

From Lynn McTaggart, *The Field*:

The effect of bio-photons on molecules

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As Popp was pondering the larger implications of biophoton emissions, a French scientist had begun looking at the reverse: the effect of this light on individual molecules. Popp believed that bio-photons orchestrated bodily processes, and the French scientist Jacques Benveniste was learning how this process worked. The vibrations of the biophotons Popp had observed in the body caused molecules to vibrate and create their own signature frequency.

While Benveniste was director at INSERM, one of its labs had been studying the reaction of certain white blood cells to allergens. (basophil degranulation) One of his best lab techs (Elisabeth Davenas) reported that she had seen and recorded a reaction in the white blood cells, even though there had been too few molecules of the allergen in the solution. She repeated the same test with the same concentration of allergen and got the same results: a powerful biological effect from a solution so diluted that it could not have had enough allergen present to cause the effect. A doctor who was also a homeopath noted the similarity of the results to homeopathy. Elisabeth was then asked to dilute the antigen so that none of the allergen remained. The results of testing were the same: just as if the active ingredient was still present.

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trend; maximum effect at certain concentration; as decrease concentration effects lessen, till at a certain point, as decrease concentration, effects begin to increase again. these effects were replicated by 5 different labs in 4 countries: France, Israel, Italy, and Canada. The results were published in a 1988 edition of Nature magazine: if solutions of antibodies were diluted repeatedly until they no longer contained a single molecule of the antibody, they still produced a response from immune cells. They concluded that:

"specific information must have been transmitted during the dilution/shaking process. Water could act as a template for the molecule, for example, by an infinite hydrogen-bonded network, or electric and magnetic fields the precise nature of this phenomenon remains unexplained. Benveniste's studies were widely regarded as making a valid case for homeopathy.

If water were able to imprint and store information from molecules, this would have an impact on our understanding of molecules and how they "talk" to one another in the body.

The editor of Nature Magazine, John Maddox, consented to publish the article, but placed an editorial addendum to the bottom of the article challenging the results of the study.

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Maddox and some assistants "redid" the experiments, which then failed to produce the homeopathic results, then claimed in a Nature article that Benveniste's original results were "dilusion." Benveniste left INSERM and began working with Didier Guillonnet, to continue researching this phenomena. The final result would be "digital biology."

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the conventional theory of how molecules communicate in the body requires some direct contact. this theory is too dependent on chance, and also requires a long time duration, and cant account for rapid emotional changes.

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According to Benveniste's theory, which has been supported by experiment, molecules rely on electromagnetic signaling at low frequencies (between 20hz and 20 khz)Each molecule has its own signature frequency, and can resonate with other molecules.

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Others , such as Robert O. Becker and Cyril Smith, had conducted extensive experiments on EM frequencies in living things. Benveniste's contribution was to show that molecules and atoms had their own unique frequencies by using modern technology both to record this frequency and to use this recording itself for cellular communication.

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From 1991, Benveniste demonstrated that one could transfer specific molecular signals simply using an amplifier and EM coils. 4 years later, he was able to record and play these signals using a multimedia computer. over thousands of trials, B and G recorded the activity of the molecule on the pc, and replayed it to a biological system sensitive to that substance. In every instance, the biological system had been fooled into thinking it was interacting with the substance itself. Other studies showed that B's team could erase these signals and stop activity in the cells through an alternating magnetic field. .. The inescapable conclusion: As Fritz Albert Popp theorized, molecules speak to each other in oscillating frequencies. It appears that the zero point field creates a medium enabling the molecules to speak to each other non-locally and virtually instantaneously... Benveniste showed that these signals could be emailed or mailed on a floppy disk.

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The signals from the molecules were recorded on a specially designed transducer and a computer equipped with a sound card. the signals were then recorded on a floppy disk and sent by postal mail. The Clamart Digi Bio lab team exposed ordinary water to the digital signal. This exposed water was then used to bathe guinea pig hearts, which were also bathed by ordinary water. The effects from the exposed water were identical to the effects produced on the heart by the actual substances.

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Water is among the most mysterious of substances, because it is a compound formed from two gases, yet is a liquid These d at normal temperatures and pressures. Giuliano

Preparata and Emilio Del Giudice have demonstrated mathematically that when closely packed together, atoms and molecules exhibit a collective behavior, forming what they call "coherent domains" They demonstrated that water molecules create "coherent domains". These single wavelengths of water molecules appear to become "informed" in the presence of other molecules; that is, they tend to polarize around any charged molecule, storing and carrying its frequency so that it may be read at a distance. This would mean water is like a tape recorder, imprinting and carrying information whether the original molecule is still there or not. the shaking of the containers appears to speed up this process

<http://www.freepatentsonline.com/6458071.html> : Method for electromagnetically restructuring water for organismic consumption United States Patent 6458071: A method for beneficially restructuring water and its contents for consumptions by organisms. The method involves subjecting water for a period of time to an electromagnetic field of a specific flux density varying from  $10^{-5}$  to  $10^{-21}$  gauss and a specific frequency varying from 0 hertz to 300 hertz, depending on the intended subsequent use of the water. The specific flux density and the specific frequency is empirically determined to restructure the water such that the water beneficially affects the organism to which the water is subsequently applied.

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In Japan, a physicist Kunio Yasue of the Research Institute for Information and Science, Notre Dame Seishin University in Okayama, also found that water molecules have some role to play in organizing discordant energy into coherent photons; a process called superradiance. This suggests that water acts as the essential conductor of a molecules signature frequency . If Benveniste is right, water both sends and amplifies the signals.

Despite the Establishment's hit job on Benveniste's results, reputable research supporting his work slowly began to surface in other areas. In 1992, the Federation of American Societies for Experimental Biology (FASEB) held a symposium, organized by the international Society for Bioelectricity, examining the interactions of electromagnetic fields with biological systems.

Numerous other scientists have replicated high dilution experiments, and several have endorsed and successfully repeated experiments using digitized information for molecular communication.

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The most unassailable tests of homeopathy were performed in Glasgow by Dr. David Reilly. Despite the scientific design of his tests, although The Lancet agreed to publish the results, the journal simply refused to accept them.