

WATER AS A PHENOMENON: IT'S MEMORY AND THE STRUCTURE OF CRYSTALS

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This topic is relevant because there is a lot of discussion about water memory. There were many experiments and were written dissertations, for example «Structured state of water as a basis for controlling the behavior and safety of living systems» by Zenin S. V. This phenomenon can play an important role in various industries, including the pharmaceutical.

The aim is to assess the views of scientists on «Memory of water» and the importance of new information for scientific and technological progress.

The first studies dedicated to the «memory» of water were produced by Deryagin and Churaev in 1971. Later from the 1990s, the Japanese researcher Dr. Masaru Emoto performed a series of experiments observing the physical effect of words, prayers, music and environment on the crystalline structure of water. Emoto hired photographers to take pictures of water after being exposed to the different variables and subsequently frozen so that they would form crystalline structures. The results were remarkable. After observing these miraculous results, Dr. Emoto went on to type out different words, both positive and negative in nature, and taped them to containers full of water. The results were as follows: «As you can tell, the water stamped with positive words is far more symmetrical and aesthetically pleasing than that stamped with dark, negative phrases». [2]

He also responded to questions how long does the water «remember» that crystalline structure: «This will be different depending on the original structure of the water itself. Tap water will lose its memory quickly. We refer to the crystalline structure of water as «clusters». The smaller the clusters, the longer the water will retain its memory. If there is too much space between the clusters, other information could easily infiltrate this space, making it hard for the clusters to hold the integrity of the information». [1, p.7]

Many other scientists also studied this theory, and most of them are inclined to approve correctness Masaru Emoto experiments. For example, scientist Stanislav Zenin gave a definition of water as a substance in the information-phase state, a substance with a structure suitable for data storage, biological information storage. At the same time, he singled out two types of «memory» of water-primary and long-term. The primary memory of water appears after a single exposure and represents a reversible change in its structure. Long-term memory of water – a complete transformation of the matrix of structural elements in clathrates due to a long information impact. That is, to form a specific water structure, it is enough to transmit a certain emotion to the water for a certain time.

Process of structuring does not impact the chemical composition, but changes the arrangement of molecules. During structuring water molecules unite creating clusters.

Thus, the memory of water is a proven fact that has to find its future use. Progressive is the study of the use of the properties of water in homeopathy as the possibility of using the new information in the field of medicine and pharmaceuticals.

We agree with a theory, that a promising direction can be using a placebo effect, because it explored by scientists and proven its beneficial therapeutic properties.

Further researches can be dedicated to studying the possibility of changing physical and chemical characteristics of water to be used for special purposes, such as increasing its viscosity to lower costs by cooling industrial reactors and the possibility of using the properties of water in treatment and production of medicines.

REFERENCES

1. Interviews Dr. Masaru Emoto with Reiko Myamoto Dewey [Electronic resource] : [Web site]. – Electronic data. – Access mode: <https://ru.scribd.com/document/38811591/Miraculous-Messages-From-Water-Emoto> (application date 03.04.2017) – Miraculous messages from water. How water structure reflects our consciousness. 07-04-2004 – p. 7.

2. «High Existence» journal [Electronic resource] : [Web site]. – Electronic data. – Access mode: <http://highexistence.com/water-experiment/> (application date 03.04.2017) – Emoto's Water Experiment: The Power of Thoughts
3. disserCat — электронная библиотека диссертаций – ООО "Научная электронная библиотека" [Electronic resource] : [Web site]. – Electronic data. – Access mode: <http://www.dissercat.com/content/strukturirovannoe-sostoyanie-vody-kak-osnova-upravleniya-povedeniem-i-bezopasnostyu-zhivyykh-#ixzz4dU99rnhU> (application date 03.04.2017) – Структурированное состояние воды как основа управления поведением и безопасностью живых систем
4. Sacred source of health, success and vitality [Electronic resource] : [Web site]. – Electronic data. – Access mode: <http://www.memorywater.com/en/home> (application date 03.04.2017) –Memory Water 2016/2017
5. Живая вода [Electronic resource] : [Web site]. – Electronic data. – Access mode: <http://www.wateroflive.ru/pam.php> (application date 03.04.2017) – 2006-2011 – Память воды
6. Портал медитации [Electronic resource] : [Web site]. – Electronic data. – Access mode: <http://meditation-portal.com/voda-imeet-pamyat/> (application date 03.04.2017) – Вода имеет память