

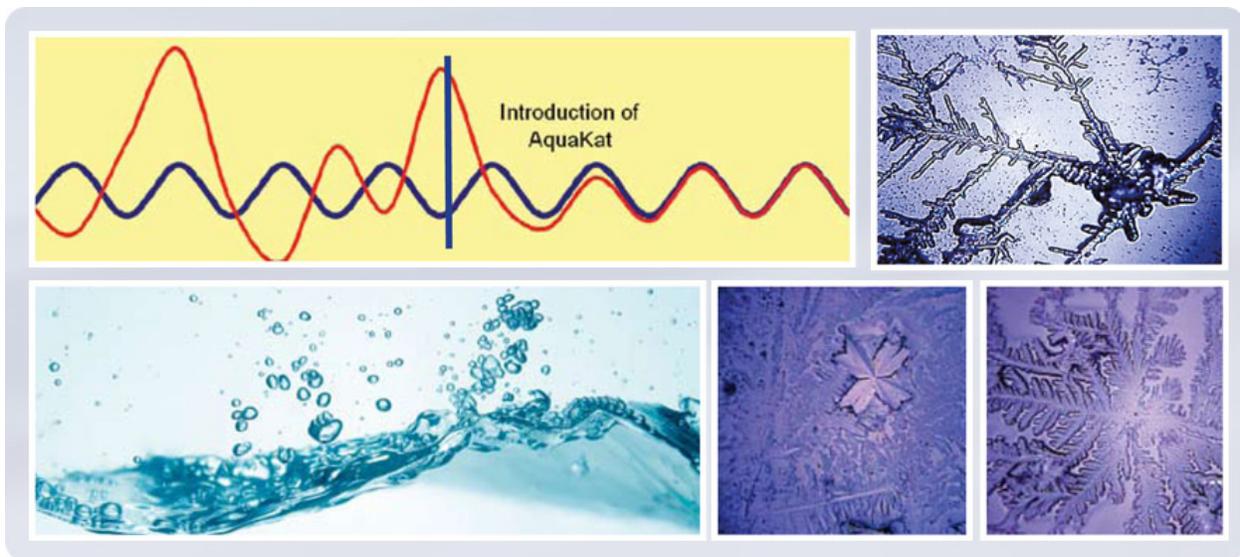
What is water?

Water is an irreplaceable natural resource and the source of all life on earth. It is a tasteless and odourless, clear and colourless fluid, which consists of two of the most common elements in nature: hydrogen and oxygen. Besides suspended minerals and organic particles in soluble form, natural water also contains various gases (e.g. oxygen) and solids (e.g. mineral nutrients).

Water is also a storehouse of information. Water contains imprinted energy oscillations or information which, among other things, influences homeostasis (the body's own regulatory system). Therefore we are not only concerned with physically cleaning the water from pollutants but also with the energetic deletion of the information of pollutants.

Function and Resonance Effect

The AquaKat® is a water revitalization device that emits subtle information patterns which have the effect of changing the characteristics of water. In the same manner as a catalytic converter in a car changes harmful pollutants into less harmful emissions, **the AquaKat® changes the nature of water by transmitting specific frequency patterns to it.** Charged information in the AquaKat® causes water to resonate at a specific frequency (like a homeopathic reaction). This results in water's crystalline structure taking on the attributes of natural spring water (see photos below).



Based on our understanding of water's ability to store and emit information, the following can be deduced regarding the effect of the AquaKat: It alters the "memory" of the water by changing the clusters within it, so that the information patterns of tap water adopt an oscillation identical to that of the AquaKat® (see graph below). Revitalization with an AquaKat® increases water's life force (Bovis reading), converts it to a healthy "left spin", gives it a softer feel and improves its taste. Water filtration and reverse osmosis systems will cleanse water of various substances: chemical, heavy metal and organic contaminants. Unfortunately, they do not restore the energies and information related to them nor do they restore the vitality (life) to water, which is necessary in activating water's natural healing abilities.

How it works and its effects

The effect of the device is based on information used from several different sources of spring water of the highest quality and best origins, and on information from minerals, gemstones and oxygen. Due to the

combination of these informational frequencies, **water subject to the AquaKat's influences takes on spring water properties**, including the benefits associated with drinking such water (e.g. better taste, "internal cleansing") and from bathing/showering in it (e.g. more agreeable, better feel), but also takes on the best protective qualities of water such as natural hardness stabilization (i.e. calcium) and increased absorption ability (i.e. overcoming red / gray discolouration, cleaning effect, freshness). [For a comprehensive list of the many attributes of AquaKat-treated water refer to the section (below) titled: Application Overview.]

To date only a few scientists have recognized the energetic and informational impact attributable to drinking water pollution. One of the best known, Wolfgang Ludwig, advocates the theory that "water contains certain signals, even after being treated, which depending on their wavelength, can be detrimental or damaging to health". Imprinted energy oscillations contain information. Therefore pollutant oscillations in the water also contain information that influences homeostasis (the body's own regulatory system) among other things. This means that in order for water to be clean or harmless, because its pollution levels are within allowable limits, it is necessary that energies and informational frequencies related to these pollutants also be eliminated. He has concluded that the informational frequency imprints of these pollutants need to be removed through water revitalization processes – such as the AquaKat® is able to provide. [Note: Dr. Ludwig's article on water may be downloaded at the end of this section.]

Why water vitalization?

As already mentioned, water contains imprinted energy oscillations or information which, among other things, influences homeostasis (the body's own regulatory system). This means that water is not just clean or harmless because its pollution levels are within the allowed limits, but also that **energies and possibly harmful information relating to them also have to be eliminated**. Therefore, it has to be living (or vital) water.

Water can store and emit ethereal information. Therefore we are not only concerned with physically cleaning the water of pollutants, but also with energetic deletion of the information of pollutants.

Application Overview

- Water revitalization
- Increases the biological water quality
- Higher bioavailability of dissolved minerals in the water
- Restoration of natural dynamics and harmony (spring water quality)
- Multi-information of diverse spring waters, oxygen and minerals

Technical Solutions

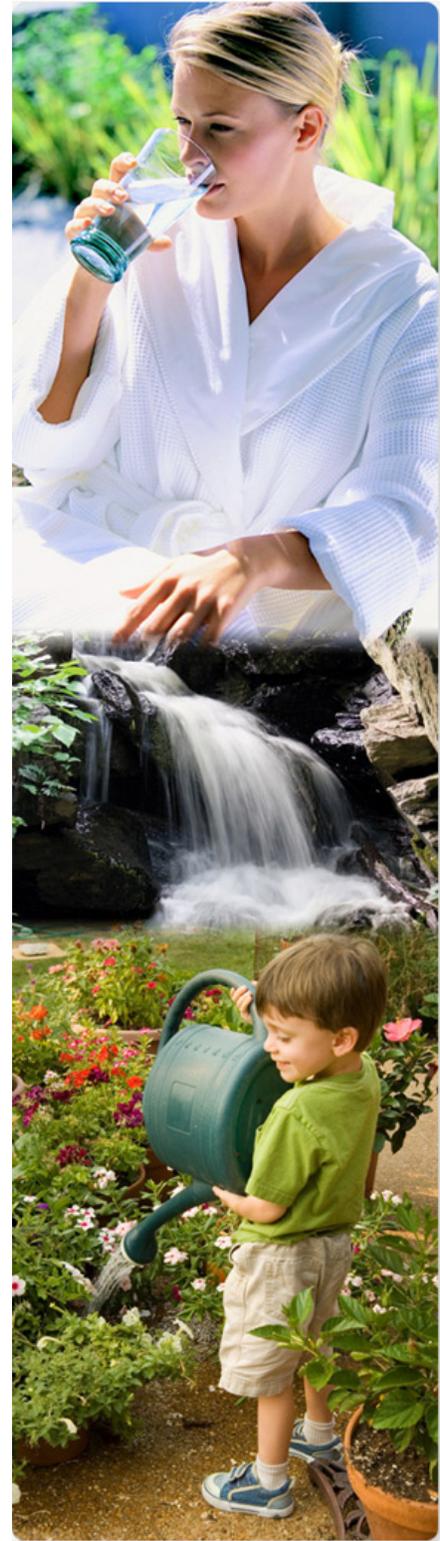
- Hardness stabilization and lime homogenization
- Protection of water pipes and household appliances
- Less aggressive and less corrosive, protects against rust
- Increased solubility capacity of water to absorb dissolved substances
- Longer storage of water without a deterioration in quality
- Increased hygiene and sanitation as sedimentation does not build-up on pipes
- Permanent function - water retains vitality, even when stationary (not flowing) in pipes

Health Effects

- Supports increased alkalinity (elevated pH)
- Health activation, supports physical well-being
- Energetic cancellation of harmful information in water
- Optimized solubility and higher absorption capacity of mineral substances in the water
- Provides water with positive life force (Bovis reading) and healthy "left spin" spectrum

Other Benefits

- Revitalized water, rich in energy
- Spring water quality and attributes
- No change in the water composition
- Fresher taste and changes the nature of chlorine
- Feels softer to touch and taste
- Reduces use of soaps, detergents and additives
- Improves taste & extends freshness of fruits & vegetables
- Enhances septic system functionality
- Reduces surface tension
- No plumbing required to install
- No maintenance or operating costs
- No magnetism, no electricity, no chemicals and not susceptible to frost damage
- Thousands of users worldwide – more than 25 years of usage



Range of Uses

- Individual faucet, water tap outlet or showerheads
- Private household,
- Mobile home, recreational vehicle, cottage/recreational property
- Apartment buildings
- Community water supply system
- Park/rest area water supply and/or washroom facilities
- Swimming pools, hot tubs
- Hot water heating systems, cooling tower installations
- Commercial establishments, including restaurants, bakeries, grocery stores, spas, tourist accommodation, car washes, laundries, hair salons, etc.
- Gardening and horticulture
- Agricultural use (e.g. poultry / livestock watering, processing water, pesticide spray application, composting)
- Industrial uses (e.g. processing and cooling operations, metal fabrication, recirculation water use)

Installation

The AquaKat® is easy to install. No plumbing is required. It is simply clamped onto the main intake water pipe. In cases where the AquaKat® cannot be attached centrally to the main water pipe (such as in an apartment suite) the medium or small AquaKat® can be fitted in an alternative location: in the kitchen (under the sink), the bathroom (to the shower apparatus) and/or on the intake water line to the washing machine. The small AquaKat® is also well suited for travelling, for use in hotels or recreational vehicles and for use in conjunction with a water filtration or reverse osmosis system. The AquaKat® can be fitted to all pipe materials.



Water - an ideal solvent once again

One benefit of water revitalization with the AquaKat® is that lime build-up in water pipes becomes dissolved and does not re-form. The reason for this is that the water regains its natural capability to hold dissolvent mineral substances as microscopic particles - 200 to 300 times smaller than before. This means that lime does not build up on pipes, in hot water tanks, hot water heating systems, appliances or in commercial, industrial or agricultural operations, especially where water is recirculated or heated. Similarly, rust in steel pipes is dissolved and then washed away like other substances in the water, instead of accumulating or staining fixtures.

Microscopic examination has shown that practically no coagulated crystals form under the influence of the AquaKat®. Instead, small round and isolated singular crystals are formed that have the additional effect of stabilizing the hardness of the water.

In another comparison, the crystal scientist Dr Elmar Langenscheidt has re-tested the well-known crystallization behaviour of ascorbic acid. In water that was informed by the AquaKat®, ideal typical uniaxial crystals are formed. Their centre is clearly recognizable. It becomes the centre of a radial corona of interference colours, which indicates a closed crystal structure.

Hard water versus soft water

It is widely accepted that good quality drinking water is an essential and healthy part of our daily diet. The minerals that it contains, such as potassium and magnesium, are also part of the water and give it its good taste. Calcium is also part of this; however, it can have side effects. It may be good for the human body, but the buildup of calcium (lime scale) in pipes, in hot water tanks, on plumbing fixtures, kettles, etc. can cause significant problems and costs.

What most people do not realize is that water that is too soft can also cause damage – by corroding metals and metal surfaces. Rust can eat away on the inside of pipes. Lime can therefore be useful, even important. Just to get rid of it means also to give up its protective properties.

This is why water experts recommend leaving the valuable calcium in the water! Modern water treatment techniques and systems, such as AquaKat®, work on the calcium in such a way that prevents it from settling as harmful lime scale, while allowing it to retain its protective properties.

Water Heater Element



With lime



Lime being removed



Element after lime removed

Hard Water

Disadvantages

- calcium (lime scale) build-up
- higher energy consumption (hot water)
- reduced operating capacity (clogged pipes and fixtures)
- damaged appliances (kettle, coffee maker, etc.)

Advantages

- protection from corrosion and pitting
- better taste (mineral present)
- water with a “grip”

Soft Water

Disadvantages

- corrosion and rust
- aggressive water (pitting)
- dissolves heavy metal from pipes (e.g. copper)

Advantages

- enhanced solubility
- reduced detergent/soap required
- no calcium (lime scale) build-up

By addressing problems of lime build-up in pipes and on fixtures and by eliminating rust stains on plumbing appliances and elsewhere, the AquaKat® eliminates the need for a water softener and/or iron removal device – saving money on water equipment and replacement products (salt, filters, etc.). Also plumbing systems work more efficiently (at increased capacity), hot water tanks last longer and water heating energy costs are reduced. These are all factors which enable the AquaKat® to pay for itself quickly.

New insights into tap water

The pleasant and healing effects of water, which has been treated with the AquaKat®, are not easily measured or assessed by visual examination. Yet, they can be experienced. During the more than twenty years of AquaKat® use in Europe an extensive number of favourable experiences have been documented, including the following:

A leading German plumbers' trade journal “SBZ Sanitar-Heizungs-Klima-und Klempnertechnik” undertook a study on the effectiveness of the AquaKat®. They commissioned a group of plumbers to test the device with their residential customers. **More than 80 percent of test participants reported positive results with the AquaKat®.** During the three months test period, it was reported that former problems of lime scale build-up on pipes, in hot water heaters and on appliances (e.g. kettles) resolved themselves. Households that previously had a rust problem reported that red discolouration of their water

disappeared. Also participants identified water properties that can only be experienced subjectively, including: the water simply tasted better; felt softer; the chlorine taste seemed to disappear and when having a shower it felt more refreshing, as if under a waterfall in the mountains.

AquaKat Residential Use

For most households a Large AquaKat (AquaKat L) will have sufficient capacity for all household requirements. Nonetheless, in some cases, the addition of a Medium AquaKat (AquaKat M) can be added after the hot water tank to further support the revitalization process of the hot water supply.

	Recommended Daily Capacity	Suggested Usage
AquaKat Large	3,000 litres per day	household / dwelling
AquaKat Medium	750 litres per day	apartment / hot water supply
AquaKat Small	100 litres per day	individual tap / showerhead

The capacity of the Medium AquaKat® (AquaKat M) is well suited for:

- a single apartment unit
- mobile home
- recreational vehicle
- small recreational property
- in-floor hot water radiant heating system
- solar collection system

The Small AquaKat® can easily be affixed to a household tap, faucet or showerhead. It is ideal for revitalizing household, drinking and service water at individual taps and for travelling. In cases where it is used in conjunction with a water filter or reverse osmosis water system the AquaKat® S should be installed on the downstream end of such systems.

Former Problem with Septic System Resolved: A few months after installing an AquaKat® on their home water system, a household noticed as a side benefit that a chronic set of problems they used to experience with their septic system – bad odour, frequently needing to be pumped out and the tile field not functioning efficiently – all seemed to resolve themselves. Their regular septic tank pump out operator observed: *“It seems to have initiated an aerobic process in the septic tank causing it to function more efficiently and not requiring as regular a pumpout.”*)

AquaKat and Swimming Pools / Hot Tubs

In addition to its general use, the AquaKat® may also be used in swimming pools and hot tubs. The AquaKat® increases the quality of the water in a swimming pool or hot tubs.

The benefits of vitalized water in a swimming pool / hot tub are:

- Softer and fresher feel to the skin
- Facilitates longer duration use of water (reduces the need for harsh chemicals such as chlorine)



- Decreases accumulation of germs and bacteria in the water (therefore reducing need for pool chemicals)

Installation should take place after the filter. While chemical and mechanical filtration systems are still necessary, with the AquaKat® their usage can usually be significantly reduced. It is recommended that at the outset, when the AquaKat® is first installed, no adjustment should be made to other pool maintenance systems (e.g. filters, chlorination program, etc.), yet a monitoring program respecting pool chemicals (chlorine level, etc.) should be undertaken to gauge the extent to which the use of other pool maintenance systems may be gradually reduced. In some cases, private swimming pool owners that have installed a swimming pool AquaKat® have been able to dramatically reduce or eliminate the need for pool chemicals or mechanical filtration. However, each operating system and pool is different and individual pool / hot tub owners will need to assess their own situation.

Commercial Uses for the AquaKat

There have been numerous reports of favourable results with the AquaKat® being used in commercial and industrial operations. Some include:

- A winery was able to decommission their water softening plant
- A hotel now saves 30 percent on its costs for cleaning and disinfection agents
- A bakery reports that their bread dough is easier to process
- A pasta manufacturer has a similar experience with kneading their dough
- A bakery has become famous for their bread's flavour and freshness and its ability to "practically" never go stale; the owner attributes these characteristics to having installed an AquaKat®
- A hairdresser reports using less shampoo in her salon and finds that her client's hair looks shinier and feels softer
- Pub owners / restaurateurs are happy with the notably improved taste of their water, and comment on how much easier it is to clean glassware (which now becomes "sparkling clean") and a reduction in laundry detergent requirement
- The produce manager in a grocery store observed that the store's produce now has a better shelf life, is less inclined to experience a reduction in quality (e.g. lettuce less likely to appear wilted) and produce looks fresher since installing an AquaKat® M onto their produce water misting system
- A cheese manufacturer has found that his hot water boiler which previously required constant cleaning, to address a lime build-up problem, no longer experiences this problem
- A car wash operator reports lower water surface tension (e.g. reduced occurrence of water beading up and water spotting) and that the operation soap/detergent requirements have been reduced since installing an AquaKat®
- A metal fabricator reports their (wet) metal lathes now work more efficiently and the water seems smoother
- A ski resort in Switzerland reports that a previous problem with odours from a high traffic washroom facility was overcome once an AquaKat® was added to the water system
- An office building cooling system, with recirculated water, experienced a reduction in lime build-up, lower operating costs and reduced need for shutdown and clean-up
- The French Navy has done extensive tests on the AquaKat® and discovered that it changes the structure of the water and improves the quality of water and reduced shutdown times to clean equipment plagued by lime build-up. They also reported a reduction in chlorine in the water following AquaKat treatment.



AquaKat and Agricultural Use

In the same manner as humans benefit from vitalized water, animals also signal an appreciation for AquaKat® vitalized water. A simple experiment is to give livestock AquaKat® vitalized water in one water trough and give them their regular water in another adjoining water trough. The animals will show a preference for the vitalized AquaKat water (and there is no placebo effect with animals, as there can be with humans).

In an agricultural setting, the AquaKat® can be used to:

- improve the quality of animal's drinking water
- create negative (or alkaline) water which is beneficial for livestock
- assist in overcoming necrotic enteritis in poultry
- produce a superior quality water for herbicide application
- increase the efficiency of herbicides (desiccation/burnoff) when attached to a field sprayer
- improve the quality of a farmhouse's water supply
- stimulate aerobic process in compost/manure and septic systems (and reduce associated odour)
- in conjunction with penergetic w (for groundwater) can be used to improve the quality of cistern water
- suitable for all other uses mentioned above (e.g. residential, commercial) carried out on a farm



In commercial, industrial, multi-family residential, mixed use and agricultural situations where larger volumes of water are to be processed the XL AquaKat® (capacity 6,000 litres/day) and the XXL AquaKat® (30,000 l/day) may be used.

For instance, in a multi-family apartment building (or condominium project) instead of individual suites or units having their own in-suite AquaKat® greater economies of scale can often be achieved by installing one or more larger-sized (XL or XXL) AquaKats in the building.

Likewise, in larger scale industrial operations or commercial operations (i.e. a hotel), it can be more economical and practical to install one of these larger units. Similarly, in a livestock rearing operation where a large volume of water is used on a continuous basis units able to offer a larger daily capacity may be warranted.

Example: A dairy farm with 50 cows each consuming 120 litres of water daily will consume 6,000 litres/day – suggesting that for optimal efficiency an XL AquaKat® should be used.

For these types of applications it is best to consult a Penergetic/AquaKat distributor for advice as to the best approach in addressing your particular situation.

Also, as referenced under the section on Penergetic w (for water reclamation), there are “special” waterproof XXL AquaKats and AquaKat water modules (water units) that are specifically designed to assist in the remediation of water bodies. Refer to penergetic w for information on these special devices.

Satisfaction Guarantee

The AquaKat has been in use in Europe for over twenty (20) years. The “Original” AquaKats sold 20 years ago are still in use today – they do not run out, expire or become obsolescent. They simply continue to produce revitalized water.

Nonetheless, every AquaKat sold in North America comes with a:

- 30 day money back satisfaction guarantee *
- 5 years warranty on workmanship
 - o Applicable if you are not completely satisfied with how the AquaKat performs
 - o Subject to water unit and box being returned in good condition

The AquaKat is designed as a "one time" purchase.

There are no on-going operating expenses:

- no filters to change
- no plumbing or cutting of pipes required
- no special equipment needs to install
- no magnets to wear out or lose their charge
- no moving parts to wear out or need to be replaced
- no chemicals or salt to add
- no electricity required



Sanitation and plumbing trade companies test water energisers

Humbug or new perspective?

As part of the SBZ professional experiment looking into the effectiveness of energising water treatment devices, we asked the question whether we were dealing with humbug or new perspectives. An unvarnished summary of the results based on the observations and reports of 35 people follows below.



33 Aquakat test devices were sent to trade companies willing to experiment. These were chosen according to the order which the applications for last year's SBZ professional testing campaign were received in.

If there has been some dispute over the effectiveness of physical water treatment devices, the same can most certainly be expected with regard to the new energising technologies with an emphasis on the esoteric. Several manufacturers advertise their products with a mix of messages that can sometimes strike one as rather bizarre.

A so called activation is meant to give the water renewed powers in order to make it more refreshing and to

improve the taste, or make the water leave a pleasant sensation on the skin. Additional effects include, according to the manufacturer, reduced formation of limescale from hard water, breakdown of limescale, enhanced plant growth, reduced detergent consumption, less red discolouration of water through rust and much, much more.

However, it might not work all the time or in all areas. The effectiveness is also dependent on the composition of the water and the basic conditions. Nonetheless, several manufacturers generate a remarkable turnover from door-to-door selling in spite of these incalculable factors. A substantial section of the population is obviously receptive to products with esoteric leanings. Can the sanitation and plumbing trade afford to - or does it want to - let this opportunity pass by?

Energising the water

First of all, let us look at the energising process that is supposed to work without chemistry, electricity or magnets. The theories on offer are sometimes weird and many statements in the brochures contradict basic scientific facts. On the other hand, it is known that there are

many phenomena that cannot yet be explained by science.

One of the first to look into the energising of water for healing purposes was the doctor Friedrich Anton Mesmer (1734-1815). The works of Viktor Schauberger (1885-1958) as well as those of Theodor Schwenk (1910-1986) and John Wilkes of the Institute of Flow Sciences in Herrschried, Germany are also known. They examined the spiral, formative flowing movements of water with regard to quality and activity. The self cleaning property of streams and rivers for example, can be traced back to their meandering courses and the resulting spiral movements of their water. Nature mechanically provides for the necessary activity of the water with additional irradiation of light and cosmic rays.

Diverse materials transmit the information

The devices for energising and vitalising the water transmit subtle ethereal oscillations, so called information, onto the water. These subtle energies cannot be measured directly since they seem to reside outside generally accepted forces. Only by experimentation are



This article is based on reports based on the experiences of your trade colleagues

their effects noticeable as phenomena. It is assumed that water is a carrier of information and therefore able to store frequency patterns. The structure of the water is modified and under favourable conditions the storage of information lasts for a long time. Favourable, in this case, means no high temperatures, the absence of disrupting (electro) magnetic fields and little turbulence.

The information for the water originates from a store that consists of a crystalline or water-containing material. Silica sand and calcium carbonate are used as well as gems or wood. Metal is often used to transfer the information from the carrier onto the water.

Exemplary test

Even though, or maybe because, there is great uncertainty surrounding the effectiveness of such products, we picked one manufacturer at random, PENERGETIC from Meersburg. The editors of SBZ were quite sceptical and wanted to know - without scientific or representative pretence - from a neutral point of view, if anything at all happens with these types of products. Accordingly we distributed 33 Aquakat test devices to trade companies willing to experiment. These were chosen according to the order the applications for last year's SBZ professional testing campaign were received in. The duration of the test was three months. We asked our colleagues in the trade for subjective and unvarnished reports based on experience.

The test device

Our test device, the Aquakat by PENERGETIC, Meersburg, is a device that was developed for the vitalisation of water in single apartments, single family homes or apartment blocks. Company director Daniel Plocher believes in his devices and therefore made 33 units available for the experiment. The device consists of a casing made of brushed stainless steel pipe and the layered



We talked to Daniel Plocher, manufacturer of the devices and director of PENERGETIC in Meersburg, about the results.

SBZ: Mr Plocher, what is your opinion on the test results?

Plocher: I am surprised that the assessments of the SBZ readers were even better. I expected about 60% of the tests to be positive. I am of course delighted that the result is so favourable.

SBZ: And how do you explain the vast differences in the results?

Plocher: That is normal; each of our customers perceives the effects to be a little different. Furthermore the actions and effects are also dependent on the surroundings and the composition of the water. Generally the results of the SBZ experiment do reflect the experiences of our customers.

SBZ: Out of 10 devices that you install, how many do you have to take back?

Plocher: On average two devices are taken back. But this is no problem since the Aquakat is merely clamped on and the tradesman selling it can easily show good will towards his customer without producing extra costs.

inner, made of linen paper, aluminium foil and cotton. The aluminium foils have been "informed": they are, according to PENERGETIC, charged with frequency patterns of clean, natural spring water and oxygen during a special manufacturing process by means of a gravitational field using the implosion method. The water that is to be treated does not come into direct contact with the information carrier. Advertised are, besides biological and health-related advantages, also taste improvements and a higher efficiency with wash and cleaning processes. Limescale and rust feature further down the list on the advertising material. The Aquakat is supposed to transfer the frequency patterns that it has previously been charged with onto the water. The device, that works electricity-free, is 28cm long and costs 810 before tax. The effects are said to last for a period of 15 to 17 years. The Aquakat is mounted onto the

Plumbers instead of homeopaths

SBZ: How do you distribute the devices in Germany?

Plocher: We are currently building up a distribution system through agents within the sanitation and plumbing trade. We also sell through selected homeopaths, because the sanitation and plumbing trade has so far only shown a little interest in our devices.

SBZ: Is that not a contradiction? On the one hand distribution through plumbers, on the other hand through homeopaths?

Plocher: You are right, but I cannot let our devices get old in storage only because the sanitation and plumbing trade is not willing to sell them. We will, however, make a fresh start now in selling our devices directly through the trade and therefore exclusively through the sanitation and plumbing sector.

SBZ: Where do you see the largest customer base for your devices?

Plocher: Health-conscious owners of one- or two-family homes. Basically, anyone who wants to achieve harmony with nature, the environment and comfort in the treatment of water.

pipe behind the water meter and pressure reducer using the mounting screw.

Surprising test results

33 devices were distributed to 33 trade companies. Two testers dropped out, but three companies tested the device in more than one household, so we received 35 significant questionnaires in the end.

- First surprising result: Only 4 companies certified the devices to be without any effect whatsoever.
- With the remaining 31 installations positive effects of the most varying degrees and forms were achieved.
- Soft factors: 28 professional testers reported a taste or haptic improvement. Statements like "the water feels softer, it tastes better and fresher and no bubbles form in the water" were often heard. It was repeatedly noted that an unpleasant

chlorine taste was no longer noticeable. Another group of testers reported hair that felt softer and a pleasant effect on the skin.

- Limescale problems: 7 testers said that problems with limescale remained unchanged. 7 testers did not have any problems with limescale and merely wanted to check for effects on taste etc.

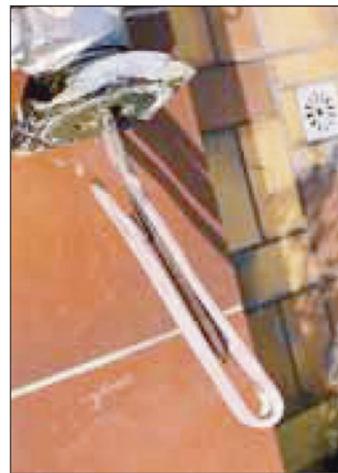
26 testers, however, noticed a significant improvement of limescale problems. Their reports outline time and time again that limescale could be removed a lot easier. In cases where traditional cleaning agents had to be used to attack limescale on tiles and fittings prior to the test, it could now be removed by hand or with a soft cloth. Additionally it was said that less limescale built up and that the formation of limescale stains was reduced.

- 12 testers with severe limescale problems could significantly increase (mostly double) the period between descalings on all technical devices.

- In 3 installations, where red discolouration of the water through rust had to be treated, the red discolouration vanished after the Aquakat had been installed.

- Because water is supposed to improve its “dissolving properties” through vitalisation, the amount of washing detergent used can, according to the manufacturer, also be reduced. Correspondingly, about half of the households were able to reduce detergent consumption successfully by up to 50%. To be fair, it has to be said that it was not determined if the use of detergent had been optimised prior to the installations.

Quintessence: Apart from a few exceptions, the majority of the trade companies who took part in the experiment determined that the Aquakat - in whatever way - works. The effects found were of a diverse nature and ranged from weak singular effects to baffling problem solvers with regard



A Before testing, heating rod after 12 months of use: the limescale was hard as stone

B The heating rod was descaled with acid before testing commenced

C After a three month run with the Aquakat installation, limescale has become noticeable again

D These limescale deposits were, however, according to SBZ professional tester Karl Maierthaler, “totally soft” and “could easily be removed with a jet of water”.

to taste, limescale and rust. It cannot be deduced from the test results which influential factors lead to which action when the devices are used. For this, large scale scientific studies will be needed. A substantial section of the population is obviously receptive to products with esoteric leanings. This clientele should not be left to the traditional door-to-door salespeople. Inform your clients about the potential effectiveness and non-effectiveness of the device. If you offer your customers a right to return purchased devices, for example within a three month period, even with devices where effectiveness is not satisfactory, you can still make a good turnover without a guilty conscience.

On this note, a quote by SBZ professional tester Sabine Heymann from Seelze, who was one of the few participants that did not notice an effect: “Blessed be the

believer – but the non-believer will also go to heaven. If people believe in it, why would anyone want to stand in the way of their happiness?” In light of this insight and the fact that more than 80% of the SBZ professional testers noticed significant effects, the sanitation and plumbing trade should not let this opportunity pass.

AquaKat Frequently Asked Questions

Questions on function

1. What is the purpose of the AquaKat?

Through technical processing and transportation, water loses most of its vitality. The AquaKat was developed to vitalize tap water in all types of households and in wells. Various positive side effects occur when water is vitalized. One side effect is water hardness stabilization, i.e. lime crystallization behaviour changes; no descaling takes place – just a change in how these deposits are formed.

2. How does the AquaKat work?

The special construction of the AquaKat allows it to transmit frequency patterns which vitalize the water. The memory capacity of water is stimulated; i.e. certain water clusters (chains and bundles of molecules) are activated and start to resonate. This resonance is transferred through the whole system and damaging waves can be erased. The AquaKat is not a magnetic, chemical or electrical device.

3. What is in this device?

This device is constructed from metal, paper and cotton. The metal has been informed (charged with frequencies) using the Pengergetic system.

4. How much water can be treated using this device?

Where there is an even consumption of water, the AquaKat L can be used for houses accommodating 1 – 2 families, i.e. an average of 6 – 8 persons. The AquaKat M is suitable for 2 – 3 persons or secondary vitalization of warm water and the AquaKat S is designed for use when travelling or on single taps.

When more water is consumed, two or more AquaKats are needed.

Questions on installation

5. How and where is the AquaKat installed?

The AquaKat should be fitted behind the water meter and the pressure reducer using the brackets for fitting; 10 cm of free space on the water pipe is sufficient for fitting. No interference with the main system is needed. The pipe should be clean and free from rust and dirt.

6. Is there anything in particular to be noted?

Strong electric currents disrupt the functioning of the AquaKat. If there are large electronic appliances in the room, you should measure electromagnetic pollution where the device is to be installed using a meter. With very old pipes, where lime deposits are practically the only thing keeping them watertight, there is a risk that these could leak. The AquaKat should not be used on old lead pipes. Plastic pipes, in contrast to metal pipes, are more slow-reacting resonators. If the AquaKat is attached to plastic piping, the desired effect will take longer. For this reason, the AquaKat should be attached, when possible, to a metal part of the pipe.

7. What size pipe circumference does the AquaKat fit?

The mounting brackets for the AquaKat L fit for ¼ inch to 2 inches, for the AquaKat M from 16 mm to 1 inch; the AquaKat S has a velcro fastener which fits all sizes. Larger brackets can be ordered on request.

8. Can the device be mounted in such a way that it touches two pipes?

This is possible in principle. However, it is more effective to join the two pipes using metal and to install the device before or on the join. The best solution, however, is to install one AquaKat on each main pipe.

The AquaKat L can be fitted in two different ways –horizontally or vertically.

9. Can the AquaKat be leaned against the wall?

No, the AquaKat should, where possible, be fitted so that it hangs “freely” from the pipe or is standing upright.

10. Does the AquaKat have to be fitted in a certain direction?

Only the AquaKat S needs to be installed in a certain direction.

11. Both a warm water and cold water pipe are available. Should an AquaKat go on each one or is it possible to connect the pipes? Would this affect the performance?

Ideally, an AquaKat L should be fitted to the cold water pipe and an AquaKat M fitted to the warm water pipe. In smaller apartments, the AquaKat S can also be used.

It is generally recommended to give the warm water supply a secondary vitalization, as the heating process reduces the vitality of the water.

12. Can an AquaKat be installed onto the hot water circulation (heating system)?

This is an ideal place for the AquaKat M to be installed. Simply attach to one of the circulation pipes under the heating system. Advantage: activated water, better heat, less residue, deposits on expensive thermostats can be reduced in this way.

13. It is not permitted to install any device onto the main pipe. How can an AquaKat be installed in an apartment?

The AquaKat L can be attached where the pipe work branches off or in the apartment itself, if possible at the start of the supply pipe. If there is a lack of space, the AquaKat M can be used. The device can be fitted in the bathroom, kitchen, at the washing machine or under the sink, depending on where it is needed.

Questions on interactions and effects

14. PENERGETIC products are already in use. Is an AquaKat necessary and can the quantities of the other PENERGETIC products be reduced?

The products from PENERGETIC work in harmony with each other. Water is the most important element. Once the AquaKat is installed, the quantities of other PENERGETIC products in use can gradually be reduced in all areas where vitalized water is in use. The amount depends: on average approx. 20% - 30%.

15. Can an earth cable disrupt the AquaKat?

Yes, if there is leaking current on this line and the protective device on the control panel does not respond.

16. What difference does the pipe material make?

The AquaKat will function with all pipe materials; best and most efficiently with stainless steel pipes, then with galvanized pipe and pipes made from other metal compounds. The effects are slower with plastic piping (see question 6).

17. Lime stabilization is managed by a magnet. Will this work together with an AquaKat?

No, the function of the AquaKat would be disrupted. The AquaKat attempts to neutralize the magnetic changes in water. A positive effect would no longer be noticeable. A possible remedy would be to take off the magnet and to bang with a hammer on various parts of the pipe to "dissolve" the magnetization, wait a few days and then install the AquaKat.

18. An electromagnetic device has already been installed to manage lime. Does this work together with an AquaKat?

See question 19. Take out the plug and wait a few days. Then install the AquaKat.

19. Will a chemical water-softening system disrupt the AquaKat?

Chemical systems cost a lot to maintain and are highly damaging to the environment. The system should be discontinued after the AquaKat has started to work. Water softeners can also be reduced in the dishwasher - the amount varies and must be tested.

20. Chemicals must be added to very aggressive water in order to protect pipes. Can this be left out now?

This is a tricky question. Where the pH-value is very low, you must wait and see how the AquaKat takes effect. After this, the chemical dosage needed can gradually be adjusted. It is possible that, in extreme cases, chemical treatment will still be necessary.

21. Does a reverse osmosis filter / filter work with the AquaKat?

Yes. However, the filter cartridges must be well maintained.

22. Due to pathogens, the water is treated with UV rays!

This can reduce the effectiveness of the AquaKat to such an extent, that a further device may need to be installed.

23. There are lead pipes in the apartment. Can this cause problems?

The AquaKat should not be used on old lead pipes (hairline cracks in the pipes).

24. Can the AquaKat be combined with the Grander system?

We recommend that one or other system is chosen.

25. It is claimed that deposits in pipes may dissolve. Do these end up in large quantities in the body? Should a filter be installed?

Generally, old deposits are dissolved in the form of larger chips, which lodge in the tap's nozzle (filter). The fine lime particles that are dissolved temporarily increase the conductivity of the water. The dissolved lime is produced in small quantities and over a long period of time so there is no risk of an increased consumption of lime. An extra filter is not necessary.

Questions on effect

26. By how many degrees is the water hardness reduced following the installation of an AquaKat?

Water hardness stays the same; it can even be slightly increased for a time through the dissolved lime coming off the walls of the pipes. In almost all cases the AquaKat causes hardness stabilization, but no softening of the water takes place.

27. What is hardness stabilization? What happens to the lime?

Hardness stabilization is a physical process where the crystallization behaviour of water elements will change to such an extent that the crystals will no longer form in chains or in bundles. So, they no longer form aggressive lime or scale.

28. How can the effectiveness be tested?

In many ways: the starting point can be recorded. Here is an example:

Do you have problems with lime deposits? (Please tick)

BEFORE: extreme problems quite bad not too bad none

AFTER: extreme problems quite bad not too bad none

How often must your household appliances be thoroughly descaled?

BEFORE: 1. Tap nozzles 2. Saucepans 3. Coffee machine 4. Bathroom Fittings

5. _____ time between descalings

AFTER: 1. Tap nozzles 2. Saucepans 3. Coffee machine 4. Bathroom Fittings

5. _____ time between descalings

Which subjective changes were noticeable in terms of...? Lime (to remove), water colour (clearer), water taste, meals (taste), detergents (savings), laundry (softer), effort needed for cleaning, skin and hair (feel, appearance, ease of care), plants (appearance, health), animals (appearance, well-being), etc.

29. It is working well, but there are still hard deposits on the pressure cooker and the kettle – why?

In pressure cookers, temperatures of over 100° C and enormous pressure are normal. Under these conditions, lime starts to build as scale. After use, the pressure cooker should be cleaned, filled with cold, energized water and left to stand. This can help to dissolve any deposits.

In kettles, leftover water which has already been boiled is often reboiled. Vitalization disappears over time, however. So this older water and released lime forms small deposits which can build up over time if they are not cleaned out. To avoid this, the kettle should be completely emptied after boiling and any lime remnants rinsed out.

30. Is it possible that the effects of the AquaKat can vary?

Variations are usually due to the following factors: change in the water quality, switching electrical appliances on and off in the vicinity of the AquaKat (interference), habituation to the AquaKat, formation of deposits between the brackets and the pipe (must be removed).

If these variations are very frequent, we recommended that you install a second AquaKat as the energy potential of the existing device is not sufficient.

Often, these variations are noted where a secondary vitalization of the warm water supply has not been carried out, as the heating process reduces the water's vitality (by up to 30%). In this case, the user has a deficiency with their warm water. We therefore recommend that vitalization should always be carried out on both the cold and warm water supplies, to achieve optimal performance.

31. And if there is still no noticeable change after 2 weeks?

Then a few questions need to be answered, like where and how was the AquaKat installed? What was it expected to do? Are there outside interferences and/or other devices? Water quality, water quantity and pipe material all affect the effectiveness of the AquaKat. We recommend that you remove the AquaKat, address the issues in question and re-install the AquaKat after one week. A second device may need to be installed. Was a secondary vitalization of the warm water supply carried out?

32. The AquaKat has stopped working after 2 months?!

Several questions need to be answered here as well. Have new appliances been introduced? Has the water supply changed (enquire with waterworks, new devices, mixed differently etc.)? Has the AquaKat been securely fitted? Have deposits formed between the brackets and the pipe? Has the flow of water increased? Have the users got used to the improved quality of the water? Is the lime structure the same as before? If in doubt, it is a good idea in this case as well to remove the AquaKat and to re-install it after 2 weeks. An acetic test might also be a good idea, or check the seal on the device! Once all of this has been done, an exchange may be considered.

33. The water is brown all of a sudden. Why?

This is a very positive effect! Lime and other components, like iron (rust) are dissolving from the pipes. During this time, pipes should be regularly and thoroughly flushed through.

34. The tap nozzles and filters are blocked.

Take off the tap nozzles and remove deposits which have released from the pipes and lodged there.

35. Can small children drink tap water which is being treated by an AquaKat?

This depends totally on the quality of the water supply. Many substances are not even recorded in a simple analysis (15 parameters).

Questions on guarantee and life expectancy

36. How long does the device's guarantee last?

There is a 30 day satisfaction guarantee with the right to return undamaged devices and a 5-year guarantee on workmanship and materials.

37. How long does the AquaKat last?

Based on experience to date, a life expectancy of at least 20 years can be expected.

38. Product liability law?

The AquaKat was developed to vitalize water. The side effect of hardness stabilization is not a promise – it is a possible side effect.

39. And what happens if the device has stopped working after 3 months?

It is highly unlikely, but the sales department will look into it.

Questions on special applications

40. Can the AquaKat be used to vitalize swimming pool water?

In swimming pools etc., the AquaKat is fitted to the circulation pipe. An additional AquaKat can also be fitted to the central fresh water supply.

41. How many AquaKats are needed in a swimming pool?

The number of AquaKats needed depends on the daily flow of fresh water being exchanged. Up to 3 m³ of fresh water per day = 1 AquaKat. Quantities over and above this limit will require 2 and more AquaKats.

42. Problems with pathogens in a swimming pool?

When water is vitalized, the milieu for pathogens changes. This can bring about a situation where pathogens no longer thrive. The effects must be monitored.

43. Can chlorine be left out?

In public pools, regulations apply. A reduction in chlorine can be considered however. If pathogens are monitored, a more suitable dosage can be found. In general, 'normal' swimming pools can not be managed without using chlorine. The natural filters (algae, etc.) are lacking.

44. Can an AquaKat be fitted to an air-conditioning system?

Yes, an AquaKat can be used in conjunction with air-conditioning systems. UV-radiation would, however, inhibit the effectiveness of the device. If the system runs under extreme pressure and at very high temperatures, the effects may not be as high as expected.

45. Can the AquaKat be used in industrial plants?

The AquaKat was specially designed for domestic water systems. Industrial use must be discussed in advance with the manufacturers.

46. Important to note

Since water is such a large part of life and our most important foodstuff, the user will always benefit from a vitalization of their water supply.

Recommended Reading

The following books deal with the themes of water / drinking water.

The Healing Energies of Water

Charlie Ryrie ISBN 1-885203-72-1

Messages from Water

Masaru Emoto (Doctor of Alternative Medicine)

Product: AquaKat



Photos before and after installation of the AquaKat

Before: October 6th - prior to AquaKat being installed



After: November 11th (tap screens clean)



**"All life-cycles are either directly or indirectly
connected with water.
This water plays an important role in our day-to-day
environmental problems."**

An interview with: Dr. rer. nat. Wolfgang Ludwig, PhD (Physics)

"Water" as a topic is far too extensive to be analyzed in a short interview. Setting aside the general chemical problems (concentration of nitrates, acid rain etc.), we have therefore picked one of the most important aspects of drinking water which has not been paid much attention to date.

Whereas, legal regulations stipulate the limits for the maximum permissible chemical load, and ensure that these are monitored, the physical side, which is more important, is still being ignored. Yet new on-going discoveries and the latest scientific research have found out much more than one can imagine about this mysterious liquid we call water.

We interviewed Dr. W. Ludwig on the topic of life cycles and water. The well-known physicist who published the book "Water - Polarity Phenomena: The Transfer of Information - A Remedy to Life" is also a consultant at the "Tempel University" in Philadelphia as well as at the "World Research Foundation", Los Angeles.

"Dr. Ludwig, you defined the thesis that water has a memory like an elephant. What is really meant by this comparison?"

Dr. Ludwig:

I meant the following: Water has the ability to store information at certain frequencies and to transfer such information to other systems, like living organisms. But before going into detail we have to remember some basic abilities of water. We know that 3/4 of our organism consists of water. We can survive several weeks without nutrition, but only a few days without water. Drinking polluted or contaminated water weakens our body over the years, creating a basis for sickness and poor health. Due to this danger, drinking water is treated with several chemical processes in order to eliminate as many pollutants as possible. But although the efficiency of this treatment is still under discussion, the latest developments show that, for example, the maximum limits for nitrates are harmless for adults yet can be very harmful for babies.

There is not even a general consensus on the chemical requirements which drinking water should fulfill.

For several years, research and investigations have been undertaken to clarify the reciprocal action of water and living organisms on a physical basis, specifically on the level of electromagnetic oscillations. Up until now we have not had safe, detailed information on these matters but if we manage to reproduce and confirm these results on a large scale this would have revolutionary consequences for public health.

You consider water as a carrier of certain information - what do you mean exactly? What results have been achieved by modern physics?

Dr. Ludwig:

What only a few people know so far is the following: when water is polluted with toxic agents (cadmium, nitrates, lead, etc.) - as is usually the case nowadays in our springs - it is cleaned chemically in water treatment plants in order to eliminate the chemicals and bacteria. But even after these procedures have been conducted, certain electro-magnetic oscillations can be measured - after careful analysis of these oscillations (frequencies)

they can be identified as having exactly the same oscillations of those toxic agents which had been chemically removed before.

This means that even after this treatment, the water molecules contain certain signals which, according to the frequency, can be empowering or harmful to our health. *This statement could have tremendous consequences: it simply means that our drinking water has health-damaging factors to a certain extent despite the chemical treatment and even though legal limits have not been exceeded.*

Does that actually mean that water polluted with heavy metals, although chemically cleaned, can transfer the harmful frequencies onto the human organism?

Dr. Ludwig:

This is exactly what it means. As we all know, specific electromagnetic frequencies from water polluted with heavy metals have also been detected in cancer cells. Let me mention the frequency 1.8 Hz, which is a very low frequency. This is the frequency of drinking water in a German city. I should point out that the water was distilled twice before we measured it. We came to the following conclusions: Even if water has been cleaned, or distilled, certain electromagnetic frequencies (i.e. from harmful substances) can still be found in the water molecules.

While our drinking water is chemically clean, on the physical side it is still polluted. It is not the chemical substance that influences the organism when we drink the water but the harmful frequencies.

Which frequencies are these? - and have these been proven?

Dr. Ludwig:

The harmful frequencies known so far are: 1.8 Hz and 5 Hz, while 1.2 Hz, 2.5 Hz and 10 Hz are useful frequencies, just like the naturally existing frequency of 7.8 Hz that is termed the 'Schuhmann-Waves' and which is known for its major influence on the human brain. 5 Hz is also known as the aversion frequency because it makes many people feel nauseous.

Certainly, so far we know of very few frequencies that have actually been proved to be harmful. Another well-known example is the normal quartz watch frequency which is 32.5 kilohertz, and is harmful. But there are also quartz watches with a frequency of 1 megahertz that are far more expensive, but have no negative effects on the body while the normal quartz watches can cause health problems according to various doctors.

If it is known that water molecules can carry and transfer frequencies, is there a way to alter this?

Dr. Ludwig:

There are several ways to cope with this. Many developments are based on the water-whirling principle. We are all familiar with this principle from springs and rivers: Water is permanently whirled at curves and bends which means that it is not only chemically cleaned but also physically.

According to the modern "Chaos Theory" life starts on the borderline between chaos and order where certain turbulence exists, which simply means that swirling water is important for the development of living water.

One could remove harmful frequencies by using x-rays but that could cause toxic reactions. Another possibility is to magnetise water or to treat it with laser. But the easiest method discovered so far has been the whirl-water method. Various tests have shown that the harmful frequencies can be neutralised by a multi-whirling process. But if the water is not chemically cleaned, the harmful frequencies will re-appear.

If this theory is true, then so-called "healing waters" should have extremely positive electromagnetic frequencies?

Dr. Ludwig:

It is interesting to note that several tests of water from Lourdes and from the holy river Ganges and tests of many other holy waters have confirmed this theory. The Ganges water, although dirty, possesses an ideal spectrum, which means that it only has positive frequencies which are not harmful to us. The same is true for many other healing springs.

One quality-control method is the absorption of ultraviolet light by the water. The better the water quality the less the ultraviolet light is absorbed. The opposite is also true: The higher the absorption the worse the quality of the water. Here it is interesting to note that polluted water which has been chemically cleaned and filtered would still show a high absorption of UV light.

Is it technically possible to measure all electro magnetic frequencies in the water?

Dr. Ludwig:

There are several spectrometers that make this possible.

Let me draw your attention to another link with the phenomenon of life. Water is subject to a very complex process, but at the same time all life on earth is dependent on water. Water differs from other fluids in that it has a so-called "two-phase system".

Besides a non-organised part of the water molecule there is a highly organized phase, which is the crystallized fluid part, as its degree of organisation is equal to crystal. While the energetic links in the non-organised part (the normal fluid part) are very low, the energetic links in the crystallized fluid part are very high. This enables the linkage of several hundred water molecules.

These inter-molecular connections are called hydrogen bridges. Several such linkages result in a greater number of possible structures in the crystallized fluid phase of the water. This is a highly complex grid system.

The oscillatory capability of this grid system can be compared to a harp and in addition contains a large number of its own frequencies.

This frequency spectrum can be called the physical picture of the geometrical structure of the water and it changes characteristically in accordance with the process of life.

This method gives us a spectroscopic picture of the life process in water. In other words this means that in the future, water quality will not only be determined chemically but also spectroscopically.

Life processes are always connected to the physio-chemical reactions in the water and can therefore be measured. The water structure indicates the changing levels of water quality e.g. from drinkable to polluted. The difference in the photon spectrum between polluted water and living water is that the latter shows a very active exchange of photons with the environment, e.g. with organic cells which are in the water.

However, when water is mixed with toxic agents, such as lead, cadmium, or similar agents, the resonance characteristics change drastically resulting in a totally new spectrum. Each toxic agent possesses its own frequency which is transferred to the water when they come into contact with each other.

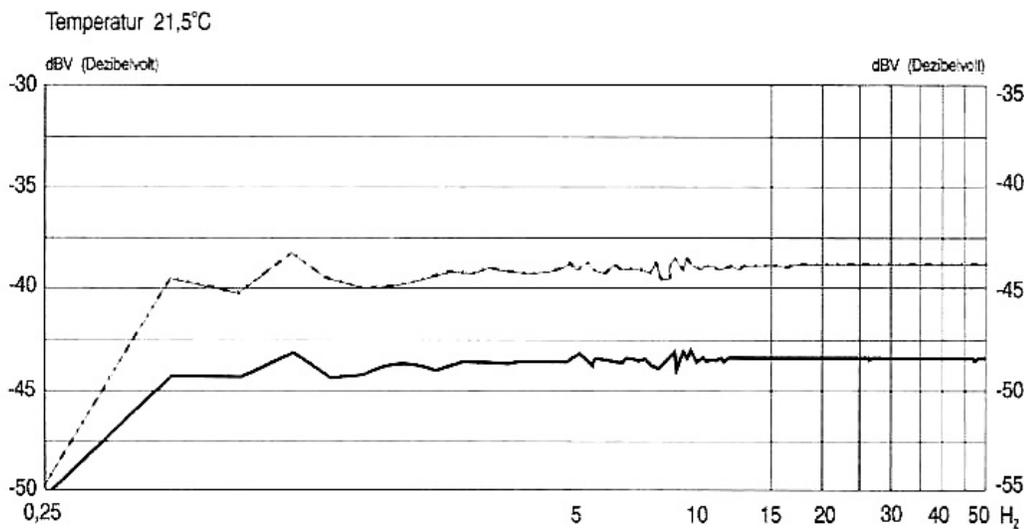
More accurate experiments on why this happens need to be done but the resonance theory seems to be very useful. Homeopathy has been using this principle for over 200 years without knowing the exact physical background.

Water, either mixed with salt or alcohol and shaken, allows the electromagnetic oscillations of the basic tincture to be transferred to the water. This is the reason why homeopathic substances are still effective even though they have been so highly diluted that not a single molecule of the basic substance could even be detected in the fluid.

I could prove the electromagnetic frequency in one of my experiments. The electromagnetic oscillations of a liquid in a closed ampoule which was floating in water were transferred to the water through the closed ampoule.

It is interesting to note that, using this principle, we can heal the organism by using exactly the opposite physical frequency, i.e. the sickening information in the organism is physically extinguished by using the exact counter-information which is found in homeopathic medicines. It is important to mention that this medicine does not cause any chemical change.

Phosphorus Pascoe on aqua dest., wireless transferred: resonance with 8.75 hertz, Temperature 21.5°C.



Isn't this principle also used in Bioresonance therapy?

Dr. Ludwig:

That is correct. We are still awaiting a similar principle that could extinguish pollutant frequencies in our drinking water. It is a fact that bioresonance therapy enables us to clean the human body of toxic agents which have been identified there. Adopting this principle, the counter frequency can be introduced into the body cells and used to expel the toxic agents. Despite the opinion of traditional doctors, we can even expel cadmium from the body (with the help of this principle).

Your theories imply that electromagnetic treatment of water not only diminishes the negative or harmful frequencies, but can also induce positive frequencies. Is this assumption right?

Dr. Ludwig:

Such experiments are already available. Indeed, I have personally conducted a couple. One experiment developed by Professor Smith in England was to treat a test subject with a frequency of 40 Hz for 15 minutes. When the water in his body cells was measured afterwards, it also showed a frequency of 40 Hz, and its multiple frequencies of 80 and 160 Hz were clearly detectable in the organism. On a similar basis, the

frequency of 50 Hz and its multiple frequencies of 100, 200, 400 Hz, etc. can be measured in the body cells of almost any person, as this is the frequency of our electrical network.

But, in order to answer your question, by using wireless magnetic fields, it is possible to transfer the frequencies of minerals, of colour and sound, and other useful frequencies in nature to the water in our body cells as well as normal water. Living water contains a high degree of reciprocally active quantas, which means that it absorbs biophotons and reflects them in a permanent process of exchange, just like the water from Lourdes or the Ganges.

Once water is polluted, it is dead. Even the best water-recycling plant cannot make it living again. It is useless from the energetic aspect. Biologically high-quality water has to contain certain frequencies if it should be useful to the body. But modern science is far from taking this phenomenon into consideration. Not to mention that our materialistic point of view only shows us a fraction of reality. The phenomenon of the reciprocal actions between material and biological systems has been well known for thousands of years. Although many scientists have not shown much interest so far, we know from radiostasy that there are places of high energy where certain plants grow which are not to be found anywhere else because of lower gamma rays than normal, but this is only one parameter out of a whole spectrum of factors which we do not know yet. It is a mistake to claim that we can explain all natural phenomena.

Our knowledge about the properties and influence of water on processes in living organisms is one area where we don't know very much at all. One thing is definite and that is that water should be examined with a detailed spectral analysis and one should change one's drinking water supply if it is biologically dead or polluted, not according to limit values laid down by governments, but in accordance with a spectrometer that covers all frequencies from 0 to megahertz. It would benefit environmental medicine to include the physical characteristics of water in its research and to set up special programmes to do so. The permanent discussion on limit values of water pollution would gain a very important new dimension namely the definition of living or harmful water. It is our responsibility not to look for new limit values but to look for ways and means of making our living better. This is not the case in materialistic theories.



Dr. Wolfgang Ludwig
PhD (Physics)