



# Structured Aqua Technologies

## My Water Research by Clayton Nolte

“There is more energy in one drop of water than all the power plants of the World have produced. When you burn water the residue is water.”

-Viktor Schauberger

What is good healthy water? It must be fit to drink, and be free of pathogens and pollutants. Municipal water in most cities is treated to make it safe to drink. The treatment, normally chlorine, kills most disease causing bacteria. That's a good thing; however, many people consider the levels of chlorine in the water to be a pollutant. There is big business in chlorine removing filters. It seems we have taken the lesser of two evils in disinfecting our water. The treatment eliminates the threat of bacterial contamination but does this make healthier water?

There are regions of the earth where water is thought to be responsible for the longevity of people in those regions. The Hunza Valley in northern Pakistan is famous for longevity as well as the waters of Lourdes in France and other venerated sources. The waters of Tlacotal Mexico have been praised for their health giving properties. What is it about those waters that make a difference? They all have the same thing in common. They all have essential bio-available minerals in solution. They are not absolutely pure. They are, however, all free of disease causing bacteria, so they are safe to drink. These similarities do not account for their fame. We can make similar water in the laboratory and it does not have any more benefits than normal water. The reason these waters are so prized is that all of them have a different structure than most waters. Researchers had to wait until the Nuclear Magnetic Resonance (NMR) became available to show that these waters have distinct structural differences from other waters. Today we use an Infrared Spectrophotometer (IR) mass spectrum-analysis to analyze water statistics and a Gas Discharge Visualization (GDV) to measure shifts in life force energy.

My interest in good water led me on a quest to better understand the physics of water. Very little was really known about water. Its science and physics, in particular, had been taken for granted. Only recently has science taken a new look at water. In my quest for understanding the way of water, I studied the works of water researchers around the World (Viktor Schauberger, Henry Coand, Marcel Vogel, and many others too numerous to mention). They all had a passion for good healthy water. In one way or another each of them pointed at the structure of water as being the difference. Additional studies include rotational physics, hydrogen bonding in DNA, vortex phenomenon, permeability, osmotic potentials, resonance, sacred geometry, and flow forms.

Water inside our body's cells is structured water. The water preferred by human cells is structured into small clusters containing 5 to 20 molecules.

What is structured water? Water molecules are attracted or loosely attached to each other through hydrogen bonding. In normal water this attraction makes water cluster together in large



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assemblies of water. These clusters have size and shape; both size and shape can affect biological organisms.

The water molecule made up of two hydrogen and one oxygen atoms is what most of us think of as water. The true picture is a little more complex. These molecules appear to be very gregarious. They like to get together and are seldom found alone. They will cluster in groups of 5 molecules to over 600 molecules. These groups are not static. Water molecules will switch from one group to another very easily and do so often. Hydrogen bonds are being made and broken several times a nanosecond. This creates the unimaginably dynamic energy environment of water. It is the size and shape of these clusters of molecules in their never ceasing interaction that is the “structure” of water.

In the 1980's French researcher Dr. Benveniste was able to give reproducible scientific proof of biological processes demonstrating the power of some substances to alter the structure of water. Some substances can alter the shape of the water molecule clusters. Dr. Benveniste's research indicates that the shape or resonance (frequency) of the water molecule alone carries biological information. It shows properly processed (structured) water alone makes measurable changes in a cell's function. This ability of the shape of water clusters to impart information became known as the “memory” of water.

Dr. Benveniste's discoveries have profound effects on medicine, biology, and our environment. Important as his discoveries may be, they were greeted with a great deal of controversy, even when they were independently reproduced, because they have profound effects on our understanding of our environment.

Dr. Benveniste's research suggests that even minute quantities of substances have biological activity. This means that small amounts of contaminants much lower than now considered safe in our water could have detrimental biological effects. This brings us to look at the allowable contamination levels in all our water sources. We may have been damaging our environment and ourselves much more than we could have possibly imagined. If water can retain the memory of the pollutants and that memory can survive reverse osmosis, distillation, carbon filtration and chlorine treatment, what information are we giving our body's cells?

It is clear that current water treatment systems only take the junk out of water; they were never designed to remove the “memory” of junk that water retains. That “memory” may be doing us harm in the long run. Current water treatment systems go to extremes like distillation to create absolutely pure water; they take all beneficial minerals out of the water. Drinking nothing but distilled water may be leaching some essential minerals from our bodies; distilled is considered dead water (no life force). Most modern distilleries were designed long before the structure of water was considered important and they produced pure but energetically dead water.

Reverse Osmosis (RO) is very popular today but RO too removes all beneficial minerals from the water, plus it wastes three out of four gallons of water. The waste water from RO units in some places is so concentrated with salts and other minerals that they become a threat to the good bacteria in septic systems. Kill the bacteria and septic systems don't do their job. RO water also retains the “memory” of the pollutants that were removed.



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Water softeners also have issues. Ion-exchange resin water softeners, that is most water softeners, also remove all beneficial minerals in the water and add a great deal of sodium or potassium. What kinds of memory do those resins or salts add to the water? Ion-exchange water softeners put out waste water that is incompatible with septic tanks. Most states have banned the use of water softeners for homes with septic systems.

Remember, the special waters (Structured Water) associated with longevity and health are rich in bio-available minerals. Over 50 studies in 9 different countries have shown an inverse relationship between the amount of magnesium in the drinking water and heart attack rates. In those areas where magnesium is high in the drinking water there are fewer heart attacks; where magnesium is deficient there are more heart attacks. Distillation, RO, and water softeners, the most popular forms of home water treatment, get rid of all essential minerals.

Another attribute special waters (Structured Water) have in their structure is called “life force energy” the ability to attract and encapsulate within the water molecule elements bad for human life. For example, when this water is consumed it attracts more of these elements, such as heavy metals, detoxifying, as it passes through the body to the elimination system. Elements good for human life ride on the exterior of the water molecule and are released into the body’s function. The lowered surface tension of structured water allows for instant cellular hydration. Nature knows what is best for life and what is not.

The Structured Water Ultimate well units can extend more efficiently the release & removal of excess minerals and suspended gases including sulfur smell. The efficiency of the unit and the well being of the ground water are exponentially enhanced when the heavy water, discharged water is returned to the source or well. This process is called “entrainment” and it causes all elements to return to their family, to their source. This results in all wells using this same source ground water to be enhanced and eventually clear and clean as if there were a unit on every well. Another possibility would be to run the discharge or brine water into a holding pond or tank and use a seed or transponder frequency of each element that one would wish to harvest and set up a process of mining water.

The system works without filters (although they can be used if the need arises), without chemicals or salts, without electricity, without magnets, and without any moving mechanical parts. It requires very little maintenance. The working part of the system is water itself. Nature does not clean the water as much as it allows the water to clean itself. So let water do the work. I created a machine whose working parts are made of water. It is a machine of water that works at the molecular level to allow water to refresh and clean itself. It resembles more a musical instrument than a machine. This system creates a tuned environment where water is caused to flow in specific geometrical patterns. The flows and counter flows create an environment of dynamic shear and pressure differentials that turn water into a machine.

If we were a water molecule on the path through this device it would be an exhilarating roller coaster ride. We would come out refreshed and ready to perform our life-given roles.