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Review Article

## **The Living Water**

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### **Abstract**

The article describes water not as water from a fairy tale with life-giving properties, but as an independent living object. With its existence, with its life concerns and with the system that solves this life.

### **Introduction**

When modeling the economic environment, properties that had the character of a living object were gradually discovered. Because the model is non-econometric, i.e. applicable to living systems, it has been observing the economy more and more from the perspective of a living system. And with increasingly better results.

### **Methodology**

The claims of this article are based on reasoning per analogiam. The basic assumption is that the cybernetic structure of

a living system is the same in all living systems.

The best known are two systems that are beyond doubt living systems. These are, first, man himself, and second, society as a system built on man.

The problem with society is that it is a structure that is just emerging and, moreover, at higher levels of management – e.g. monetary policies, democratic mechanisms, where the direction is not

entirely clear. In contrast, the element of this structure, i.e. man, is well known.

In the case of man as a living organism, the situation is reversed. The highest levels of management, the activities of the nervous system and cells are known. The properties of its elements – water molecules – are almost unknown.

Using the method per analogiam in this case means that a well-known analogous description from the other is used for an unknown area of one system.

### **The Water Molecule**

Based on the analogy with other systems – typically from a well-observable human society – an element of the system is always a living object. It is an object that creates an organization from similar objects to itself, ensuring its needs for regeneration.

The water molecule, due to its involvement as an element of the system, must be as complex as any other element, e.g. a person in society. First of all, for its inclusion in the system, its state of satisfaction must be observable.

According to the degree of involvement, water receives valuation units (OU) - an analogy of money, which it then uses to purchase regeneration needs.

### **The Water Cycle in the System**

Water occurs in the system in two states. Involved in the activity of the production unit PU, i.e. the cell. And in the uninvolved state, when on the contrary it uses the products of the system and therefore partly its own, for regeneration. These two states could be called the Normal NS state and the Dark DS state.

### **A Normal State of the Water**

In NS, water enters into various interactions with its surroundings. Mostly, these are

working states in the form of various more or less strong bonds, variously transient, but essential from the point of view of the system. As a result, the reason for the existence of the entire system is fulfilled the connection of specialized elements and production units to ensure water needs.

This state is called normal because water is normally visible. It is in some kind of production relationship with the entire system and this relationship is identifiable.

### **A Dark State of the Water**

In DS, water regenerates. It is not involved in the system in any way, except perhaps by using its products. In animals, it enters the neuroglia, which is the only one containing cells, that are able to provide this regeneration to water. In this environment, the satisfaction of water - the elements of the system - is also evaluated. And this is the beginning of system management, but also its outcome.

Water regeneration and the entire division into NS and DS functions independently of the management system. Just as the economy functions independently of the government and monetary management. This management enters into the above activities only in the case when, for example, neuroglia or parliamentary elections identify significant dissatisfaction of the elements.

### **The Human Water Cycle**

The regulatory beginning and end mentioned above are in the cerebrospinal fluid. This is an important area of the CNS, where both regeneration and identification of water dissatisfaction occur. There is a permanent change of fluid and thus the possibility of various elements of the system both to regenerate and to transmit information about their dissatisfaction. This information again enters the Central Nervous System through the glia, where it is evaluated. Apparently, this is an analogue of government in society. If the information is significant, the CNS usually reacts with activity, which through

muscle contractions causes a restructuring of its own activity. For neuroglia, the impact of the restructuring on synapses and thus on electrical inputs to neuroglia is significant.

It works on a finer level; its restructuring takes place unnoticed and is based on electrical activities on its inputs. Thus, the purpose of the CNS activity is ultimately the restructuring of neuroglia and thus the resolution of the identified dissatisfaction with the CNS.

The regenerated water returns to the NS that best corresponds to the specialization of the given molecule. Each molecule is generally different, just as each person in society is generally different.

The NS is typically in the cell and the opposite process occurs here than it did in the cerebrospinal fluid at the beginning. The water is involved in production, loses some of its typical properties and, in addition, gains OU. The molecule exhausted in production returns to the DS for its regeneration.

### **The Organization of a Cell**

By analogy with other systems that are demonstrably alive, the counterpart for the cell should be sought not in the elements, but in the production units. That is, it is not a building block, a unit of organization, but on the contrary, a very sophisticatedly organized intermediate link – the organization of elements, in this case water.

In the economy, the counterpart is a manufacturing enterprise producing a material product or service – a production unit (PU). Water is then involved in this

entire organization in various, very numerous and irreplaceable ways. Proteins are crucial for the functioning of this PU, the economic counterpart of which are machines.

Cells are the place where water is involved in production, but in most cases, it is production that is too distant from its needs for the water molecule. They are supporting activities that enable the functioning of other PUs.

The production itself for the final consumption of water occurs only in neuroglia. These are PUs, which are the core, the meaning of the organization of elements and PUs in the human organism.

### **Conclusion**

It is necessary to assume that the durability of hydrogen bridges is around  $10e-13$  s. So, this world is not only on a different spatial level, but also on a different temporal level.

And a world is being sought where this bridge will be a relatively stable element, i.e. where ordinary times will be even smaller. A world that will seek its changes and its happiness in even lower times. And assuming that the world of man above this world of water functions quite satisfactorily, this world of living water is certainly a very stable and viable world from his point of view. It is simply a joy to live in it.

Since the author is not a chemist, he turns to the professional chemical public and believes in the inspiring influence of this modest contribution.