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Water – the famous unknown factor of life

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Abstract: *This seemingly ordinary, transparent liquid turns out to be extremely vital and far more mysterious than we imagined. Is it a coincidence that about 70% of our planet is covered with water and that almost as much of the human body consists of water? According to the creator of scientific physical dowsing, engineer Louis Turenne, in addition to ordinary water with the chemical formula H_2O , there are 6 more types of heavy water with chemical formulas H_4O , H_4O_2 , H_4O_4 , H_4O_8 , H_4O_{16} , H_4O_{32} and the so-called Turenne Green Water, consisting of ordinary water + the 6 heavy waters together. Japanese researcher Dr. Masaru Emoto conducted a series of experiments observing the physical impact of words, prayers, music and environment on the crystalline structure of water. Emoto reported that words expressing emotions are transmitted to the water: positive emotions tend to generate beautiful crystal structures, and negative ones - ugly, disharmonious ones. Experiments conducted in a laboratory at the University of Washington have discovered a fourth phase. This phase is found near water-loving (hydrophilic) surfaces. It exists almost everywhere in nature, including the human body. The formation of EZ water creates an electrical potential that can be used to perform mechanical or chemical work.*

Keywords: structured water, memory, fourth phase

Introduction

Water – it is everywhere, in and around us, and we are so used to it that we do not even notice it. This seemingly ordinary, transparent liquid turns out to be extremely vital and far more mysterious than we imagined. Is it a coincidence that about 70% of our planet is covered with water and that almost as much of the human body consists of water? Water is so important that neither we nor our Earth could exist without it. It is unique and irreplaceable. According to Henry, liquid water is a complex medium, a source of deep mysteries, as well as a source of life. For the classical mind, deeply rooted in Newtonian physics of matter and Maxwell's equations for the electromagnetic field, liquid water will always be a mystery.

Properties of water

Invoking first-quantization quantum mechanics to explain the properties of water is futile due to the fact that the electromagnetic field is still considered a classical entity, subject to Maxwell's macroscopic equations [1]. One of the unique properties of water is that it can only exist in three (for now) aggregate states: liquid, solid and gaseous.

While all substances shrink when the temperature drops to 0°C, water shows maximum density at 4°C. Ice has a larger volume than that of unfrozen water. Thanks to this, water freezes only in its upper layer and thus preserves the life of plant and animal organisms at great depths. This property is also the basis for the displacement of water layers, as the water cooled to 4°C sinks, and a warmer water layer rises in its place. Another interesting property of water is that it exerts pressure in plant cells. There is information about pressures of up to 400 atmospheres in growing plants, with the help of which they penetrate through solid soil, and sometimes through asphalt and concrete. For water-soluble substances, water is the best solvent. It is water that washes, not detergents.

If asked which has a greater mass, absolutely dry air or water vapor of the same volume, many people would think twice. The truth is that the molecular weight of water is 18, and that of air is 28.966. The density of water vapor is 5/8 times the density of dry air (at the same temperature and pressure). This explains why water vapor rises when it evaporates. And what can we say about the existence of water vapor at negative air temperatures? Yes, there is also water vapor in the high layers of the troposphere at -20 to -30°C and it is called supercooled water. Whether we will tolerate a given heat or cold in the air more easily or dramatically depends largely on the humidity of the air.

Types of water

How many types of water do we encounter in everyday life? We all know about rainwater, distilled, mineral, melted ice, degassed water, etc. From folk beliefs we have heard about worn, silent, bathed, called, living, dead water, etc. Whether they are just beliefs we will find out further down in the text. According to the creator of scientific physical dowsing, engineer Louis Turenne, in addition to ordinary water with the chemical formula H_2O , there are 6 more types of heavy water with chemical formulas H_4O , H_4O_2 , H_4O_4 , H_4O_8 , H_4O_{16} , H_4O_{32} and the so-called Turenne Green Water, consisting of ordinary water + the 6 heavy waters together. The waters of mineral springs located in the foothills of glaciers contain green water. Such is, for example, the mineral spring in the city of Lourdes – France [2]. According to Röntgen, water can exist in a liquid phase, a disordered form, such as the one known to people, and a crystalline, ice-like, gel-like form [3]. Other scientists later suggested that layers of ordered water can surround biological substances, such as proteins and cell membranes [4]. Experiments in plant breeding with structured water have shown that it shortens the ripening time of fruits, increases the beneficial

microelements and plant proteins in them, and reduces the need for water by 20% [5].

Unusual properties of water

According to Yanchenko and Syromlia, the first studies on the “memory” of water were conducted by Deryagin and Churaev in 1971. Later, in the 1990s, the Japanese researcher Dr. Masaru Emoto conducted a series of experiments observing the physical effects of words, prayers, music and environment on the crystal structure of water [6]. Emoto hired photographers to photograph water after it had been exposed to various variables and then frozen to form crystal structures. The ice was examined under a microscope. The water in the glass bottle had been exposed to some kind of information carrier for a certain period of time - a written word, a picture or music.

Emoto says: For many years I have been photographing crystals formed by water as it freezes. But I do not always photograph the crystals as they are. Often, I first expose the water to written words, then freeze it and finally compare the different crystals that are obtained as a result of the experiment. Different water samples may look the same, but if one sample is exposed to positive words like “Thank you” and another to negative words like “Stupid,” they will form very different types of crystals. Those produced by “Thank you” are balanced and well-formed, while those produced by the word “Stupid” are distorted and misshapen. The energy of the words is reflected in the formation of the crystals, and depending on the words chosen, they are either beautiful or unpleasant to look at [7].

Emoto reported that words expressing emotions are transmitted to the water: positive emotions tend to generate beautiful crystal structures, while negative emotions tend to generate ugly, disharmonious ones. Music and even paintings are also said to have similar effects. Emoto conducted similar experiments with rice in water. Rice exposed to positive words began to ferment, while water exposed to words expressing negative emotions began to spoil [8].

Since 70% of our bodies are made up of water, we can conclude from the crystals that the water inside us also contains the energy of words. People who use language full of expressions such as “Thank you” and “I love you” contain pure and harmonious water; similarly, people who use negative expressions such as “You’re an idiot!” and “That’s not good” are likely to contain distorted and disharmonious water [7].

A very important property of the change in the structure of water is the saturation effect associated with the time of impact on the water. This means that the ability of water to record information is limited. This is essential for the adaptation of all living organisms to the environment, since water is their main component [9].

It is impossible to study the properties of water without studying its coherent state, which in turn affects the biology of living beings [10]. The impact of dense earth matter on water determines its physicochemical properties, accessible for study by known physical methods (electrical conductivity, solubility of impurities, ORP,

pH, etc.). However, they do not reveal the state of the fine energy-electrical connections of water nanostructures, due to weak field interactions [11, 12]. But it is the latter that the activity of water in living systems is associated with [13]. Antonov and others concluded that the energy spectrum of water is sensitive to various influences on it, such as those of substances dissolved in water, electromagnetic fields, sound, vibrations, and human biophysical fields [9, 14].

Research in the field of bio resonance led Prof. Kröplin to study water as a fundamental element in the body and therefore responsible for transporting much of the information through the different parts of the body at the nano, micro and macro levels. Understanding how water collects and transports information was seen as an essential step in discovering the complex behavior of our organs and their response to external agents. Water “records” the external influences that have affected it. This is especially important for us humans, since water makes up about 70% of our bodies. The external factors we are exposed to, be it music, electromagnetic radiation, ultrasound, X-rays or chemicals, all have an effect on the structure of the water in our cells, which can be seen under a microscope [15]. The poorly structured parts of the water with high entropy, using the energy of the environment, are transformed into highly structured water with high energy and low entropy [16].

Role of water in homeopathy

The idea of the resonant-wave mechanism of homeopathy was first expressed in 2001 by the Doctor of Chemical Sciences, Professor Slesarev [17]. According to Slesarev, the ability of water to retain the results of external influences is dynamic in nature, not static [18]. Homeopathic treatment [19] is a resonant wave process that provokes the restoration of the optimal level of organization of the water system at the level of a tissue, organ or organism as a whole. This initiation occurs during the resonant interaction of ultra-weak water emissions from the water model of the active substance removed from the solution with the water system of the tissue, organ or organism, respectively [17, 18]. A homeopathic remedy is a water copy of its active substance, which causes the restoration of the normal level of organization of the water systems of the organs and the body, helping to increase their adaptive capacity and healing [17].

The aqua paradigm of homeopathy, as well as of all medicine, considers both disease and treatment from the point of view of the disruption and restoration of the optimal level of organization of the body, and especially of its water systems, since they are the most dynamic. Changes in the water systems of the body initiate corresponding changes in the cells, tissues and organs. Treatment restores them to a normal state, while disease pushes them to a pathological state [20].

The transfer of information is also used in the preparation of Dr. Bach's Essences. A leaf or flower of a plant placed in a glass container filled with pure water and exposed to sunlight for a few hours can change the

properties of the water.

Role of water in biodynamic agriculture

Biodynamic agriculture is a form of alternative agriculture, more or less similar to organic agriculture, but includes various esoteric concepts based on the ideas of Rudolf Steiner [21-23]. One of the main characteristics of biodynamic agriculture is the use of substances called “preparations”, derived from medicinal plants, minerals or manure, which are made in a special way and have a specific effect on the compost, soil or plant to which they are applied [24].

Although biodynamic (BD) preparations themselves do not add significant nutrients to stimulate nutrient and energy cycling processes, they accelerate decomposition and improve soil and crop quality even by applying a few grams per ton of organic material [25]. Per hectare, several hundred grams of the respective preparation are needed, dissolved in 15 liters of warm water (15–20°C) for spraying. After adding the preparation to the water, it is stirred for one hour alternately clockwise and counterclockwise, forming a vortex. It is sprayed to vitalize the soil, to improve seed germination, formation and development of primary roots, improve photosynthetic activity in plants, quality of fruits and seeds, and strengthen their immune system. A few grams of a certain preparation, dynamized in the indicated way, are able to change the structure of the water and thus have a beneficial effect on the soil and plants.

Phases of water

Students learn that water has three phases: solid, liquid, and vapor. But there are more: Experiments conducted in a laboratory at the University of Washington have discovered a fourth phase. This phase occurs on water-loving (hydrophilic) surfaces. It is surprisingly extensive, extending from surfaces with up to millions of molecular layers. It exists almost everywhere in nature, including the human body [26].

Recent research has provided new insights, stemming primarily from the recently discovered nature of interfacial water, i.e. water in the vicinity of hydrophilic surfaces. Such water appears to have characteristics that are remarkably different from those of liquid water, and these characteristics appear to underlie the attraction and repulsion of substances [27].

The energy to build the water structure comes from the sun. Radiant energy converts ordinary water into ordered water, building this ordered zone. It has been found that all wavelengths from ultraviolet to visible to infrared can build this ordered water. Near-infrared energy is most capable. Water freely absorbs infrared energy from its surroundings and uses this energy to transform itself into liquid crystalline water (quaternary water) — also called “exclusion zone” or “EZ” water because it completely excludes solutes, i.e. substances that create a

/homogeneous environment/ solution when dissolved in a solvent. Therefore, the accumulation of EZ water occurs naturally and spontaneously from the energy of the environment. Additional energy input creates additional EZ accumulation. Of particular importance is the charge of the fourth phase: usually negative [26]. According to the same author, in addition to pure science, the discovery of the fourth phase has practical applications. These include flow generation, electrical energy harvesting, and even filtration. The formation of EZ water creates an electrical potential that can be used to perform mechanical or chemical work [26].

Some authors have suggested a connection between water and circadian rhythms. This assumption is based on the observation that EZ water is sensitive to changes in electromagnetic fields and light. Accordingly, infrared light can enhance the formation of EZ water on hydrophilic surfaces [26; 28]. Rad and others have shown that a weak electric field of 7.8 Hz, corresponding to the primary Schumann resonance mode, can enhance the formation of EZ water on hydrophilic surfaces [29]. EZ water is also formed at the two poles of a permanent magnet [30]. Therefore, the formation of EZ water in living organisms may be sensitive to changes in electromagnetic fields and solar activity. EZ water is involved in various physiological and cellular processes, including movement, cell division, secretion, and transport [31].

Conclusion

Until recently, our understanding of the properties of water was limited by the common misconception that water has three phases. Now we know that it has four. Taking this fourth phase into account allows many of the “anomalies” of water to disappear: these anomalies become predictable characteristics. Water becomes more understandable, as do objects composed primarily of water, such as oceans, clouds, and human beings [26].

The outcome of your life depends on how you use words and how you relate to their meaning every day. Today, even more than ever before, we are surrounded by negative words on the radio, television, and in conversation with others. While some negative expressions used humorously may not be so hurtful, much of the language we use, and even many of the new terms entering our language through modern culture, produce negative vibrations. However, we have the power to change our overall vocabulary toward positivity [7].

But, as we can learn from Masaru Emoto’s stunning photographs, the very thoughts of failure are also represented in the physical objects around us. Now that we are aware of this, perhaps we can begin to realize that even when the immediate results are not visible to the human eye, they are there. When we love our own bodies, they respond. When we send our love (feel connected) to the Earth, it responds. Our own bodies are 70 percent water. And the Earth’s surface is also 70 percent water. We have seen evidence before that water, far from being inanimate, is actually alive and responds to our thoughts and emotions. Perhaps, having seen this, we can begin to truly understand the immense power we have in choosing our thoughts and intentions to heal ourselves, as well as

our environment. But this will only be possible if we believe [32]. Water has an invisible but omnipresent presence in our lives. If we get to know water, we will have a full and healthy life. And perhaps we will discover the origin of life.

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