

Energised Water

With properties that overturn conventional theories of physics, high-bioenergy water can be generated for healing benefits.

by Walter Last with George Wiseman © November 2017

Hexagonal and Pentagonal Structures

Water may have high or low *bioenergy*—the life-force energy in biological systems. Water has a special ability to attract and hold bioenergy. Water with a high content of bioenergy is called *energised water* and has special healing qualities. In the natural world, energised water is commonly formed in bodies of water, especially in sunlit and moving water such as streams, waterfalls and oceans. Sunlight and vortex formation by rapidly moving water and breaking waves provide the power to form high-energy structures in water, and minerals hold these structures in place.

The most common structures are hexagonal and pentagonal water. Hexagonal water (see figure 1) has the highest energy storage capacity, while pentagonal water is more dense but less energetic. The percentage composition of these

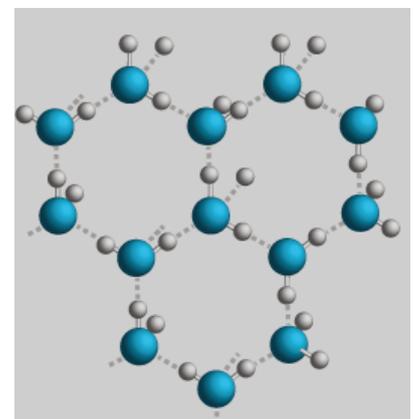


Figure 1

water structures changes with temperature. As the temperature goes down, the water structure becomes more hexagonal and is more or less fully hexagonal in ice or snow. This increase in hexagonal structures causes ice to float and water to expand before it freezes. On the other hand the higher the temperature rises, the more pentagonal the water structure becomes. However, this does not seem to apply completely to strongly energised water and water inside the body.

When water is energised, it forms relatively stable structures with hydrogen bonds. The most healthy, stable structures are hexagonal: six water molecules form a ring structure, and their negatively charged oxygen atoms point towards the centre of the hexagon. Commonly there is a mineral ion at this centre that holds the six negative oxygen atoms together with its positive charge. Figure 1 shows a two-dimensional image, but the hexagonal structure is actually three-dimensional.

These connections are not normal chemical bonds but are much weaker; they're called *van der Waals forces*. They can be easily broken and re-formed, so the water molecules in the hexagons can break up when strongly agitated and then quickly re-form the hexagons. These structures are also called *liquid crystals*. Energy is needed to build these liquid crystals, but it can be quickly released. Thus, hexagonally structured water is used by biological systems as an energy reservoir.

The water in healthy cells and bodily fluids is mostly hexagonal. In cells, it has been described as being more like a gel than a liquid as in common water. Structured domains in energised water may contain thousands and possibly millions of relatively stable water hexagons.



Boost your body's hexagonal water stores by drinking the juice of fresh, organic vegetables and fruits.



Sunlight as well as vortex formation by breaking waves provide the power to create high-energy structures in water. (Photo: Natalya Zaritskaya, unsplash.com)

The Water Puzzle

The highly respected South Korean scientist Dr Mu Shik Jhon was the originator of hexagonal water theory. He was a Professor of Chemistry in several countries. His lifetime research has been compressed into the book *The Water Puzzle and the Hexagonal Key*, with the subtitle saying it all: *Scientific Evidence for the Existence of Hexagonal Water and its Positive Influence on Health!*¹

According to Dr Jhon's research, water in a healthy body is strongly hexagonal but with a certain percentage of pentagonal water.

The water in plants, animals and humans has mostly hexagonal structures. So, by drinking fresh plant juice we ingest mainly high-energy hexagonal water. According to Dr Jhon's research, water in a healthy body is strongly hexagonal but with a certain percentage of pentagonal water. A higher-than-average amount of pentagonal water in the body is associated with disease states such as cancer and diabetes. Tumours have more pentagonal water than does healthy tissue.

Dr Jhon also discovered the function of minerals in structuring water. Depending on their size and electrical charges, mineral ions can pull the hexagons together or push them apart. For example, sodium pulls them moderately together, but calcium pulls them 10 times more strongly. Thus, these minerals help to generate more hexagonal structures and make them more stable. Magnesium and potassium, on the other hand, push the hexagons apart. The structure-breaking potential of magnesium is about twice as high as that of potassium.

We can see how this operates in the body with the example of muscle contraction. When the body wants to

contract a muscle, nerves create an electrical discharge, called an *action potential*, which then causes calcium ions to move into a muscle cell. This pulls its water closely together by forming a tight hexagonal structure. The outer water molecules are connected to the cell wall, and this causes the whole cell to contract. To relax again, magnesium moves in; this loosens up the water structure, the water expands, and this causes the cell to expand and the muscle to relax.

In disease states there is more pentagonal water in the cells, keeping them more contracted but with less energy. A surplus of mineral anions, as with acidic water, tends to dissolve the hexagonal structures, and the metabolism becomes increasingly inefficient. This causes overacid individuals to be low in energy and develop all kinds of health problems. In order to remain functional, the blood protects its hexagonal water structure by maintaining a 7.4 pH level.

Exclusion Zone Water

Dr Gerald Pollack², who is Professor of Bioengineering at the University of Washington, has done extensive research into the properties of water near hydrophilic or water-friendly surfaces such as proteins and blood vessel walls. He determined that this surface effect reaches up to half a millimetre into the surrounding water, called *bulk water*. This is a much farther distance than is expected by physics theories. The attached water excludes molecules and colloids—therefore the name *exclusion zone water* or *EZ water*—but it does not exclude ionic minerals.

To explain this effect and others, Dr Pollack assumed a hexagonal structure of EZ water composed of H_3O_2 molecules, with hexagonal water sheets stacked together like honeycombs. While this surface effect is relatively short-reaching and has no direct effect on the water that we consume, it is very important for the water structure in our body, especially inside cells and as related to blood circulation.

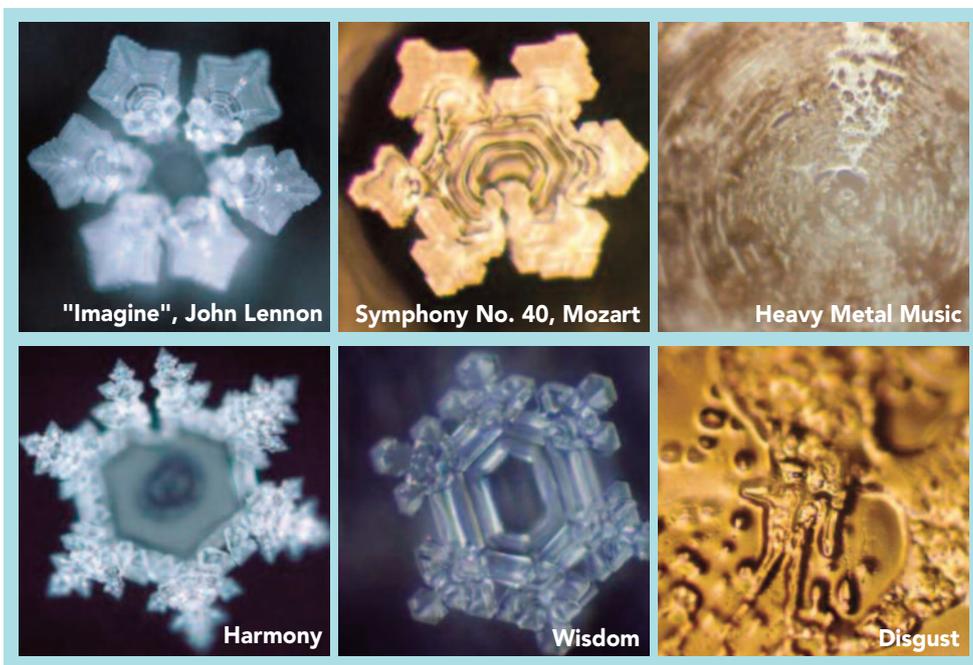
I assume that EZ water has basically the same structure as the hexagonal water researched by Dr Jhon.

EZ water has been claimed to be a *fourth* phase of water in addition to solid/ice, liquid/disordered water and steam/vapour. If so, then I assume that this should apply to other types of hexagonal water, as investigated by Dr Jhon or as produced in water ionisers.

The Memory of Water

In 1994, Japanese researcher Masaru Emoto³ had the idea to observe frozen water through a microscope. With samples taken from pristine rivers and lakes, he observed beautiful patterns with shining hexagonal crystals. Water taken from the tap or from rivers and lakes near big cities yielded only confused and disordered images. He also exposed water to pleasant and ugly words, pictures or music. For these experiments, he used double-distilled water. With harmonious words, prayer, images or music, he always observed exquisite crystals; but with negative words, music or images, he reported disfigured crystals. The crystals were never identical.

From people who tried to replicate these experiments, it emerged that the only ones who had positive results were the ones who believed in them; sceptics reportedly did not see any change. This is relevant to the scientific controversy over the memory of water.



A selection of ice crystals showing positive and negative effects.
(Images: <http://www.masaru-emoto.net>, <http://tinyurl.com/ydbwqsm3>)

Dr Jacques Benveniste⁴ was a leading immunologist in France who discovered that water could remember a biochemical used in a previous experiment, even after very high homeopathic-type dilutions. His paper was published in 1988 in the science journal *Nature*, but this was seen as an endorsement for homeopathy and was not acceptable for conventional science. Thus, *Nature* dispatched a team of sceptics to Benveniste's laboratory. This team included the magician James Randi, who had a reputation for being able to derail paranormal claims. The initial experiments carried out by the laboratory staff under the close supervision of the sceptics confirmed Dr Benveniste's original results, but then the sceptics got



Professor Luc Montagnier, featured in the 2014 wocomo documentary *Water Memory*. (Image: YouTube, <http://tinyurl.com/j27vztt>)

Health, Ageing, Rejuvenation

It appears that the general health decline with advancing age is *strongly* related to dehydration of the whole body. The cells cannot hold enough water for optimal functions. When we are still relatively young, it can help to drink the mythical six glasses of water during the day to wash out toxins and remain hydrated, but this is not a long-term solution.

When we drink "normal" water, the body needs to use its own store of bioenergy to energise and structure this water. However, with urination and sweating, the body loses its energised water. This is a constant drain on our reserves of bioenergy, and as we get older this may even make us age more quickly the more

into action and all the results became negative. This was sufficient to stop Benveniste's research funding and close his laboratory.

Work carried out in other laboratories showed a similar division of results. Those researchers who were neutral or positively disposed obtained positive results, but the majority were sceptical and received negative results.

However, in 1999, a pan-European study eliminated the possibility of bias and confirmed the memory of water.⁵

A documentary proving the validity of water memory, featuring French virologist Professor Luc Montagnier, co-discoverer of the human immunodeficiency virus (HIV) and 2008 Nobel Prize co-recipient, is on YouTube.⁶

The take-home message is that to benefit from Emoto's work it is a good idea, but not sufficient, to write some uplifting words on your water energiser; the key is that you must also *believe* in it if you want to benefit. You may write something that is relevant to your own health problems, or a word or statement such as "Divine Love" or "Health". Recharge your statement from time to time by radiating positive feelings towards it.

that we drink this "normal" or "dead" water.

We dehydrate with advancing age, not because we do not drink enough water but because we cannot keep the water in our body. We are lacking the bioenergy to energise and use water efficiently to metabolise and detoxify. Infants are about 80 per cent water by weight, but when we are aged 80 our water level may have dropped to below 50 per cent. This, then, causes all

Fresh, raw, organic fruit and vegetables have highly energised water, but these have become rare with industrial farming, low bioenergy levels, and long transport and storage times.

kinds of health problems. The outward signs of ageing indicate what is happening to our cells. The amount of water inside cells is reduced and the cells shrivel up like the skin, while water outside the cells increases in terms of percentage.

The solution is to drink energised water routinely. It is the experience of those who work in this field that energised water is strongly rehydrating and, with this, can reduce the inner and outer signs of ageing. Fresh, raw, organic fruit and vegetables have highly energised water, but these have become rare with industrial farming, low bioenergy levels, and long transport and storage times.

I believe that positive thinking as well as the long-term intake of fresh, raw food and energised water can greatly delay ageing and can even reverse where we have aged too quickly. Also, yogic breathing techniques are helpful, and other possibilities may develop from free-energy research in the future.



Generating Energised Water

Water ionisers are the best known and most commonly used devices for energising water. The alkaline fraction they produce tends to be well energised. In addition, this fraction contains dissolved hydrogen molecules and strongly antioxidant negative hydrogen. The alkalinity of the water is generally negligible. While the pH can be very high, it doesn't have much power and can usually be acidified with a few drops of lemon juice.

Magnets can also be used to energise water, preferably in combination with a vortex. For details on an aetheric vortex machine, see "Healing with Rotating Magnets".⁷ For a more simple arrangement, just attach two strong magnets at opposite sides of a funnel and let the water flow through once or several times, or hold the magnets on the outside of a blender/mixer.

Sunlight is a powerful energiser. Fill a glass or ceramic bowl or a quartz glass container with water and position it in a sunlit area. If you are generally low in energy, cover the container with red cellophane. If you have much pain, inflammation or infection, use blue cellophane. If you have an in-between condition, use orange, yellow or green. Keep the covered container in the sunlight from 10 minutes to several hours, then drink the water after it has been energised.

You may also try experimenting with pyramids, crystals, BioMats and other energy devices. Unfortunately, it is difficult to measure objectively whether one arrangement is better than another.

It is advisable to test the water purity before and after any treatment or to compare different types of water. In biodynamics, water or a water extract of plants or soil is tested by adding a few drops to a copper chloride solution. The quality of the sample is then judged by the regularity of the crystallisation pattern of the evaporated solution.

Another option is to try an Experimental Life-Energy Field Meter⁸ to determine which treatment or group of treatments works best. Those who trust their psychic skills may also use a pendulum.

The best way to gain bioenergy from food is by juicing or blending and straining fresh green leaves, especially juicy grasses. Even cooking frees the bioenergy from chemical bonds in fresh vegetables and may remain for a day as free energy in the cooking water. However, only a minimum of steam must be allowed to escape, as steam carries the free energy along. This bioenergy diminishes during longer storage or when re-heating to higher than 50 °C.

However, the strongest energising effect appears to come from Brown's Gas (BG). This is a combination of molecular hydrogen and oxygen with the addition of highly energetic, electrically expanded water, or ExW for short. For details, see the article "Extraordinary Healing Powers of Brown's Gas" in the previous issue of NEXUS Magazine.⁹

The ultimate aim is to produce energised hexagonal water in our body, and for this I know of no better way than to inhale Brown's Gas. BG was used to energise drinking water long before it was started to be used for inhalation. This is usually done by bubbling BG through water. Drinking ionised alkaline water has similar benefits to drinking BG bubbled water. However, water can hold only a limited amount of energy. Therefore, inhaling BG tends to have a much stronger effect on the water in our body and, with this, on our energy level.



George Wiseman of Eagle-Research, Inc.,
preparing to inhale Brown's Gas.

(Image: YouTube video, <http://tinyurl.com/yb4wmkht>)

You need to start inhaling with a low dose for only a few minutes. This is especially important for those who have serious or multiple health problems, because initially the body tends to detoxify and this can be temporarily distressing. Gradually expand the inhaled amount of BG and, in addition, drink the water through which the gas has bubbled.

Preferably use a wide range of energising methods. These may include drinking energised water, inhaling Brown's Gas, getting plenty of sunshine, walking barefoot on moist ground, and also using crystals, pyramids and magnets.

Aetheric and Electromagnetic Energies

Several years ago I read an article on water research. A highly diluted mineral solution was added to deionised water. The scientists were amazed that the added minerals did not, as expected, distribute evenly in the water but converged into domains. This was sensational. However, it was also a dangerous result because it could be perceived as validating homeopathy. Therefore, this study was kept under the table.

We have the same problem with clouds. According to the laws of physics, water molecules in separate clouds, especially fluffy fine-weather clouds, should spread out

evenly across the sky, but instead they converge to form domains.

However, there is a way in which not only these problems but also the nature of ExW, hexagonal water and water memory can be explained. As far back as 1895, two exceptional clairvoyants, the Theosophists Annie Besant and Charles W. Leadbeater, showed us the way. Their findings were published in *Occult Chemistry*.¹⁰ Among their major achievements: they discovered isotopes six years before a radiochemist suggested them in 1913; they described quarks, the hypothetical building blocks of protons and neutrons, about 60 years before scientists did; and they saw a peanut-shaped proton about 100 years before a physicist confirmed it 15 years ago. See the article "The Particle Zoo".¹¹ The two clairvoyants were also guided by Professor Sir William Crookes, the leading British chemist and physicist as well as a President of the Royal Society, who provided them with the chemical elements they needed for their investigations. Besant herself had studied chemistry.

Theosophical concepts are mainly derived from ancient Hindu teachings and Sanskrit writings. Accordingly, physical matter is the densest phase of the aetheric level or dimension, consisting of: solids, E7; liquid, E6; gases, E5; and four additional subdivisions presently unknown to science.

Figure 2 shows the subdivisions E5 (far left) to E1 (far right), and E5 shows the nucleus of the hydrogen atom. When Besant and Leadbeater mentally sent energy into the nucleus, it broke up into two separate particles and moved to the E4 level where it can no longer be detected by physical instruments. With more energy transmitted, it stepwise broke up into quarks (E2) and then into individual particles, the Anu or indivisible particles (E1). With even more energy, the Anu disappeared from the aetheric plane. Figure 2 shows only the particles, not the energies.

Just as the electromagnetic spectrum has a wide range of energies, so too has the aetheric spectrum. Actually, I regard the electromagnetic spectrum as being part of the aetheric spectrum. There are *binding* energies and *field* energies. The most common binding energy used in our daily life is the energy of the electron, as it stepwise loses bioenergy by moving from a highly energetic state in food to a lower energetic state in water and carbon dioxide. This difference is the energy that we use for living. In a similar way, there are binding energies between the different structures of the nucleus.

Another type of energy are the aetheric fields that hold

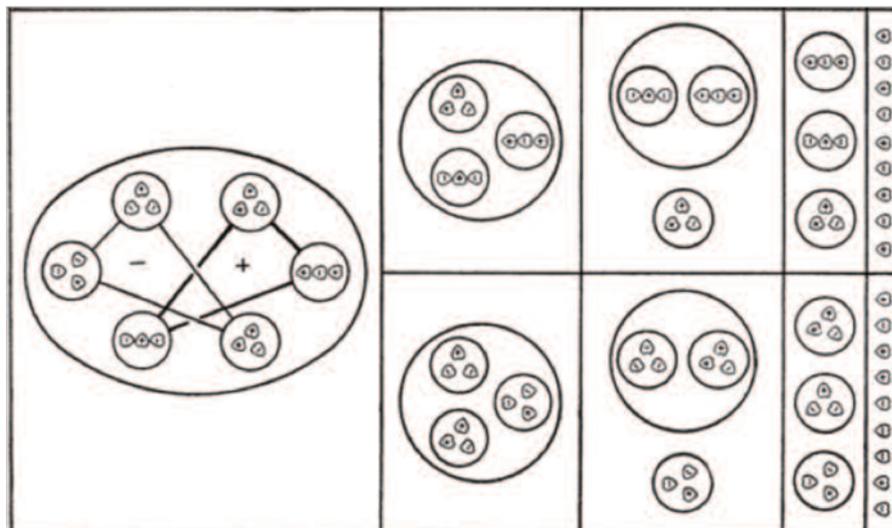


Figure 2: Diagram showing the aetheric decomposition of the hydrogen atom from levels E5 (far left) to E4, E3, E2 and E1 (far right). (Source: Besant and Leadbeater, *Occult Chemistry*, 1951, 3rd ed., ch. II)

different structures together. We may say that the field of an atom or a molecule is akin to a higher-level polar blueprint of its internal structure. Wherever it requires a negative charge to move to, it has a positive one in the blueprint and vice versa. These charges can be electrical, magnetic, male-female or generally yin-yang. Aetheric fields can be separated from their physical bodies by high-energy inputs that cause excessive vibrations of their internal components. Fields of molecules have bodies composed of atoms, atomic fields have bodies of atomic particles, and so on. Molecular fields carry the disputed memory of water and are the basis of homeopathy.

Biochemicals such as enzymes are often very large, with thousands of atoms in highly complex structures. In physics and chemistry, the assumption is that these biochemicals are assembled by DNA. To me, it is much more plausible that cells work according to a blueprint provided by the proposed molecular aetheric fields, which in turn are created at a higher level by mental fields or thought-forms.

Energy Fields and Domains

We can now understand hexagonal water and the formation of electrically expanded water, ExW, as follows. At the electrodes, H₂ and O₂ are released as gases. The aetheric fields of the decomposed water molecules flow together to form domains of aetheric energy in the bulk water. These domains use their free energy to build themselves bodies by binding water molecules in a hexagonal form as structured water. This process is also very similar when the energy is provided by magnets, vortexes, crystals and so forth. In the natural world, the energy comes mostly from sunshine.

In all of these cases, excess bioenergy accumulates in the water, which then forms energy domains containing

structured water. When we drink this structured water, we obtain a supply of easily available or free energy as compared with food with its more tightly bound energy.

While this formation of energy domains also takes place when Brown's Gas is generated, there is an additional process which provides its high bioenergy potential. H₂ and O₂ molecules from the electrodes diffuse in the water and initially meet each other in the middle between both electrodes. Free aetheric water fields can use this as another opportunity to build themselves physical bodies. Because building blocks are only available as molecules, two water fields need to merge to bind two H₂ and one O₂. There is a high energy level within this field, and the bound molecules disintegrate further into an E4 or higher aetheric state (as shown in figure 2).

Because electrically expanded water is basically two water molecules in a *plasma* state, this explains why it is heavier than the rest of the Brown's Gas constituents combined. It also helps us understand why a spark does not cause an explosion, but, rather, an *implosion*, as it provides the reaction energy for each ExW to re-form into two water molecules. The same happens when ExW is inhaled: this can set off implosions, visible as multiple sparks in darkfield microscopy. These implosions release a large amount of bioenergy which the body can then use to improve the structuring of its water and, with this, rejuvenate its cells and functions.

I regard electrically expanded water as a concentrated form of life-force that has the potential to become the universal healing agent of the future.

Increasing Your Bioenergy Supply

To keep our body healthy and young, we need the right biological building blocks as well as the bioenergy to use them efficiently. Presently, most of us are overloaded with building blocks without having enough energy to use them appropriately. With this, they just add to the overload of toxins and metabolic waste already stored in the body. Fasting is a good way to remove this waste, but it requires a lot of energy. It does not work well if we are low in energy. Therefore, it is advisable to combine periodic fasting with a high supply of bioenergy, as from structured water and ExW from Brown's Gas. I expect this combination to be the greatest rejuvenating factor for those who have degenerative diseases as well as for the elderly.

I regard electrically expanded water as a concentrated form of *life-force* that has the potential to become the universal healing agent of the future.

Because ExW is fairly stable and not explosive, it may be stored at normal pressure and temperature, or it may

be compressed, frozen or combined with other biological material as a stabiliser. Note that as this information is now in the public domain, it cannot be patented.

Advice on Brown's Gas Generators

The market for small Brown's Gas or HHO generators for home health treatment is only just emerging. Eagle-Research, Inc. offers the extremely safe and practical BG generator AquaCure™¹², but safety and reliability come at a cost as it has extensively upgraded and optimised the H160 generator from China.¹³ The H160 is designed to fuel a small welding torch for working with jewellery and acrylics. Buying the H160 directly from China is much cheaper, but the device is also dangerous without the AquaCure safety modifications for health applications.

However, there is the option of building your own low-cost and safe generator. Hundreds of people have used the simple plans in George Wiseman's *Brown's Gas: Book 2* (and its Resources)¹⁴ together with the ER50 Resources¹⁵ to build small, highly efficient and practical Brown's Gas generators. By assembling one yourself, you can use locally available parts and avoid high freight costs, especially if you live outside the USA. Hobbyists have built simple versions and offered them for sale.¹⁶ Another possibility is to buy the ER50 as a kit.¹⁷ ∞

About the Authors:

- **Walter Last** is a retired biochemist, research chemist, nutritionist and natural therapist living in Australia. His *Heal Yourself* health books are available from the web page <http://tinyurl.com/4xkdgc>. He is a long-standing contributor to NEXUS Magazine; his previous health-related article, "Is Invasive Cancer a Hyphal Fungus?", was published in 23/02 in 2016.

For more information, articles and advice, visit Walter Last's website <http://www.health-science-spirit.com>.

- **George Wiseman** is the founder and director of the US organisation Eagle-Research, Inc., created in 1984 to develop and distribute practical, energy-saving methods and devices. His 2006 article, titled "Brown's Gas Could Change the World", was published in NEXUS 13/06. His 2007 NEXUS Conference presentation, "The Amazing Brown's Gas", is available on DVD (go to the web page <http://tinyurl.com/y77uqlnt>).

For more information on Brown's Gas, the AquaCure BG generator, fuel savers and free energy, visit George Wiseman's website <http://www.eagle-research.com>.

Editor's Note:

This article is edited from the paper "Brown's Gas for Health" by Walter Last with George Wiseman; see the complete version at <http://tinyurl.com/y8cnnwkh>. The first part of the paper was published as "Extraordinary Healing Powers of Brown's Gas" in NEXUS 25/01.

Continued on page 8

Energised Water Continued from page 7

Endnotes

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