more. Just in practice appears and develops that specific for the human informational process in which information for something not existing yet is being created. In the face of human conscious the objective direction of information, its thrall to self-control and self-preserve of its life carrier is opened as actively rich and many-side aggregation of contra connections, that help

human to create his reality and not only to overcome the outwardly [4-6].

The closest to us people personification of that kind of information are aims that fulfill labor effort and activity generally. The objective direction of labor ideas is in their nature as subjective aims but just in them we see that high degree of free existence of information where information itself is creative. Human step in evolution is related to appearance of particular step it the objective non determination of information too. But not in a meaning of so called phenomenological reduction to pure I (where that determination is imported as a basic methodological postulate, even with negative sign) but as an objective manifestation of human conscious itself, that has become organic part of creative force called human society. Here the usage of information itself is in practice as it, the practice, is in the definition itself.

CONCLUSION

1. In the philosophical conceptions reflecting and reflection is assumed as reality and determination of information imported as basic methodological postulate.
2. The presence of information as an aim expectation or a combination of all that, we find in that informational effort that usually is defined as an inform.
3. To survive and evolve every live organism needs information – according the environment that it should adjust for the various and complex interactions with other organisms.

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