



## The Book

### [TOCIntro](#)

#### Chapters:

[123456789101112](#)

[13](#) [14151617181920](#)

[2122232425](#)

[A1A2A3](#) [A4A5A6BibKarl](#)

## [Vibrant Life Web](#)

### [Family Of Three Chelation](#)

#### [Formulas](#)

#### [Other VL Products](#)

#### [The Wednesday Letter](#)

#### [Frequently Asked Questions](#)

#### [Testimonials](#)

#### [Ingredients](#)

#### [Technical](#)

### [Use Separate Search Page or](#)

### [Separate Search Page](#)

or search below

## [Shopping Cart](#)



### [Navigation Help](#)

## [Write To Karl Loren](#)

## [Table Of Contents](#)

# The Power And Simplicity Of Water!

Viktor Schauberger

Water: The Magic source of Life,

Schauberger; The Amazing "Water Wizard"

Top

[ [PAGE ONE](#) ] [ [PAGE TWO](#) ] [ [PAGE THREE](#) ] [ [PAGE FOUR](#) ] [ [Implosion Technology](#) ]

Water is a mysterious substance, yet we take it for granted. It is the most misunderstood and most abused element on Earth. Its chemical formula is H<sub>2</sub>O but that isn't all there is to it. Water is alive. It is the lifeblood of the Earth. Water has its own living energy, and if water dies, our Earth dies with it. Water makes up 60 to 70% of our bodies. Minerals, proteins, sugars, and other substances dissolve in this water forming colloids, which carry a subtle electrical charge. Thus, water provides the electrical life force in all living things. Even dispersed into a fine mist, water continues to carry this vital life force, maintaining its potency and power. It is literally good to the last drop. Since water is alive, it continuously needs to regenerate itself by dewing in a spiral or vortex motion which we see in the shape of a tornado's funnel.

Water is the most potent in its densest state at a temperature of 4 degrees Celsius. Above or below this magic temperature, water loses its maximum strength and absorbent ability. In its most potent form in forests or mountain streams, water is near 4 degrees Celsius, but, as it heats up, it becomes stagnant and powerless. To be alive, water must be allowed, first, the freedom to flow in its characteristic spiral motion, and second, the freedom to approach its optimal cool temperature, of 4 degrees Celsius. The primary need of water to roll in a 3-dimensional vortex causes rivers to meander in a gentle to-and-fro motion. The water naturally swings to one bank of a river, turns, and moves across to the opposite bank, and then swings around again in a dancing rhythm of constant motion. Within every flowing stream, water constantly circles in small vortices called *eddies*. Water desires to coil itself up

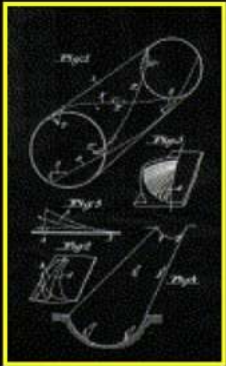


**and spin around an invisible internal shaft like a speeding wheel. The same movement is seen in the waves of the ocean, constantly rolling in spiral movements.**

**This rolling motion causes water to gather electrical force. As water moves across the Earth, it cools itself and increases its internal power. Water stores this potential energy within itself and then gives the energy freely to all-living things. Through this perpetual motion, water constantly exposes its "skin" to the air. Thus it constantly spins around upon itself like a whirling top.**

## **[Return To Top](#)**

**Just like a spinster spinning her thread, Mother Nature attempts to twist water into a thread of life, which then becomes a sparkling strand of living electricity. We see this electricity as glimmering threads of light in swift mountain streams, especially on cold moonlit nights. Victor Schauberger an Austrian forester and expert on water, demonstrated how running water has the capacity to excite and illuminate light bulbs using this principle inherent in water.**



**The centripetal, inward-directed movement of water causes it to become rejuvenated and creates the sucking action evident in a whirlpool. As the water accelerates more toward the center of the vortex, the electrical potential increases to very high levels. This concentrated power within water can become the power of future technology -- the vortex power of water.**

**The greatest damage that can be done to water is to straighten out its natural meandering. An example is the Rhine River, which was straightened, causing it to flow faster. Erosion resulted. Moreover, the eroded soil became toxic wherever it was deposited and thus could not be used for crop growth. When rivers are 'straightened', the water tends to die. The Danube River was "regulated" and forced to flow along man made channels causing the water to lose its ability to sustain life. In addition, the river level steadily dropped.**

**A more common way that we destroy water is by pumping it through straight pipes into our homes and offices. When healthy spring water is pumped by conventional centrifugal pumps under pressure, it rapidly loses its energy and electrical potential. It then becomes the breeding ground for microorganisms and bacteria which must be eradicated with toxic chemicals such as chlorine and fluorine. Unfortunately, the unwary American consumes this chemically treated, dead water. Furthermore, American farmers constantly pour tons of devitalized water onto their crops, stunting growth and vitality.**

*(Schauberger's design for a WOOD pipe, left, with vanes (Fig.5) attached inside of the pipe, to induce a vortex producing spiral motion.)*

**Human arrogance causes us to try to conquer Mother Nature rather than to learn from her. Luckily we can learn from her. We can regenerate water by swirling and coiling it in its**



**characteristic spiral motion It then undergoes a diamagnetic energy transformation and regains its electricity, its good tasted, and its life-giving power.**

**When water is brought to fields in canals and pipes that allow the water to flow in a natural meandering spiral fashion, crop fields have increased by 30 to 40%. Water thus delivered using the principle of vortex flow has turned salty marshes and sour swamps into productive sweet soils. If we do not make use of this knowledge, pollution will destroy water. Many aquifers and ground waters in America are now polluted. If we destroy water, we destroy ourselves. We must care for water and keep it alive simply because it is nonrenewable. No Life can exist on Earth without clean, healthy water. Therefore it is absolutely essential to keep water alive. Yet our current technology is almost exclusively built on the principle of exploding centrifugal forces which lead towards the destruction of Nature and eventually the death of Earth. The combustion engine in every car, bus, and truck is a perfect example of this principle. This engine is only one side of Nature's law of motion.**

### **[Return To Top](#)**

#### **The living water:**

**The other side is the up-building force contained in the principle of *implosion*; the centripetal, inward-directed movement which constantly renews life and supports growth. Living water is a constant rolling exchange of gravity and levity. The waves move rapidly, and yet the water remains relatively still. In this paradox is the magic of water and the life that it gives. It is this magic in water that causes its own natural purification. In Stockholm, there is a beautiful example of this process. Sewage treatment plants are located in a park where people walk, play and have picnics. Natures biological systems are at work treating the water. Microorganisms break down the organic matter which remains after the solid, non-biodegradable materials have been removed. A Similar process is to be used to treat the terribly polluted water of Providence, Rhode Island. As a result, 99 to 100% of the toxins are removed. Microorganisms in the roots of reeds in the water break down the organic matter. Sludge is aerated, and over 90% of the solids are reduced. The plants even eliminate some heavy metals by retaining these metals in the reed stalks. Vortex technology can be used to rebuild America's agriculture. The same destructive power of water that is demonstrated in tornadoes and hurricanes can now be harnessed for the service of all humanity. The power inherent in the cyclonic movement of water can become the source of unlimited power in our future technology.**

**We need to listen to the lesson Mother Nature shows us. If we learn from the natural movement of water, we will be able to save our ailing Earth. In water we can see not only the illness but also the cure if we are willing to learn the lessons Nature offers. The spiral vortex is reflected in every movement of the universe, from the shape of the galaxies, down through storm cloud formations, to the swirl of the human ear, the pumping of the heart, and the tremendous power in atomic and subatomic matter. The science of tomorrow will be based**



**on the principle of life - the principle of implosion and the geometry of the vortex. If we are willing to learn Mother Nature's lesson, water will again be honored as the magic source of life.**

**The air, the water, and the earth is going to be wasted. The damages can be seen everywhere. Contamination, poisoning, and plundering of the earth's raw-materials, all break down the life-processes and destroy the energy sources. Our forest's are dying. The food that we are eating is being destroyed. The quality of our lives is decreasing. This we can see daily. This is a fact well known to everyone, even to those who are "vampiring" nature and to the scientists who are "thinking one octave to low" regarding natures' way of functioning and do not see the large energy-crises that is emerging.**

**Living Energies, Biotechnique in practice for the first time:**

**By Viktor Schauberger**

**The family coat of arms for the von der Schauenburg family was a broken trunk with a savage hedge rose wreathing around. The family motto was: "Findus in silvis sientibus" (Faithful to the silent forests). Their castle once stood on Schauenberg. The last descendants of one of the last robber barons was caught in an ambush by the archbishop of Passau. The elder one was decapitated but the youngest was reprieved and exiled. Being the last of his family, he went into the vast primeval forests around Dreisselberg and settled down on the shore of Plöckensteinsee. Here he lived a life as a forester. From him the family Schauburger emerges, who during nearly one millennium have been foresters, fishermen and woodsmen. They had their faith in the church doctrines, as they served the crosier for a millennium, and even less, had science as their belief. They only trusted in what they saw with their own eyes and felt with their born intuition. Most of all, they knew the healing forces of water and understood how to use peculiarly shaped water-channels, which only worked during the cold night, in order to create a greater harvest than their neighbors. However, their main interests was to care for the forest and its wildlife. Many times, flooding uncovered the strange water-constructions that they built in the mountain creeks for the purpose of floating timber. These constructions forced the water to bend in peculiarly shaped curves, in spiral looking or "snake" shaped movements. Of course, the term "cycloid space-curve movements" was unknown to them, but strange enough, they used the essence of this term so skilled, that the shaping made the channels work rhythmically so the water and the logs got a tremendous "schwung" so it sometimes passed upwards, as to making fun of the law of gravity...**

**"From my early childhood, it was my highest wish to be a forester, as my father, grandfather, and in fact, all my ancestors had been. When I was received by an elder forester as an assistant in his domain, my dreams came true in a way that I had not been able to paint in my dreams. Replacing the elder forester, I got my own hunting domain after the**



**WW I. It was the most distant, but therefore, also the best, regarding hunting. As my nearest manager treated me in a patronizing way, our relation was not the best, but instead, the landlord's (Fürst Von Schunburg-Lipped) confidence for me hastily increased. When he got married, shortly after, I won one more favorer - his bride - the extremely beautiful young Princess, as I, on her birthday, managed it so that she was able to shoot a mighty twelve spine stag. In the hunting-grounds, the Princess confided that her husband was close to loosing his estates, because of the changes that the War had brought. He had lost a lot of his prosperity and could only keep his estates if his economy could increase. Before this, I had already brought a plan to the estate management that would have saved the costs of the timber transports by 90 %. But this plan was rejected as unrealistic. The management said that according to Archimedes's law, timber from oak and beech could not be floated as it is heavier than water."**

**"However, the princess came from an open-minded family and did know of my plan. She had a feeling that this plan could save the large domain. She had also learned about the attempt to bribe me, for the purpose of making me not realize my plan. The bribe had come from the company that bought the timber "on root" from the Prince. Suddenly she asked me: "how much did they offer you"? I answered: " three times my annually wages". She abruptly stopped and asked again: "How much could be saved if your construction would be realized"? "Today the transport cost of one cubic meter of timber is 12 Schilling. We fell 30,000 cubic meters per year. This will be about 360,000 Schilling. How much would one cubic meter cost with your construction?" I answered, "1 Schilling, plus the pay off." In his domain, the prince had to make a yearly investment of 80,000 Schillings, and soon she had counted how much could be saved. "OK", she said, "lets do it". I asked for complete freedom in my work and overtook the full responsibility, and the princess kept her promises. At this time I had no idea of the risk I took. But, I was lucky, even in the most critical moments. During one of these moments I was able to make an observation whose enormous impact I realized many years after."**

**"The construction was completed in 4 months. The huge timber logs laid ready on the store place. One day, I did a simple test. One medium heavy log was placed in the entrance of the channel. It floated about 100 meters and laid "dead" on the bottom. The after-coming water flooded over. Immediately I saw all scornful and malicious faces in the front of me. I realized the full consequences of my failure and was furious. I removed the log from the channel. The diagnoses was clear: not enough of water and too much fall. I had no idea of what to do. At first, I sent away my working staff to be able to think in peace."**

**[Return To Top](#)**



"The shaping of the curves was all-right; no doubt about that. But, why did the construction not work, as I had thought? ( *Timber flotation installation in Neuberg an der Mürz/Styria, right*) I walked along the channel slowly and finally I came down to the gathering and sorting dam which formed the entrance to a new channel. The dam was full of water. I sat down on a rock and overlooked the water surface. Suddenly, I felt a movement under my leather-trousers. I stepped back and saw a snake that had been laying there when I sat down. I threw it in the dam where it immediately swam to the shore and tried to get up. But the rock wall was steep, and the snake searched for a better place to land. When the snake crossed the dam, I looked at it. Then a thought crossed my mind: how is it possible for the snake to swim so fast without any fins? Quickly, I got my binoculars and observed the snake's strange winding movements in the crystal clear water. The snake reached the opposite shore and landed. I stood petrified for a while when I repeated every change in the snakes movement under the water. It was a combination of vertical and horizontal curves. The process of the movements struck my mind like a bolt of lightning!"



"One hour later, I was by my men in their lodge, where they were cooking dinner. Resolute, I gave my orders: "Get ready at once. Three men go to the saw mill and request a truck from the management and then bring 300 roof battens made of larch to the entrance of the channel!" The men looked strangely at me. A foreman from Tyrolean asked me: "what will you use these for"? I cut him off with: "do as you are told !" I took the master of construction with me to the entrance of the channel. I said to him: "You will get double paid if you, if necessary, work all through the night nailing these roof battens to the channel as I show you!" The master shrugged his shoulders and nodded in consent. After a couple of hours, the truck with the roof battens arrived. All night the beating of the hammers sounded. Carefully I monitored the opposite curves that the roof battens should form in the channel in order to force the water into a movement like the one that the snake had done."

"Arriving at my home at midnight, I found a letter from the Super Forest Officer telling me, that next day, around 10 o'clock, the Prince and his Princess, along with some experts and branch people, would be present to overlook the first test. While calculating, I slowly laid the letter aside. The men could be ready about 8 or 9 in the morning, if they worked all night with all their powers. I took my alp-stick and my rifle, and, after one hour I arrived at the working place. Far away, I heard the beating sound of hammers and saw the light from the truck. "When will you be ready?" I shouted. The master of construction guessed around 9 in the morning. I promised everybody three times their wages if they could be ready by 8:00 AM. They made it by half past 7. I said to the men: "Take your breakfast and be at the entrance at half past 9". There we have one more hour of work to complete, and then you will have one day of resting, double paid! The master told me to take a break before I fell down. But, I rejected him with a gesture and went to the entrance. There I waited until my men came back, and, shortly after, the Prince, his Princess, some of my worst opponents, and the experts and branch people arrived. I saluted the Prince and his Princess and the



**Super Forest Officer; the rest I ignored. The princess looked worried for me. Leaning against a pole, stood the old Transport Master wearing a patronizing smile on his lips."**

**"I told the men to open the flood gate. Behind the gate, my men put smaller logs into the water. But when they tried to hide away one heavy, 1 yard thick log, the old transport master suddenly said: "well, well that heavy log should be in it too"! I waved at the men, and, slowly the heavy log came closer to the entrance. The log flooded the flume and the water slowly rose; no one said a word. Everybody stood and stared at the log which rose along with the water. In the next moment, the channel would have been over flooded. Then, a gurgling sound was heard and the heavy log first turned to the right and then a little to the left. After this, it wound as a snake with its front part high above the water, and then it darted away on top of the water."**

**"Everyone stood staring in amazement after the log had gone. Finally, the old channel master spit into the channel and caught with a hooked index finger his old quid out from his toothless mouth and through it into the channel. He muttered: "kiss my ass, it really worked"! The Prince, who did not hear what he said, wondered what he did say. I stammered something to the Prince that he had cited something from Götz von Berlichingen."**

**" "Well, then it is working", the Master Forester Officer said. I shortly said good-bye and disappeared into the wood with my alp-stick and my rifle. As soon as I was out of sight I sat down on a stone and dried my cold sweat from my forehead. Once, but never again, I thought. If I had not seen that snake, my life would have been gone."**

**"After a couple of days, I was appointed as the Master of the whole forest and hunting domain. Later on, they where coming from all over the world; experts, branch people, and also, ministers. Shortly after, I was noticed by the agriculture department in Wien. Then a struggle started that still is going on. Often, it has taken the most unpleasant forms. I will probably never have any kind of peace since the day I promised the princess to build that floating channel." *Viktor Schauberger's British Patent: Water Conduit.***

**"Galilee discovered the movement of the earth. The church and the scientific world was outrageous. The pope threaten the discoverer by excommunicate him. Bishops and other high masters tormented him with long processes. Finally, hardly pressed by his colleagues, he was forced to reject his discovery. But, his last word was "even then, she moves", just before he died. But I was not thinking about Galilee, Archimedes, Meyer, Newton, Pythagoras or other discoverers of the laws of nature. I was only studying these logs and other matter that was heavier than water, which, during special circumstances, could swing like fishes in the water. I also studied the places where they floated straight up. Places where over powered thrust forces work and where these logs went to the bottom and came to rest."**

**"The snake, who was making such strange movements in the water, displayed the double twisted movement and helped me with my great success. One hundred thousand of the**



**heaviest logs have followed the first one, as it was no difference in their density. Now I understand why my ancestors constructed their floating channels the way they did."**

**"The final preparations of the construction was nearly sabotaged by the Super Forester Officer, who promptly showed his superiority. Supported by the political leader of the forest department, he came to our working place and forbade all work and destroyed my carefully made schedule. I was forced to show my ideas and plans to a commission that was composed of hostile higher Forest Officials, monitored by the Domain Intendant."**

### **[Return To Top](#)**

**"The "masters" declared that a 19 yard high catch-dam would not manage to stand the pressure from the water. They declared that if it would break, the flood would make enormous damages to the villages down below. I saw and heard the hostile and ruthless attitude at the commission. However, I had early learnt about the commission and been able to make some preparations. The reason why the commission was put together was that they wanted to see my fall."**

**"Therefore, I did not answer the Intendant but calmly walked down the stairs to the dam, took my rifle and shot two shots up towards the stream. This was the signal to the man that was posted along with the upper dam to open the great flood gate and let the huge amount of water rush down the furrow to the place where I stood. These men were faithful to me, but, the commission thought that I had gone mad shooting two live shots in the air. They ordered me to lay down my rifle and to get up to the plateau where the members of the commission stood wildly gesticulating."**

**"Then, a tremendous roaring came closer. I pointed up along the stream and around the closest bend, a 6 yard high brown wall of water full of whirling logs came rushing. "For Gods sake come up here immediately!" the Intendant yelled. The members of the commission waived crazily their arms and shouted exited into each others mouth. This behavior seemed quite mad from my point of view. After a short side view on these confused people I bent over the apparently weak dam wall and studied, very interestingly, the forward rushing mass of water, which, in a short time would hit the wall on which I was standing."**

**"This was what the members of the commission thought, who stood on the plateau holding their breath. But the masses of water did not act this way. Instead, they came as a weak breaker, turned around, and rushed with a tremendous force against the later incoming water. In this way, the two waves hit together, breaking each others force, while the logs raised straight up and even jumped as salmons high above the whirling water. The dam, which contained 1 million cubic meters of water, was filled in a short time and the dam wall stood easily where it has been placed. The man who opened the flood gate emerged. He did not give a single glimpse to the crowd that was standing on the plateau, but leaped down the stairs asking: "well...did it work?" I nodded shortly, reloaded my rifle, and slowly walked up**



the stairs. "Now you had more luck than sense !" the Intendment said. I measured him top to toe with my gaze and said: "Mr. Intendment, I think the weak sense is to be found somewhere else!" Then I left him. The other "masters" followed silently talking about the event. When they were ready, the Intendant called for me and informed me that the dam should be carefully measured and tested by a consulting firm from Wien. Even though the dam had held, it is surely not strong enough, he said. These gentlemen came after a week. Their result after measuring and testing, was, that the dam was twelve times stronger than it had to be, because of the skilled construction."

"I demonstrated once more the filling of the dam for these gentlemen, who in spite of careful calculations, could not explain how the dam worked. I made them notice the way the water hit the wall of the dam and how the opposing wave did, in fact, break down the after-coming main wave. I got the idea for the dam's profile from a hens egg, not from some kind of technical university!" *Viktor Schaubberger*

"Nature as a master of knowledge", by Viktor Schaubberger:

Everywhere in the nature, movement is created through differences in temperature and tension. In the cross sections of these the basic and natural forces of life are created. Natural events that has been untouched by human hands gives us the clue how to shape a new kind of technique. To do this, a good power of observation is needed. We must be able to understand the nature in order to copy the natures moving processes. As a master of the wild life in a distant forest domain which hardly could have been visited by humans, I was able to do the following observations, and these lead to the implosion technique.

In Hetzau below the Ring, Die Ödeseen (The Desolated Lakes) are situated. After a long period of hot weather, they start to "bühlen" (bellow), as the local people name the thundering sound that emerges from the lakes at the same time, tornadoes of water, high as houses, rises from the center of the lake.

The following is an attempt to describe what I experienced: One hot summer day I sat by the shore and was just thinking of taking a cooling swim in the lake. At the moment I was going to do it, I noticed that the water of the lake started to twist into strange spiral shaped curves. Trees that had fallen into the lake moved from the shore and started to do a spiral shaped "dance" in a centripetal movement towards the center of the lake. Coming into the center, they suddenly erected vertically and were sucked into the deep with such force that their bark was peeled from them. Just like a person that is lifted up in the air by a cyclone and then falls down without any clothes. However, these trees never came up again.

The lake was calm for a short time, as it was satisfied with its pray. But this calm was an ominous waiting for the next event. Suddenly a rumbling sound was heard from the bottom of the lake. At once a tornado of water, high as a house erected form the center of the lake and a thundering sound was heard when the grail shaped water column stood up. Then the



column fell down, with waves swallowing against the shore and I had to run away when the water edge abruptly raised. What I had experienced was the primeval birth of water; renewal of water in a lake without any inflow. I had now started to understand, but still had a lot to learn. One more event helped me to fully understand this interesting question. As a young forest assistant, I used to row in a handy boat on a mountain lake that was situated close to our cabin. I was fishing and hunting ducks among other wild animals. My greatest wish was to be able to shoot a mighty sea-eagle. There was one coming every evening and circulated in peculiar ways over the lake. At the right moment, it let itself fall like a stone and the next moment while flying away, it had a big fish in its claws.

The biggest enigma was how the eagle always could catch live fish without diving into the water. The fish never came up to the surface. It took a long time before I was able to solve the riddle. I must really make a careful observation of the hunter and his pray, I thought. On a nearby rock, I found an old spruce, strong enough to carry me. One day I sat hidden in the spruce, armed with my binoculars, and was able to study every movement of the eagle and the fish which swam around in the water.

### [Return To Top](#)

As always, he came at he exact moment, first flying close to the water's surface with a mighty cry and remarkable strong wing beats. It was as if he wanted to announce to his victims that he was here and wanted his tribute. Then the eagle rose nearly vertical in a spiral winding movement, now and then controlling its flight with a beat of its wings, making the spiral more and more close. Then, he let himself fall like a stone with his wings close to his body. Just above the water, he braked. Suddenly, there was a struggling fish in his claws. Heavily loaded, he flew, turning against the woods and was gone.

Logically, the most interesting thing was the behavior of the eagle. I forgot to watch the fish, who, apparently safe, swam around in a reasonable depth. But the next time, I also studied their behavior. The eagle came and flew its well known close spirals. What I now saw, was so incredible that I almost fell into the water. Unconsciously I imitated the movements of the fish when they completely copied the eagle's spiraling movements upwards. As thread on a string, they came swimming up against the surface, and as the eagle, making the spiral more and more closer until those who where in the center were pushed up above the surface. Then the shadow from the eagle came, a small whirl was seen, and he had one of the biggest fish in his claws and then sailed away. As soon as I had the opportunity, I studied this drama and was always so surprised that I almost got hypnotized by the movements of the fish..

The articles were taken in part from IMPLOSION magazine, article number 7.

### [Return To Top](#)

## THE POWER OF WATER



## [Return To Top](#)

### **Are Its Secrets the Keys to Solving Today's Most Vexing Problems?**

**By Jeane Manning in Atlantis Rising, No 19, 1999 (reproduced here with the kind permission of Atlantis Rising)**

**Our thinking apparatus runs on water. Our physical bodies are two-thirds water, so obviously its qualities can heal or harm us. We now learn that water seems to remember and later convey "information". No wonder the most dynamic frontier in science today is water research. Or is it a re-search, I wondered, after encountering researchers who:**

- a. show how neuroscience tends to confirm medieval concepts situating memory, imagination and reason in water-filled cavities of the brain.**
- b. experiment with transferring, from water to us, the life-force energy chi, also called "prana" down through the ages, or**
- c. study specially-shaped water pipes used by ancient Minoan culture in Crete; or**
- d. show how the emanations from healers' hands change water.**
- e. measure physical qualities of "holy water," or effects of conscious intent upon water's crystalline structure, or**
- f. build prototype inventions aimed at using water as a source of energy.**

**Some study the big picture, such as the claim that rivers self-organize and energetically recharge themselves through spinning motions. And some point out the well-known anomalies that water is densest at 4 degrees Celsius (=39F), and strangely expands when cooled further, so that its solid state floats on top of its liquid state. Water as the "universal solvent" melds with nearly any element. Hydrogen, the main ingredient in water, is spread throughout galaxies, and ice is found in dust clouds in outer space.**

**The picture of water that emerges is what Marilyn Ferguson in her book Aquarian Conspiracy calls "the strangest stuff around." Learning about the mysteries of water evokes a primal fore-knowing, like a racial memory, perhaps pro-science, something we have known for a very long time.**

**Before our materialistic age lost the abilities to sense subtle "energetics", water was central to sacred rituals and symbols: Baptism, The holy river, Spiritual visions of the Ocean of Love, Myths of the flood or of creation, Drinking of sacred waters when visiting an oracle or a shrine. The Sumerian goddess Inanna had a vase in place of a heart, from which flowed miraculous water. The Bronze Age civilization of King Minos at his city of Knossos on the island of Crete apparently lived by the principle that water should be returned to the earth in**



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the same conditions it was when it was borrowed, treating all water as holy. Our era in contrast treats rivers and oceans as dumping grounds, and we face shortages of drinkable water. Dr. Karl Maret predicts that water will become the currency in the new century. Meanwhile researchers of water mysteries struggle for funding.

Ferguson notes: "The quest to understand water hasn't summoned up the capital and glamour of space research, although it may have more direct bearing on our lives. While humans burn rain forests and alter other factors that kept our habitat moist, we should remember the nagging suspicion that Mars was once a watery planet."

### Let Water Move, Keep it Cool

#### [Return To Top](#)

We've had ample warnings. Austrian forest warden Viktor Schaubberger (1885-1958) warned about wastelands that did and would appear on our planet when vast forests disappear. He observed the interaction between water and forest, such as the vitality of cold, pure water in tree-sheltered streams. He admonished: "Comprehend nature, then copy nature." He taught that water is a living rhythmic substance. In maturity, it gives of itself to everything needing life. However, water can become diseased through incorrect handling. Dying water harms animals, plants, and fish.

Whether stilled by a dam or a bottle, stagnant and warm waters begin to deteriorate. Conversely, at a cool 4 degrees Celsius (39F), moving water is densest, strongest and at its best carrying capacity. Wild rivers have inherent self-control mechanisms, if left alone to establish their own homeostasis, that is if kept cool with natural overhanging vegetation and allowed to meander around bends and therefore be lively with purposeful swirling motion. Shortsighted human engineering, clear-cut forests, mega-project dams, and rivers confined into canals all tamper with the circulatory system of our planet. Having interfered with the hydrological cycle, we reap floods, droughts, and other extremes of weather.

Olaf Alexandersson, in his book "Living Water" introduces Schaubberger's insight into river management, water-fueled devices and energy. Its successor is the book by Callum Coats, "Living Energies", that could be the textbook for a new eco-technology, to construct or encourage processes which don't fight nature but instead work in harmony. Coats researched for two decades into Schaubberger's discoveries from forestry to flood control to soil fertility and water purification. Hydrologists could learn by reading this book how crucial the small variations are in a river's temperature, and how water's spinning motion recharges it with subtle energies.

### Water Power without Dams

The naturalist's warning echoes across the decades, "Prevailing technology uses the wrong form of motions." Twentieth-century machines leave behind waste products because their



processes use the destructive half of nature's creation/destruction cycle, the centrifugal outward moving motions of heating, burning, pushing, radiating or explosion. They channel air, water and fuels into the type of motion which nature uses to decompose matter. Schauberger observed that the centripetal inward-spiraling force is the creative, cooling, sucking motion without friction, which results in increased order instead of destruction. He applied his understanding of cycloid spiral motion to a wide range of inventions; methods that are in harmony with nature's creative motion.

This "water magician" found solutions for agriculture, for energy generation, as well as transporting water in pipes that encourage the inward-spiraling motion of water. Today's researchers follow and expand on Schauberger's earlier knowledge.

For instance, the Swedish Malmo group use the phrase "self-organizing flow" to describe what they are creating, since Schauberger's technology made use of the natural orderliness spontaneously created by a system under the correct conditions. Meanwhile, new energy-generating processes, such as Randall Mills' Black Light Power, convert ordinary water into hydrogen and oxygen. Paul Pantone of Utah runs engines on water mixed with waste substances, and the air that comes out the exhaust pipe won't dirty-a white handkerchief held at the end of the pipe.

About a century ago, John Worrell Keely figured out how to run a motor on the power of cavitation or implosion, while alternately compressing and expanding water. He harnessed that which we dismiss as a nuisance- the water hammer- in water pipes. Dale Pond, researcher of Keely's physics, says that Keely's Hydro-Vacuo motor created a water hammer shock wave, which, when synchronized with the wave's echo, "results in Amplitude Additive Synthesis, a process which tremendously increased energy accumulations in quick order." Pond warns that this resonance amplification is similar to the process which breaks wine glasses.

As a very interesting tangent to this, I took a hard look at a wonderful man's "water powered" invention - called "Whirlpower" and it holds great promise for a new energy source - a non-polluting energy source. Mr. David Dennard (May God bless his soul) has passed on from us, however, his work in water powered energy - Whirlpower - lives on. Please see the page I have prepared from his original work. Used by permission. WHIRLPOWER.

## Liquid Memory, Do We Really Know Water?

At Water-science conferences which this journalist attended in recent years such as the one at Seniamhoo Resort, WA, Nov. '98 (funded by Living Water International); a privately funded '97 meeting in Los Angeles organized by Linda McClain; and the Institute of Advanced Water Sciences (AWS) symposium the previous year in Dallas, TX the one fact that emerged was that water is not a single homogeneous product of nature.



**Water in living cells has unique structure, and clusters of its molecules have organized relationships. Another factor is what Schauberger called the "immature taker" vs. "life-giving mature" water. Since water without minerals is a relentless solvent, if we could distill 100% of impurities out of a batch of water, it would be dangerous to drink, leaching minerals from our bones.**

**Then there's the movement-vitality factor. Stagnant, bottled water, even though chemically clear, is dead compared to water in the rushing brooks. But it has to be proper movement. As water is pushed through cities in the unnatural confines of metal pipes, its energetic oscillations interfere, and the natural order in water's structure is canceled.' How do we know this? For one, German engineer Theodor Schwenk and his Institute for Flow Science, developed a technique for photographing the internal structure of water. In drops of water taken near pristine springs, a symmetric Rosetta pattern was revealed. On the other hand, the internal structure of damaged municipal water is chaotic. Chemical contaminants and electromagnetic pollution compound the damage and cause chaotic clustering of water molecules. These meetings wrestled with questions such as whether 'living water' is an organized state of matter and energy, and capable of storing and transmitting information. If so, the implications go beyond homeopathy and 'energy medicine' and into the interaction between water and consciousness.**

**Dr. David Schweitzer, grandson of Albert Schweitzer, is the first scientist to photograph the effects of thoughts, captured in water. This shows that water can act as a liquid memory system capable of storing information. David Schweitzer first stepped into this trail by becoming an authority on blood analysis. He learned that blood cells express themselves in sacred geometry and their harmonious shapes and colors. Since blood cells hang out in water, he looked farther into that substance for answers about our thinking processes. After ten years of observing blood, in 1996 he made the discovery which opened the door to photographing the stored frequencies in homeopathic and natural remedies and to researching the impact of positive or negative thoughts on bodily fluids.**

**"Having studied the relationship between the brain, cells and emotions," he told Joseph Duggan in Vancouver, "I came to realize that certain trace elements were needed to send information from one area of the brain to another." Minerals alone could not convey information. To find out if the carrier was water itself, Dr. Schweitzer experimented. French scientist Jacques Benveniste had already shed light on the memory of water in homeopathy. He and a dozen other scientists demonstrated that water can retain a memory of molecules it once contained. Nature magazine in 1988 published their experiments showing that if water containing antibodies was diluted repeatedly until it no longer contained a single molecule of antibody, immune cells still respond to the water. The publication drew outrage from orthodox professors, and the magazine later sent a team to Benveniste's laboratory including the magician James Randi and Walter Stewart, a self-appointed investigator of scientific fraud. The team judged the French scientists' results to be a "delusion." However, a recent book by Michel Schiff gave the glider of Benveniste was the delusion.**



**BOOK BY MICHEL SCHMIT SAYS THE SLANDER OF BENVENISTE WAS THE DELUSION.**

**Dr. Schweitzer says, aspects of the homeopathic research couldn't be measured by the investigators' instruments. The witch hunt in France didn't stop him from radical thinking. He remembered Albert Einstein's idea that particulate "light bodies" act in ways we don't yet understand. Waking up one morning with insight on how to make these bodies visible, Schweitzer began working on a fluorescent microscope at a certain light intensity. He wanted to see somatids change in response to thought and other influences. Just before the water on the microscope slides evaporated, he saw certain formations develop "dependent on the thoughts or energy atmosphere it had been impregnated with." I observed that this cluster could be modified at will." Further work showed that microscopic light bodies in the water intensify in the presence of positive thoughts. They shine brightly if thoughts are backed up by emotion, and it makes a big difference whether the emotions are negative or positive.**

**Intrigued by the tiny light-bodies, he tested holy waters of religious faiths, from Italy, Russia, Yugoslavia and North America and saw somatids floating even after years of being bottled on shelves. "This means there is an ideal balance when somatids never touch,' each other, which gives them the greatest capacity to store information." But when he studied homeopathic remedies, careful storage of energy medicine is crucial. French immunologist Jacques Benveniste had learned that electronic circuits can impress lasting information upon water, and low-frequency electromagnetic radiation and heat destroy homeopathic strength. Further, Dr. Schweitzer has a warning about purified water we buy in clear plastic bottles that have been exposed to fluorescent lighting. When we drink only this water, our lips dry out and become chapped and cracked. "Normally, drinking water does not dry out the mouth, but fluorescent lighting changes the structure of water such that it dries out the mucous membranes."**

**Randy Ziesenus, of Edmund, Oklahoma, says anyone can personally improve the water they use. "It's amazing what happens when you take a glass of water and hold it between the palms of your hands and ask your higher Self to work with that water and whatever you need for your highest good. And then drink it; incredible what that little (ritual) does." Ziesenus is president of Bio-Com, a company that specializes in the development of biotechnology using radio-frequencies (RF) to alter water's bonding structure. 'He says "if you drink water that's harmonious to the human body, water will pass through the body within ten to 15 minutes. Then you've got to go to the restroom. The (harmonious) water will carry out toxins."**

**One of his inventions condenses water from air." That's one of the biggest things I've been working on by using frequencies to draw moisture out of air." He and researchers from Los Alamos National Laboratory are working on " a program where you can take a photocell device, put it out in the desert, and it will make a gallon of water overnight." The unit is powered by photovoltaic (electricity from sunlight). Ziesenus agrees with Dr. Scheitzer's claim that our AC electricity leaves a harmful imprint on water.**

**At the Living Water conference, professor emeritus William Tiller quietly obliterated the**



At the 1996 Water Conference, Professor Emeritus William Tiller quickly overturned the conventional view that humans cannot meaningfully interact with their experiments, "Conventional science would even more emphatically state that specific human intentions could not be focused into a simple electronic device, which is then used to meaningfully influence an experiment in accord with the specific intention. We have made a valid test and found conventional science conclusion to be in serious error." In his work Dr. Tiller describes the people who are capable of sustaining high-coherence in intentions as "imprinters." They, for example, sit around the table while putting out the intention "to activate the indwelling consciousness of the system" so that the pH of the experimental, water increased or decreased significantly compared to the control. It did. How does he explain this?

The theory used by Tiller and co-researcher Walter Dibble, Jr., is multidimensional. These scientists see water as a special material, "well suited for information/energy transfer from this frequency domain into our conventional domain of cognition, the physical." Regarding the factor of mental capability of whether imprinters know enough science to visualize changes in pH, Dr. Tiller said, "the unseen intelligence of the universe is an even more important factor." Later he added, "in my view it is the spark of Spirit in the cells that give rise to the life force."

Another scientist at that meeting, Dr. Glen Rein, points out, that physicists know about the existence of energy fields with properties, which are not explained by classical equations. He refers to the non-classical fields as quantum fields. Rein's work again shows that this non-electromagnetic energy-information from the primordial vacuum of space- can be stored in water and can later communicate with living cells.

Perhaps Viktor Schauberger's most startling observation was that subtle qualities of water can affect humans mentally and spiritually, either revitalization or deterioration of society. Dr. Thomas Narvaez has proven to his own satisfaction that a vitality factor exists and can be increased or decreased in water by human activity." We now see that our thoughts not only affect our own bodies, but also the bodies of those around us. Members of this group (speaking to the Institute of Advanced Water Sciences, in 1996 ) who bottled water or who worked with broadcasted energies like crystals or magnets therefore have a responsibility to keep our view of the world upbeat and positive."

Are you starting to get a more clear picture of the forces involved in "plain old water?" Viktor Schauberger gave us most of the clues needed to truly unlock its secrets. Let's move onward and discover some of the secrets inside of Viktor's inventions...let's see what we can make of the "Repulsine" and the "implosion machine"...get ready for some surprises.

[Return To Top](#)



Victor Schaubberger,

## Time-Line Biography:

- 1885 Viktor Schaubberger was born on June 6th in Holzschlag, Mühlviertel region, in Upper Austria.
- 1914 Shortly after the birth of his son Walter he was called up for military service (First World War 1914-1918).
- 1919 Junior forest warden, senior forest warden, game keeper;
- 1920 - 24 head warden of the forest and hunting territories in Brunnenthal/Steierling, district of Kirchdorf/Krems in Upper Austria, under Prince Adolf von Schaumburg-Lippe.
- 1922 Schaubberger designs and builds timber flotation installations in Steierling, based on his observations of nature. Reduces logging costs to one tenth. Promotion to "Wildmeister".
- 1924 Imperial adviser on timber flotation installations
- 1926 Timber flotation installation in Neuberg an der Mürz/Styria
- 1928 Construction of further flotation installations in Austria, Yugoslavia and Bavaria.
- 1929 First applications for patents in the fields of water engineering and turbine construction.
- 1930 Film "Carrying Water" (Tragendes Wasser) about the log flumes in Neuberg.
- 1931 Experiments with extracting electrical energy directly from water (Water Capillary Research)
- 1932 Production of Pure Water; fuel production from water.
- 1933 Publication of his first and only book "Unsere Sinnlose Arbeit" ("Our Senseless Toil") in Vienna.
- 1934 Meeting with Hitler, discussion about fundamental principles of agriculture, forestry and water engineering. Schaubberger refuses to work for the German Reich.
- 1935 Application for two patents: "air turbine"; "procedure for lifting liquids and gases".
- 1937 The "warmth-cold machine", constructed for Siemens, melts in an unauthorized test run.
- 1938 He instructs his son Walter to repeat the Water Capillary Research (Lord Kelvin's Falling Water Experiment): A voltage of up to 20.000 volt is achieved.
- 1940 Construction of the "Repulsine" in Vienna
- 1941 An intrigue caused by the Viennese Association of Engineers resulted in Schaubberger's enforced confinement in a mental hospital in Mauer-Öhling and in continuous observation by the SS. In Augsburg, Schaubberger works with Messerschmidt on engine cooling systems. Correspondence with designer Heinkel about aircraft engines.
- 1942 Start of the "Repulsine" which shattered to pieces on setting it in motion
- 1943 Further development of the "Repulsine". The aim is to develop a submarine engine.
- 1944 Continuous development of the "Repulsator" at a Technical College of Engineering at Rosenhügel in Vienna.
- 1945 Schaubberger starts to work on his "Klimator". After the end of the war, observation of his work by the American occupying forces and confiscation of all his devices and materials. Transfer to Leonstein in Upper Austria.
- 1947 Construction of further "water refining apparatus" in Salzburg.
- 1948 Co-operation with the company Rosenberger in Salzburg concerning the production of apparatus for soil cultivation ("Golden Plough"). Schaubberger invents the "Spiral Plough".
- 1950 Taking out patent on "Apparatus for soil cultivation made of copper".
- 1952 Tests with "spiral pipes" at the Technical College in Stuttgart. Schaubberger proves his theory that different materials used in pipes influence the friction of the various fluids. Further tests with copper ploughs by the agricultural research institute in Linz.
- 1954 Development of the "suction spiral", the centrepiece of the so-called Heimkraftwerk ("Home Power



Generator") which was demolished during the first test run due to regulatory failure.

- 1955 Publication of the book "Implosion statt Explosion" ("Implosion instead of Explosion") by Leopold Brandstätter.
- 1957 Co-operation with the company Swarovski from Tyrol. Construction of more Home Power Generators. Problems regulating the number of revs can't be solved.
- 1958 An American consortium offers financial means for practical experiments with **"Implosion Energy"**. Visit to Texas with his son Walter. Return to Austria after a heavy dispute. Schauburger was forced to sign an agreement, forbidding him any further research with Implosion. All documents, models and equipment are left behind in the USA. Five days after his return, Viktor Schauburger dies on September 25th ...Viktor's Children: Walter, Margarete, Huberta

## Viktor Schauburger: The Father OF Implosion Technology



Schauburger could be called the *father of implosion technology*. The **implosion principle** is, of course, diametrically opposite to what today's *explosion* oriented technology utilizes. *Implosion* has to do with a self sustaining vortex flow of any liquid or gaseous medium, which has a concentrating, ordering effect and which decreases the temperature of the medium, in opposition to the dictates of "modern" thermodynamics.

Viktor Schauburger constructed water sluices, which, with controlled water temperature and vortex flow, were able to transport logs of a higher specific weight than would normally allow their transport on water. He proposed a more effective means of utilizing hydroelectric power by his jet turbine (see my article **Water Power**). In the second world war he was forced to develop his concepts of vortex dynamics at the service of Hitler's military goons, and, is said to have produced working prototypes of **levitating disks** using these principles. At the end of the war, the remains of his work

fell partly into Russian, and American, military hands. After the war, Schauburger worked on a concept of water-based power generation, through vortex action, in a closed cycle engine. In 1958 he was brought to the USA, by promises of a possibility he would get his technology further developed and applied. Afterwards, he was thoroughly debriefed, his writings and prototypes were kept, and, he apparently had to sign a legal document and 'promise' not to promote his technology further - all so that he would simply be able to return home to Austria. Five days after his return to Austria - on 25 September 1958 - he died. A book that details some of the life story of Schauburger was written by Olof Alexandersson. The title is **"Living Water"**, available below, through "AMAZON.COM."

## Foreword: A Brief Introduction To Viktor Schauburger And His Work -

It was a Swedish engineer and anthroposophist, Olof Alexandersson, who wrote the first popular introduction to the radical ideas of Viktor Schauburger. I came across this attractive little book in 1999. *Living Water* is now in its eighth printing and has inspired many to go on to Callum Coats' in-depth study of Schauburger's ideas, *Living Energies*, which was published in 1996. Callum had met Viktor's son, Walter Schauburger, in 1977 and was to spend three years studying with Walter at his Pythagoras-Keppler System Institute in Lauffen, in the Salzkammergut near Salzburg. During that time, Callum was given access to all Viktor's writings.

Viktor Schauburger did not start to seriously write about his ideas and his discoveries until the age of 44, when he acquired a distinguished sponsor in Professor Philipp Forchheimer. As Callum describes later in this volume, Forchheimer, a world famous hydrologist, had been asked by the Austrian Government to report on Schauburger's controversial log flumes, which transported large amounts of timber from inaccessible locations without damage. He was so impressed with Schauburger's discoveries that he asked him to write a paper which was published in 1930 in *Die Wasserwirtschaft*, the Austrian Journal of Hydrology. This paper attracted the



attention of the President of the Austrian Academy of Science, Professor Wilhelm Exner, and resulted in a commission to write a more detailed study of his theories for that same magazine under the title *Temperature and the Movement of Water*.

Schauberger's ideas completely flew in the face of conventional ideas of hydrology and water management and, as a result, gained him many enemies in scientific circles. The reason Viktor developed the strong feelings about orthodox scientific research that you will read in this and subsequent volumes was partly to defend himself from their attacks, and partly out of his despair at witnessing the ongoing destruction of the natural environment by their blind and uncaring technologies. It was this despair that motivated him to write his only book, *Our Senseless Toil - the Cause of the World Crisis*. It was published at a time of severe depression, when many were worried about the future.

After Forchheimer died, Schauburger found another ally in Professor Werner Zimmermann who encouraged Viktor in 1935-1936 to write about the damage being wrought to the great rivers, the Rhine and the Danube, in a small 'new thought' magazine *Tau*. After Schauburger's death, two magazines published further collections of Schauburger's writings: *Implosion* was started by a student and collaborator of Viktor's, and published a number of his articles in the 1960s. *Mensch und Technik* in the 1970s published articles by and about Viktor Schauburger for the more free-thinking scientific community.

Callum Coats has skillfully woven together these articles, together with correspondence with other scientists, friends and officials of one kind or another, into a fascinating tapestry which gives a true and very readable account of Schauburger's impassioned campaign to alert the world to the dangers of the prevailing scientific dogma. Unfortunately, not much has changed, and Schauburger's vision of how humanity could work cooperatively with Nature is perhaps more relevant than ever.

Callum arranged this massive amount of material into a large volume, *Eco-Technology*. In considering this for publication, they realized that it would be much more accessible in several volumes, arranged by theme. This first one, *The Water Wizard*, is devoted to Schauburger's ideas about water and rivers. The second, *Nature as Teacher*, concerns the wider implications of his ideas on water and energy. The third, *The Fertile Earth*, describes the way trees transform energy, and processes of fertilization of the soil. The final volume, *The Energy Revolution*, gathers together the discussion and description of Schauburger's appliances for purifying and energizing water and for producing vast amounts of virtually free energy. Together with *Living Energies*, the *Eco-technology* series give a complete account of the vision and genius of one of the founders of the present ecological movement, and are an inspiration for all those who wish to see our precious Earth saved from extinction by short-sightedness and greed, and the emergence of a new partnership with bountiful Nature. Again, you can view and purchase all of these books through "AMAZON.COM", and will find the links to each book at the bottom of this page. Let's continue...

## [Return To Top](#)

### the Natural Eco-Technological Theories of Viktor Schauburger

Viktor Schauburger (30 June 1885 - 25 September 1958) was born in Austria of a long line of foresters stretching back some four hundred years. He developed a gift for accurate and intuitive observation so great that he was able to perceive the natural energies and other phenomena occurring in nature, which are still unrecognized by orthodox science. Refusing to attend University at the age of 18, to the fury of his father, Viktor Schauburger left home and spent a long period alone in the high, remote forest, contemplating, pondering and observing the many subtle energetic processes taking place in Nature's laboratory, where they were still undisturbed by human hand. During this period he developed very profound and radical theories, later to be confirmed practically, concerning water, the energies inherent in it and its desired natural form of motion. These eventually earned him the name of 'The Water Wizard'.

For the whole of his life he fought a running and often acrimonious battle with academia and its institutions, since his theories in the main were diametrically opposed to the so-called established facts of science. His practical demonstration of them always functioned as he had theorized, however, for he had come to understand the true inner workings of Nature and was able to emulate them.

Viktor Schauburger's theories afford new insights into the naturally correct or naturalesque management of water. This encompasses its proper handling, storage, and conduction by means that promote its self-purification, the retention and enhancement of its natural energies and health. In this book, the close interrelationship between water and the forest (as a water-producer - not a water consumer) is examined. Also addressed is the



problem of soil salinity and how this comes about through over-exposure of the soil to the radiance of the sun through deforestation and faulty agricultural practices, are also addressed. Indications are given as to how these may be avoided and overcome, due to Viktor Schauberger's radical and fundamentally new understanding of the coming into being and functioning of the groundwater table in relation to soil temperature.

As a natural organism, water is formed and functions according to Nature's laws and geometry, the latter exhibiting none of the elements of the straight line, circle and point, the basis of modern mechanical and technological artifacts. Reflecting Nature's principal constant, namely that of continuous change and transformation, the vortex epitomizes this form of open, fluid and flexible motion. Through his study of the vortices occurring naturally in flowing water and in the air in the form of cyclones and tornadoes, Viktor Schauberger developed his theories of implosion. It was through the research and development of these theories that he was able to produce spring-quality water and generate considerable energies in and with water and air.

In listing some of his accomplishments one could not do better than to quote from his book, *"Our Senseless Toil"*, written in 1933: *"It is possible to regulate watercourses over any given distance without embankment works; to transport timber and other materials, even when heavier than water, for example ore, stones, etc., down the centre of such water-courses; to raise the height of the water table in the surrounding countryside and to endow the water with all those elements necessary for the prevailing vegetation. Furthermore it is possible in this way to render timber and other such materials non-inflammable and rot resistant; to produce drinking and spa-water for man, beast and soil of any desired composition and performance artificially, but in the way that it occurs in Nature; to raise water in a vertical pipe without pumping devices; to produce any amount of electricity and radiant energy almost without cost; to raise soil quality and to heal cancer, tuberculosis and a variety of nervous disorders... the practical implementation of this ... would without doubt signify a complete reorientation in all areas of science and technology. By application of these new found laws, I have already constructed fairly large installations in the spheres of log-rafting and river regulation, which as is known, have functioned faultlessly for a decade, and which today still present insoluble enigmas to the various scientific disciplines concerned."*

Water and its vital interaction with the forest was Viktor's principal preoccupation. He viewed water as a living entity, the 'Blood of Mother-Earth', which is born in the womb of the forest. Our mechanistic, materialistic and extremely superficial way of looking at things, however, prevents us from considering water to be anything other than inorganic, i.e. supposedly without life but, while apparently having no life itself, can nevertheless miraculously create life in all its forms. Life is movement and is epitomized by water, which is in a constant state of motion and transformation, both externally and internally. In confirmation of this fact, water is able to combine with more substances than any other molecule and, flowing as water, sap and blood, is the creator of the myriad life-forms on this planet. How then could it ever be construed as life-less in accordance with the chemist's clinical view of water, defined as the inorganic substance  $H_2O$ ? This short description is a gross misrepresentation. As the fundamental basis of all life, water is itself a living entity and should be treated as such. Failure to do so quickly transforms it into an enemy, rather than the nurturer and furtherer of all life that it should be.

*"This civilization is the work of man, who high-handedly and ignorant of the true workings of Nature, has created a world without meaning or foundation, which now threatens to destroy him, for through his behavior and his activities, he, who should be her master, has disturbed Nature's inherent unity."*

Apart from the more familiar categories of water, there are, according to Viktor Schauberger, as many varieties of water as there are animals and plants. Were water merely the sterile, distilled  $H_2O$  as claimed by science, it would be poisonous to all living things.  $H_2O$  or 'juvenile water' is sterile, distilled water and devoid of any so-called 'impurities'. It has no developed character and qualities. As a young, immature, growing entity, it grasps like a baby at everything within reach. It absorbs the characteristics and properties of whatever it comes into contact with or has attracted to itself in order to grow to maturity. This "everything" - the so-called "impurities" - takes the form of trace elements, minerals, salts and even smells! Were we to drink pure  $H_2O$  constantly, it would quickly leach out all our store of minerals and trace elements, debilitating and ultimately killing us. Like a growing child, juvenile water takes and does not give. Only when mature, i.e. when suitably enriched with raw materials, is it in a position to give, to dispense itself freely and willingly, thus enabling the rest of life to develop. Before the birth of water, there was no life.

But what is this marvelous, colorless, tasteless and odorless substance, which quenches our thirst like no other liquid? Did we but truly understand the essential nature of water - a living substance - we would not treat it so churlishly, but would care for it as if our lives depended on it, which undoubtedly they do.



## [Return To Top](#)

*"The Upholder of the Cycles which supports the whole of Life, is water. In every drop of water dwells the Godhead, whom we all serve; there also dwells Life, the Soul of the "First" substance - Water - whose boundaries and banks are the capillaries that guide it and in which it circulates." More energy is encapsulated in every drop of good spring water than an average-sized PowerStation is presently able to produce. "* Indeed in accordance with the famous Hasenöhrl-Einstein equation  $E = mc^2$ , in 1 gram of substance, or 1 cubic centimeter of water, 25 million kilowatt hours of energy are stored!

Water is a being that has life and death. With incorrect, ignorant handling, however, it becomes diseased, imparting this condition to all other organisms, vegetable, animal and human alike, causing their eventual physical decay and death, and in the case of human beings, their moral, mental and spiritual deterioration as well. From this it can be seen just how vital it is, that water should be handled and stored in such a way as to avert such pernicious repercussions.

*"Science views the blood-building and character-influencing ur-organism"* In Viktor Schaubberger's writings in German, the prefix 'Ur' is often separated from the rest of the word by a hyphen, e.g. 'Ur-sache' in lieu of 'Ursache', when normally it would be joined. By this he intends to place a particular emphasis on the prefix, thus endowing it with a more profound meaning than the merely superficial. This prefix belongs not only to the German language, but in former times also to the English, a usage which has now lapsed. According to the Oxford English Dictionary, 'ur' denotes 'primitive', 'original', 'earliest', giving such examples as 'ur-Shakespeare' or 'ur-origin'. This begins to get to the root of Viktor's use of it and the deeper significance he placed upon it. If one expands upon the interpretation given in the Oxford English Dictionary, then the concepts of 'primordial', 'primeval', 'primal', 'fundamental', 'elementary', 'of first principle', come to mind, which further encompass such meanings as: - pertaining to the first age of the world, or of anything ancient; - pertaining to or existing from the earliest beginnings;- constituting the earliest beginning or starting point;- from which something else is derived, developed or depends;- applying to parts or structures in their earliest or rudimentary stage; - the first or earliest formed in the course of growth. To this can be added the concept of an 'ur-condition' or 'ur-state' of extremely high potential or potency, a latent evolutionary ripeness, which given the correct impulse can unloose all of Nature's innate creative forces. In the English text, therefore, the prefix "ur" will also be used wherever it occurs in the original German and the reader is asked to bear the above in mind when reading what follows. *"Water', when looked at as merely a chemical compound that provides millions of people with a liquid is absurd; from this point of view, it is everything but healthy water."* But what does modern, de-naturalised civilization care, as long as it receives a suitably hygienised, clear liquid to shower, wash its dishes, clothes and cars. Once down the plug-hole in company with all manner of toxic chemicals and detergents, all is comfortably out of sight and out of mind.

*"Our primeval Mother Earth is an organism that no science in the world can rationalize. Everything on her that crawls and flies is dependent upon Her and all must hopelessly perish if that Earth dies that feeds us."* Although the chlorination of drinking and household water-supplies ostensibly removes the threat of water-borne diseases, it does so, however, to the detriment of the consumer. In its function of water sterilizer or disinfectant, chlorine eradicates all types of bacteria, beneficial and harmful alike. More importantly, however, it also disinfects the blood (about 80% water) or sap (ditto) and in doing so kills off or seriously weakens many of the immunity-enhancing micro-organisms resident in the body of those organisms constantly forced to consume it. This eventually impairs their immune systems to such a degree that they are no longer able to eject viruses, germs and cancer cells, to which the respective host-bodies ultimately falls victim.

The appearance of AIDS, therefore, and the enormous increase in all forms of disease, cancer in particular, would have come as no surprise to Viktor Schaubberger. Apart from the other inevitable disturbances to the ecology and the environment occasioned by humanity's unthinking activities, he foresaw it all as early as 1933.

*"For a person who lives 100 years in the future, the present comes as no surprise."*

Apart from other factors (some cannot be defined quantitatively), encompassing such aspects as turbidity (opaqueness), impurity, and quality, the most crucial factor affecting the health and energy of water is temperature.

As a liquid, the behavior of water differs from all other fluids. The latter become consistently and steadily denser with cooling, water reaches its densest state at a temperature of +4° C (+39.2° F), below which it grows less dense. In contrast, water's behavior is anomalous, because it reaches its greatest density at a temperature of +4°C (+39.2°F). This is the so-called 'anomaly point', or the point of water's anomalous expansion, which is decisive in this regard and has a major influence on its quality. Below this temperature it once more expands.



This highest state of density is synonymous with its highest energy content, a factor to be taken carefully into account, since energy can also be equated with life or life-force. Therefore if water's health, energy and life-force are to be maintained at the highest possible level, then certain precautions must be taken, which will be addressed later.

Conceived in the cool, dark cradle of the virgin forest, water ripens and matures as it slowly mounts from the depths. On its upward way it gathers to itself trace elements and minerals. Only when it is ripe, and not before, will it emerge from the womb of the Earth as a spring. As a true spring, in contrast to a seepage spring, this has a water temperature of about  $+4^{\circ}\text{C}$  ( $+39.2^{\circ}\text{F}$ ). Here in the cool, diffused light of the forest it begins its long, life-giving cycle as a sparkling, lively, translucent stream, bubbling, gurgling, whirling and gyrating as it wends its way valley wards. In its natural, self-cooling, spiraling, convoluting motion, water is able to maintain its vital inner energies, health and purity. In this way it acts as the conveyor of all the necessary minerals, trace elements and other subtle energies to the surrounding environment. Naturally flowing water seeks to flow in darkness or in the diffused light of the forest, thus avoiding the damaging direct light of the sun. Under these conditions, even when cascading down in torrents, a stream will only rarely overflow its banks. Due to its correct natural motion, the faster it flows, the greater its carrying capacity and scouring ability and the more it deepens its bed. This is due to the formation of in-winding, longitudinal, clockwise - anti-clockwise alternating spiral vortices down the central axis of the current, which constantly cool and re-cool the water, maintaining it at a healthy temperature and leading to a faster, more laminar, spiral flow.

To protect itself from harmful effects of excess heat, water shields itself from the sun with over-hanging vegetation, for with increasing heat and light it begins to lose its vitality and health, its capacity to enliven and animate the environment through which it passes. Ultimately becoming a broad river, the water becomes more turbid, the content of small-grain sediment and silt increasing as it warms up, its flow becoming slower and more sluggish. However, even this turbidity plays an important role, because it protects the deeper water-strata from the heating effect of the sun. Being in a denser state, the colder bottom-strata retain the power to shift sediment of larger grain-size (pebbles, gravel, etc.) from the centre of the watercourse. In this way the danger of flooding is reduced to a minimum. The spiral, *vortical motion* mentioned earlier, which eventually led Viktor Schauberger to the formation of his theories concerning 'implosion', creates the conditions, where the germination of harmful bacteria is inhibited and the water remains disease-free.

Another of its life-giving properties is its high specific heat - lowest at  $+37.5^{\circ}\text{C}$  ( $+99.5^{\circ}\text{F}$ ). The term "specific heat" refers to the capacity and rapidity of a body to absorb or release heat. With a relatively small input of heat fluids with a high specific heat warm up less rapidly than those with a lower specific heat. How strange then, and how remarkable, that the lowest specific heat of this "inorganic" substance - water - lies but  $0.5^{\circ}\text{C}$  ( $0.9^{\circ}\text{F}$ ) above the normal  $+37^{\circ}\text{C}$  ( $+98.6^{\circ}\text{F}$ ) blood temperature of the most highly evolved of Nature's creatures - human beings. This property of water to resist rapid thermal change enables us, with blood composed of 80% water, to survive under large variations of temperature. Pure accident so we are told, or is it by clever, symbiotic design ?! However, since we are used to thinking about temperature in gross terms (car engines operate at temperatures of  $1,000^{\circ}\text{C}$  ( $1,832^{\circ}\text{F}$ ) or so and many industrial processes employ extremely high temperatures) and despite the fact that we begin to feel unwell if our temperature rises by as little as  $0.5^{\circ}\text{C}$  ( $0.9^{\circ}\text{F}$ ), we fail to see that non-mechanical, organic life and health are based on very subtle differences in temperature. When our body temperature is  $+37^{\circ}\text{C}$  ( $98.6^{\circ}\text{F}$ ) we do not have a 'temperature' as such. We are healthy and in a state that Viktor Schauberger called 'indifferent' or 'temperature-less'. Just as good water is the preserver of our proper bodily temperature, our anomaly point of greatest health and energy, so too does it preserve this planet as a habitat for our continuing existence. Water has the capacity to retain large amounts of heat and were there no water vapor in the atmosphere, this world of ours would be an icy-cold, barren wasteland. Water in all its forms and qualities is thus the mediator of all life and deserving of the highest focus of our esteem.

*"To Be or Not to Be: In Nature all life is a question of the minutest, but extremely precisely graduated differences in the particular thermal motion within every single body, which continually changes in rhythm with the processes of pulsation. This unique law, which manifests itself throughout Nature's vastness and unity and expresses itself in every creature and organism, is the 'law of ceaseless cycles' that in every organism is linked to a certain time span and a particular tempo. The slightest disturbance of this harmony can lead to the most disastrous consequences for the major life forms. In order to preserve this state of equilibrium, it is vital that the characteristic inner temperature of each of the millions of micro-organisms contained in the macro-organisms be maintained."*

The No. 1 enemy of water is excess heat or over-exposure to the sun's rays. It is a well-known fact that oxygen



is present in all processes of organic growth and decay. Whether its energies are harnessed for either one or the other is to a very great extent, if not wholly, dependent on the temperature of the water as itself or in the form of blood or sap. As long as the water-temperature is below  $+9^{\circ}\text{C}$  ( $+48.2^{\circ}\text{F}$ ), its oxygen content remains passive. Under such conditions the oxygen assists in the building up of beneficial, high-grade micro-organisms and other organic life. However, if the water temperature rises above this level, then the oxygen becomes increasingly active and aggressive. This aggressiveness increases as the temperature rises, promoting the propagation of pathogenic bacteria, which, when drunk with the water, infest the organism of the drinker.

*"Thus the development of micro-organisms and the opportunities for their propagation are simply a result of the condition in which the respective sickening macro-organism finds itself, which will be attacked by these parasites and which eventually must fall victim to them if its inner climatic conditions are no longer strictly regulated."*

But this aggressiveness is not confined to the domain of oxygen alone. When water becomes over-heated, due principally to the increasingly widespread clear-felling of the forest, the health-maintaining pattern of longitudinal vortices changes into transverse ones. These not only undermine and gouge into the riverbanks and embankment works, eventually bursting them, but also create pot-holes in the riverbed itself, bringing even greater disorder to an already chaotic channel-profile.

According to Viktor Schauberg, water subjected to these conditions loses its character, its soul. Like humans of low character, it becomes increasingly violent and aggressive as it casts about hither and thither seeking to vent its anger and restore to itself its former health and stability.

However, due to the senseless malpractice of the clear-felling of forests, we are destroying the very foundation of life. For with the removal of the forest, two very serious things happen:

1). During its flow to the sea, the water warms up prematurely to such an extent that it is warmed right down to the channel-bed. No cool, dense, water-strata remain and the sediment is left lying on the bottom. This blocks the flow, dislocates the channel and results in the inevitable, often catastrophic floods. Yet we still have the effrontery to call these awesome events 'natural disasters', as if Nature herself were responsible. Furthermore, due to the broadening of the channel, even more water is exposed to the sun's heat, resulting in over-rapid evaporation to the atmosphere. In many cases this overloads the atmosphere with water-vapor, which it is unable to retain in suspension. Deluges follow.

2). With the forest-cover now removed, the ground also begins to heat up to temperatures much higher than normal and natural. Dry soil heats up as much as five times faster than water. This has a two-fold effect:

a). The rejection and repulsion by the warmer soil of any incident rain-water, whose temperature in this case is generally lower. Cold rain will not readily infiltrate into warm soil. This results in rapid surface run-off and no groundwater recharge. The soil dries out.

b). An increase in pathogenic microbial activity, harmful to plant life.

The upshot of all this is more flooding, reduced groundwater quantity and lower groundwater table. One flood therefore begets the next in rapid succession. But since there is no groundwater recharge, the water-balance and natural distribution are completely upset. The remaining trees - the vital retainers of water - die, leaving the land barren and desiccated with the necessary sequel of drought. The less the tree-cover, the more extensive the flooding and the longer the period of drought, of *water-lessness*, which is synonymous with *life-lessness*!

Unnatural, quantity-inspired forestry practices, ignorant of Nature's laws, and the over-warming of the soil arising from massive deforestation are the primary causes of the deterioration in water quality, climate and the sinking of the water table. The channeling of water through straight, unnaturally constructed, trapezoid canals, steel pipelines and other misguided systems of river regulation also force the water to move in an unnatural way and accelerate its degeneration and increase its disease-carrying capacity.

*"Wherever we look the dreadful disintegration of the bridges of life, the capillaries and the bodies they have created, is evident, which has been caused by the mechanical and mindless work of man, who has torn away the soul from the Earth's blood - water. The more the engineer endeavors to channel water, of whose spirit and nature he is today still ignorant, by the shortest and straightest route to the sea, the more the flow of water weighs into the bends, the longer its path and the worse the water will become. The spreading of the most terrible disease of all, of cancer, is the necessary consequence of such unnatural regulatory works. These mistaken activities - our work - must legitimately lead to increasingly widespread unemployment, because our present methods of working, which have a purely mechanical basis, are already destroying not only all of wise Nature's formative processes, but first and foremost the growth of the vegetation itself, which is being destroyed even as it grows. The drying up of mountain springs, the change in the whole pattern of motion of the groundwater, and the disturbance in the blood circulation*



*or the organism - Earth - is the direct result of modern forestry practices. The pulse-beat of the Earth was actually arrested by the modern timber production industry. Every economic death of a people is always preceded by the death of its forests. The forest is the habitat of water and as such the habitat of life processes too, whose quality declines as the organic development of the forest is disturbed. Ultimately, due to a law which functions with awesome constancy, it will slowly but surely come around to our turn. Our accustomed way of thinking in many ways, and perhaps even without exception, is opposed to the true workings of Nature. Our work is the embodiment of our will. The spiritual manifestation of this work is its effect. When such work is carried out correctly, it brings happiness, but when carried out incorrectly, it assuredly brings misery."*

There is only one solution! Would we live and ensure a sustainable future then we must plant trees for our very lives, but far more importantly, we have a duty to do it for those of our children.

More immediately, however, we must care for the very limited stocks of water still available. This means treating it in the way demonstrated to us by Nature. First and foremost, water should be protected from sunlight and kept in the dark, far removed from all sources of heat, light and atmospheric influences. Ideally it should be placed in opaque, porous containers, which on the one hand cut out all direct light and heat, and on the other, allow the water to breathe, which in common with all other living things, it must do in order to stay alive and healthy. In terms of what we can achieve personally, we should at all times ensure that our storage vessels, tanks, etc., are thoroughly insulated, so that the contained water is maintained at the coolest temperature possible under the prevailing conditions. The materials most suited to this are natural stone, timber (wooden barrels) and terracotta. Perhaps more than any other material, terracotta has been used for this purpose for millennia. Terracotta exhibits a porosity particularly well-suited to purposes of water storage. This is because it enables a very small percentage of the contained water to evaporate via the vessel walls. Evaporation is always associated with cooling (vaporization, however, with heat) and, according to Walter Schaubberger (Viktor's physicist son), if the porosity is correct, then for every 600th part of the contents evaporated, the contents will be cooled by 1°C (1.8°F), thus approaching a temperature of +4°C (+39.2°F).

While the material for the construction of a water-storage vessel has been addressed above, another important factor is the actual shape of the container itself. Most of the storage containers commonly in use today take the form of cubes, rectangular volumes of one form or another, or cylinders. While these are the shapes most easily and economically produced by today's technology, they do have certain drawbacks in terms of impeding natural water circulation and water suffocation. Due to their rectangular shape and/or right-angled corners, certain stagnant zones are created, conducive to the formation of pathogenic bacteria. Moreover, since the materials used are generally galvanized iron, fiber glass, concrete, etc., i.e. all impervious materials, the contained water is unable to breathe adequately and suffocates as a result. In this debilitated state or as a water-corpse, it is no longer either healthy or health-giving and may require further disinfection.

Should we now make a study of those shapes that Nature chooses to propagate and maintain life, it soon becomes apparent that the cubes and cylinders mentioned above have no place in Nature's scheme of things. Instead, eggs and elongated egg-shapes such as grains and seeds are employed, presumably because Nature in her wisdom has determined that these produce the optimal results. Historically speaking, it is evident that earlier civilizations such as the Egyptians and Greeks, renown for their logic and constructional ability, were well aware of this, because they stored their grains and liquids (oils, wines, etc.) in terracotta amphorae, sealed with beeswax. All this despite the fact that for all rational, practical purposes, the shape was wholly unsuited to compact and efficient storage in terms of space and ease of handling. It is obvious that the selection of this form over any other was intentional and as the result of certain knowledge of the long-term storage properties of such shapes. In many amphorae that have surfaced in archaeological excavations over the last 100 years or so, grains of wheat have been found that were still viable and even after storage over 2,000 years, grew when planted. This fact alone should suffice to affirm the efficacy of the properties of vessels of such shape.

Taking Viktor Schaubberger's exhortation, "*Comprehend and copy Nature!*" as our guide, we should therefore make use of the shapes that Nature herself selects to contain, guard and maintain life, i.e. eggs and their derivations.

Compared with cubes and cylinders, these shapes have no stagnant zones, no right-angled corners that inhibit flowing movement. By placing our terracotta vessels in shaded areas, exposed to air movement, the evaporative cooling effect will be significantly enhanced and since all natural movement of liquids and gases is triggered by differences in temperature, so too inside the egg-shaped storage vessel, cyclical, spiral, vitalizing movement of the water will be induced.

Movement is an expression of energy and energy is synonymous with life. The external evaporation causes cooling of the outer walls and the water in their immediate vicinity. Being cooler and therefore denser, this water



becomes specifically heavier and sinks down along the walls towards the bottom at the same time forcing the water there to rise up the centre and move towards the outside walls. Continual repetition of this process results in the constant circulation and cooling of the contents.

Having discussed the above ideal storage vessel and in view of the fact that they are presently not available on the market, it would be a sorry omission, if methods of improving existing installations were not also addressed. The main factor to be taken into account here is that of exposure to light and heat. Where possible, all above-ground water tanks, whether of galvanized iron, fiber-glass or concrete, should be insulated on all sides and external surfaces through the application of sprayed foam or equivalent thermal barrier to a minimum thickness of 75mm. If not already white or of a light, heat-reflecting color, then it should be so painted. For in-ground tanks, the top surface only need be insulated and rendered white in color.

For many people dams or rivers provide the main source of water and certain simple measures can be taken to improve the quality of the water obtained from them. Providing the surrounding soil is not impervious to water, a hole of suitable dimension, depth and capacity (say 1,000 - 2,000 liters) should be dug about 5 - 10 meters from the banks of the dam or river. If possible the depth should be equal to the depth of the latter. Wells dug next to dams should be situated above the highest water level. If the consistency of the soil is permeable enough, then water will percolate through the intervening soil and into the newly excavated well. Depending on the stability and load-bearing capacity of the soil (a structural engineer should be consulted if there is any doubt), a small concrete, perimeter footing should be placed at a safe and stable distance from the rim of the well. When the concrete has cured and set firmly, then a minimum of 1 course of blocks should be laid to prevent the entry of any surface water. In the case of wells next to rivers, however, it may be necessary to raise the height of the block work to just above the average height of flood waters to prevent contamination of the well water during floods.

The well should then be totally enclosed and sealed with a well-insulated timber and sheet-metal roof, or a concrete slab, and provided with an access hatch to service the pump and/or suction pipe and foot-valve. Preferably the pump should be located outside the well-space to avoid any possible oil pollution, etc.

The reason for having the 1,000 - 2,000 liter storage capacity mentioned earlier, is that it may only be possible to pump water intermittently, because the rate of replenishment from the main water source may be fairly slow, depending on the permeability of the soil. In the event that the soil surrounding a dam or a river is impervious, then it would be necessary to excavate a channel about 600 mm wide between the well and the main water body. The lower part of this should be filled with clean, quartz sand to a depth of about 600 mm and the upper part back-filled with the excavated material and compacted. As the water percolates through either the existing soil or the emplaced sand most suspended matter will be filtered out. Also, because the water accesses the well at the lowest level, the water actually transferred from the main water source to the well will be as cool as possible under the prevailing conditions. In this state it is less likely to harbor harmful, pathogenic bacteria, which tend to populate the upper, more highly oxygenated strata of the main water body.

The adoption of such measures on the author's own property produced an extremely clear, clean, odorless and good tasting water. Despite all outward appearances, however, it is still advisable to have such water tested for quality, purity and any possible contaminants by the responsible authorities. In terms of its mineral, salt and trace-element content, river-water would generally be far richer than tank-water (rainwater). With reference to the immature and mature water discussed at the beginning, in most cases it would be necessary to supplement the mineral content of rainwater, if this is the only source of drinking water, in order to prevent the extraction of these from the body of the drinker. Here the suspension of an artificial-fiber sack (rot-proof) containing the dust of crushed basalt or other igneous rock used for road building (commonly known as 'crusher dust') would do much to enhance the composition of the tank water, because it will hungrily absorb those elements it requires to become mature. However, before adding any crusher dust to the water, it would be again advisable to test the resulting change in the quality by analyzing the difference between two samples of tank water, one with crusher-dust added and one without as a control. Both samples should then be placed in a cool, dark place and left for at least a week before analysis of the mineral content, bacterial purity, etc. is carried out. This should be done by a suitably qualified specialist.

These suggestions for improving water quality are the result of my personal experience and understanding of Viktor Schauberger's pioneering discoveries and theories. Viktor Schauberger's great dictum, frequently asserted, was " *C<sup>2</sup> - Comprehend & Copy Nature* ", for it was only thus that humanity could emerge from its present crisis-stricken condition. *"They call me deranged. The hope is that they are right! It is of no greater or lesser import for yet another fool to wander this Earth. But if I am right and science is wrong, then may the Lord God have mercy on mankind!"*



Indeed at the Stuttgart University of Technology, West Germany in 1952 these theories were tested under strict scientific and laboratory conditions by Professor Dr. Ing. Franz Pöpel, a hydraulics specialist. These tests showed that, when water is allowed to flow in its naturally ordained manner, it actually generates certain energies, ultimately achieving a condition that could be termed 'negative friction'. Checked and double-checked, this well-documented, but largely unpublicized, pioneering discovery not only vindicated Viktor Schaubberger's theories. It also over-turned the hitherto scientifically sacred 'Second Law of Thermodynamics' in which, without further or continuous input of energy, all (closed) systems must degenerate into a condition of total chaos or entropy. These experiments proved that this law, whilst it applies to all mechanical systems, does not apply wholly to living organisms.

As a result of these discoveries, it was arranged that Viktor Schaubberger be taken to the United States in 1958, where sums amounting potentially to many millions of dollars could be made available as start-capital for a Los Alamos-like venture to develop Viktor Schaubberger's theories of Implosion. He was accompanied by his son, Walter Schaubberger, a physicist and mathematician, to assist in the scientific interpretation of his father's theories. Soon after arrival, however, various misunderstandings developed, too complex to elaborate here, whereupon Viktor Schaubberger fell silent and refused to participate. After some three months of silence the project was abandoned. Viktor and Walter Schaubberger were then permitted to return to Austria, where Viktor died in Linz some five days later on the 25th September 1958, a very disillusioned man.

On their return journey, Viktor asked Walter to translate his theories of Implosion into terms of physics, geometry and mathematics, in such manner that their veracity was irrefutable. Because Viktor Schaubberger's concepts broke new ground, this presented some difficulty. There was no adequate scientific terminology to describe them, nor was there any mathematical basis from which the necessary shapes could be precisely defined or constructed. With his own devices and apparatuses, Viktor Schaubberger had also encountered problems of construction, which in part affected the optimum functioning of these machines, because the state and sophistication of the technology then available was inadequate and too cumbersome to build them properly and accurately.

The vital development of a new technology, harmonious and conforming to Nature's laws, demands a radical and fundamental change in our way of thinking and to our approach to the interpretation of the established doctrines and facts of physics, chemistry, agriculture, forestry and water management. As a pointer as to how such a new technology should come about, let me quote Viktor Schaubberger once more:

*"How else should it be done then?", was always the immediate question. The answer is simple: "Exactly in the opposite way that it is done today!"*

(NOTE: All quotations in italics were taken from Viktor Schaubberger's writings during the period 1930 - 1933)

## [Return To Top](#)

### The Beginnings of Genius :

In the district where Schaubberger lived and worked, there had been no interference in the balance of Nature and Viktor was thus able to observe events that are today inconceivable, and which no longer take place (because of the enormous deterioration of the environment). It was here that he acquired the insights into the natural movement of water that resulted in the building of his first log flume. Here too he first became aware of other levitational energies found in water. One day, in the middle of a very cold winter, as he was about to cross over a fast-flowing mountain stream, he flushed a stationary trout from its lair. Startled, he sought a firm hold for his staff on the stream bed. The trout's lightning flash upstream immediately caused a number of questions to race through his mind:

"How did the trout actually manage to get to this spot"? Later I saw dozens of them in the same stream; a stream which, about a kilometer *downstream*, was cut off by a 60 meter high waterfall - which atomized the water into a veil of mist. "How did it traverse the waterfall"?

"How was it able to flee *upstream* like a streak of greased lightning, in mockery of all the laws of gravity? How was it possible for this fish to *stand* so motionlessly, only steering itself with slight movements of its tail-fins, in this wildly torrential flow, which made my staff shake so much that I



could hardly hang onto it?

"What forces enabled the trout to *overcome* its own body-weight so effortlessly and quickly, and, at the same time, overcome the specific weight of the heavy water flowing *against* it?

Why didn't the water *freeze* even during periods of severe frost with temperatures *below* -30° Centigrade?"

While Viktor undoubtedly had an special talent for observation, a penetrating power of perception undimmed by preconceptions, he also developed what might be called an active consciousness - an ability to go beyond the merely "visual" in search of what lay behind a given phenomenon. This taught him a great deal and this ability gradually evolved, as he explained:

"The Schauburger's' principal preoccupation was the conservation of the forest and wild game, and even in earliest youth my fondest desire was to *understand* Nature, and thus to come closer to the truth; a truth that I was unable to discover either at school or in church.

"In this quest, I was thus drawn time and time again, up into the forest. I could sit for hours on end and watch the water flowing by without ever becoming tired or bored. At the time I was still unaware that in water the greatest secret lay hidden. Nor did I know that water was the carrier of life or the *ur-source* of what we call consciousness. Without any preconceptions, I simply let my gaze fall on the water as it flowed past. It was only years later that I came to realize that running water attracts our consciousnesses like a magnet and draws a small part of it along in its wake. It is a force that can act so powerfully, that one temporarily loses consciousness, and involuntarily falls asleep. As time passed, I began to play a game with water's secret powers; I surrendered my so-called free consciousness and allowed the water to take possession of it for a while. Little by little this game became very earnest, because I realized that one could detach one's own consciousness from the body and attach it to that of the water."

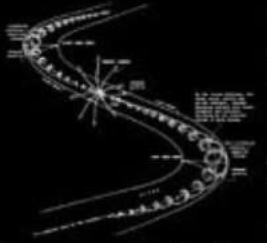
"When my own consciousness was eventually returned to me, then the water's deeply concealed psyche often revealed the most extraordinary things to me. As a result of this investigation a researcher was born, who could dispatch his consciousness on a voyage of discovery, as it were. In this way I was able to experience things that had escaped other people's notice, because they were unaware that a human being is able to send forth his free consciousness into those places the eyes cannot see."

"By practicing this blindfolded vision, I eventually developed a bond with mysterious Nature, whose essential being I then slowly learnt to perceive and understand."

Water, forests, natural energies and their generation were ever his passionate concern. In our present way of looking at things, he would probably be considered one of the world's first "greenies" (Dr. Richard St. Barbe-Baker, founder of 'The Men of the Trees' in 1922, and also Viktor's friend, being another). Viktor had tremendous foresight and an enormous capacity for writing, reputedly having composed many, many thousands of pages. At times, apparently in a trance-like state, he wrote for hours on his typewriter with no idea of what he had written until finally reading it at the end. Amongst other things, he set down all of what he saw would inevitably happen, (if we did not mend our ways and change our whole approach to the environment) both technologically and conceptually. All the various crises that are today engulfing humanity, Schauburger foresaw as long ago as 1930. When questioned on his predictions, he answered very simply, saying that, "For a person who lives 100 years in the future, the present is no surprise."

In the late 1920s as a result of the successful operation of Viktor's Steyrling log-flume, Prof .Philipp Forchheimer was asked by the Austrian Government to investigate his unusual theories. Through their collaboration, Forchheimer gradually became aware of the *truth* of Viktor's ideas, eventually insisting that Viktor put all his discoveries down on paper, for he thought these theories were not only valid, but extremely valuable. Forchheimer later confided that he was delighted to have retired, because he would now be relieved of the humiliating task of telling his students that he had been teaching them rubbish for the last forty-five years!





With the cooperation of Prof. Wilhelm Exner, President of the Austrian Academy of Science and inventor of the Exner electroscope, a treatise of Viktor Schaubberger's, entitled "Turbulence", which described the braking function of vortices and their relation to water temperature, was placed under seal and on deposit at the Austrian Academy of Science on January 1st, 1930. This was done, not only to ensure the precedence of Viktor Schaubberger's theories on water movement, but also to safeguard them for some time in the future. While stressing its value, Forchheimer considered there to be no point in publishing it at the time, because the hydrological world was not ready. The science of hydraulics would first have to change its values and way of thinking before these trail-breaking concepts could be taken seriously. *It wasn't until 1974 that this document was released to Viktor's son, Walter Schaubberger..*



Forchheimer did change his views later, however, and saw to it that Viktor's pioneering theories on temperature and its effect on the movement of water were published in 1930-31 in a series of articles in "Die Wasserwirtschaft", the Austrian Journal of Hydrology. This showed Forchheimer to be all that a true scientist should be, and rarely is. It demonstrated the honesty and humility of a sincere academic who was prepared to accept that his former ideas had been wrong and that current thinking could be changed; that there was another way of looking at things. Pictured to the left are two of Viktor Schaubberger's theories on water movement through a river channel, and it's practical application in a log flume (click for a larger view). [Viktor Schaubberger's British Patent: 415280 - Water Conduits.](#)

Viktor's aim was always to try to perceive the dynamic reality behind what he saw as physical illusion. He claimed, and rightly so, that by and large, we human beings are extremely superficial, looking for and only seeing direct relations between cause and effect, whereas *Nature* always moves indirectly. But worse than this, in our ignorance of the unseen dynamic behind the seen manifestation, we mistake the *effect* for the *cause*, greatly compounding this error by failing to see that an effect *becomes* the cause for a further effect in an endless chain of causes and effects. As Viktor comments:

## [Return To Top](#)

*"Our thinking is inconsistent with what we actually see. The eye is a perfect, natural organ. The seen image is a reaction phenomenon. Using an artificial optical apparatus, the same effect, for example, can only be obtained by a roundabout way, by means of a negative. The eye, on the other hand, immediately presents us with the diapositive, namely the true image."*

*"Our sight constitutes an unconscious, automatic transformation process, through which the negative image - like a photographic negative - (i.e. the effect), is transformed into a positive one, like a diapositive color slide. Our thinking, however, is really a purely individual, conscious process and therefore learnable. If our thinking is to attain the same perfection as our seeing, then we must change our way of thinking and learn to see reality, not as an action, but as a reaction. Perfect thought lies in the apprehension of the correct reaction, for before the eye can show us the positive, it must first transform the negative and in a certain manner must break up what it records. What we see therefore, is the turning inside out of what we receive. What our mind grasps in this way must be re-formed and re-thought if we wish to attain what we strive for."*

Our direct mental approach towards the understanding and investigation of natural phenomena (our present materialistic and scientifically ingrained view that only the physically palpable and measurable represents the true reality), has lead to greater and greater confusion and the need to elaborate more and more complex theories to explain the various functions of the physical world. Our great omission has been our total disregard and our failure to come to grips in depth with the more ephemeral, unseen, yet fundamental energetic causalities. Like the negative mentioned in the quotation above, these energies manifest themselves only indirectly, the physical constructs of the outer physical world being a positive reflection of their respective functions. What we perceive as the foundation of physical reality - a reality to which we have ascribed laws - is therefore only half of the truth, for in their dynamic these formative magnitudes conform to a sublime inner law of energetic reciprocities.



**Emergent Reciprocity:**

***"Nature is not served by rigid laws, but by rhythmical, reciprocal processes. Nature uses none of the preconditions of the chemist or the physicist for the purposes of evolution. Nature excludes all fire, on principle, for purposes of growth; therefore all contemporary machines are unnatural and constructed according to false premises. Nature avails herself of the biodynamic form of motion through which the biological prerequisite for the emergence of life is provided. Its purpose is to ur-procreate 'higher' conditions of matter out of the originally inferior raw materials, which afford the evolutionally older, or the numerically greater rising generation, the possibility of a constant capacity to evolve, for without any growing and increasing reserves of energy there would be no evolution or development. This results first and foremost in the collapse of the so-called Law of the Conservation of Energy, and in further consequence the Law of Gravity, and all other dogmatic lose any rational or practical basis."***

In Viktor's view Western science and education generally left much to be desired. Our civilization suffered from a myopic compartmentalization of the mind, which prevented a detached overview, a synthesis of what was observed:

***"Today's science thinks too primitively; indeed it could be said that its thinking is an octave too low. It has still not ventured far enough into the realm of energy, and its attitude has remained development was necessary, for how else should a misguided humanity perceive the true interdependencies?"***

***"Without doubt, therefore, there is a definite intention to teach young people upside-down methods of working with which they have to miss-earn their daily bread. That is to say, instead of moving forwards, they go backwards all the more rapidly in step with the improvements in the contrary methods of motion. For only thus can today's teaching principles flourish."***

In contrast to contemporary science, Viktor saw *will and spirit* as the principal causative forces of physical existence. They work through the agency of various lower orders and magnitudes of energy belonging to the 4th and 5th dimensions, i.e. through those more subtle, non-spacial dimensions of being that are inherent, but are not perceived, in the three dimensional world to which we are accustomed. Of ethereal nature and endowed with very high frequencies and formative potencies, they could also be termed 'potentialities', which in their extremely sensitive and unstable state of energetic equilibrium await the right stimulus and occasion to manifest themselves. In being able to speak of these higher and therefore more powerfully and profoundly structuring dimensions of reality, Viktor's own comprehension of them must have been at the level of the 6th dimension, a level where the encapsulation and understanding of a given concept or phenomenon is both simultaneous and total. Perhaps this might be termed the dimension of 'thought' or pure truth, a crystal-clear transparency, a complete comprehension of the wholeness devoid of all uncertainty and unclarity.

From 1930-1933 Viktor Schauburger worked with systems for water regeneration and the production of high-quality drinking water for which patents were applied in 1934. This rather cumbersome prototype was later followed by an egg-shaped device which was much smaller and far more efficient. When tested to its extreme power, however, it developed such powerful internal suction that even mercury seals (of extremely densely packed molecular structure) were unable to withstand the enormous suction generated and leaked into the water undergoing treatment. Despite the fact that this leakage occurred only when extremely high vacuum effects were present, which were absent under normal conditions of operation, the Government argued through its consultant Professor Diering that the public could not be exposed to the hazard of mercury poisoning. Laying heavy emphasis on this, all further use of the machine for the regeneration and production of spring-quality water and super-distilled water was forbidden. Indeed Viktor Schauburger's machine had evidently offended somebody in high places, for it was confiscated and destroyed by the Austrian police.

Always a thorn in the side of scientific and government institutions, Viktor's long battle to save both the Rhine and the Danube from total ruin, was, ultimately lost through their rejection of his practical suggestions. In early 1932 he wrote a paper about the rehabilitation of the Danube detailing the measures that needed to be taken in order to reinstate it as the magnificent river it had been in days of yore. This paper was included as a separate chapter in "The Danube", a study undertaken by the International Danube Commission and consisting of submissions from the Danube's various contiguous countries.



When officialdom discovered with horror that Viktor's contribution had been incorporated into this major work, the whole edition was recalled, destroyed and republished in October 1932 omitting the offending article, disregarding the publishing costs of the original edition which amounted to over 100,000 schillings, which was a very large sum at the time. Whatever might have been thought of Viktor Schauberger in Austria, word of his abilities and the statements contained in his new book, "Our Senseless Toil – the Source of the World Crisis", evidently reached others ears, including those of Adolf Hitler. At a time when the relations between Austria and Germany were at an all-time low, Viktor Schauberger was summoned to an audience with the Reichschancellor Hitler, in Berlin. Special papers were arranged and all the documentation carried out within one day. Suddenly Viktor Schauberger left for Berlin and a meeting with Hitler, who greeted him warmly as a fellow countryman, telling him that he had studied all the reports about his work thoroughly and was very impressed with what he had learned.

Thirty minutes had been allocated for the discussions, which Prof. Max Planck had been requested to attend as scientific adviser shortly before he was rudely deposed from his position as Privy Counselor. This exchange of views eventually lasted 11 hours, during which Schauberger explained the destructive action of contemporary technology and its inevitable consequences. He contrasted this with all the processes of natural motion and temperature, of the vital relation between trees, water and soil productivity, indeed all the things he considered had to be thoroughly understood and practiced in order to create a sustainable and viable society.

When Viktor had finished his explanations, Max Planck, who had remained silent, was asked his opinion about Viktor's natural theories. His response was the remarkable and revealing statement that "Science has nothing to do with Nature". Pausing for a moment to take in this astonishing admission, Viktor then referred to the proposed four-year plan, the so-called Goering Plan, stating that, not only was the time frame far too short, but, if instituted, it would gradually undermine and ultimately destroy Germany's biological foundations. As a result, the Third Reich would last only ten instead of the boasted 1,000 years. (Viktor was not far out in his estimate!)

During the earlier part of the discussion, Hitler had been enthusiastic, but he became greatly perturbed at what he had just heard and ordered his technical and economic advisers, Keppler and Wiluhn, to discuss with Schauberger what could be done. Once outside the door, these two men demanded to know how Viktor had got in there in the first place. Angered at their truculently condescending air, he replied "Through the same door I've just come out of!" Seeing that his ideas had no hope of acceptance, and leaving them gaping, he returned to his hotel and left for Austria the following morning. Keppler and Wiluhn, however, were to get their revenge later, after the Anschluss on March 13th, 1938. Despite the new order after the Anschluss and the Sword of Damocles now hanging over his head, by now hardened to setbacks and with indomitable courage and a mind never still for a moment, Viktor quietly continued his research. His main drive was to investigate phenomena and correlations that interested him. Once he had discovered that something worked, he noted the fact, and then got on with the next project. He was never very interested in commercializing what he discovered.

As ever, he pursued ways of generating energy with water through the interaction of complementary, but opposite forms of energy. Examples of this were heat and cold, suction and pressure, electricity and magnetism, (in each case the opposites combine to create a unity) through their synthesizing, reciprocal interaction. He eventually came to realize that if a *suction effect* was ingeniously engaged *first*, and then *pressure* introduced *behind it* on the same axis, an extremely *powerful system of propulsion* could be created. According to his customary practice, in 1937-38 Viktor applied for patents for these new ideas. Once again he was the victim of deceit and his ideas were usurped, for, in a later letter to his son Walter, he wrote that copies of the preliminary application had been fraudulently obtained by Prof. Ernst Heinkel, the famous aircraft designer, through a firm of patent attorneys, Lehmann-Harlens in Berlin. By mining the information contained in this document, Heinkel obtained insights into how a jet-engine could be produced, even though he misinterpreted its findings; his first prototype exploded due to his lack of proper understanding. With a certain absence of principle, he then sought Viktor's collaboration in the project. Although some initial discussion eventually took place, Viktor did not cooperate, having become aware of what Heinkel had done, and further contact between the two men ceased. Using his ill-gotten gains, however, Heinkel persevered with his research, which culminated in the construction of the first successful jet-plane, its first flight being on August 27th, 1939.

Although Heinkel never had the honesty to reveal the source of the ideas for his invention, keeping all the kudos for himself this jet plane was nevertheless built as a direct result of Viktor's theories. *Viktor Schauberger is*



for himself, and jet plane was nevertheless built as a direct result of Viktor's research. Viktor Schaubergner is therefore the real father of the present jet age. He even went as far as to state that in order to develop and build fast-flying, supersonic aircraft successfully, the bodily forms of deep-sea fish should be copied. Today's 'stealth bombers' very much emulate these forms. In 1939 Viktor's personal research virtually came to an end, all the materials he needed being appropriated for war production. In 1941, however, he was summoned by Air Marshal Ernst Udet to discuss the growing crisis of energy production and means of solving it. Premises were subsequently set up near Augsburg for research and development, all of which came to nothing partly due to the death of Udet and partly because it was bombed by the Allies in 1942.

## [Return To Top](#)

In 1943, despite his incapacitating war wounds and 58 years of age, Viktor was declared fit for active duty and was inducted into the Waffen-SS, very much under duress. He came under the control of Heinrich Himmler, who forced him into research to develop a new secret weapon. Provided with suitable accommodation at Schloss Schonbrunn, the nearby Mauthausen Concentration Camp to supply the workforce of prisoner engineers, Viktor was threatened with his life if he did not comply with orders and carry out this research.

In spite of these threats, however, Viktor put his foot down and demanded from the SS Command the absolute right to select the various engineers he needed. He further demanded that any technicians he chose were to be removed entirely from the camp, fed properly, dressed in normal civilian clothes and billeted in civilian accommodation, otherwise they would be unproductive. As he explained, people who live in fear of their lives and under great emotional stress could work neither consistently nor creatively. Surprisingly the SS agreed and so Viktor selected somewhere between twenty and thirty engineers, craftsmen and tradesman from Mauthausen, to be accommodated in various houses near the plant.

When they were all assembled, Viktor exhorted them to work as hard as they could, but under no circumstances were they to attempt to escape, otherwise his own life would be forfeit. They set to work with a will, and, while not understanding what Viktor was trying to achieve, they nevertheless carried out his instructions faithfully. Two machines were eventually built, one called a '*Repulsator*' and the other a '*Repulsive*', reflecting their forces of recoil. Accurate information about them is difficult to obtain, because after the end of the War all top-secret information was confiscated by the Allies - the Russians, French, English and Americans - and is therefore no longer available to the general public.

**Both machines** operated with the densifying forces of *implosion*, which are far more powerful than those of explosion. This is why Viktor Schaubergner was eventually taken to the United States in 1958, because the Americans obviously knew that he had been working on such prototypes, the Russians too, since they had thoroughly ransacked his apartment in Vienna after they occupied the city. Viktor Schaubergner was lucky, however; because due to the bombing of Vienna, he had been moved by the SS, together with his team of engineers, to Leonstein in Upper Austria. Therefore at the end of the war in May 1945 he came under the jurisdiction of the American forces of occupation.

In Leonstein Viktor was placed in protective custody for six months by the Americans and quartered inside a doubly-fenced and guarded perimeter. This was done partly to glean information about his involuntary, though to him useful wartime research at Mauthausen and Leonstein, and partly to prevent his abduction by the Russians. For Viktor however, this was a time of reflection and reassessment of his future.

During this immediately postwar period food was still extremely scarce and many people were suffering from malnutrition. When he was ultimately released, eventually moving to Salzburg in late 1946, he then set about applying his wide knowledge to agriculture and the systems of cultivation then in use. In collaboration with Franz Rosenberger, he was able to demonstrate that significant increases in productivity could be achieved using the knowledge he had acquired in Bulgaria before the war. All progress in this area subsequently being blocked by corrupt politicians in 1949, Viktor then returned to his study of implosion, energy generation, and water movement, trying with his limited funds to pick up the threads of his earlier research, culminating in a scientific investigation and vindication of his theories on the natural flow of water at Stuttgart Technical University in 1952 under the direction of Prof. Franz Popel.

With enquiring mind and tenacity of purpose. Viktor continued to work on his various devices. Aloys Kokalv. the



publisher of *Implosion*, a magazine devoted to Viktor Schaubberger's theories, and a former corporal in the Waffen-SS who had managed by devious means to procure materials for Viktor's research at Schloss Schonbrunn, asked him why he was still working so hard, to which Viktor replied:

*"I must furnish those who would protect or save life, with an energy source, which produces energy so cheaply that nuclear fission will not only be uneconomical, but ridiculous. This is the task I have set myself in what little life I have left."*

The product of this last personal effort is the home-power generator, which, due to Viktor's very limited pensioner's funds and its resulting crude, unsophisticated construction, did not function as well as he had hoped, for as it transpired, this machine was an unfortunate compromise between the geometry of mechanics and that of organics. It was a miserable culmination to the life's work of this quite remarkable man.

His overriding desire was to provide present and future generations with the ability in terms of knowledge and machines with which to usher in and sustain a golden age of prosperity, peace and harmony. His chief problem was always to find honest and unselfish people to help in the development and production of the various apparatuses needed to bring this about. In many instances his trust was sadly misplaced, as illustrated in extracts from a letter of the 4th February 1958 to a friend, a certain Mr. "R", about 7 months before Viktor died. He had had no appreciation or support from the government or anyone else in Austria. So when he was eventually approached by Americans who expressed an enthusiastic interest in developing his theories on implosion, Viktor felt that at last something positive would happen; for America was such a powerful country with tremendous entrepreneurial energy. He was by this time quite exasperated at the behavior of Europeans and what he had suffered at their hands, and in a conversation with Aloys Kokaly, Viktor, somewhat embittered, declared:

*"An American aircraft consortium offered me 3.5 million dollars; a similar offer was made by Canadian interests. You didn't want it in Europe, so now you'll have to get it back from America expensively!"* This all came to pass, but as we shall see, nothing ever came back to Europe, nor to the rest of the world for that matter. *This has been the greatest loss and misfortune for humanity at large.*

Now for some real "fun"! As on my Nikola Tesla pages, I simply can not resist the opportunity to start everyone thinking deeper on each of these subjects...and, quite honestly, our very lives, and the life of Planet Earth could depend on all of us taking up "new" and better practices, when it comes to how we treat our environment, our bodies, agriculture...and WATER. Yes...plain ol' common WATER.

An "Egg - shaped" Compost heap...?! So what's this about? Anyone with an interest in their own health, in agriculture, ecology and even the well being of our precious planet must include the knowledge of Viktor Schaubberger in their studies.

By the close observation of nature, Viktor unraveled the secrets of our planet's life giving liquid, the blood of our earth and most valuable resource WATER. Alas, much of his work fell on deaf and cowardly ears, for so powerful were the things he clarified that his inventions were abused, ignored, destroyed or invalidated by those of self vested power with small minds and covert intent.

If he had been heard, understood and embraced, many of our worlds troubles would be resolved. From his technology of "Living Water" comes an endless supply for drinking and even enough to quench the thirsts of deserts so that they may grow crops. His understanding of it's nature of flow led to devices that harness the power of centripetal motion and implosion. From the vortex comes the frictionless generation of electricity, powerful kinetic motive power and levitation! A word of advise to all who surf here...Search out and learn the knowledge of this wise man.



Why an egg shaped compost heap? Find out for yourself...pick up a copy of "Living Energies" by Callum Coats, listed below. The following is just a peek at some fundamental data Viktor Schaubberger has revealed. It has relevance for us all, and I trust it will stimulate you to think, then take action. Here are some notes from the book "Living Energies" enjoy and THINK! EDC



**Living Energies ...enjoy...and - ~~THINK~~ ... FDS.**

## **[Return To Top](#)**

**Water, as it relates to drinking water. Without water, organic life quite simply, would not exist.**

We all require it, and when we use poor quality water we covertly compromise our good health. Global thoughtless use and abuse of our earths' water has now gotten to a point where our entire planet is at risk of pollution and disease and ultimately major planetary catastrophe. Many an opportunist will profit from the "clean water" that he sells, you are already being encouraged to use it, and guess what?? The water you buy in the shops is still not up to the vitalizing, nourishing quality your body deserves...!! So, in the here and now, mankind's continued ignorance and abuse will destroy the fundamental resources of our earth... it's water, air and soils. Without these simple things, we can never expect to see prosperity, good health or personal freedom as God-given human rights.

So, lets take a look at what Viktor Schauberger reckons, when it comes to determining what kind of water is good to drink:

**Distilled water** - Distilled water is evaporated to steam then condensed as a pure fluid; it appears chemically clean. In this state, water by it's intrinsic nature, will draw to it's self anything it can dissolve in order to fulfill a basic function...that of a carrier of substances. Distilled water will only remain so, as long as it is not given the opportunity to make contact with soluble materials.

**Drinking distilled water as a regular routine is dangerous!!** It acts as a purgative and will strip trace elements and minerals from your body!! Don't buy too much of this stuff at the shops and don't use a distiller to drink from...you have been warned!

**Rain water** - With an unpolluted atmosphere, rainwater is the purest naturally occurring water in nature, but unfortunately much of our globe no longer has this occur as acid rain is a direct consequence of our ignorant ways. Like distilled water, rainwater is unsuitable as drinking water and should also be avoided over a long term basis. Rainwater could be seen as a young adolescent that has yet to go through the maturing process the earth provides.

**Juvenile water** - This water comes from the ground, often from great depths and forced upwards (maybe appearing as a geyser) or pumped to the surface as from a deep bore. It is still lacking it's quota of minerals and is deficient in dissolved carbons. As drinking water goes, it's marginal at best.

**Surface water** - It has contact with the earth so the opportunity of it to dissolve materials is present. Keep in mind that pollutants with in a particular area are definite minus points. Surface water is also generally exposed to direct sunlight, and when collected into and stored in an open dam, the water's energy value becomes damaged by the influences of the heat and light. Note: drinking water should never be exposed to direct sunlight...!!

**Groundwater** - Retrieved from the ground, this water is getting pretty good as it generally has a high dissolved mineral content. In it's journey above the impervious sub stratum it may appear as seepage springs in gullies, or as shallow wells.

**Spring water** - The prime source of vitalizing drinking water. It is ripe in minerals, trace elements and dissolved carbons. It's high state of vitality is seen in it's shimmering energetic bluish color, no other water looks like this. The water rises from the earth with the qualities of levitation, it is very cool and will approach the anomaly point of +4 C. The streams they create are collection points for drinking water, and provided the stream is not contaminated by agriculture and human habitation, it remains very drinkable, well worth the finding...

Viktor invented a machine that could use most any unpolluted water and process it into spring water. With this machine he acquired the name "The Water Wizard" because the water he produced had powerful healing qualities. Viktor was able to achieve the remission of cancer for many people, but he soon came into opposition



quantities. Viktor was able to achieve the remission of cancer for many people, but he soon came into opposition with the authorities who accused him of charlatanism and being unqualified to practice healing. His machine was confiscated and destroyed...!!!

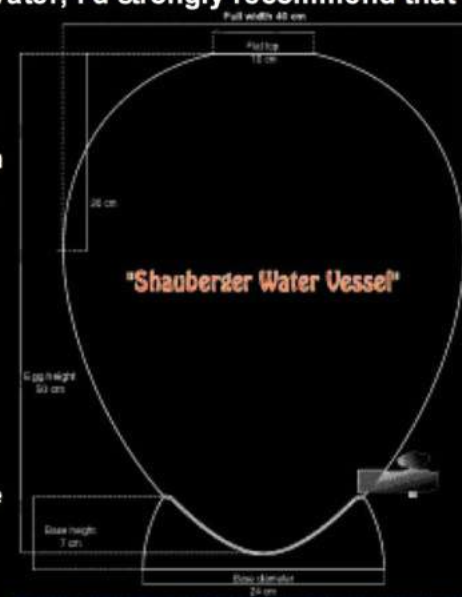
## Storage of drinking water.

If you are fortunate to live within reach of true spring water or quality ground water, I'd strongly recommend that you collect it, take it home and drink just it.!!

On "missions", I've traveled to get good, pure, drinking water, and (in Europe) I've collected it in large glass bottles. Brim full the bottles; then seal them with a cork. Ensure you leave no air in the bottle as this helps to stop the water from slopping around inside. Secure them well for your journey, then cover to keep out sunlight. Once home, transfer the water to your storage vessel. A suitable storage vessel for your drinking water must comply with a few fundamental parameters.

## Return To Top

- 1.) The vessel needs to prevent light from reaching the water within.
- 2.) The vessel will encourage the water to circulate via an internal temperature gradient.
- 3.) The vessel will keep the water cool.
- 4.) The vessel has a lid to prevent dust contaminants from entering.



With these parameters in mind, an egg shaped container is made from terra cotta clay. The terra cotta is porous and allows evaporation to occur on it's outside surface thus facilitating both cooling and circulation. It stands on a vitrified clay (being water proof) base. It has a lid and ideally a spigot tap made from wood. You'll see a design drawing I've done for the vessel. It has a 40 liter + water capacity. You can purchase one of these "egg shaped" Schauburger water vessels from one of the links, below. Order through the "Center For Implosion Research". Back to the story...see if you agree with, or maybe even "know" the answers to these questions:

## Questions for Science asked by Viktor Schauburger:

### ENERGY

- What is it that keeps the Earth floating in space?
- Why does a top stand upright when it is spun from the side?
- What is temperature? What is heat?
- What is cold?
- What is energy?
- What is evaporation?
- What is vaporization? What is dissolution? What is combination?
- What is absorption?
- On what effects are these processes founded?

### MAGNETISM

- Why do the magnetic lines of energy run from south to north?
- Why does the Earth rotate from west to east?

### THE SUN

- What serves the sun as a carrier of light and heat, if, in the view of our learned scientists, space is a vacuum?
- Why do gases condense with a decrease in temperature?
- Why don't the fiery gases of the Sun, with supposed temperatures of over 6000°C, stream out into space?



Why is the light and heat in the tropics more diffuse and at the poles the Sun's light more intense and its radiant heat less?

## ATMOSPHERE

Why doesn't the Earth's warm air rise?

Why is it so cold at the top of a mountain, i.e. nearer the sun?

Why in our houses is it warmer nearer the ceiling and colder at the floor, when an artificial source of heat is used?

Why does marble expand with heat and why doesn't it contract again with cold?

## EVAPORATION

Why is the desert so dead despite all the heat?

Why do damp tiled roofs dry out from the eaves towards the ridge?

## WATER

Why does the groundwater in wells rise far above the surface of the ground?

Why don't wooden posts rot under water, but above it always?

Why can rising cold water pierce through the hardest rock?

Why does water pulsate and breathe?

Why does groundwater manage to remain on the sides of mountains?

Why, growing colder and heavier, does it rise upwards?

Why does it frequently spring from high peaks?

## [Return To Top](#)

## RIVERS

Why do west-to-east flowing watercourses fertilize their banks?

Why are the banks of east-to-west flowing rivers so barren?

Why are the banks of south-to-north flowing watercourses fertile on one side only?

Why do rivers flowing into cold seas migrate laterally to the north?

Why do deltas and estuaries develop?

Why does a trout stand still in a raging torrent, as if by magic?

## THE SEA

Why is the water at the poles warmer at the bottom?

Why is the sunlit surface at the poles so icily cold?

Why doesn't the warmer, lighter bottom-water of the sea rise upwards?

Why are the water temperatures at the equator so warm?

Why is it that it gets colder with increasing depth?

Why does it get warmer again below the boundary layer of +4°C?

Why does life below this boundary layer begin anew?

Why does the salt content of the seas vary?

Why do herrings migrate northwards in winter?

Why do deep-sea fish glow?

Why can the warm Gulf Stream push the cold seawater aside and wend its way for thousands of kilometers over mountains and valleys in a reversed temperature gradient without the assistance of a mechanical gradient?

## BLOOD

Why do cold-blooded animals carry fever-inducing poison? Why does a cold fever occur in the tropics?

Why does a warm fever arise from a chill? What is fever anyway?

Why is our body-temperature subnormal when climbing a mountain and above normal as we descend?

Why does the heart beat in our breast?

Who gives this muscle its impulse to move?

Where is the motor for this pump? Why does blood circulate in our blood vessels?



Why do the fluids in a chicken's egg circulate without a heart? Why do we breathe day and night, when asleep and even when totally unconscious? Does the heart beat because we breathe, or do we breathe because the heart beats?

## TREES

Why have light-demanding timbers a thick bark and shade-demanders only a thin one?  
Where is the heart of a plant?

Did this page get you thinking? We've got a long way to go...review the books and links to products pertaining to Viktor Schauberger...and continue by clicking on the "PAGE TWO" link. The books and links are duplicated on all of the Viktor Schauberger pages...you will always be able to navigate to them easily. As a "bonus", on 'PAGE FOUR', I've included links to products that utilize the Schauberger theories and principles. There are a number on companies that are striving to replicate the work started by Schauberger, and these links represent what I believe, are the best out there. Take some time to visit their websites and review their products. 'Nough said... On page two, we will more deeply explore the subject of "WATER". Let's go...

## [Return To Top](#)

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*" I must furnish those, who would protect or save life, with an energy source, which produces energy so cheaply that nuclear fission will not only be uneconomical, but ridiculous, This is the task I have set myself in what little life I have left"* Viktor Schauberger...a letter to Aloys Kokaly, in 1953.

If you think about it for a while, I am sure you can think of many ways that nature uses a spiral, or vortex pattern. We all are familiar with the conical windings of sea shells, the spiral patterns of stellar galaxies, and even to ourselves, with our RNA and DNA structures in our bodies. Hurricanes, twisters, tornados, and cyclones, all of which are some of the most destructive storms and forces on our planet, all form the classic vortex spiral pattern. You must be familiar with the water flow out of bath tub, forming a vortex spiral down the drain...it spirals in different directions depending on which part of the planet you are on - counter clockwise in the northern hemisphere; clockwise in the southern hemisphere. You may have even emptied liquid from a bottle by shaking it to form a vortex and noticed it emptied quicker than if you had not.. It takes only a small amount of energy to get the vortex going, but, with the aid of gravity, the mini cyclone continues until the bottle is emptied. An American inventor built and patented a water ram pump from information involving the spiral flow which he claims to have gleamed from a visit to the Egyptian Pyramid. There may yet be a truth in the old laundry detergent advertisement of a white tornado in a bottle, admittedly, a big one. Mankind's only real attempt to utilize the spiral vortex is in weapons of destruction by using a rifled barrel in arms ordinance to give projectiles flight stability, distance, and accuracy.

## [Return To Top](#)

Common sense, and Viktor Schauberger's own inventions, give us clues to how we may be able to tap this almost seemingly limitless energy potential. We have already discovered, through Schauberger's own theories, and later confirmed by scientists such as Hebrand, and Hasselburg (see my ["water power"](#) page) that there is more energy and power available in flowing water, accelerated through a spiral vortex than is available from the same volume of water restrained and then flowing over a dam, on a scale of 9:1, in favor of the former, *vortexian* power. Clean, environmentally friendly, unlimited power is available all around us, yet, due to our conditioning from "big-business" and others, we refuse to accept and look closely at these alternatives. Schauberger did...and, following his lead, my company, ["International Turbine And Power"](#), will. Let's continue with our story.

During World War Two, Victor Schauberger was interned in a Nazi concentration camp and was forced to work



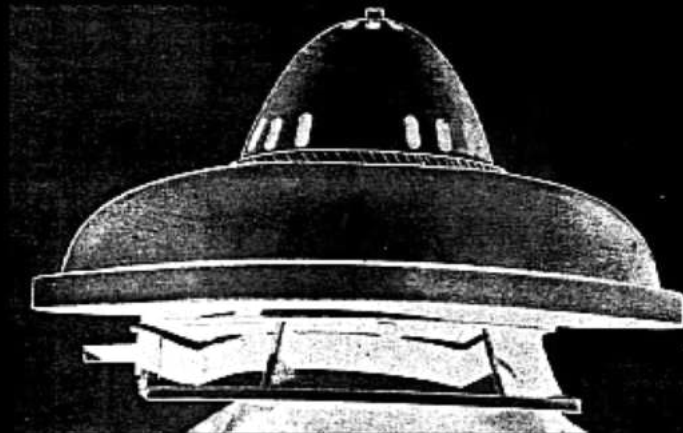
on a flying disk project using his ideas. (If you missed [PAGE ONE](#) and [PAGE TWO](#), go back now, and review for the actual stories!). It is not known if the project was completed, or, if the saucers actually flew in Germany.

Reports vary, and no *confirmed* documentation remains. It is rather convincingly coincidental, however, that our own (US) pilots reported "strange flying disks" over Germany just prior to the War's end. After World War II, Viktor migrated to the United States on promises by various agencies (CIA) to help him develop and test his ideas. Those promises later proved to be hollow. He went to a facility in Dallas Texas, and under uncertain direction, signed over all of the rights to his inventions and patents, to, none other than the US government (Army, Navy...who knows?!). He was sent back to his home-land of Austria, only to die, broken and disillusioned five days later. It would make a great headline for the 'National Enquirer'...and unfortunately...it's TRUE!

Schauberger may have died, but some of his ideas remain. He suggested that we look at the *cooling* (implosion) cycle and not always be focused on the waste-heat produced from our devices (fission, explosions from internal combustion engines, jet turbines, etc.). The *explosive* force we now use to provide energy, such as in the automotive combustion cycle, for example, tends to be harmful to the environment, while the *implosion* equivalent (Nature's way) may not be. We should be working with the laws of natural forces instead of using wasted explosive energy to oppose them.

In order to power its machines, today's *science* gives priority to an oxidizing or metabolic process, wherein oxygen (atmospheric oxygen)- the natural stuff of breath - consumes the lower oxide or pro-toxide (a type of metallic calc or calx) which contains valuable growth-factors and which is a geo-spherical formative substance. This interchange of substance (metabolism) is referred to as the 'normal' combustion process and people are of the mistaken opinion, that it gives rise to those carrying, shifting and orienting forces that move and animate our bodies. This 'normal' process of combustion, whose dynamic product Nature uses to break down, decompose and eliminate the evolutionary unfit, is triggered in such a way that at about +40 degrees Celsius (+104 degrees Fahrenheit ) through the application of heat or fire, the oxygen becomes aggressive and belligerent. If it is heated further, then it becomes even freer and more dangerous, leading to the decomposition of blood, water and sap. At this point all life-functions of whatever kind cease in all growing, living and autonomously moving things...Viktor Schauburger's approach, as we shall see, is quite different.

The invention (The Repulsine) makes use of the fact that the presence of certain substances, especially metals such as copper, silver or gold, for example, or those substances collectively termed synthetic resins (plastics), which are decisive for the progress of the vital functions in liquids or gases (air) and whose effect can, in part, be described as *oligodynamic* (decay-producing effect, as envisioned by Schauburger). Therefore, if the said course of motion of the substances to be dissociated is also allowed to proceed "*oligodynamically*", then the severing of the atomic bonds can be successfully achieved to a large extent and considerable energies freed. These freed energies can readily be brought into new combinations, such as for the further development of the atoms of primary gaseous substances into liquid or even solid formations or these energies may be drawn of or diverted in some other way.



On this page, I will try to give you a possible explanation about the working principle of "the Repulsine" flying saucer from Viktor Schauburger (1938-1957). Simply "click" on the image thumbnails for a larger view. This document is the synthesis of a fine analysis on pictures of real working devices, on Schauburger's researches in vortexes (implosion principle) and on some technical papers from Henri Coanda (1886-1972) and Bernoulli's principle. [PAGE FOUR](#) of this site will offer even more detail, and quite a number of surprises, as well.

An original picture-sketch of the "Repulsine" ( Left ) : A flying model of a Schauburger Repulsine, Type A, tested in January 1940. This device has been built with copper and uses a very

high speed motor for the main vortex turbine. The Repulsin Type "A" device is an Electro-Aero-Dynamic device (E.A.D.) and uses two effects :

1.) The Coanda Effect: a pure Aerodynamic effect based on the Bernoulli's principle.



2.) The Electro-Dynamic effect : The high speed vortex in the "vortex chamber" produces an electric, charged separation effect, called "the diamagnetic effect " by Schauberger. These two effects, combined, create the so-called "implosion effect".

## Machines of Genius - The "Repulsive", or Suction Turbine of Viktor Schauberger:

### [Return To Top](#)

*The following is taken from the Schauberger British and/or Austrian Patent Number 146,141 March 4th 1940, filed in Austria. The entire patent information can be found in Callum Coats book - "[Energy Evolution](#)" page 170-195. Additional comments, construction notes and design parameters by [Frank Germano](#), and [Dr. J Bailey, PhD](#).*

Two circular sheet metal plates made of silver-plated or amalgamated copper are press-formed in such a way that they are endowed with a waveform shape, and are superimposed on one another in such a way as to create a waveform, interstitial space. Both plates are maintained at a distance from one another by already known methods. The lower plate, is attached to the backing plates, which are insulated from one another by a hard rubber plate. On the upper plate, two, three, or more, cover plates are mounted in such a way that they initially rest on the wave-crests of such plate before gradually tapering downwards into the wave-troughs. In this way, the narrowing pressure-chambers are formed, whose longitudinal axes run parallel to the circumference. On the inner inclined surfaces of the upper plate, narrow slits are incised. The central component incorporates a spacer ring. Spacer rings, incorporating nozzles can be provided in the interstitial space. Furthermore, the hollow shaft opens into the cup-shaped component, whose inner surface is advantageously fluted, and which has exit openings into the interstitial space.

If the device is caused to rotate rapidly, then the liquid or gaseous substances entering the pressure-chambers will be impressed downwards and sideways through the slits, into the interstitial space, in which a considerable suction evolves, so that the space acts as a suction-chamber. The whole device therefore represents a kind of multi-stage centrifuge, each concentric wave being regarded as a stage. It can readily be understood that the liquid or gaseous substance present in the pressure-chamber, having been subjected to strong pressure forces here, immediately passes through the slits in the pressure-chamber walls and partially expands. At an appropriate rate of rotation, a maximum pressure will be reached, under which a bio-electric energy evolves, with whose aid, the primary combinations of the through-flowing liquid, or gaseous substance, will split up, whereupon these freed energies can be synthesized into any desired form or be drawn off.

As material for the two plates, silver-plated or amalgamated gold, or synthetic resins (plastics) can be used. If plastics are used, and seawater, for example, is impelled through the suction-chamber, an insipid fresh water is obtained as a result of this process. The arrangement can be so designed that like upper plate, the lower plate can also be provided with cover-plates, so that the pressure-chambers lie on both sides of the suction-space.

An original picture of the vortex turbine. The vortex area is in the middle. The vortex chamber has been removed. A front view of the "Repulsive Type B", showing the primary hull and the vortex chamber. "The Repulsive Type B", right. Again, "click" on any of the images for a full-size view.



### [Return To Top](#)

When the main electric engine is started, the Coanda effect begins to create a differential aerodynamic pressure between the outer and the inner surface of the primary hull. At a higher speed, the vortex chamber becomes a kind of high electrostatic generator due to the air particles, in high speed motion, acting as an electrical charge transporter. The "Repulsive" will begin to glow due to the strong ionization effect of the air. Now, we have all the ingredients for a continuous and strong Aether Flow along the main axis from the top to the bottom of the craft...The radial air pressure required for lifting 1kg with the Coanda Effect is about 1,4 kg/cm<sup>2</sup>

In the "Repulsive Type B" the vortex turbine has been improved for increasing the "Implosion Effect" and thus the lifting force, so you will find below a possible explanation about the working principle of "the Repulsive" type B.



many force, so you will find below a possible explanation about the working principle of the Repulsine type B flying saucer from Viktor Schauberger.



The upper membrane is fixed and the lower rotates at high speed. On the edge rim there are special shaped blades ( boomerang shaped blades ).

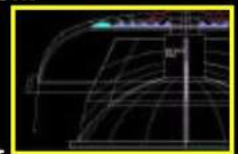
There are 120 blades ( 3 degrees spaced ).

The enhanced vortex turbine increases significantly the "implosion" effect in the vortex chamber. This contributes to it being able to generate a stronger thrust than the centrifugal turbine used in the "Repulsine type A". By means of a suction screw-impeller, (which revolved from the outside towards the inside along a cycloid, spiral, space-curve), the same type of force is generated which creates twisters, cyclones, and typhoons, through the effect of *suction*, or implosion.

In 1941 several models had been built. One of them had a diameter of 2.4 meters with a small, ultra-high-speed, electric motor. A few moments after the device was started, it climbed straight up into the air so suddenly that, unfortunately, it hit the workshop ceiling with such force that it was destroyed, and crashed to the ground in pieces...

The implosion motor uses the *suction* forces of implosion; there is no heat barrier and no sound barrier, because with friction almost entirely lacking, no heat is generated. The air flows through the rotating air inlets, placed in the middle, and follows the gap between the double membranes (with the wave pattern). This creates a spiral contraction of the flowing medium and creates a vacuum which increases the "pull", via implosion.

## [Return To Top](#)



The enhanced vortex turbine uses two flat membranes with concentric "rills" on it. A wave pattern has been set on the upper and on the lower membrane. The upper wave is slightly out of phase with the lower wave. This is a direct application of the "Coanda" effect.

The air flow passes through small cavities where the volume sometimes is larger, and sometimes smaller, due to the difference in phase relationship between the upper and the lower membrane. When the air passes different cavities it starts to pulsate. (see illustration - right)

The pulsations are directly dependant on the angular speed of the discs. This "push-pull" action creates an harmonic pulsation of energy...



To the Left is another picture of an original prototype showing the major components of the "Repulsine, type B" engine. The air, being drawn in from the top slits, is set into a spiral vortex movement. Schauberger had claimed that once the devise was set in motion, the primary motor could be switched "off" and the forces at work would power the generator, which was housed in a central location inside the craft. For more information on this, see references in the book, "[Energy Revolution](#)", below.

**How it works:** The "REPULSINE" uses a cold-water injection between the bottom plates that alternately expands and contracts the air input by the principle of "thermodynamics" (example: as can be found between a cold-water reservoir and hot desert air). In Texas, a water pump is using this exact same effect. The Texas pump has a 200-gallon tank, which has a hot air intake valve on top and periodically withdraws warm air from the surrounding atmosphere. At the tank's base, there is a single, shallow, well water pipe, which brings cold water into the tank. This effect is simple to demonstrate. The tank begins to rock on a central fulcrum and expels water from a long pipe centrifugally attached to one end of the tank. This oscillating pipe maintains a backpressure that prevents the water being pumped out from being drawn back inside the tank. Every 30 seconds, a new volume of hot external atmosphere is drawn into the tank and imploded. This causes a remarkable increase in the tanks oscillation. The oscillation is due to the intake water supply's uneven internal distribution. In effect, the tank is gravity powered.



The “REPULSINE” uses the same phenomena. Cold water, drawn through a base hole, is spun in between the two wavy impellers and cools the air inside the units’ shell. As this partial vacuum draws in the air, it is spun into a cyclone by intake fins. After the air is cooled and humidified, still spinning, it is then expelled from an upper turbine, which reacts with the exiting cyclone. This centrifugal air has so much angular momentum that it is able to leave the Repulsine, even against a strong internal vacuum. That is a direct analogy to the rocking, tank implosion-based water pump, described above.

## [Return To Top](#)

The hot, rising vapor, trapped in a snail-shaped chimney, is lighter than the surrounding dry air and adds to the suction on the “REPULSINE’S” top. The upper turbine, spun by the exiting cyclones’ action, directly drives the internal wavy vaporizing discs, which atomize the cold intake water. The electric motor (used for starting purposes) only has one purpose, and that is to spin up the vaporizer so that it properly atomizes the cold water from the inlet hose. The power source is implosion of hot, dry, desert air.

Remember that the power source is the *Thermal difference* between *cold ground water* and *hot, dry desert air*, just as is done in the implosion tank-rocking water pump from Texas. There is no mystery here. This device does nothing but convert the energy present in the combination of cold ground water with hot dry atmosphere. That is how it actually works. In many ways, it is similar to Schauberger’s water turbine, which also uses a pulsed pressure reservoir. I have worked extensively on both designs. Keep in mind that without the cold-water input, the pulsating vacuum trapped inside the “REPULSINE” soon diminishes and stops. There is a lot of mystery behind this device.

To quote verbatim on what Schauberger said: *“I connected the implosion motor to an outdoor water tap and it began to spin and finally took off, powered off of nothing more than ordinary, cold, tap water.”*

If you look at the “REPULSINE” you will find a water pipe beneath, sticking out to the side. Schauberger was a master of water implosion technology. It is possible to “cool” air by simply pulling on a piston, but you require work to do that. At the same time, if you compressed air in a piston, it will get “hot”. That requires force over a distance or mechanical work to accomplish. You see; there is no “gain”! Simply expanding a piston and contracting it (or a vortex) accomplishes little more than creating a spring. We all know springs eventually stop bouncing. Schauberger’s expanding and contracting tornado also eventually ceases without an energy source. Recall the Hilsch-Rankine tube or Maxwell’s demon. The tube generates spiral airflow and creates hot air in the large tube and cold air -140F in the small diameter tube. In order to accomplish this, compressed air in large volumes must be used for its ability to do work. No free ride there. It is possible to make a vertical tube howl like a banshee, but the second the flame is removed from the tubes’ inside wall - the resonance stops. Again, it requires a defined energy source. That is Viktor Schauberger’s secret.

Consider this carefully: When the “rams horn arm”, the *Whorle-pipes* of Viktor’s water turbine, approaches a valley (serrated ring at circumference of his turbine), warm chamber air is drawn inside the forming vortex pocket (that air is warm do to natural convection currents, which are of low density and hot at the top of chamber; high density, cold air at the chamber’s bottom). Now here is the earth shaker. As the now warm pocket of air is drawn into the Whorle-pipe tip, it approaches a “hill”, and along the serrated edge, it closes the mouth of the Whorle-pipe’s vortex. This collapses the air bubble since the water is cold in the arm (drawn from the cold basins’ bottom) and pulls the arm toward the hill by a low-pressure suction. Now, our induced vortex bubble is smaller and consists only of cold air. It must be released with the secondary spray issuing out the v-slot in the Whorle-pipe’s tip. We have used the mechanical energy of the condensing warm air vortex bubble. The vortex also loses cohesion because its base flow is blocked, and this further assists the removal of water ([the “Pharaoh’s Pump” effect](#): this is an excellent website, by the way!).

Now our Whorle-pipe inside Viktor’s water turbine swings to a new valley rim serration (and a new warm air pocket forms) and the implosion process starts all over again. The water turbine must absorb heat in this manner or stop spinning. The usefulness of a collapsed cooled vortex bubble is “finite”. That is why Schauberger’s rim is serrated. That is also why it appears to rotate in reverse (recall the egg in the bottle experiment). So where does Viktor Schauberger get his energy? It comes from natural thermal stratification found in any sun-warmed room that sits atop cold ground water. Nature constantly restores this balance. The basin water is denser than air and



very cold at the bottom do to convection cells in his basin. That is the very water we draw up to operate his implosion arms. The upper room air is warm (also due to convection currents). The heat conducts into his shell easily. That is Viktor's thermodynamic water and air secret. You can repeat the egg in the milk bottle experiment any time to see the suction involved.

Viktor's device had a diamagnetic field do to the effect. Once he noticed that when sand is dragged along a streambed, it gives off piezoelectric sparks. He was a most amazing man. According to Schauberger, a water and sand "slurry" was best for this charging effect. The "REPULSINE" uses a cold water pipe to cool air in its chamber. But it is not absolutely required after spin-up. The shell becomes very hot as air is compressed from induced vertical updrafts surrounding the Repulsine. This vortex that forms above the Repulsine maintains its suction and continues to intake large quantities of atmosphere which is then cooled at the small base intake hole's internal cyclone. In effect, the "REPULSINE", like Maxwell's demon, separates the hot and cold air by conversion of external updraft momentum and uses it to draw more airflow to the "REPULSINE". Sailplanes are passive convection cell users...Viktor's marvelous machine is *active* (!) - feeding back heat to enhance its own updraft. Where does the heat come from, as it is impossible to alter natural vertical flow without generating heat? That is simple momentum conversion. *It heats itself!*

It comes from the HILSCH-RANKINE tube effect. The shell gets very hot as the inside cools and implodes and the outside edge heats. You are actually pushing great quantities of air into the "REPULSINE", as well as forming suction above it. That is known as the "firestorm" effect. If you want to generate an updraft in a chimney you must warm it. The outer shell becomes very hot. The inside center cold. This creates a resonating flow effect. If this "REPULSINE" did not oscillate between high and low pressure it would not intake as much air. That air can, by centrifugal compression at the shells' rim, be directly converted into heat to maintain the effect. Look at the Hilsch-Rankine tube. It has the same exact effect. The mechanical flow of the external air (driven by natural solar convection currents) is a direct analogy to the compressed air used to drive the Hilsch-Rankine tube. *The "REPULSINE" is not internally powered.* It is driven by *external flow* that is sub-ducted into its internal cyclone and generates a hot and cold region just as the Hilsch-Rankine tube does. The water and 1/20th horsepower motor is only used to start it.

I know that it is a lot to grasp. Viktor Schauberger, along with Nikola Tesla, Leonardo De Vinci, Galileo, Pythagoras, and a few select others (hey...I'm allowed my favorites!), was probably one of the smartest men that ever lived. It took me months to make the smallest discoveries in relation to his work. Be mindful of what I have told you about the water turbine and "REPULSINE", as it is all very easily verified. Remember, it uses an internal coolant and motor to start (1/20th horsepower) and external convection cells drawn into his base intake, which power his hot-and-cold producing, updraft-enhancing cyclone. The water turbine is powered off of the "milk bottle and the egg experiment"; warm air condensation pockets trapped inside his Whorle-pipe arms. The atmosphere and convection cells from thermal density stratums - naturally present in a warm room over cold ground water - also power it, only passively.

I want to discuss the theory and the inherent hazards in building these devices. It is absolutely stupid to confine air in a chamber under centrifugal or static pressure without a certified mechanical engineer to test and verify the pressure vessel that you are experimenting with (water turbine & Repulsine). Seek out a qualified Mechanical Engineer before attempting to build one of these devices! I am certain everyone is aware of the way a "smoke ring" is created. What is a smoke ring? It is a puff of swirling vortex, created as air is forcefully driven from a hole, which creates a low-pressure torus at its center, holding the external vortex into a coherent unit. That, in effect, is a type of flywheel. In physics lectures, a professor will place a solid wooden box on a table, and behind it, a strong rubber diaphragm. In the front and middle is an aperture that induces the smoke ring. This apparatus is found in "Physics Demonstration Experiments" volumes 1 & 2...It's a tan hardcover, large book. Another term is Hemholtz ring. This ring has very important significance to the "REPULSINE", as it is yet another sign of Viktor Schauberger's genius. Now, exactly why does Viktor use those concentric rings? This has caused far too much speculation over the years. The center of Viktor's "REPULSINE" is a hole at the bottom that admits the hot, rising desert air (induced from the external updraft formed around the "REPULSINE" when in operation).

Seeing this base hole in a diagram, we now must understand its purpose. If we simply spun a centrifugal turbine in the base of our "REPULSINE" it will heat up at the rim shell. That is do to compression of air and is agreed upon by engineers the world over. Viktor went a step further in order to remove the turbulence. He did a rather



brilliant thing. He induced (by imploring all of the concentric plates) a “smoke ring” or “Hemholtz” ring. In simple terms, the air enters the “REPULSINE” as a large smoke ring. We must be careful here. The end result is that that smoke ring snakes around inside the concentric plates and becomes smaller and smaller in its toroidal diameter. That is the measure of the rings smallest diameter, not the measure of the entire ring, only the thickness of the smoke ring. These rings are blown in at the center and assist the magnetic plates oscillation as they spread out. Think of a pebble thrown into a pond and disturbing the water (ripples are produced. They are actually a simple waveform effect, but we won't get into that on this page). Viktor often used natural examples.

## [Return To Top](#)

As the smoke ring spreads out, trapped between those wavy rings (use the pebble in the pond ripple analogy) the ring becomes extremely small at its smallest diameter. *Viktor Schauburger said from the beginning: “if you want to generate heat you must compress a vortex.”* I realize it is called an implosion motor. It does implode atmosphere, but the purpose is not what people think. The purpose is similar to a baseball thrown very fast. You are throwing these smoke rings at the walls of the “REPULSINE”. As these condensed smoke rings strike the inside of the outer shell, they deliver great heat. That heat then contributes to the external updraft, driven by suction, to the top exhaust propeller (the one with the curved blades, which in turn rotates the bottom intake smoke ring accelerator). There is nothing new here. We take in these rings of spinning air one at a time (artillery pieces produce them every day at military bases). That “wavy plate” *pushes* the ring to the outer shell and condenses it so that it heats by contracting it smaller and smaller. If we did not do this, our “REPULSINE” would be less efficient. Each torus, or ring, of spinning air, is, in fact, a small flywheel containing great energy. As that “flywheel” strikes the outer shell (this is all internal physics, I am not referring to any external air flow effect), the ring is destroyed and liberates great heat. Note: In a physics lecture demonstration, there is always a doubter. It is recommended that the “REPULSINE” experimenter build a simple smoke ring chamber as listed in the “Physics Demonstration Experiments” text. You will find that a smoke ring (it actually requires no smoke and is a lay term) can transport a large quantity of energy.

So the purpose of those wavy discs in the base of our “REPULSINE” is, and has always been, to accelerate intake-formed smoke rings. As they expand to the rim, they contract forcefully and gain definition. They then impact the inner wall of the outer shell, heating it enough to induce a strong external updraft, (as does a campfire). This feeds back still more energy to the upper exhaust turbine that is assisted by a rising dust-devil formed above the “REPULSINE”. Victor Schauburger never used an inefficient technique. A simple centrifugal plate as is seen on standard tank-type vacuum cleaner chops the intake air into millions of pieces.

By retaining the coherence of the intake air (remember this is an inverse ring effect, as if using the physics demonstration ring box in reverse). Viktor gains the maximum energy release from his rings as they strike the inner wall and deliver their heat load as the ring is destroyed. A simple centrifugal compressor plate destroys the entering smoke ring shape. This causes turbulence and interferes with additional intake flow. Viktor takes in one vortex, or smoke ring, at a time. This orderly process insures an endless procession of rings into his implosion shell. It pulsates as each new ring is formed. The main point is that it is very *orderly*. It interacts only in the most stable way with the “wavy” or vortex-ring accelerator plates. The “wavy plates”, in effect, spread and contract into a very small thickness diameter the entering ring. It looks like a wave spreading in a pond after a stone is thrown into the middle. One final time; the purpose of those discs is to take *the intake vortex rings* and *contract them* so their thickness is *reduced* and *increase* there overall diameter until they strike the shell wall and *liberate* (like a flywheel) a great deal of *heat* (that feeds the external updraft or “firestorm” effect. Thinking of a common desert dust-devil is another way of looking at it.

## [Return To Top](#)

Let me try putting this another way. It is difficult to explain the fluid dynamics that are involved here. Viktor cooled warm air in his water turbine arm to contract the vortex bubble against a serrated “hill” on its rim. That transferred heat to the water vortex that was exiting the Whorle-pipe. It is no different in the “REPULSINE” case. In this case, the vortex is in the form of a *ring*, instead of a long finger, as in the water turbine spray arm (Whorle-pipe tip). The vortex begins to cool *inside* the “REPULSINE” and *contracts* its tornado shell around it as its thickness diameter decreases rapidly. That *increases* the speed of the ring vortex itself. This liberates a great deal



or neat to the shell. I know how difficult this is to understand. If we use the brilliant research of the **"Pharaoh's Pump Group"**, we find that water can spin around a core of air until it reaches a great depth. Then, the spinning water is destroyed, and the air inside is highly compressed. The "Pharaoh's Water Pump" surrounds air with a vortex and drops it to a lower elevation and then, collapses the water vortex around the air and liberates it as compressed air. Study this carefully. (Better yet; study the Pharaohs Pump website from the link above. Then come back to this page and continue. Note: they produce their own book...you can only get the book through their website, as it's not available from AMAZON.COM, Borders, or Barnes & Noble Books. Too bad.)

To continue; Viktor's Repulsine does the same thing. The intake smoke-ring then contracts, due to its own cooling. Place a hot smoke ring into cold air (as is found inside Viktor's implosion motor). That ring will begin to contract, but, *as it contracts*, it increases its rotation velocity. That in turn increases its impact energy at the shell wall. Viktor intakes a large vortex ring that is composed of hot, swirling air. That ring is cooled inside the implosion motor by the contraction discs or "wavy-plate" discs. As the ring is cooled, it shrinks to its smallest diameter or thickness, which greatly increases its toroidal rotation velocity, or vortex-ring tornado velocity. Now the ring widens in its overall diameter and strikes the shell wall with great energy. Remember; velocity equates to friction. A supersonic jet has very hot skin from air friction (hundreds of degrees Fahrenheit). So Viktor's implosion motor literally intakes little ring tornadoes that cool inside his wavy disc chamber and therefore contract and spin even faster, perpendicular to their toroidal center circle line.

The Schauberger "REPULSINE" literally *"absorbs"* little baby tornado rings, and uses their *high velocity to generate internal hull friction*, which assists the external updraft. Exactly how do we make a tornado in nature? First, we bring cold air from, let's say, Canada. Then we bring up warm Gulf air from the United States. The warm Gulf air collides with the cool Canadian or Arctic air. The warm Gulf air is now "sandwiched" inside a rolling column of cold arctic air. This causes the internal warm air to contract violently as the heat exchanges from the interaction of the surrounding cold Arctic air. We now have a dangerous energy sandwich. The internal trapped Gulf warm air quickly contracts as it liberates heat to the surrounding cold Arctic air vortex (recall the water turbine arm). This greatly accelerates the vortex velocity. An analogy would be as an ice skating ballerina pulls in her arms, she spins much faster. That requires mechanical force (in her case; muscle) that force is a direct resultant of the thermo mechanical internal air contraction do to rapid cooling. [Return To Top](#)

Viktor does the exact same thing in both his "REPULSINE" and water turbine. In the *Implosion Motor*, it takes the form of a ring vortex spreading out to the external shell. In the water turbine, it takes the form of finger like filament that stops at the center. It is exactly what Viktor told us all along. Viktor Schauberger paved the way as he showed us how to extract energy from a cooling vortex. It is all in the cooling vortex and its ability to be harnessed as high velocity wind friction source. The ring inside Viktor's Implosion Motor is hot on the inside and cold on the outside. That is why it contracts so violently. The vortex in the HILSCH-RANKINE TUBE is the exact opposite. The Hilsch-Rankine tube uses mechanical energy from compressed air to create one of these vortex strands. As its core expands, it cools and heat goes to the outer shell of the H-R tube do to wall friction and compression. . We use just the opposite of this effect to turn a warm air core vortex with a cold external core into compressed air as the vortex collapses. The H-R tube expands air by slowing the incoming airflow. That requires mechanical work from the compressed air source. It takes mechanical energy to pull air at its center apart by vacuum induction. The Schauberger implosion motor vortex package is warm at its center and cold at its out side and therefore contracts forming a small ribbon of compressed air that heats the hull.

So all Viktor did was use a Hilsch-Rankine tube in *reverse*! Instead of wasting compressed air, he actually generated it. Compressed air then drives the upper exhaust turbine, and heats the hull. "Brilliant" would hardly seem an appropriate word for Schauberger's insight and achievement, and, it starts leading us into the energy future. There is no free energy here, only simple thermodynamics.... and hot and cold atmospheric convection flows. That is how he did it.

## How to build a Schauberger "Repulsine":

Before we begin with construction of the "Repulsine", this is what can happen if careful research and proper assembly, along with using quality materials for construction *is not* followed and adhered to:

- One: the "REPULSINE" will shred its upper power turbine! That turbine spins at a very high rpm and can, if



formed from cast metal, shatter without warning.

- Two: the internal thermal zone separator (wavy discs) and mechanical fluid work transmitter can shatter, as

it is hollow (I will explain) and flexible and is also not capable of withstanding high centrifugal stress do to its "PERFORATED" construction and wavy design. It generally will shatter first.

- Three: the casing of the "REPULSINE" is formed of copper in one device (although steel can be used) as this is for heat conduction. Copper is a brittle metal under repeated stress and can crack easily. Once again, shards will be expelled onto any unprepared researcher.

### • [Return To Top](#)

- Four: it is capable of high temperature's (I will explain). It can scorch and burn its surroundings or a careless researcher. That temperature can easily reach 300 to 500 degrees F.
- Five: it can explode if its internal vortex is suddenly quenched, venting super heated air onto any nearby observers.
- Six: it must be grounded. It is best operated over hot pavement (I will explain). There is no simple way to describe its power level. It is cyclic and similar to a child's top being spun faster and faster. It can, by a very strong suction force (as it sits in the middle of a much larger external vortex) be wrenched from the ground.
- Seven: it can effect the external environment. It is highly recommended any researcher using it should precede to an area with no air or automobile traffic.
- Eight: it can set fire to any dry brush present. It must be operated in a rock quarry or concrete industrial area for maximum fire safety with a fire extinguisher standing by.
- Nine: it is difficult to gain the approval of a mechanical engineer with an unproved technology; however, he or she can still verify that every precaution has been taken. The vessel is subject to high internal winds approaching 100 to 300 mph; never underestimate the harm that wind can do. That wind can amount to several static pounds pressure per square inch. It is the escaping wind that is most dangerous.
- Ten: as air is ionized around the "REPULSINE", it can produce dangerous electrical phenomena. That is due to dust particle charging. Anytime air passes a chamber that is not grounded, at high speed it can induce charged particles! Be prepared for static electric build up if operating in a dry environment. See below for further information regarding safety issues.

*A small "REPULSINE" can easily produce 10 to 25 horsepower; a large one, in the ten to twenty foot diameter ranges, can produce well into the thousands of horsepower.* This is due to its power concentrating effect. It is in a category of windmills known as dynamic flow enhancers. That is to say its passive wind flow rating is small and no more then any similar Darrius or Savonious type. However, once the work function has begun, it can concentrate external flow from 2 times, up to 10 times. *That is, it will generate the equivalent power level of a machine ten times its own size.* This is similar to windmills of the "diffusion cone" type. That refers specifically to a windmill that has a large external diffuser or cone that assists in flow pressure concentration allowing even a small turbine to generate far more then its diameter is capable of without the added diffusion cone to create a down wind low pressure pocket.

The "REPULSINE" consists of a few major parts. It has a top cone or chimney that, like the rest of the shell, must be constructed of heat conductive metal. Viktor wanted this top cone to be shaped like an elongated snail-shell. This is so external wind, in the form of a dust-devil, can enter the cone and assist the upper drive turbine's rotation. I have found it best to use materials similar to the steel chimney pipes found in wood stove connection joints (a light steel sheet formed into a cone and riveted so that there is no turbulence on the inside of this upper chimney cone). That is the simplest part to fabricate. The taller it is; the better. It should have at least twice to five times the height of the primary plenum chamber; its upper outlet diameter is still debatable. I recommend looking at Schauberger's water turbine arms and using that as a conical ratio. If a small aperture overly restricts the upper chimney, the flow will quench. If an oversized exit hole is used, the flow will receive too much horizontal ground wind turbulence backflow. The dynamics problem of the horizontal flow as it interferes with the vertical convection flow produced cannot be underestimated. That is the bane of all wind generator engineers who have attempted to produce energy by concentrating convection flow. That is, the horizontal wind will antagonize your "REPULSINE" unless it has its upper cone intake aperture or snail-shell mouth directly pointed into the apparent horizontal wind. Wind is variable; it can change direction without warning, so keeping the upper snail-shell pointed can be a frustrating chore. You cannot place a guidance fin to keep the snail-shell mouth pointed, since that will break up the induced flow of the external dust-devil vortex.



Viktor simply ignored the snail-shell all together and only punched a few inlet and outlet holes in a simple conic

upper chimney shell. That is not to say it is *un-important*. He simply could not get the correct shape fabricated. The upper chimney focuses the exhaust vortex leaving the “REPULSINE” drive turbine. Now you have the fabrication of the upper drive turbine. That turbine must be mounted on a shaft (if using a 22-inch unit) capable of at least 10 horsepower minimal load. Shafts of this type are found on all small engines in that horsepower range. One-inch diameter shafts will ensure maximum safety. Obviously, the bearing must be of a reliable type. I recommend from personal experience the bearings used in racing go-carts wheel shafts. They have a 3-bolt mounting cup, and are very reliable.

The upper plate can be found on old centrifugal blowers. Yes, Schauburger’s design used multiple curves, but that is not set in stone. The cooling fins found on a two-cycle motor or lawn mower head can be substituted in a pinch. The plate from the centrifugal blower of a ruined engine can be used for the exhaust drive turbine. The air coming out is cyclonic so the plate is used in a reversed fin rotation. That is fairly obvious to any one building one...this plate cannot be constructed from plastics. It will melt! I realize plastic is safer and easier to fabricate however it is also worthless in a “REPULSINE” exhaust turbine. Next, you require the shell. That shell is fabricated from a 22-inch diameter Barbecue Kettle lid piece. It has a flat region that is cut out for the upper exhaust hole. The exact plenum exhaust hole size on a unit is critical. Once again, if it is too large, the shell heat won’t build to a high temperature. Too small, and it will vent waste centrifugal air poorly and shut down the unit. Use Viktor’s photos. My ideal exhaust hole is 12 inches in diameter with a 22-inch plenum shell. I am still experimenting on the best diameter exhaust turbine.

The “ REPULSINE” has need of two active parts; the upper exhaust turbine (or reversed centrifuge blower plate) and the inner wavy discs (that use the mechanical work from the upper turbine). These discs are not easy to fabricate. The best material I can find is used in fireplace screening and perforated. You must locate a source of perforated steel. That perforation is to allow airflow through the wavy discs, which also prevents back conduction of heat from the outer shell or rim region (I will explain). It will be found that Hammel, used a perforated metal cone on his devices. That is the type of shell you are after. Perforating a steel sheet of that thickness with thousands of holes is difficult and imprecise. If you place too many perforations in one area, the disc may shatter!

## [Return To Top](#)

Why do it at all? Recall that I spoke of the H-R tube. Those wavy discs serve to conduct vortex strands and transmit mechanical energy to the internal plenum chamber vortex from the upper exhaust turbine. They cannot be underestimated. They are the “REPULSINE”...Think of the drive exhaust turbine as a simple windmill. Updrafts and convection currents power it. It is also driven off of any horizontal flow that is swirled into the upper chimney shell snail shell mouth. *That is all it does!* It uses waste exhaust to spin that is given maximum pressure advantage from the suction above it in the upper chimney shell vortex. *There are three vortexes at work here!*

- One, is the external shell heat vortex or outer dust-devil,
- Two, is the vortex in the upper snail shaped chimney shell,
- Three, is the mechanical work vortex inside the “REPULSINE” plenum or H-R tube vortex,

The novice experimenter should examine carefully the work done by vortex Wind Engineers on the web. The entire upper part of the unit is already in use at many wind turbine-generating sites! Assuming you have successfully fabricated the exhaust turbine and mounted it in a typical tri-arm mount, flush with your plenum shell, and mounted the two opposed perforated wavy discs on the long drive shaft, you now require a base shell. This shell must be as strong or stronger then the upper shell. It can be flat and still function. If it is flat steel it must be reinforced. It is always best to use shaped steel that is self-integrated structurally due to its own 3-dimensional form. For example, it can also have a wave ring shape. That is far more rigid then a simple flat piece. That is yet another reason the wavy discs are curved so they are rigid when the “REPULSINE” tilts or lifts.

This is then bolted and sealed to the upper shell. This is critical. The outer rim is subject to great pressure and heat. The bottom hole is smaller then the exhaust hole, however the relative surface area is comparable. This is because a great deal of the upper exhaust turbine plate is sealed with only a small exit region open at its circumference. The bottom shaft bearing can be tri-arm mounted as well. These hole-sizes are critical. If the



bottom axle area intake hole is too small, it will not take in enough air! The exact diameter, as compared to the upper exhaust hole is still a matter of experimentation. It is between 4 and 6 inches in diameter. In other words, its diameter in surface area approximates the exhaust outlet surface area. The entire assembly is best placed on yet another Barbecue Kettle piece - the bottom hemisphere. In this use, it is placed round side up (that is its rim on the ground). Several metal posts now go to your bottom plenum. The plenum or H-R work chamber is mounted 6 to 12 inches above the inverted kettle hemisphere. Those posts will later have metal fins on them, which will be twisted to guide air into the single intake hole, placed concentric with the drive shaft.

## [Return To Top](#)

Now, with all in place, you can do a first spin test. Instead of an attached motor, you can use the pressure exhaust of a large tank-type vacuum cleaner. It requires precise aim. Place the hose near the exhaust turbine and push air against the curved blades the same direction the air is meant to leave the plenum chamber. This is a simple reaction effect. The snail-shell hole is more than large enough for you to place the start-up air jet. Recall that model pulsejets were actually started with a bicycle pump. Now your unit is spinning! What happens next? Usually, very little will happen. It will spin of course, but, until the exact exhaust ratio and intake ratio is found, you can expect no miracles. The bearing races must be low-friction units. If you do it correctly, the unit will begin to heat up at its plenum shell circumference. Why (?) - because the internal wavy perforated discs and compressions on the shell rim are spinning air centrifugally. That can be seen directly by touching the top of any large-tank vacuum cleaner with a metal flange head. In fact all centrifugal air compressors or high pressure fans heat in this manner. Inside the plenum, the air is being separated into a center, or axle region, cold-zone and outer rim region hot-zone. Mechanical work from the upper exhaust disc is being used to separate these temperature regions. This effect is no different than is seen on the H-R tube! The only difference is that air is being spun on the unit by frictional interaction with the wavy disc set. In the H-R tube, it is from the mechanical energy, released as compressed air, and is swirled into a vortex tube. The exact same thermal separation occurs. The inner region is cold, and outer region is hot. That heat now contributes to a rising updraft vortex about the "REPULSINE". Recall in a calorimeter experiment, paddles are spun to heat water in a closed shell. One experiment is to then spray water at various temperatures into the shell. If it is done properly, it will assist in imploding the center cold air mass and greatly increasing the RPM. of the turbine. This is a science experiment of a lifetime.

Why does it work? As the work being done on the "REPULSINE" internal plenum increases from the exhaust turbine drive shaft, the steel shell reaches a critical temperature level. At that point the rim air approaches several hundred degrees. The wavy discs prevent heat from easily moving from the rim to the center (that is one reason they are perforated and cannot be solid). The plenum will begin to alternately heat and cool as new air is drawn in at its base. If its core air trapped in between the wavy discs is cooled, the plenum velocity will increase. If it is heated by intake air, the velocity will slow. This effect is resonant and typical of the "REPULSINE" operation. It is very hard to explain. Viktor claims, that any time you allow the core air of his Repulsine to heat and expand, it pulls the internal vortex wider apart! Next, as you intake cooler air, it snaps back together again. *This is a phenomenon of thermo-mechanical resonance. [Tesla coils](#) use the very same principle.*

The point is that your plenum will be driven off of *induced external updrafts* (as if a campfire) and off of a *resonance* caused by changes in the core vortex temperature! That is to say, the plenum chamber is like a child's top. Any temperature change will cause the internal vortex (a vertical axis vortex centered about the drive axle) to expand and contract. The temperature changes *must* work in resonant fashion. Think of the child's top being spun faster and faster, as they plunge its push rod up and down. This resonant expanding and contracting vortex bounces off the wavy rings much as ball bounces on a floor. Each time a little more energy is added. It is like stretching and contracting a rubber band around your fingers. When thermal mechanical vortex resonance is achieved, the implosion motor takes off. This is not an out-dated centrifugal air compressor. It is a chamber where any intake air is being converted into rotary motion. As the air vortex enlarges, it strikes the rim and cools. This causes it to bounce and return like a wave, to the center of the chamber (much like an echo reflecting off a hard surface). This compresses the center cold air and heats it, causing the wave front to once more expand.

That is why the wavy perforated discs are so important. They guide this echoing vortex band as it bounces from the rim to center and back again. To see what Schauburger saw, go to a circular water bath or tank (it must be a



perfect circle). Put a Styrofoam disc at its center with a stick attached. Start to resonantly plunge the disk up and down. If you time it right, the wave crest will work with your plunges in harmony, as it bounces off the tank's wall. This is exactly why those disks are wavy and perforated. They allow the vortex bounces to build up energy. Yes, you can argue that it wastes power. Actually it does not. The heat leaving the rim feeds back into the exhaust turbine updraft. You are amplifying this echo effect. Now the skeptic will begin to squirm in their seat. What good is this resonance effect? Sure, a Tesla coil makes a big spark, but that uses up electrical power even at high Q.

What make a two-cycle motorcycle tail pipe exhaust expansion chamber work? Echo! That is correct. The principle that helps back pressure a two-cycle motorcycle engine is the exact same principle that feeds back energy in a Schauberger "REPULSINE" implosion motor. It makes no difference. We can get mechanical work either way! *A Sterling engine obtains mechanical work on both its cold cycle and hot cycle!* We now have two defined reservoirs; a *cold rim reservoir* and a *hot central intake reservoir*. These reservoirs are maintained by external wind and sunlight. *This is not a guess; it is a fact!* A Stirling engine uses a displacer to shuttle an air mass between a hot and cold reservoir! Go to the fine Japanese Stirling engine pages found all over the web and you will soon understand this principle.

In the "REPULSINE", it is accomplished by the natural vortex echo inside of the chamber. This echo builds up our RPM. That is why the wavy discs are perforated. They must help spin the vortex but never stop its wave front echo. Think of that as a natural air displacer. Striking the rim cools the vortex and reaching the center heats it. The center bottom is hot from intake air ramming. Think of it this way before you stop reading this material. The echo bounce places our vortex over the center and then the rim region. That takes the place of the Stirling engine displacer. The vortex acts like a flywheel that stores the bounce energy. In effect, it is a simple Stirling engine hybrid that uses the expanding and contracting vortex as both a *piston and a displacer, at the same time.*

## [Return To Top](#)

This is not difficult to understand. The Schauberger "REPULSINE" is a new class of Stirling, atmospheric-feedback, hot-air motor. Schauberger's genius removed the complex *piston and displacer*. They are replaced by a bouncing and expanding vortex and contracting vortex ring. If the reader takes away nothing more about the "REPULSINE", consider the following. IT is *not* a centrifugal air compressor. *It is a new class of Stirling hot air engine, that converts a captive vortex into a piston and displacer that therefore shuttles between a hot center region, and a cold outer shell.* This vortex also forms the Stirling Engine hybrid's flywheel. In one simple gesture, Viktor removed the flywheel - the displacer and the piston - of a Stirling hot air engine - its closest thermo-mechanical cousin. By combining all of these elements, he simplified the Stirling engine, and, allowed it to directly feed back energy to an updraft. *In other words, its own waste heat assists in increasing a natural external flow. No Stirling engine does that!*

A final purpose of the wavy internal discs is to help "bounce" the vortex. It is similar to the 90-degree phase drive rod that activates the displacer. It forces the vortex wall back out to the rim. I realize that I said the rim is hot and it is. That is because it is constantly relieving itself of heat from the internal bouncing vortex. It is also cooled by the swirling external vortex. Without that, it is no longer a useful reservoir. In effect we have discovered a dynamic feedback Stirling Engine suited to extracting energy from a stationary external tornadic convection cell. This is not free energy...but I feel it is neglected physics. Only time and a little faith in Schauberger's genius and commitment to relieving the suffering of mankind will tell.

In the "[Phillips Technical Review Notes](#)" we found references to an *Air Core Betatron* containing only a few kilograms of active magnetic flux material. That is to say the "Phillips engineers" had found a way to avoid the entire heavy iron superstructure used on a Betatron. It relied instead, *like a Tesla coil, on resonance in heavy cables*. To add, therefore to the list of things to avoid when constructing a "REPULSINE", I must now in all fairness add the "Air Core Betatron" effect. This means very simply, your "REPULSINE" is capable of hard X-ray production from an internal current imploded with the thermo-mechanical rim resonance vortex bounce. *To put it simply; the REPULSINE at full resonance is a radiation source.* It is possible that 50 thousand to 10 million electron volt-level radiation by-products, in the form of hard X-rays, will be present during operation. Any time you contract a charged electron cloud so that its magnetic field is cut, you can, and will accelerate electrons in the defined nature of a Betatron Particle Accelerator! It can and will emit high-energy particle radiation of the class known as "High Energy Electrons" and Hard X-rays. The Phillips' "Air Core Betatron" proves a large



ferromagnetic induction mass is not required for electron volt energy levels up to 9 MeV. Prolonged X-ray exposure is a certified tissue destroying process. *For those "would-be" Nuclear Physicists out there, any doubts that the REPULSINE is capable of Betatron particle acceleration will be quashed after reading about the "Phillips T.R. papers on their 9 MEV "Air Core Betatron"."*

The final piece of the puzzle; The "REPULSINE'S" rim is resonantly cooled by thermally induced downdraft feedback, as the internal plenum flow expands for its re-coil or implosion echo. It is a surface effect. Hot internal centrifugal air induces a cold downdraft pulse that is in effect the capacitive analogy to our thermo-mechanical vortex resonance, taking place in the unit. Hot always attracts cold ...remember that! *The "REPULSINE" is unpredictable and dangerous, and, in an evacuated condition, is capable of Hard X-ray production. It is NOT a toy. It is best left in the hands of certified engineers and physicists!*

## [Return To Top](#)

NOTE: To any and all serious investors and investment groups - International Turbine And Power, LLC has the capabilities to design working prototypes of the "Repulsine". We would gladly welcome discussing any opportunity for joint venture ideas or other applications via providing the necessary funding.

O.k., I am off of the soapbox and on to some more of Schauberger's inventions...

### Viktor Schauberger's "Atom Transforming Machine:

Amongst the vast amount of research notes written by this man, of the many telling accounts of the huge amounts of power locked inside ordinary air and water, this account shows too the amount of respect he had for those impressive latent powers.

The Atom Transforming Machine - This note is taken from a special edition of "*Mensch und Technik*" vol 2 (1993) sec. 7.7.7 of notes from 15<sup>th</sup> July 1936 about Schauberger's work at the time:

"Today we began to assemble the atom-transforming machine. Tomorrow or the day after it will run for the first time. Simple and true, that is the impression one gets when observing it. Unfortunately, in its present state we cannot make the upper part of the machine fully operational. The danger is too great. I cannot risk the lives of my co-workers. Fully operational, the machine must be remote-controlled, for either a violent thunderstorm or a cyclone will develop. If the organic *H* discharges itself downwards, then there is a short-circuit - a thunderstorm, whereas an upward discharge of *H* produces the celestial electromagnet, which is actuated at about 40,000 milliamps, and with it the charging up of the celestial Plus + Minus, i.e. the cyclone. The physicist Renault produced a short-circuit, which incinerated him and his colleague in a matter of seconds. Perish the thought that it should first ignite on the TRANSVERSE axis! It entirely depends on where the *H* discharges. On the transverse or vertical axis? This determines the stronger pole, for here too a bipolarity is involved."

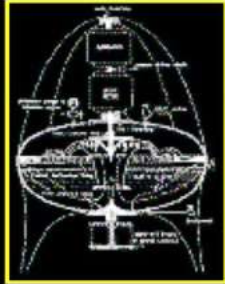
The French physicist Gerard Renault [c.1926] (operating under Viktor Schauberger's theories) had already occupied himself with the problem of obtaining electricity from the air. In his laboratory in Grenoble, he worked night and day on his invention, and even the scant information that emerged publicly, created a sensation in scientific circles. One day, a machine stood in his workshop which was held to be a wonder. Day after day its wheels turned without any observer being able to determine whence the driving force originated. Neither steam, nor combustion gases, nor electrical motive forces could be detected. The machine stood on its base, completely insulated from the ground, and ran independently like a *perpetuum mobile*. For a while Renault enjoyed the general wonderment, and then one day he said, "*This machine is, in fact, driven by electricity, but with electricity from the air! I have solved the problem. With its practical application, in a few years we shall achieve a paradise on Earth.*"

The French Academy requested Renault to come to Paris so that he could demonstrate his invention there. The inventor agreed, hastening to the capital with his assistant, setting up his machine in the experiment theatre. Just before the beginning of the demonstration, he wanted to explain how it worked. His assistant was present. Suddenly there was a tremendous explosion. flames shot out of the doors and windows, and once the fire



Suddenly there was a tremendous explosion, flames shot out of the doors and windows, and once the fire brigade had succeeded in extinguishing the fire, the machine was a heap of wreckage. Renault and his assistant died in the explosion.

(Extracted from the periodical *Der Weg* (7/11/1946, 1<sup>st</sup> year, no 48, p12) (and reprinted in "The Energy Evolution" edited by Callum Coats (2000) p125). My take on the story: Can anyone spell "Sabotage"?! FDG



The "Implosion Machine", or "Water Tornado", home-power generator as illustrated.

This is a machine which Viktor Schaubberger constructed to generate electricity. Now, when I say electricity, I should say free, over-abundant, electricity. You see, the machine, once started, *generates more electricity than it uses...* don't loose interest on me because of the "free energy" implications...read on. It is similar in concept to the "Klimator", which was another machine, primarily designed to produce either "heat" or "cold" temperatures - a pre-modern air conditioner, of sorts. This engine is something, the likes of which, I have never seen. I can't wait to get the opportunity to actually BUILD this machine and fully test it out. Even if the claims are only partially true...it would mean such an advance in engine technology that its worth could not even be estimated. Why hasn't this machine been built and put into use? [Click here for a great link and find out.](#)

A small electric motor drives a conical center piece which has a large water inlet, and forces the water out through several spiral arms, shown below, which Viktor called - "Whorl Pipes".

## [Return To Top](#)



### Whorl Pipes:

Every whorl pipe is a tornado, a vortex. The flow-through material creates a space-spiral. From the starting point, movement is both inwards and downwards at the same time. The whorl pipe must be cone-shaped on its longitudinal axis. In experiments with cylindrical pipes, few noteworthy effects were achieved. In addition, there is a third direction of movement, which seems to be most important; it is a rotation about itself, which in regard to the electrons in atoms, we call 'spin'. As the device spins a centrifugal force raises the water level.

The acceleration of the in-rollment of the flow-through material depends on four factors: 1.) the length of the pipe (whorl-pipes), 2.) the size of the intake cross-section in relation to the outlet nozzles, 3.) the rotational velocity of the rotor, and 4.) the diameter of the conical rotor, because it is upon this, that the centrifugal force depends. The arms nearly reach to the outer limits of containment vessel and a recoil action is produced when the water sprayed out comes into contact with a wavy or rippled steel ring. To begin with, the drive motor is powered from any available current source, in order to set the rotor in motion. When the rotor is in motion, it produces more power than the drive motor requires, and the electricity from the generator, in excess, can be ducted off for other purposes. *According to estimates, the proportion is in the ratio of 1:9, namely, 1/10th of the output for running the drive motor, and 9/10ths as surplus power. The "Implosion Machine" is therefore, more than, or quite literally - a form of, "perpetual motion".*

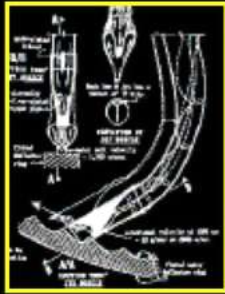


Special Jet Nozzles: the tips of the whorl-pipes:

The centrifugal force in the spiral arms creates a reduction in pressure on bottom part, and this leads to great efficiency. As the device spins, a centrifugal force raises the water level. The spiral arms were said to look like a wild animals antlers (from the Kudu antelope; spiral "horns", thick at the base and coming to a thinner point at each end.) When the machine was running the generator was then switched on-line. The tips of the "Whorl Pipes" are illustrated..



## Return To Top



A Vortex movement was created inside of each nozzle, and the velocity on exit approached 2,500 psi, at 1280 meters per second.

The Water Tornado machine could produce a Mega watt of electricity. James Yen, working for the American company - "Grumman Aerospace", estimates that a turbine of only *six feet* in diameter could produce a mega watt of electricity. The concrete silo as illustrated, has an open top and is open to one side. A electric motor could be switched on to begin the whirlwind effect, and, once the "swirling" (vortex) action had begun the motor could be reduced in speed or taken off-line, entirely.

The air flow enters from the top of the tower and the air is forced to "whirl" because of the way the tower is constructed. When the air flow is whirling, a reduction in air pressure is caused. Air coming from the bottom is drawn into the vacuum, and, in doing so, drives an air turbine generator. Experiments with wind tunnels seem to confirm this idea will perform as expected. We may yet get to see a spiral action in generation of our power needs *if* the scientific establishment is ready to seriously look at it. I'm trying to convince "big business" to fund the research...it just takes time, and constant persuasion. Here's the break-down of the operation of the "Implosion Machine" as far as I can relate:

1.) As connected to the suction pipe, every whirl-pipe is a siphon. As a fall-pipe, the whorl-pipe is longer than the vertical suction-pipe. Its exit nozzles are at the same height as the lower end of the suction-pipe. Only slight impulse is therefore required to trigger the flow of water.

2.) As soon as the rotor reaches top speed, the water is centrifuged against a fluted outer wall with enormous force. As it impacts a dense electrical force-field evolves, in which, the weight of the water is neutralized. This electric charge can be increased by the rotor's rate of rotation. The water rises, with out being lifted, in the suction-pipe and passes into the whorl-pipes from the collector. The fall-weight is the impulse that enables the ducting off of "surplus" power. From time to time, the water should be changed. The electric charge also must be ducted away, otherwise, it can act as a "brake" in front of the water nozzles.

3.) A further gain in power results from the removal of frictional losses in the whorl-pipes. The effect of these pipes is to produce a rolling, inward vortex, spiraling action that reduces virtually all resistance to the flow inside of these pipes.

4.) Due to the rapid rotation of the rotor, centrifugal forces arise. The accelerated water in the whorl-pipes is thrust against the fluted outer wall of the machine. The ends of the whorl-pipes are curved in the opposite direction to the actual direction of rotation. A recoil is created, similar to that in the "Abundance-Producing Wheel" (another of Schauberger's inventions). This recoil develops energies similar to those found on tornados. I should note, cooling takes place inside of the whorl-pipes, and the "cool eye" of the machine sucks up water, quite the same way as a natural tornado "sucks" up anything in its path.

## Return To Top

How about USES for this amazing machine...boy, that's a tough one, huh! Here ya go...

1.) The generation of *FREE Energy*, in any quantity, whereby the water used to fill is converted into "noble water" (pure, natural, healthy drinking water, full of extraordinary properties)

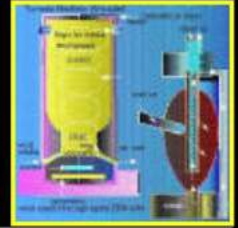
2.) As a generator for the achievement of manifold increase in growth. If embedded in the ground, the energetically charged water radiates growth-enhancing forces down into the earth

3.) For the propulsion of aircraft, which can never malfunction and crash. (See [Viktor Schauberger, page four](#) - the next page on your journey - for a fully descriptive explanation and diagrams of the proposed craft).



## Clean Air Machine

This is another spiral device but uses the shape of an oval egg. "Soilt" air is introduced from the side and combined with water that the reduced pressure draws from the bottom, via a tube . The spiral flow in the tube cleans the air with water which flows back to the base. Clean air then exits from the top. Again, click on any of the images for the "full-size" view.



## [Return To Top](#)

Very briefly, Schauberger engineered several types of machines that would create an up-current of axially-spinning air so powerful that the up-current's drag force would speed the whole machine higher and higher into the air. Of the many different types of air turbines he made several of them boasted a thrust force of nearly 10,000 bhp - simply by moving air. Some designers have utilized Schauberger's special turbines for flight (see fig. 1) and new research (see below) suggests that there indeed is a strong case for the continuation and re-establishment of Schauberger's research into these hugely beneficial technologies.



Unfortunately Schauberger was an Austrian caught up in the inhumanities of war-stricken Europe, and at the peak of his creativity was forced to work for the German war effort until the end of WW II. Under orders from Himmler he was to carry out research-and-development for the Germans at

Mauthausen concentration camp where he worked with twenty to thirty prisoner engineers on secret projects centered around 'higher atomic' energies. He received special dispensations from the German SS, for both himself and his prisoner engineers, to carry out this research work. In 1944 he and his engineers were moved, again under the direct orders of the SS, to Leonstein in Austria. At that war's end most of his machines at Leonstein were sequestered by American and Russian 'engineers' and cul-de-sac'd. After the war he moved to Salzburg, but found no-one willing to help him further his researches. Schauberger wanted purely to help humankind make a better world for itself. In return his life's work was taken from him by the arts of businessmen, and he died a broken man in 1958. Perhaps as a gesture of good-will, both the Russian and American 'engineers' should return these research documents and prototypes to the Schauberger family at PKS Austria, or at least publish the voluminous research works that are, after all, the legacy of one of the greatest engineers of all time.!

But for a collection of notebooks, design-board sketches, and articles published in German periodicals (see [note 1](#)), and a smattering of published patents all of this great man's contribution to New Physics would have been lost to the world.

The subject of Viktor Schauberger's discoveries has no handy starting point, so I'm going to jump straight in where it suits best the overall subject of flying aircraft.

## The Pipe - Stage One

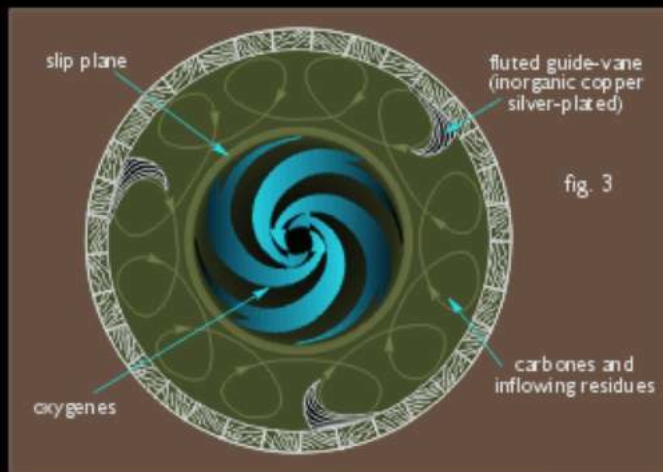
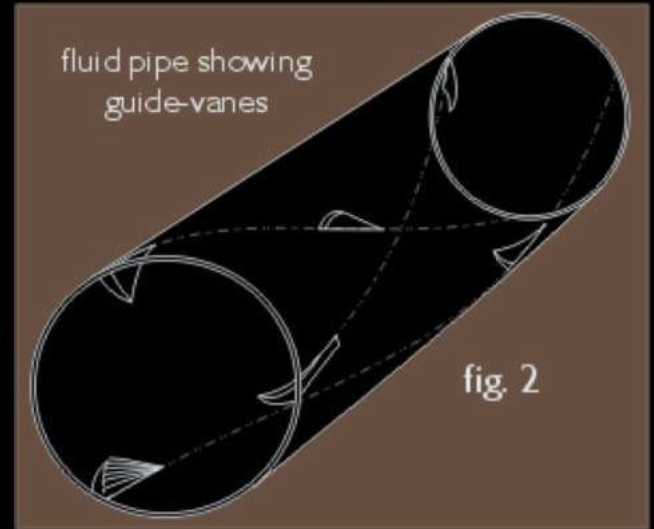
## [Return To Top](#)



Central to any understanding of Schauberger's levitating force is his use of the cycloid-space-curve. This he used to generate a dual flow of fluid through a pipe - of an inner axial flow which moved faster through the pipe than did its peripheral flow which was especially directed into a cycloid path (see fig. 2).

In this flow-separation lay the secret of the inducement of what Schauberger referred to as implosion - a force opposite to but many more times more powerful than ex-plosion. This unique force though was merely one stage in a whole cycle of transitions resulting in a thermo-electric process that transformed ordinary air, water, or sea-water into a super-biomagneto-kinetic force.

The pipe gives one example of how Schauberger brought about what he referred to as a "fermentation" and a "cold-oxidizing" of, as in this case, natural water. The same principle, as will be seen further below, could be applied to atmospheric air. Using Schauberger's terminology, his task was to segregate the *carbone* and the *oxygene* particles of water or fluid, process them, and then reconstitute them with a different energy configuration - with a much higher energy quota than was normal. Then, by using certain characteristics of a vortex, in conjunction with the implosion effect, it would channel the resulting release of repulsion energy and use the energy for kietic propulsion of the generating device.



This is how he did it: If you look at the flow patterns drawn into fig. 3, it can be seen that what this pipe created was a peripheral cycloid flow which acted centrifugally, close to the pipe wall. This motion would begin to draw out and harness the organic carbones of the through-flowing water. Correspondingly, tight to the centre of the pipe was drawn the inorganic oxygenes rotating under a centripetal reactive force. His discovery that water's (and air's) carbones react to a centrifugal influence, while oxygenes to a centripetal one having come from many years of previous experimentation and observation (see [note 2](#)).

The special guide vanes secured into the pipe to rotate the peripheral fluid flow were also specifically placed lengthwise at specific intervals, over the whole length of the pipe, to instill an alternating increase and decrease in the flow-pressure along the pipe, which resulted in a general cooling in temperature of the whole water-mass (another one of Schauberger's discoveries - [Viktor Schauberger British Patent: Water conduit, #415280, of 1934](#) ).

What occurred under the influence of these opposite motive forces, within the water, was a metabolic process of transformation (see [note 3](#)), or as Schauberger explains, *"It is also known that dissociation and re-combination, therefore the rearrangement of the atoms, can be effected in the substrate with the aid of catalytic processes. In this regard it has been observed that these processes take place in a characteristic cycle or oscillating rhythm until a new state of equilibrium is established"* (see [note 4](#)). The processes that he could generate by using the cycloid-space-curve-motion within an enclosed space would lead to the almost instantaneous production of a lower and a higher product of synthesis (see [note 5](#)), which constituted the *dissociation* part of the process.



## Fission and Fusion

Through the cooling of the water the density increases, and as the differentially rotating central core (of oxygenes) and peripheral spiraling carbones rotate about each other their bipolar ingredients constantly abrade at the intervening slip plane and against the outer-wall guide vanes. This breaking down or refining process further induces a dissociation of the micro-particles of the two separated fluid flows, firstly by a process Schauburger named the *oligo-dynamic effect* (see [note 6](#)) of decomposition and hence a liberation of supplementary influences, and secondly, by a shriveling up and densifying of both the oxygene and the carbone elements, thereby creating a reduction in volume. Thirdly the *carbones*, or rather the residues of the carbones, are rendered unipolar (and potentially different from the oxygenes).

### [Return To Top](#)

As a result, the axial core of the fluid accelerates ahead of the peripheral (spiraling) flow thereby increasing the potential-difference between the two flows. Then, in what can only be described as a highly complicated triggering of bio-electric chain-reactions, there occurs an energetic interchange between the residues of the abraded carbones and the axially-flowing oxygenes. Whereby, as Schauburger stated, "If this state [of interchange] is reached at the anomaly point [of 3.98°C or 39.164°F], then the highly energized organic residues (the former particles of the carbones) bind their fertilizing counterparts (the oxygenes), and the naturalesque product of synthesis is complete" (see [note 7](#)).

One would suppose that this 'charged water' would be likened to a fluid in colloidal form, whereby its molecules would have instilled into them a strong, negative electrical charge, but, according to Schauburger, this was not the case. He proved that the product of this process was a much higher form of energy.

*"If on the other hand a tri-polar mass is split up by suction-intensifying and temperature-reducing dynamic influences, then the true creative substance (residues of carbone) will be exposed to revitalizing (cooling) temperatures. In this case the formative pulp-matter becomes free, unipolar and so highly active that it binds, consumes and digests the oxygen, which has become passive under this other dynamic influence. The end product of this magnetolytic dissociation is the predominantly magnetically charged ion, whose original formative and levitative force, which as everything else in Nature is to be understood as an indirect effect, can be intensified by up to 96%. Imbued with levitative force, these ions suck up the inferior matter and the generating device in their wake..."* (see [note 8](#)). This was a discovery previously unknown to science at the time.

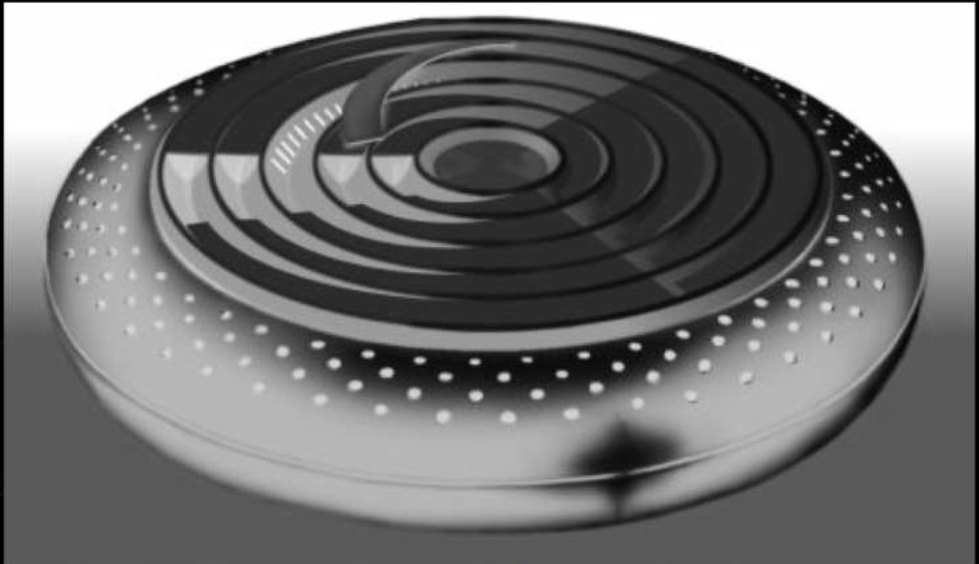
In conclusion then, from the above delineation of what happens inside this special pipe, at this stage in the transition-process there is a RADIAL-TO-AXIAL (centripetal) force, and chain-reaction, which performs a highly dynamic transformation upon the pipe's through-flowing fluid, whose reaction is to accelerate in a perpendicular motion along the longitudinal axis: By way of an electronic analogy, it is somewhat similar to an outer ring-electrode and a central axial electrode, whereupon a non-uniform electric field exists to create an oscillating combination of *electrophoretic* and *streaming potential* reactions. the reactions of which upon the fluid would be to alternately *generate* electro kinetic energy and be *accelerated* by electro kinetic energy.

### [Return To Top](#)



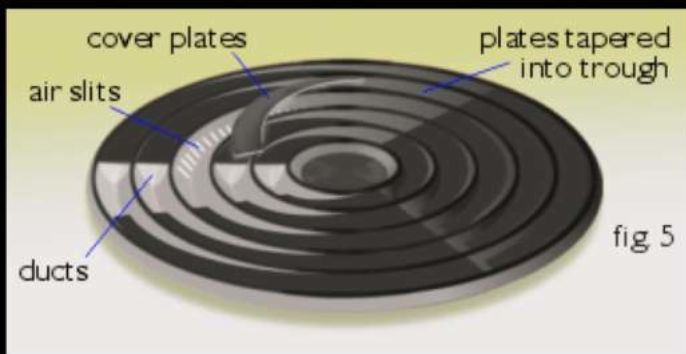
## One More Step For Mankind - Stage Two

But the Pipe discovery was only the first step toward a Schauburger-type flying aircraft. The next step can be found in Schauburger's centripulser Repulsive machine. When I first saw the drawings of a Repulsive prototype made by Schauburger in the 1940's, I thought there *must* be a turbine inside that rotated to create the centrifugal force it required to process it's fluid - but - it seems this prototype didn't work like that. In fact, the whole machine rotated as one unit to create it's centrifugal effect. This rather bulky and cumbersome machine has been thought, by some researchers, to hold the secrets of gravity-manipulation. This machine was however, more likely to have been built merely as a demonstration model to show others some of the principles of his (Schauburger's) discoveries.



From the sketches for his *other* centripulser turbines such as the *Klimator turbine* and his *Repulsator turbine*, there can be seen the next 'basis', which Schauburger designed into his atom-transforming and levitating machines. For in these machines, the above Pipe processes were transferred to, and configured as, a centrifuging air chamber that alternately braked and pulled upon the air-fluid moving through it.

Inside this Repulsive, the discoveries Schauburger made in the PIPE process, above, were transferred to, and configured as a multi-plated, rotating turbine, with an amazing amount of skill and brilliance. It has to be said, Schauburger and his team of engineers did this task with a creativity and engineering prowess that the old Newtonian physicists of today can only dream of. On close inspection of this machine (in the figures shown here and shown in Schauburger's other patent applications and sketches for his 'centripulser' turbines) can be seen the next 'basis' upon which he designed his atom-transforming and levitating machines.



In these centripulser machines, close regard was paid to the principles of the Pipe processes, in that, when the chamber was rotated at above 10,000 rpm a considerable suction was created at the chamber's central inlet ducts as a result of the centrifugal forces dragging the fluid radially outwards (see [note 9](#)). The water, or fluid drawn in, is accordingly, "sucked" through the machine's low-pressure chamber, wherein this flow is 'pummeled' by it's traverse around flow-restrictors (which, for instance, could comprise concentric rings) located inside the chamber in such a way as to shape and to momentarily exert pressure on the fluid

flow. Additional to these centrifugal (axial to radial) forces are the *rotational* forces, operating perpendicular to the centrifugal forces, dragging upon the air-fluid inside the low-pressure chamber. Rotating anti-clockwise, the Repulsive's tapering pressure chambers (where the cover plates taper down from the crests into the troughs) acted as a 'multi-stage centrifuge' to create a considerable suction at these 'ducts' (the Repulsive was rotated at around 10,000 rpm) (see [note 9](#) again), the air drawn in was then sucked centrifugally through the two (interconnected) waveform plates, made of inorganic silver-plated copper (see the removed cover plate in fig. 5).



Here then is what Schauberger called the *transition-promoting planetary motion* together with a rhythmical alternation of suction and braking-pressures. This alternating motion causes the dissociation process of the oxygenes and carbones of the through-flowing air into two separate components.

For, essentially, there are two forces involved here; the *centrifugal suction-pressure-suction* (which can be made into a rhythmical force), and the rotating *frictional force* of the turbine's low-pressure chamber (spinning at around 10,000 rpm). With these forces, Schauberger used to great advantage the fact that the carbones react more readily to a centrifugal force than do the oxygenes.

When the normal (atmospheric) air has entered into the mechanism at the air intakes around the centre and has begun the dissociation process, the oxygenes in the air flowing through will react less to the centrifugal forces than will the carbones (as in the Pipe explanation above) and so the oxygenes will get dragged more by the rotating frictional force inside the low-pressure chamber than will the carbones... meaning that the oxygenes will follow a longer radial curve than will the carbones on their radial flow outwards. There will be a dual flow, just as in the example of the Pipe above, where there will exist an expulsion of a higher and a lower form of this synthesis, which is now ready for the next stage of the process; the process of reconstitution (see [note 10](#)).

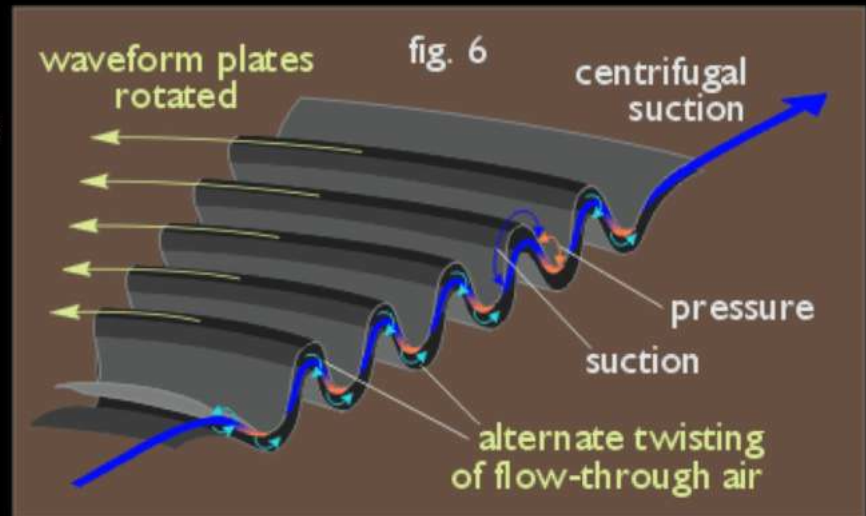
What exits from the turbine at this stage is the 4% carbone + 96% oxygene i.e., the predominantly negatively potentiated energy.

## [Return To Top](#)

### The Work of a True Genius

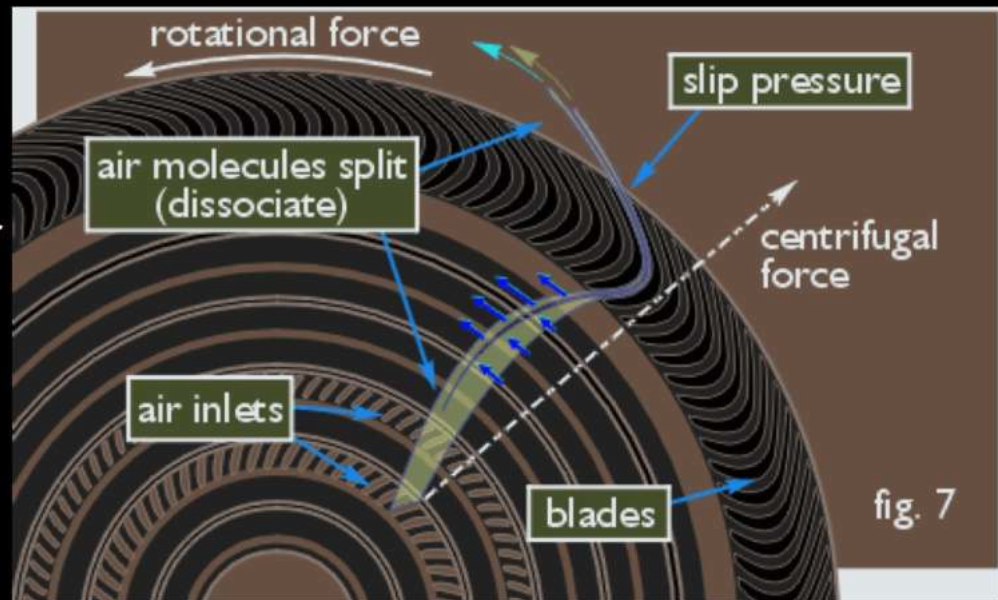
In order to backtrack a little and show more clearly the process that occurs through the waveform plates, I have drawn in (fig. 7) an exaggeration of the separation effect which takes place (note that on some of Schauberger's prototypes, all five of the concentric waveforms had air intake ducts, while others utilized only two. For the sake of clarity, I have diagrammed here only two such rings of air intakes). Essentially there are two forces involved here; one - the centrifugal suction (which, as we have just seen, is a rhythmical force), and two - the rotating frictional force of the turbine's waveforms (spinning at around 10,000 rpm) in an anti-clockwise direction.

With these forces Schauberger has used to great advantage the fact that the carbones react more readily to a centrifugal force than do the oxygenes.





In (fig. 7) it can be seen that the normal (atmospheric) air enters into the mechanism at the air inlet slits around the center. The oxygens in the air, which react less than the carbones to centrifugal forces (as in the Pipe explanation above) get pulled, or rather dragged, more by the rotating frictional force inside the waveforms, than do the carbones, and so the oxygens follow a longer radial curve than do the carbones on their flow outwards. The carbones (represented in fig. 7 as the wider band on the right) exit through the gaps between the blades on their inside curve, which if you look closely are of a larger radius of curvature than those on the outside, meaning that the air-flow speed will be greater for the oxygens than for the carbones - this provides the slip separation and a slip pressure - just as in the example of the Pipe so as to force the same sort of transformation process... When you then take into consideration what happens at the Repulsine's circumference, where the super-charged air exits, you can see that each pair of higher and lower forms of this synthesis will be squeezed together into a very tightly condensed 'skirt' of energy - ready for the next stage of the process.



With such ingenuity this man Schauburger should have won the Nobel prize in physics for the Repulsine alone ! But then, seeing as Nobel was the inventor of high explosives, perhaps not...

This is why, when this machine was spun-up a blue-white luminescence could be observed glowing around the outer cowling.

But this stage, as mentioned above, is still only one of potential energy, a potential energy that can be intensified at a ratio of 4 : 96, according to the great man himself.

## [Return To Top](#)

## Stage Three - To Infinity and Beyond...

Now, following on from the above two stages, we have a highly energetic force at the periphery of the machine, which is absolutely crackling with energy. If a suitably curved vessel is located below this rotating peripheral force, and which can turn and guide this force back towards the machine's axis - to transform this energy flow into a centripetal force - then, just as Schauburger describes its effect, it becomes an accelerated radically-to-axially in-winding rotational force.

And we are back at the same situation with what happened inside the Pipe in stage one, where it resulted in the axial fluid being accelerated at great speed through the pipe - well not quite. In this configuration, there is a lot more energy involved, and it has already gone through one stage of synthesis. Now it is being mechanically forced centripetally in towards the centre for its final transformation, the reaction to which is very forceful. This is **IMPLOSION**.

This is one of Viktor Schauburger's descriptions of what happens next to this energy:



This is one of Viktor Schauberger's descriptions of what happens next to this energy,

*"As the end product of a natural or unnatural sequence of motion, it will be accelerated along either the longitudinal or the transverse axis. In the naturalesque - formative - direction of acceleration, which must take place along the longitudinal axis (centripetally), so-called electricism acts as the absolutely indispensable resistance for all motion. As the formative velocity rises, the resistance increases commensurately in order to provide the additional frictional (resisting) surfaces required by the accelerating matter. The actual loss of formative energy associated with this amounts to about 4%, i.e. in this case approximately 96% of the formative energy (= magnetism streaming upwards at enormous speed = levitism) is freed, which sucks up its generating device and a portion of its immediate environs in its wake" (see [note 10](#)).*

Indeed, in all of Schauberger's descriptions of this levitative force he nowhere describes it as either a propulsive effect i.e. created by a pressure-force, or as an electrical effect i.e. an electrokinetic force.

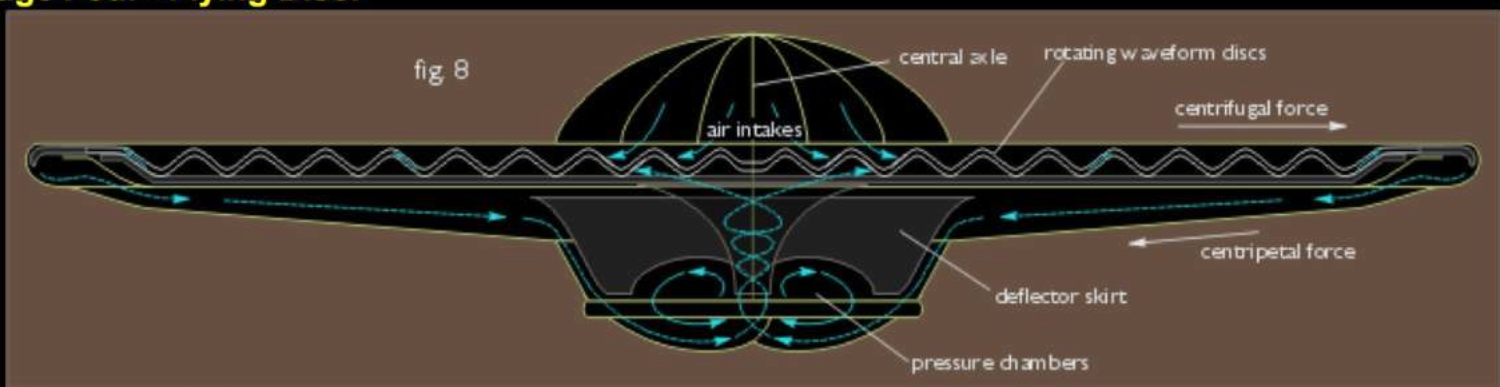
## [Return To Top](#)

### May the Force be Levitative

This force was one that streamed in spiral fashion upwards above the machine from the machine at high speed, and which drew the generating machine or craft up in its wake - an inverted vortex or black hole if you will. Schauberger variously referred to this projectile of force as a "magnetism", a "biomagnetism", an "organic vacuum", an "all-attracting force" or, as it was most often called, a "diamagnetismus" (see [note 11](#)).

Essentially it seems to have been the second stage of implosion. The first stage of implosion is the densifying effect (where the products implode under the centripetal cycloid motion and are squeezed into an ever-decreasing space where, as he says, they become increasingly densified) but there must follow on from this a repulsion force - as the next natural progression - which, just like in the Pipe process, shoots the product out of this densified core like a bullet high into the air (see [note 12](#)).

### Stage Four - Flying Disc:



### Archimedes displaced...

When Schauberger strove to explain his principles of levitating energy he drew upon the famous observation made by the Greek Archimedes and gave it a new twist, which I will try and duplicate here. Here is what Archimedes would like to have said:

One - Since every body loses weight in proportion to the degree to which it is displaced by a specifically densifying medium (see [note 13](#))... then,

Two - Sit in bath = loose weight (displacement of water).

Three - Sit on floor = loose no weight (no displacement of medium).



Four - If medium surrounding is more dense then it determines motion.

Five - Schauberger's trout (see [note 14](#)) expulses a densified fluid about its rear, as it expands it squeezes the trout forward.

Six - If you create a situation where normal air is more dense than the air directly above or ahead of the craft - the normal air will move the craft !

Seven - There are two sorts of 'levitational motive force' featured in the many machines of Viktor Schauberger...

Eight - One, a spinning upwards force would provide a NEGATIVE (vacuous) air density above the craft. Two, if the craft utilized only the centrifugal force, as in a Repulsine, it would propel a POSITIVE (increased) air density below the craft. Both these motive forces will send the craft up into the air. May his work continue...

After reading through this webpage, some of you must be wondering - WHY - this amazing technology hasn't seen the light of day, so to speak. Well, the answer is not as easy to explain as one might think. My company, "International Turbine And Power, LLC, is pioneering the use of the Tesla-type bladeless turbine. We have also begun the design phase for the Schauberger implosion motors. The turbine, as far as a commercially viable product is one thing. The Schauberger "free" energy devices are quite another. I invite you to click on this link for a few surprising thoughts and ideas that should startle you. [For the answer: click here.](#) After you've had the chance to read this great article, return to this webpage. Further down the page you will find some great books covering all of the information presented on this page. Below that, you will find links to products that utilize the Schauberger principles. Enjoy. FDG

[Return To Top](#)

## NOTES:

I must here say a special thanks to Callum Coats for his unstinting dedication toward his goal of getting out into the world an English translation of at least some of the writings of this great man Viktor Schauberger, certainly without Callum's books I would not have understood Viktor's valuable contribution to the re-alignment of scientific knowledge.

Note 1 - While Viktor was still alive he worked with Aloys Kokaly in Germany to write articles about the many discoveries he had made throughout his life, these were collected and published in German in the "Implosion" magazines, which can now be obtained from Klaus Rauber at: Geroldseckstr. 4, 77736 Zell a.H., Germany Another source of Viktor's scientific work is the "Mensch und Technik - naturgemäß" German periodical.

Note 2 - See his Fluid Pipe patents Austrian 134543 (1933), 136214 (1934), 138296 (1934). And too the explanation of them in "Living Energies" by Callum Coats p180-2. Also patents Austrian 196680, and French 1057576 (translated in "The Energy Evolution" by Callum Coats p104-114). Note that my fig. 3 is different from that shown in Callum's books because I believe it more accurately portrays Viktor's own explanation. For the difference in reaction between the oxygenes and the carbonates to centrifugal forces see Viktor's text translated in "The Energy Evolution" p102 and 57.

Note 3 - Another of Viktor's explanations for this transformation is; *"Like the beads of carbon-dioxide in water that has been warmed, through the strong influence of heat the residual substances shrivel up after the separation and precipitation of the higher quality constituents. Due to the high pressure the outer envelope or the carrier substance will be crushed and in this way the de-energized elements released.*



*The opposite primary elements, the varieties of so-called oxygen, will be physically released at higher temperatures, i.e. they attain the so-called charged state that enables them to consume, or as the scientist says, to bind their as it were 'devoted' condensed counterparts" (from Viktor's text translated in "The Energy Evolution" p100).*

## [Return To Top](#)

**Note 4** - This is from the patent application Austrian 146141, and from its English translation in "The Energy Evolution" p189.

**Note 5** - From Viktor's text translated in "The Energy Evolution" p100.

**Note 6** - The oligo-dynamic effect is a necessary stage in the cycle-of-action of a substance's rejuvenation, whereby the substance is broken down (decomposed) in readiness for its next stage of development. See also Viktor's text translated in "The Energy Evolution" p102/3 and p70-3.

**Note 7** - From the English translation in "The Energy Evolution" p103.

**Note 8** - From the English translation in "The Energy Evolution" p83.

**Note 9** - See the implosion machines featured in "Living Energies" p275-293 where Callum Coats gives the rotational speed as between 10,000 and 20,000 rpm, and an English translation of the Repulsive patent document in "The Energy Evolution" p189-195. The 'basic' concept is to be found in "Mensch und Technik - naturgemäß" Special edition Vol 2, 1993, section 7.5, whereupon the English translation of it can be found in "The Energy Evolution" p165.

**Note 10** - From the English translation in "The Energy Evolution" p82.

**Note 11** - It was probably a big mistake to call this force "diamagnetismus", which Viktor meant as *'through an attracting force that moved in a magnetic flux-like curve'* to describe an involuting motion, which always converges toward a line, while at the same time curling back in on itself... because it got miss-translated in English (and especially by the American scientists after the war) to represent DIAMAGNETIC as in the Hall effect or the attribute of a bismuth or a copper - which is a miniscule effect detected only in micro-electronic semi-conductors. A lot of people get fooled by that one, I certainly did - a long time ago!

In some cases, more with regard to the implosion of water than of air, Viktor refers to this *"attracting magnet for the surrounding air-masses"* as *dissociated (H)*, where H referred partly to a suctional force, and partly to an atom of the least amount of density, more from the fact that there just wasn't a better way of describing this previously unrecognized force.

**Note 12** - This second stage of implosion describes the process of inter-atomic repulsion, where the atomic lattice (and the inter-atomic spacing therein) can collapse only so far, because whoever constructed this universe ensured that when the inter-atomic spacing reaches a certain level of compression the atoms gain a repulsion force - and the greater the compression, or densifying, the greater the magnitude of repulsive forces the atoms gain (for more info on this see the [Vortex page](#)). Viktor does actually say that at the formative stage (of implosion) the up flowing force does encounter a resistance which increases "commensurably in order to provide the additional frictional surfaces required by the accelerating matter" (from the English translation in "The Energy Evolution" p81/2).

**Note 13** - From the English translation in "The Energy Evolution" p214.

**Note 14** - Viktor used the example of the trout's swim upstream as the foundation for his research into Implosion - biologists and scientists would do well to learn from it. Also see "Living Energy" p142.

END



**Suggested books:** "Energy Evolution", and "Living Energies", below.

Lastly, continue to "[Implosion Technology Report](#)" for my views on how to implement this amazing technology into today's society. Below, you will find books on Viktor Schauberg, from Amazon.com, and five websites that I highly rate for their work with Schauberg type products. These are all listed here as I have tried and thoroughly enjoy all of their products. Yep...THAT is an endorsement ! FDG

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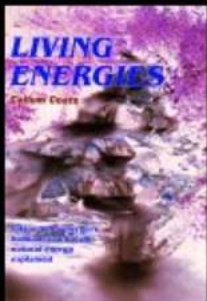
**Learn more about Viktor Schauberg...purchase the books below, from Amazon.COM**



#### LIVING WATER:

The original translation of Viktor Schauberg's work, "[Living Water](#)", by Olof Alexandersson...start here, and get each one in order.

This is an excellent, brief introduction to the thought of Viktor Schauberg, and I hope it inspires works which are more complete. Callum Coates' books reach in this direction, but what is really needed are more people to read these books, synthesize their information, and come up with new and original books which take us further into depth in these areas. This will probably involve synthesizing the work of Schauberg, Grander, Bienveniste, and others. An understanding of Schauberg is very important for those attempting to reconstruct an Indigenous European Perspective. Schauberg has the elements of a modern water shaman, and his shamanic / intuitive techniques of letting his body float with the water should be closely correlated with what Hans Peter Duerr has to say about "out of body" experience in his tome "Dreamtime". Although Schauberg lived in the 20th Century, his perspective allows us to imagine back what earlier indigenous practitioners may have been like. The Colonial, Imperialist Europe is only one side of the coin of Europe. We must also include the suppressed indigenous, pagan, and green sides. Significantly, the Inquisition represents a watershed in European history where a great deal of the indigenous healers and theorists were wiped out in holocaust proportions. An understanding of Schauberg, coupled with an appreciation of Steiner, Hildegard of Bingen, Hans Peter Duerr, and others, will allow us to reconstruct what a noncolonial, nonimperialist Europe was like. Understanding water's nature is essential in this regard, for water forms the basis of our understandings of flow. Furthermore, understanding water's energetic qualities will help us understand how it interacts with the body. Traditional Chinese Medicine, for example, would benefit from an accurate and holistic understanding of water's qualities. In short, this book is an excellent appetizer!



**LIVING ENERGIES:** The book that started it all...[Living Energies](#), by Callum Coates first Viktor Schauberg book. If you only buy one book, this would be the one to get. Fantastic. Living Energies, May 23, 2001

Reviewer: Frank D Germano: This book started it all! Callum Coates basically brought to "light" the resurgence of interest in Viktor Schauberg's theories. This is truly a brilliant work. Water as a carrier of vital energy information, trees as bio-condensers of energy between the deep earth and the sun, how self-cleansing rivers nourish the landscape, how the future of the earth depends on the replanting of natural forests, revolutionary agricultural implements, free energy heater-coolers, jet engines and gravity defying machines invented by Schauberg in the 30's and 40's, home power generators...it's pretty much all here. It was a hard book for me to put down once I started reading, and I go back to it continually for reference. This book pretty much sums up Schauberg's work which Coates then

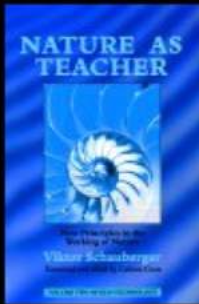


is a continuing reference. The book pretty much came up Schauberger's work, which Coats then compartmentalized and expanded in the "Eco-Technology" series with four other books. I would highly advise getting this book, first, and reading it thoroughly, before moving on to the series, as it is a fascinating preface into discovering who Viktor Schauberger WAS, and learning just how far-reaching his theories were, and applicable to us, today. FDG.



The WATER WIZARD: 1.) [The Water Wizard](#). The first book of the "Eco-Technology series" This book gives a lot of history on Schauberger. The nature of water, May 23, 2001

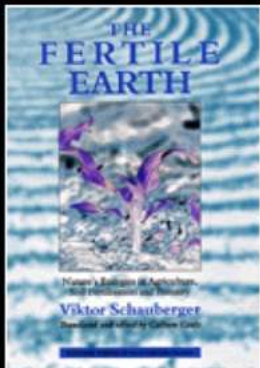
Reviewer: Frank D Germano: This is the first book of the "Eco-Technology" series, and as so, gives you the foundation of the theories presented by Viktor Schauberger, and amplified by Callum Coats. It DOES contain quite a lot of previous information written in Living Energies (Coat's first Schauberger book), however, the discussion and the text is much more thoroughly covered. The substance of water, water supply, deep-sea water, the consequences of drinking purely mechanically treated water, notes on the secrets of water, high-frequency water, the pulsation and healing power of water, river regulation, groundwater tables, temperature and movement of water...notice my use of the word WATER. Yes, this book is about water, but, by reading it, just wait until you discover what you DID NOT know about "water". It is a very good start, and as I said, a foundation for understanding the theories of Viktor Schauberger. FDG.



NATURE AS TEACHER: 2.) [Nature As Teacher](#). Part two of the "Eco-Technology series" A great book on living with nature. A very nice read.

Our Senseless Toil, May 23, 2001

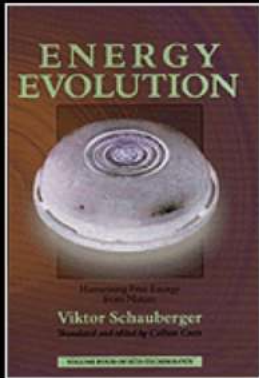
Reviewer: Frank D Germano: I had to use a title from one of the books' opening chapters. This book is going to annoy some people. Callum Coats presents Viktor Schauberger's theories in a modern light. The laws of Nature, Questions for Science, Nature as Teacher, the fish-eagle, the swing, the trout, the ox, dancing logs and stones, the Genesis of water, the coming bio-technical age, the secret of the egg form...these are elucidated...then comes the fun stuff... the age-old secret of the atom, implosive breathing, life-force and animated breathing, is there perpetual motion (?), organic syntheses, the false world view, the mechanical equivalent of heat, plasmolytic motion; this volume gives tremendous insight into what is happening in the world, today, and practical solutions on HOW we may yet save our world. Most telling is Schauberger's inane gut feelings on the powers at work in the environment, and living water. Hey, it's only volume two of the series. Get all four, and see how these books will influence YOU to change the way we look at the earth . FDG



The FERTILE EARTH: 3.) [The Fertile Earth](#) , part three of the "Eco-Technology series. Pure drinking water, how to make it, the benefits produced in the body...the natural flow and paths of rivers, and how man has disturbed nature...organic, natural farming...trees as the life giving force on the earth...it's all here! Are you trying to save Mother Earth?, May 23, 2001

Reviewer: Frank D Germano, from Tafton, PA United States: If you are in any way interested in the environment, then this book will appeal to you. This is the third book in the highly acclaimed "Eco-Technology" series by Callum Coats. Not only does the book delve into what man is doing to harm the environment, it also offers "fresh" ideas on what we can and should DO about it. I can't believe "Green Peace" or some other pro-environmental group doesn't have this book as part of their by-laws! Fascinating. Of course, the entire book is based on the revolutionary work of Viktor Schauberger. This one, if you are into farming, just have a back-yard garden, or are a hard core pro-earth person, will keep you reading till the end...and want to read the entire series. A very well written and inspiring book. A different view of natural phenomena, the influence of temperature and water movement, forestry, agriculture, the energy industry, the dying forest, timber and water in the building industry, soil fertilization, increased productivity...wow! Again, whether you are just into learning what's happening to the earth, and why, or you are serious about trying to DO something to stop the damage already done, this book will open your eyes. FDG

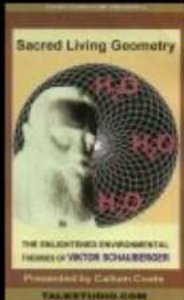




**ENERGY EVOLUTION: 4.) The Energy Evolution**, the final book of the "Eco-Technology series" (If you are interested in the designs and patents on Schaubberger's devices, this is the book. Culmination of the Eco-Technology Series, May 23, 2001

**Reviewer: Frank D Germano:** This book, being the fourth and last of the Eco-Technology series, is an incredible finish. Naturally, all of the book deals with Viktor Schaubberger, and his theories on living water, and the environment. This book, however, goes deeper into the actual inventions than the previous ones. It contains almost all of Schaubberger's patent information, most of which, even though "lost" originally, is now amplified and explained by Callum Coats. The Trout Motor, the Repulsine, the Tornado home power generator, the implosion motor, spiral "whorl" pipes, water purification, and the rest of Viktor's inventions fall

in place like a well stacked deck of cards. You could very easily build these wonderful engines, yourself (with some help from a good machine shop, of course!). If you have waited for the conclusion of the series, your wait will be well worth the time. I highly suggest you pick up this copy. FDG



### **Sacred Living Geometry:**

**The Enlightened Environmental Theories of Viktor Schaubberger: Our Price: \$39.95**

**Editorial Reviews:** The research of Callum Coats takes us on a journey through the life and inventions of Austrian ecologist Viktor Schaubberger (1885-1958). Now, for the first time, you can view the evidence in this detailed, three-hour illustrated lecture presentation on this two video set. Viktor Schaubberger was a genius whose ideas were far ahead of his time. He worked as a "forest-master" in the Austrian Alps when they were still a true wilderness. This experience was to influence his entire life's work. Schaubberger prophesied the environmental crises we are seeing today,

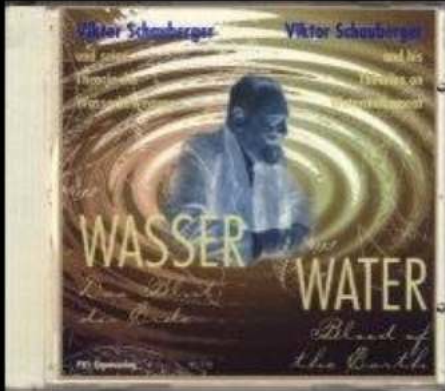
predicting that unless we start to cherish rather than exploit our world, we would surely destroy ourselves. He demonstrated how deforestation would deplete the world of water, causing deserts and climatic chaos. Asked about our technology, "How else should it be done?" His answer was "exactly in the opposite way that it is done today!" His maxim: "Comprehend and Copy Nature!"

From his precise observations of the processes of Nature, Schaubberger pioneered a completely new understanding of the nature of water as the most important life-giving and energy-empowered substance on the planet. This led him to develop a radical new science which flew in the face of conventional scientific thinking but which, today, is being increasingly recognized for its highly-relevant implications for civilization. Viktor Schaubberger might have made a career as a brilliant inventor. Forced, for a time, to develop radical new forms of propulsion for the Third Reich, he went on to work on devices utilizing the principles of implosion - hundreds of times more powerful than conventional power sources. Even in the weeks just before his death, US government and commercial interests were exerting pressure on him to reveal his secrets. Schaubberger's deep insights in the special properties of water and nature hold immense implications for future technology and ecology. On VHS tape, two tapes.

**[Return To Top](#)**

**FIVE websites that I highly rate for their Schaubberger based products. I am not associated with them, but simply love their products. Check 'em out for yourself...!**





In the 1920s the Austrian forester, hydrologist, hydraulic engineer and inventor Viktor Schaubberger (1885-1958) developed an entirely new view of water as the carrier of life. As an eco-technologist he was able to turn his amazing discoveries into practical applications and enjoyed Europe-wide successes in hydraulic engineering. His inventions for improving water quality caused quite a stir internationally. Today, after decades of obscurity, disregard and suppression, his discoveries are receiving the attention they deserve.

On this CD-Rom, 200 pages of original documents from the Viktor Schaubberger archives at the PKS (Pythagoras-Kepler School), Lauffen/Bad Ischl, Austria are published for the first time. The texts, private research findings, patents, as well as 60 graphic images and sketches by Viktor Schaubberger from 1929-1948

exclusively focus on his theories on the movement of water, water quality, the hydrological cycle and naturalesque river engineering. They are cross-referenced in the form of a handbook with hypertext functions. Index and search functions enable easy access.

**EARTH TRANSITIONS**

Furthermore, the CD contains 8 audio sequences of Viktor Schaubberger's voice (this recording is the only surviving audio document of Viktor Schaubberger), plus 4 video clips with extracts from an historical film about a log-flume erected by Viktor Schaubberger. The CD is in both German and English language. Order through: *Earth Transitions*, or the *Center For Implosion Research*...your choice.

## [Return To Top](#)



### Viktor Schaubberger's "Whorle-pipes"

It's not too often that I will include links to products, other than books on this website. This is one exception. Pictured to the left is a pipe that replicates Viktor Schaubberger's "Whorle pipe" and is of extraordinary construction. I won't waste time, here, with much more of a description. Just click on this (translated by "BableFish") link and go to the website...order one today, and hook it up to your home's water supply: you'll be glad you did. Note: unless you have a translation program on your browser, you'll be stuck in German. Here's the scoop:

**Areas of application:** The tubes are intended for the energetic revaluation of drinking water. As long as an official examination of the tubes is not present by the TÜV yet, we recommend for the moment only the transfer in accessible areas. For a firm installation under plaster we take over no guarantee. The tubes are checked after distortion random check-well-behaved for 10 cash pressure. The tubes are supplied as bars with different lengths, maximally 2.5 m.

### [Association for implosion research and application inc.](#)

This is the link, above, to the Association for Implosion Research website. If you have trouble opening this page, or, if you do not have a German to English Translation program...use this link, below. Copy/Paste THIS link - (<http://home.t-online.de/home/Klaus.Rauber/verein.htm>) into the



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"Alta Vista - BabelFish" url translation spot...

## **BableFish Translation Page**

Contact address& email: Klaus Rauber , Geroldseckstr. 4 , 77736 cell a. H. Tel./fax: 07835-5252...email: Klaus Rauber ( [Klaus.Rauber@t-online.de](mailto:Klaus.Rauber@t-online.de) ) use THIS email address to reach Klaus. It is listed incorrectly on the rest of their website. FDG

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## **Return To Top**



### **ECOWORLD - The Company**

ECOWORLD NEW ZEALAND LIMITED, was launched in June 1993 as an environmental marketing company for natural bacterial products. The Grander "Living Water" Systems were soon added to ECOWORLD's list of environmental products once the far-reaching impacts of this technology were known.

Specific treatment protocols for the natural bacterial products have been tested and developed by ECOWORLD to suit various applications, and service persons are trained in the use of the products. The Grander "Living Water" Technology has been trialed in many different countries and industries with satisfactory results, and a set of installation criteria has been developed for New Zealand conditions.

Both technologies of Bio-Remediation and Grander "Living Water" Treatments are environmentally friendly, they are world-renowned, and they compliment and enhance each other. ECOWORLD are proud to bring these technologies to our part of the world. ECOWORLD operates nation-wide, using mail order and telemarketing methods, and has developed a network of personnel working both in marketing and servicing.

All personnel are environmentally conscious and keen to play their part in promoting New Zealand's clean green image. I've ordered quite allot of their products, and am thoroughly impressed with the quality. I really like the "Pendant" (you wear this little super ionized water encasing pendant...hey, what the heck...it looks nice, and it makes you feel "good"! I even have given serious thought about becoming one of their distributors. FDG




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**Centre For Implosion Research** *The "CIR"* was founded in December 1997 by Dolly Knight, MBBS, GCHM and Jonathan Stromberg, BSc, MSc, DIC, FGS. Dolly holds a degree in Medicine and in Homeopathy and has cared for and healed many people and animals since the age of three. Jonathan holds a Bachelor of Science in Environmental Geology and a Master of Science in Engineering Geology and is a Fellow of the Geological Society. Both are members of the Scientific and Medical Network.

They believe we have a duty to do whatever we can to improve our ailing planet's environmental condition. Their aim is to realize Viktor Schauberger's goals and develop technologies, which are simple, pollution free and work in harmony with Nature. We hope that their work and products will help to reverse some of the damage already done.

Check out their "Vortex Energizer" series products, and the "Water Egg". All of their products are based in some way on Viktor Schauberger's ideas. This link will take you to their home page...from there, click on the "products" link. [\*\*The Center For Implosion Research\*\*](#), United Kingdom . FDG

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**For Health Reasons** (makers of quite probably the best water filtration system, based on victor Schauberger's ideas, of course, on the planet! Purer Distilled Drinking Water:

When vapor turns to rain, it passes through temperature gradients where the temperature is continually changing with oxygen. This process stretches and contracts the H bonds that hold the molecules together...this creates ENERGY! Plant diseases are caused by viruses and bacteria, and our method of autoclaving them, using INTENSE HEAT, DESTROYS THEM (NOT just boiling).

The research chemist and others spent thousands of dollars on every product on the market, and ONLY OUR METHOD prevented the diseases in plants and caused incredible growth by just dropping plant buds in the water. Root growth 2 1/2 inches long compared to 1/8 of an inch in any of the others during the same time frame...even compared to water with nutrients added to the it!! This test was REPEATED over a period of three YEARS ...so there is no mistake!. The BOTTOM LINE is that today's ordinary water is DEAD!! Why would ANYBODY want to use DEAD water, and yet most people do! If you can afford the rather steep price of their units, it is well (no punn intended!) worth the price, from personal use, on my end. FDG

## IMPLOSION TECHNOLOGY: AN ALTERNATIVE , SUSTAINABLE, NEW BASIS FOR MODERN TECHNOLOGY.



[Return To Top](#)

### Introduction:

This webpage is an altered version of, and an addition to, the basic report on implosion, by Callum Coats (author of Living Energies and the Eco-technology series books) and is intended to advance on his initial undertaking. Many thanks are due to Mr. Coats, in respect to the enormous work that he has already done. He has been the true pioneer, and, has single handedly brought Viktor Schauberger's theories into a new light and true public awareness. I have taken great liberty by modifying the original proposal by Callum Coats, and hopefully, by thrusting "International Turbine And Power, LLC" into the mix, we can force large corporations, governments, and "big business" to take a serious look at Schauberger's amazing implosion devices.

In June of 2001 the proposal to do a report on Viktor Schauberger and "Implosion technology" was begun; A number of planned steps are being made for the development of Implosion technology. Doing this report is one of those first steps, coupled to practical research and development undertakings in the United States, Austria and Australia. This report contains sufficient information to start with research and development and with the



re-building of some devices designed and made by Viktor Schauberger, which applied Implosion technology aided by diamagnetism and anti-gravity. "International Turbine And Power, LLC" out of Cody, Wyoming, will lead in the investigation and implementation of this technology, and explore the potential of large-scale commercial utilization of the devices. Several units have been designed and the necessary funding for this project is being located.

Individuals and groups of people are actively pursuing this area of interest world wide. Study and experimentation has continued after Schauberger's death, especially during the last 20 years. A substantial amount of information exist in his own writing, in books, articles, reports and historical accounts, including what took place during and after the Second World War. The motivation for this report is my focus on getting this Implosion technology and some of Viktor Schauberger's other inventions established and applied in our society. The many life threatening environmental deadlocks of our present time, are a legacy of the type of technology we currently employ, using fossil and nuclear fuels.

Finding scientific, practical, and sustainable solutions has now become a matter of survival, for us and for many plant and animal species, in the short term. Another motivation is my determination to help break the "stalemate" situation which has held this Implosion technology from being developed for over half a century, in spite of today's environmental crises. The development of scientific knowledge cannot be halted indefinitely, but for a relative short period of time. Making a report, assimilating all the available information, and networking, is the first step towards that goal.

The objective of this report: It is the objective of this report to, 1.) provide extensive information on Implosion technology and on the inventor, Viktor Schauberger, and his numerous designs and devices. 2.) To establish networking and associated activities. 3.) To stimulate further research and development worldwide, and 4.) To assist fundraising applications for practical research and development work.

## [Return To Top](#)

**Basis of understanding:** To do justice to implosion itself, it must be described within its full context. That context is "living water". In my view, this can logically not be otherwise! In order to understand Implosion technology and to successfully apply it, an understanding of the principles and mechanisms involved is required. These are displayed by all aspects of "living water", with all of it's features and characteristics, and by it's inherent qualities and potentials. Holistic thinking is required to understand what Implosion technology is, what is involved and how it works. Thinking in *processes*, rather than in fixed concepts, wherein the totality in which any natural phenomenon occurs, is understood and accounted for. Our more familiar *linear* way of thinking nowadays, thinking in terms of cause and effect, does not suffice! The existence of implosion and the nature of diamagnetism are known, to an extent, yet largely ignored by modern physics. Since Schauberger's time, any physical proof



has all but disappeared, so they remain to be investigated and formally clarified.

**Today's technology:** The basis and primary mode of today's technology, is based on

*explosion* - expansive, centrifugal movement. We have directed our attention on the *degenerative* forces in nature by using combustion, heat, friction and pressure. It is known that the efficiency of this energy base (fossil fuels and nuclear energy) is not more than 35%, that it exploits the natural resources, and is responsible for extensive pollution and damage to the natural world. It stands to reason that we now look the other way to a frictionless cooling and compacting of matter through the geometric coiling action of the cycloidal spiral movement in a **VORTEX**.

Until recent times, we have been incapable of clearly seeing the simplest natural phenomena, while being continuously surrounded and bombarded by them. We fail to notice and are unable to decipher a myriad of examples which illustrate the activity of the spiralic, imploding principle. There are many vortex examples: e.g. shells, galaxies, antelope horns, sunflowers, pine cones, tree branches, tornados, cyclones, hurricanes. These are the after-images of pure, creative activity, working through a specific movement. These are obvious and clear physical imprints of the imploding activity. This activity is the mechanism by which the "World of Energy" connects with the physical world.

My argument is that we should use this formative principle as an energy base. In short - The spiralic contracting movement, as in a vortex, has not been utilized technologically. An energy source, which sustains us and surrounds us in abundance remains untapped. There are very good, and urgent reasons for investigating this as yet untapped vortex energy *thoroughly*.

**The principles involved with Implosion technology:** All movement is the outcome of attraction or repulsion; between *expansion and contraction*. All life forms develop as a mirror image, or, as consequence of this activity, between polarities. By imitating the examples which nature shows us - both the *creative and formative* natural processes can be enhanced to a maximum output situation (e.g. the smaller a hole of the vortex is, the stronger the suction will be). When this natural principle is artificially accelerated, this energy source is made available.

This technology utilizes the levitational properties of water and uses diamagnetism, as raw energy, present within a biological vacuum. This technology copies creative processes, therefore it yields positive and sustainable results in excess. (Some of Schauberger's' inventions were "Free- excess energy" devices.) In Implosion technology, two types of motion are combined or simultaneously taking place - Centrifugence: which gives pressure, friction, temperature rise and biological deterioration. - Centripetence: giving suction, temperature drop and biological improvement.

**The working mechanism:** the double cycloid spiral curve (as in a vortex) concentrates ,



**contracts and compacts the water. This contraction cools and this cooling creates a vacuum. This vacuum augments suction, the whole process generates a diamagnetic force. Compacting physical matter to point beyond which it "dissolves" into its energetic form and thus allowing it to return into the physical, can be achieved artificially or mechanically.**

**Important to remember:**

- 1.) the combination of the centrifugal - and centripetal movement**
- 2.) the equatorial alignment of particles (diamagnetism)**
- 3.) the negative electric ionic charge and the negative pressure (a gradual or sudden concentration of liquids or gasses produces a negative pressure and through this, implosion.)**

**[Return To Top](#)**

### **"Comprehend and Copy Nature"**

**The principles which Viktor Schauburger adhered to and implemented in order to make the "Implosion motor" and other (levity) devices, were derived from having this attitude: *"Comprehend and Copy Nature" or "C2".***

**Benefits and perspectives of Implosion technology: Should we be able to illustrate and prove the claims made here concerning Implosion technology, the consequences for modern society as we know it would be significant indeed. The re-development of this Implosion technology would have more than a major impact on the way we live and on the way we do things. It will not have to take long for people in general and for our environment more importantly, to experience the unimaginable benefits from using Implosion technology.**

**Electrical power can be generated at home from spring water. Levitation devises will go six times faster than the Boeing 747 at a fraction of the running costs, without pollution or any noise; their possible size being unlimited. Good drinking water ("Wunder Wasser") can eliminate sickness and disease in the living organism. Implosion technology does potentially offer sustainable solutions to many of the environmental crises of today. The use of implosion technology allows us to eliminate the general need to use our current types of inefficient, exploitative and damaging technology which still use combustion. Implosion technology stands to revolutionize our entire social fabric.**

**There are some technical, organizational, and financial hurdles to be overcome to achieve our set goals for the development of Implosion technology, however, given the proper funding, rapid achievements can be expected. My estimation is that in two years (from now) we can start breaking into the market with devices, such as were made in Schauburger's time, which use Implosion technology. In the "Emerald Tablets" the "Tabula Smaragdina", the following can be found : *"Combine the heavenly with the earthly in accordance with the laws of nature, and health and happiness shall be yours as long as you live"***

**Research, education, and outcomes: Several groups of people are doing preliminary**



**experimentation on liquid flow phenomena, and with Schauberger's concepts. As far as what is known to me now, the following initiatives are undertaken:**

- in Austria: summer seminars are given at the "Pythagoras Keppler Schule" (or P.K.S.), the Schauberger family estate near Bad Ischl,**
- in Germany: lectures are given and articles are published (e.g. by Ron Engert), describing the above,**
- in The Netherlands: attempts are made to organize the planning, the funding, and the co-ordination for research & development and production. Together with the Australian team, some excellent results are expected.**
- in Sweden: research is being done on various flow phenomena of water; free flowing and in vessels,**
- in Germany: researchers are looking in libraries and archives for articles, news reports, eye witness accounts, and quotes on early facts of the "lost" data and Schauberger's earlier achievements (e.g. flying saucers),**
- in the USA, an investigation, mainly by digging up any (hidden) information on the world-wide-web has started, mostly with the resurgence of interest in Schauberger technology from the Callum Coats books, and by individual websites. Additional views are being presented and all patent data is continuously being absorbed and published.**
- in Australia: research and development has started on three proto type devices, which will demonstrate some of the principles of Implosion technology and which will then become available as products.**
- Contact is being maintained with the Schauberger family in Austria and with Mr. D. Feierabend in the US (who is in possession of one of the original devices), by Callum Coats.**
- International Turbine And Power, LLC has begun CAD work and renderings of the Schauberger implosion devices. Preliminary figures and computer mock-ups suggest that the devices will work as described. Investors and funding is being sought to further the research and development stages. ITP feels that a true working prototype implosion device is operational within six months of initial funding.**

**[Return To Top](#)**

**Networking: A sound network of people is building up world wide, with people and groups interested in the re-development of Implosion technology. The various activities should be coordinated in a cooperative and constructive manner, to achieve any desired results more quickly. Reports and articles are appearing steadily on the internet, which are monitored and filed by Callum Coats and myself. The exchange of information and ideas is mutually beneficial, and therefore, I have taken up forming a central network. Once the network is fully operational, all parties involved will share and be connected to information, instantaneously. Wireless, interactive systems are being installed by International Turbine And Power, LLC in remote locations. This grid will be powered, for the present, by ITP's**



**turbine engines.**

**Research and development of Schauberger's inventions in the United States and Australia:**

**The Australian team is developing three Schauberger inventions. ITP is combining efforts to fund development on all of the Schauberger implosion devices, and the water purification systems, and the pumping systems. These form the first practical steps towards developing the necessary theoretical and practical knowledge to start with the Implosion motor. These first devices, are:**

**1.) The "Energy body" for rivers: egg shaped bodies creating longitudinal vortices in the central water flow. The longitudinal vortex creates a cooler, condenser, faster flowing central water mass which is the mechanism by which the river carves out it's own desired flow path, and which trout and salmon use to migrate up the rivers for spawning. Many problems we experience with rivers and streams, e.g. flooding after some rain, are a result of human interference with the forests and the actual flow-path of rivers. Canalization and dredging are about the worst things to do to a natural river. These problems can best be solved by helping such a river re-establish it's natural, dynamic flow pattern. These "energy bodies" are described by Schauberger to yield dramatic, positive, changes in the riverbed formation within a very short time span.**

**2.) A vertical pump: imitating capillary action of water and air bubbles much like across between a tree and a ram pump. Lifting a water column higher than nine meters vertically has been impossible up to now (laws of physics-gravitation). There are places such as farms, where a significant change would be experienced if there would be a brake through, making water available where previously that wasn't possible, e.g. by pumping water straight up from a bank or cliff, out of a river. This development may be a brake through in terms of what is known about pumps and pumping water in different ways, however more importantly it demonstrates the "C2" principle in practical application. By utilizing ITP's vast knowledge of the Tesla-type pumping systems, and comparing them to the Schauberger systems, a proper evaluation of their worth can be attained. It may also be advantageous to combine the two systems in some form or another.**

**3.) A water purifying device: a purifier which is using the so-called "Wavy plates" to achieve centripetal movement. Some CO2 is added in the process, separating and cool-distilling the water imbues it with levitation properties and makes it ready for human consumption (best at 4-5 degrees Celsius). The remainder of the water keeps being processed in this egg shaped device, which has a manometer to measure the vacuum created. These are the first serious steps towards development of the implosion motor, as, the "wavy plates" are used. These were designed by Schauberger after using a wheel of "Kudu horn" shaped tubes (these original devices are extremely difficult to construct). This "mark 2" design principle, once proven successful, is where the Australian team will pick up the development of the implosion motor. These relatively simple devices can come into production, offering direct, practical, sustainable solutions to existing problems.**



## [Return To Top](#)

4.) International Turbine And Power, LLC will complete investigation into feasibility of Repulsine, Tornado Generator, Implosion Motor, and Trout Motor type engines and machines. As funding becomes available, ITP will build working prototypes of these machines and evaluate their effectiveness, performance and cost of operation and commercial viability. ITP is presently designing the first-ever, Schauberger-based vortex energy water-powered spiral generators. Through the use of ANY naturally flowing river (with a water flow greater than 30 cubic meters per second), ITP can harness the energy of the flowing river water, channel it into a "Spiral Vortex Generator" (using our newly developed "InVAID®" system - Initiated Vortex Accelerated Implosion Drive - patent pending), and direct the accelerated water flow into a modified Tesla-type water turbine. The results are very impressive. It is also a solution and a means of supplying almost unlimited, non-polluting electrical energy to any community, town or city. No ecological damage, in any way, results from the implementation of this type of river-flow based power system. Please see my report on "[Water Power](#)", and "[Water Power II](#)" for a complete explanation of the devices.

## DESCRIPTIONS OF WATER

Water itself...What is water? We may truly ask!. Water is everywhere, and predominantly so. There are many answers to that question as there are as many types of water as there are living organisms.. Maintaining the opinion that water is H<sub>2</sub>O is merely reducing the matter to "the lowest common denominator" only. Of all the water on Earth, only 2-3% is available as drinking water. This should be kept in mind while we use and abuse that small amount! When we see water not merely as H<sub>2</sub>O, but as versatile and highly mysterious substance, we might get closer to understanding the dynamics, the harmonics and potentials this medium displays to us.

Water was here first, so to speak. It is a mystery and a complete wonder in itself that it was created at all !!! If we would understand water, we would not have the many perilous environmental crises of today.

Some characteristics of water are:

1.) The dynamics of flowing, GOOD healthy water is bristling with levitational and healing qualities.

2.) Water is always in change. It flows down and moves about at varying speeds, shaping and folding itself in layers which slide over each other, thus fitting a greater volume into a smaller surface area and cooling it off. The forward movement of every particle is closely associated with a specific temperature. Schauberger made a big point about "the temperature gradients", which regulate movement.

3.) When flowing water warms up (e.g. by the sun), its tractive forces weaken. Cooling down occurs in the flow-axis. This core water mass moves fastest and thus deepens its'



channel.. This higher flow-velocity, relative to the peripheral flow along the embankments, creates suction, which also releases pressure from these embankments. The higher the flow-velocity of the cooler core-water mass is, the higher the buoyancy.

**Water Quality:** Water is qualitatively not the same at different temperatures; Water can "go off" too. The anomaly point for water is at +4 degrees Celsius, where water is healthiest and densest. Water always carries other substances. The sea water contains mineral salts and silicon from eroding granite mountains. This silicon is associated with the waters' levitation properties, which is why Schauberger uses siliceous emulsions in his Implosion technology. (In Bio-Dynamics too, great importance is put on the role of silica, whereas in conventional agriculture it hardly gets a mention.) Water is electrically charged too, during and after a storm the drop size is enormous at times. As such, water can justly be called "The Blood of the Earth". It is rich in many ways and very much alive.

**The Wave:** What is a wave made of? The wave but momentarily shapes and uses the water after which it fades away to be replaced by another waves. The continuum, and re-entering of other waves without canceling each other out is an expression of energy. The seas' water mass, as a whole, rocks gently sideways, determined by the Earth's rotation, as well as the Lunar and Solar gravitational pull. In the sea, the wave goes through the water; the water itself doesn't travel far. In a river the water goes through the wave, here the wave is stationary. The ocean wave gets its energy mainly from the wind. In the river, the wave is formed by the rocks and sticks and banks. Is a wave really part of the objective world? A wave is made of energy; pure energy in motion.

### [Return To Top](#)

**The Meander:** Water naturally flows down any gradient, however it does so seeking the long way down. It doesn't move downwards as a solid "body" of water in a straight line seeking the fastest way. On the contrary, it "wanders about" from left to right and forms an irregular snake-like, general flow pattern called a "meander". This meander is seemingly chaotic, and appears to be shaped at random without much order. The curvatures, however, correspond by and large with the curvatures that can be found in very many natural phenomena, (e.g. in tree branches, in lightning and in many proportions of our own body).

**Flow Dynamics:** There are a myriad of flow dynamics in such a stream of water, which would explain the creation of this long meandering pathway, which the water always seeks on its way down to the sea. E.g.: cooler water moves faster than water which is slightly warmer (i.e. 1/10th degree Celsius), thus creating drag and possibly suction. It is also more compacted or dense. Whereas the body of water as a whole might stream downwards at a certain flow rate, there are numerous places and occasions where water actually flows in the opposite way, or slower, or is momentarily at an apparent standstill. The essential point about the meander is the apparent chaotic- but specifically ordered- movement, from left to right and back. It is like a cross section of a spiral, with the mathematical base pattern:  $1=1:1.618$ .



**The Vortex:** We have all experienced **vortexes** in our lives. The best examples are found in rivers and streams. For most people who don't often get to experience and observe rivers or streams, there is the experience of a draining bathtub or sink. Gravity is a major aspect with the latter example, however these are still good examples of what actually takes place in such a vortex and serve to illustrate the processes which are involved.

A defined body of water (or air), with a certain mass and surface area, has a flow rate: the velocity of which increases in an accelerating fashion, while the surface area is twisted into the vertical plane around a hole and decreases. The physical mass gets compacted to a point beyond which it "dissolves" into its' "energetic form" or matrix, leaving the "space" and "energy" (from between the sub-atomic particles), which we call "vacuum" or "void", while resulting in negative pressure or suction. A biological vacuum is created, which again augments the suction. This whole process produces *diamagnetism*.

Sub-atomic energies such as the "Weak Nuclear Force" and diamagnetism are released, and, like the suction or levity, are potentially available. Aspects involved with this process are the specific characteristics of the medium. With water or air:

- 1) compaction when temperatures reach the "anomaly point".
- 2) the "dynamics of flow" (such as the "folding" in layers) and a flow rate-differential of water or air particles related to.
- 3) the "temperature gradient": successions of temperatures up or down (i.e. positive gradient or negative gradient), always aiming for the anomaly point. The anomaly point is where a substance or organism is "healthiest" or "best"; for water this anomaly point is at 4 degrees Celsius, for us humans it is 36.5- 37 degrees Celsius
- 4) the actual pattern of movement; the shape, the proportions, and the curvature of it's pathway, is very specific. The harmonic of the double cycloid spiral curve is based on "PHI".

**PHI:** PHI is the specific formative principle expressed mathematically in the ratio:  $1=1:1.618$ , the so called "Fibonacci cycle", better known as: "The Golden Mean". (each number added to the next gives the following number, as in 3-5-8-13-21-34 etc. or multiplied by 1.618 = 0618-1.000-1.618-2.618-etc.). Daniel Winter (U.S.) calls this harmonic : *"The only permissive path from matter to energy and back. The Mathematical image of the condition of pure self reference"*.

The possibility for the development of Implosion technology exists, however, any physical proof of the success of Implosion technology by Viktor Schauberger has disappeared. Implosion technology can be easily developed because of the inherent simplicity of the devices. The current environmental crises leaves us no choice but to develop this type of technology. There are some basic uncertainties surrounding Implosion technology, e.g. unknown side effects (chain reactions?). There is a need for organization, coordination and cooperation to unite the various practical efforts world wide.

[Return To Top](#)



# VIKTOR SCHAUBERGER: DISCOVERY AND HISTORY OF IMPLOSION TECHNOLOGY

## Introducing Viktor Schauberger:

*" They called me deranged. I hope that they are right. It is of no greater import if another fool wanders this earth But if I am right and the science is wrong, then may the Lord God have mercy on mankind."* Viktor Schauberger. Viktor Schauberger was born as a foresters' son in 1885 in Eastern Austria and lived until mid September 1958. He had no academic training but had a deep knowledge of biology, chemistry and physics. He also was a good drawer and craftsman and developed an exceptional understanding of water and its natural (flow) phenomena.

He had an uncompromising believe in his perceptions and concepts, was obstinate when opposed and had a choleric temper, which was frequently expressed in his writing. Viktor's deepest wish from early childhood, was to be a forester like his forefathers had been right back to the 15th century. He didn't finish school and spent his time in the forest before he became known through the building of water flumes for the transportation of big mature timber logs from the forests in the mountains.

He built and designed many other devices and tools after that, all based on fundamental, creative principles which he had observed to be at work in living nature. He was able to see the natural world holistically, unlike us who tend to concentrate on "the thing itself". He saw any natural phenomena: be it a river, a fish, a tree, or a bird in the context of the environment in which it occurs. He therefore discovered how specific archetypal principles and shapes are expressed consistently in any living organism, in design as well as in function. He brought this insight down to earth with his above mentioned skills and through quite advanced inventions.

[Return To Top](#)

## Biography:

**6-30-1885...** Viktor Schauberger is born in Holzschlag Eastern Austria...

**1914-1918** has a job as a forester and is a soldier during the First World War.

**1919** First he is a forester, then he becomes a forest master and game keeper in Brunnenthal/Steyrling, under jurisdiction of Kirchdorf, (on the Krems river, Eastern Austria) and of Count Adolf zu Schaumburg.

**1922** Schauberger designs and builds the water flumes at Steyrling and reduces logging costs to one/tenth. He is promoted to property forest- and game manager.

**1924** He becomes State Consultant for logging flume installations.

**1926** The "Riverbed fin" is developed and tested in Neuberg on the river Murz in Steiermark.



**1928 Further Riverbed Finns in Austria- Yugoslavia and Bulgaria.**

**1929 First patent registration in the area of water technology and of turbine technology.**

**1930 Film "Carrying Water" about the Neuberg installation.**

**1931 First trials in generating electricity from water ("Wasserfaden Trial").**

**1932 Achieved the "Wunder Wasser" and water powered engines, implosion motor.**

**1933 First and only book "Our senseless toil" appears in Vienna.**

**1934 Meeting with Adolf Hitler on forestry and river management, refuses to work for the "3rd Reich".**

**1935 Air turbine patents are registered and the "lifting" of liquids and gasses into energy is achieved.**

**1937 The "Warm-Cold Engine" build by Siemens melts down after unauthorized testing.**

**1938 Viktor gives his son Walter authority to repeat the "Wasserfaden" Experiment; Walter achieves currents of up to 20.000 Volt.**

**1940 The "Repulsine" to obtain the "Wunderwasser", is constructed in Vienna.**

**1941 Difficulties and intrigues with the Vienna Engineering Association culminate, also increasing SS domination. Schauberger works near Augsburg for Messerschmidt on engine cooling systems. There was some correspondence with Heinkel about aero plane turbine drive engines.**

**1942 The levitation device is started and crashes against the ceiling of the factory.**

**1943 Commencement of further design, research and development on the Repulsine at a camp near Mauthausen. The aim was developing a submarine drive engine.**

**1944 Further development on the "Repulsator" in Vienna, at the SS engineering college at Rosenhugel.**

**1945 Start on the "Climator". USA troops seize various devices and materials. Transfer to Leonstein.**

**1947 Further water purification devices are build in Salzburg.**

**1948 Co-operation with the Rosenberger Company in Austria, agricultural tools and the "Twister Pipe" are invented.**

**1950 Patent registration for agricultural tools made with copper.**

**1952 The "Double Twister Pipe" is tested at the Technical College in Stuttgart. Schauberger's theories on altered friction in fluids are confirmed. The first copper plated plough is tested at Linz Agricultural College.**

**1954 The main part of the home power generator is developed, difficulties with first tests.**

**1955 Book by Leopold Brandstatter "Implosion or Explosion" comes out. 1957 Co-operation with the Firm "Swarovski" in Tirol; further home power generators are build.**

**1958 An American consortium offers Schauberger financial means to research implosion technology. Journey to the USA with son Walter. After hardship and difficulties Viktor leaves the USA. After he had been forced to sign a contract which prohibited him from doing any further research and making any statements. Various devices and technical drawings are also to stay in USA. Viktor dies on the 25th of September in Linz, five days after his return from the USA.**



## [Return To Top](#)

Viktor Schauberger was a remarkable man, endowed with the ability to develop a technology based on natural, creative principles. He invented and built various devices for cleaning water and for electric power generation, as well as levitation devices. He designed dam walls, outlets for electric power plants, agricultural tools, special "twister" pipes, nozzles, distillation plants, "flow regulators" of various sorts for rivers, turbine engines and more. He did not however, have the gift of tact or patience when dealing with the establishment. He was continually annoyed and frustrated by academics, hydrologists, and engineers, and frequently lost his temper. Consequently his articles were banned from publication for some time.

Various designs and devices of Schauberger's inventions: water healing... flow regulation for agricultural use...Implosion technology...Spring Water Producer...River Log Flume...Wooden Twister Pipes...Home Power Generator...Repulsator...Emphore (water container)...hydro dams...fermentation chamber...Climator...Repulsive "a and b"... Longitudinal Vortex Generator...Manure Transformer...sterilization unit...Tornado Home Power Generator...Egg-energy Body...Spiral Plough...special "whorle-pipe" Nozzles...Implosion Motor...Trout Motor (submarines)...Flying Saucer.

### Brief description of the Schauberger inventions:

1. **Water healing:** The principle: Enhancement of the levitational properties of water.  
The Spring water producer: Large water restorer created so called "*Wunder Wasser*".  
The *Emphore* water container: Egg shaped water vessel to maintain stored water quality.
2. **Flow regulation:** The principle: utilizing temperature differences and gradients.  
The River Flume: Meandering wooden log transport canal build down mountain slopes.  
Hydro dams: Designs for dam walls to reduce pressure and leaks.  
Energy Bodies: Egg shaped river flow regulators, regeneration of longitudinal vortices.  
Longitudinal Vortex generators: Concave- wedge shaped forms, for torrent confinement in rivers.
3. **Agricultural:** The principle: utilizing flow dynamics, (also as radiation into the soil).  
Wooden Twister pipe, or "*Whorl pipes*": Arrangement of little fins inside pipes, for spiral water flow for consumption water for people, animals and plants.  
Fermentation chamber: Egg shaped vessel, placed under ground to enhance energy flow to restore mineral imbalances in the soil.  
Manure transformer: Egg shaped underground vessel for (aerobic) maturation of manure.  
Spiral plough: Copper plated plough, for minimal soil damage and mineral restoration.
4. **General use:** The principle: utilizing electric charge and using flow dynamics in design.  
Home power plant: Electric power plant for domestic use.



**Climator**: To acclimatize a room or house both cold and warm simultaneously.  
**Sterilization unit**: One of many small designs, they illustrate the principles that Schauberger worked with.

**Nozzles**: Special fish shaped gold- or silver plated miniature nozzles for implosion motor.

5. **Implosion**: The principle: accessing the biological vacuum, utilizing diamagnetic force.
- Repulsator**: The second model water restorer, for break down of our body's excess acidity.
- Repulsine**: Vaporizes, purifies and distils the water through cold processes.
- Tornado generator**: Implosion motor, for electric power generation, using spiraled pipes.
- Trout motor**: "Biological submarine", also implosion motor design with wavy plates.
- Flying saucer**: Levitation device using rotating wavy plates and turbine technology.

**Historical developments 1940-1952:**

### [Return To Top](#)

The development of the Implosion technology takes place in a broader context than Viktor Schauberger only. Of particular interest is the fact that during the Second World War scientists like: Thule, Schriever, Habermohl, Bolenso, Miethe, Schauberger and others, were made to work together or in teams at several locations such as: engineering (war) factories throughout Nazi Germany like "Penemunde", "Mauthausen" (military camp Poland), and in laboratories, in Vienna-Austria and in Bavaria. Big firms such as BMW, Messerschmidt and Siemens, also took part in this technological development. There was a time squeeze...the war had already lasted three years; then there were some real achievements. During that last year of the war, the first test flights with different sized discs were taking place at the well known "Hanebu 2", above Prague..

In 1945 there were the reasonably well known "Foo Fighters", mounted with a "Klystron" microwave tube. These were small, semi ball shaped, pilot less, remote controlled flying objects. At the same time the World's first guided medium range missiles, the "V1" and the "V2", plus the "advanced" (model) fighter planes like the "Horten Ho 229", looking like the recent "Stealth" bomber were produced and used in Hitler's warfare machine. The doors had been opened to employing various forms of magnetism and electrical charge, as well as levity, (rather than having to overcome gravity!). Clearly the Nazi's were technologically ahead from the rest of the world as many new results were achieved. The Americans were keen to get on to this technology even during the war and to beat the Russians and the British to it!

At the end of the war the "Brains of Europe" were divided between the Russians and the USA. They "combed" Germany, and many Nazi's went to the States. This technology based on implosion consequently disappeared and was not seen again following the Second World War and Viktor Schauberger's death. There has therefore been a time gap of some 50 years, in the development of this Implosion technology.



## [Return To Top](#)

A "science monopoly situation" was created and *upheld* by American political and industrial motives. *The hard fact that the USA possess, and knowingly withholds this technology from being further developed as a sustainable alternative, was, until recent times, one of the most guarded secrets of the USA Government and it's Secret Services!* Many reports were repressed. Inventors and scientists were ridiculed, and moreover, the first attempt to develop any aspect of this technology was directly halted (people were threatened and killed).

There have been numerous UFO sightings, especially during the 50's and 60's. The belief, or rather - cover-up - that these sighted objects had something to do with "Aliens" was successfully launched. This tabloid spoof diverted the attention. There were occurrences like the Spizbergen UFO crash 1952, which did get some publicity and which made it more difficult to conceal this hard fact. Today, with free flowing knowledge and information, particularly on the World Wide Web of Internet, this information can no longer be contained. Individuals and groups of people world wide are now inspired to pursue this matter further and to do practical experimentation. Basically...say "hello" and "hip-hip-hoorah" to the internet and the worldwide web!!! Just try to stop us now. *People will no longer be intimidated.*

### Summary:

The development of this technology stopped when the second World War came to an end. The Americans took all the technical data from places like "Penemunde" (Germany) as well as combing the existing libraries and patent registrations. This data has been kept secret until recent "internet years". Whatever information is still obtainable, is now being shared and studied world wide by a growing number of people. Some ecologists and farmers possess a degree of understanding of the phenomena and principles in nature which express the implosion principle. The available information plus the limited understanding of some people, is sufficient to study what Viktor Schauberger has achieved and to re-commence this work. The practical construction and application of these devices is necessary to study and confirm the principles and processes involved in Implosion technology.

Thank you for you time,

## [Return To Top](#)

<a href="#">Navigation Menu For The Book</a> <a href="#">Life Flow One</a>		
<a href="#">Home Page</a> <a href="#">Karl Loren's Book</a>	<a href="#">Home Page Of The Data</a> <a href="#">Section -- With Links To Each</a> <a href="#">Separate Article</a>	<a href="#">Shopping Cart</a> <a href="#">To Purchase Oral Chelation</a> <a href="#">Products</a> <a href="#">From Karl Loren</a>



<b><u>FROM KARL LOREN</u></b>		
<b><u>Home Page Of The Karl Loren Writings Section -- With Links To Each Separate Item</u></b>	<b><u>Search The Entire Web Site Using The Professional Google Search Engine Especially Indexed For This Web Site</u></b>	<b><u>Home Page Of The Oral Chelation Web Site</u></b>
<b><u>Section One Who Will Die?</u></b>	<b><u>Section Two The Cholesterol Section</u></b>	<b><u>Section Three What Causes Heart Disease?</u></b>
<b><u>Section Four The Solution To Heart Disease</u></b>	<b><u>Section Five The Water Section</u></b>	<b><u>Section Six Ending Comments</u></b>
<b><u>Toxic Metals And Their Effects In The Body</u></b>	<b><u>The Role Of Free Radicals In Causing Disease</u></b>	<b><u>New Health Revelation</u></b>
<b><u>Ultimate Resource On Chelation Therapy</u></b>		<b><u>Technical Data On Heart Disease and Bypass Surgery</u></b>
<b><u>Table Of Contents In Each Of Three Different Sections:</u></b>		
<b><u>TOC for Data References</u></b>	<b><u>TOC for The Book Itself</u></b>	<b><u>TOC For Karl Loren Articles</u></b>
<b><u>Go To The Vibrant Life Home Page Where Oral Chelation Vitamins Are Described And Sold</u></b>		

<b><u>The Links Below Jump To Pages On Whatever Web You Are In</u></b>		
<b><u>Table Of Contents</u></b>	<b><u>Search This Web</u></b>	<b><u>Navigation Help Page</u></b>
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