

Homoeopathy: A Science or Placebo?

Dr. Sahni's Homoeopathy Clinic & Research Center Pvt. Ltd

Introduction

Homoeopathy continues to be used by practitioners throughout the world and its acceptance by the masses attests to its effectiveness. A treatment based solely on the placebo effect could not enjoy such popularity for so many years if there were not something to it. Many different studies have been published examining the efficacy of homoeopathy in treating various medical conditions. But most conventional medical practitioners remain unconvinced of its value because some studies on homoeopathy's therapeutic benefits show a positive healing outcome whereas other studies do not. In other words, there is as yet no general agreement by orthodox medical practitioners as to whether homoeopathy works at all. Whenever there have been strongly positive studies showing a beneficial effect of homoeopathy, tremendous controversy has been the ultimate result. Assuming that one believes at least some of the studies showing a significant effect of high dilutions on people and cellular preparations, there must be some explanation for homoeopathy's physiological and healing effects.

The reason homoeopathy remains so controversial is that the dilutional principle underlying it appears to fly in the face of the established logic of Newtonian physics that forms the basis for conventional drug therapy. In order to understand this seeming contradiction, we need first to examine the kind of therapeutic logic behind drug dosing used by orthodox medical practitioners when prescribing conventional types of medications. In conventional medicine, drugs are prescribed for patients in very specific dosage amounts that have been shown to produce positive therapeutic effects in human beings with a minimum of side effects (in theory, of course). Many of today's newer drugs are often designed using computer modeling techniques allowing pharmaceutical companies to create medicines that will interact in very specific ways with particular chemical receptors on the surfaces of cells throughout the body. For instance, in the treatment of Hypertension, typical blood-pressure medications used are referred to as beta blockers, alpha blockers, calcium-channel blockers, and the like because they block the activation of certain types of cellular receptors that regulate functions related to blood-pressure control. These cellular receptors are like tiny switches designed to turn on or off certain aspects of normal cellular functioning. Receptor-specific drugs are created to bind to particular cellular receptor switches with two main kinds of effects. Either the binding drug is highly active and enhances the cellular function normally turned on by the activated receptor, or else the receptor-bound drug blocks the receptor from being activated by naturally occurring chemicals.

Hypertension and other illnesses are amenable to treatment using receptor-specific medications. But let's use asthma to further describe receptor-specific medicine. The illness of asthma is frequently treated with a drug known as theophylline. Theophylline, a drug very similar to caffeine, binds to a specific cell receptor in the muscle cells surrounding the tiny bronchial airways of the lung. During a typical asthma attack, the muscles in the bronchial airways constrict, causing wheezing and shortness of breath due to a decrease in airflow through the lungs and a resulting drop in vital blood-oxygen levels. The administration of theophylline by pill or intravenous solution relieves asthma attacks because theophylline binds to a cell receptor on the bronchial muscles of the lungs, causing the constricted muscles to relax and allow better airflow through the lungs. Typically, theophylline dosages are calculated for each patient based upon age and body weight, in order to provide an optimal therapeutic drug level while avoiding toxic side effects caused by too much of the drug. Theophylline is a perfect example of a drug with a typical linear dose response. That is, the higher the amount of drug given, the more cell receptors are activated by the drug molecules binding to those receptors. If too little of the drug is given, too few receptors are activated and very little bronchodilation occurs, resulting in minimal improvement in the asthma attack.

When conventionally trained physicians try to apply this same drug logic to understanding the therapeutic use of homoeopathy, much confusion and controversy arises. If, in homoeopathy, the more dilute solutions of medicines are more potent, it would seem to go against the common sense of linear dose responses. That is, physicians are taught

Introduction

that the higher the drug dosage a patient is given, the more receptor molecules in the body become bound to the drug and the stronger the drug's effect.

Conversely, the weaker a dose of medicine given, the fewer the number of drug-bound receptors and the smaller the drug's physiological effect upon the patient. Flying in the face of this linear, analytical reasoning is the thinking of homoeopathic practitioners, who consider high potency homoeopathic remedies to be more powerful in their effects than low-potency remedies. The paradox here is that the higher-potency homoeopathic remedies are less likely to contain any drug molecules of the original medicinal substance than low potency remedies, yet they are considered more powerful in their effects upon the patient. How can such a contradictory phenomenon make any sense? If, as homeopaths contend, high dilutions really potentize the effects of a medicinal remedy, then where does the healing effect come from? There are a number of different theories as to how a homoeopathic solution or remedy containing almost no drug molecules could possibly trigger a healing response within the body.

The key to understanding homoeopathy is that it is primarily a nonphysical or energetic healing modality. The action of a homoeopathic remedy does not occur through the same physiological pathways activated by the administrations of conventional medications. According to new perspective of Einsteinian and quantum physics, the biochemical molecules that make up the physical body are actually a form of vibrating energy. Albert Einstein came to the startling conclusion that matter and energy were actually inter convertible and interchangeable. His famous $E = mc^2$ mathematically described how matter and energy were interrelated. Einstein said matter and energy were, in fact, two different forms of the same thing. At this time Einstein came up with this conclusion, few scientists could entirely understand its magnitude. But it was this very realization of matters inters convertibility in to energy that led to the development of the first atomic bomb, in which few grams of uranium were converted directly in to energy, providing Einstein's theory in a most unforgettable demonstration. With the example of Atomic Bomb, more scientists came to believe in Einstein's assertion that matter and energy were two expressions of the same thing. In variety of experiments in particle physics, in which scientists hurl speeding subatomic particles at targets in atom smashers to study the tiny fragments making up the structure of matter, additional evidence has been gathered confirming that all matter is really a form of frozen energy. If this is so, then all the atoms and subatomic particles making up human body are also a kind of frozen energy as well. This means people can be considered complex energy bundles of frozen energy!

The concept of the body as a complex energetic system is part of a new scientific worldview gradually gaining acceptance in the eyes of modern medicine. The older, yet prevailing, view of the human body is still based upon an antiquated model of human functioning that sees the body as a sophisticated machine. In this old worldview, the heart is merely a mechanical pump, the kidney a filter of blood, and the muscles and skeleton a mechanical framework of pulleys and levers. The old worldview is based upon Newtonian physics, or so-called billiard ball mechanics. In the days of Sir Isaac Newton, scientists thought they had figured out all the really important laws of the universe. They had discovered laws describing the motion of bodies in space and their momentum, as well as their actions at rest and in motion. The Newtonian scientists viewed the universe itself as a gigantic machine, somewhat like a great clock. It followed, then, that the human body was probably a machine as well. Many scientists in Newton's day actually thought that all the great discoveries of science had already been made and that little work was left to be done in the field of scientific exploration.

The Clash of the Paradigms...

The Newtonian Mechanists Versus the Quantum Mechanics

As science grew more sophisticated, so did the nature of the bio-machine we were thought to be. That is, as our technologies became more powerful with the dis-covery of the optical and electron microscopes, the parts and gears of the human machine were studied at smaller and smaller levels. While early European physi-cians could analyze the human body only in terms of dissection of organs at the time of autopsy, today's medical researchers have the tools to study our physical makeup at the cellular and molecular levels. Modern medicine's current Newtonian biomechanistic viewpoint suggests that if we could only understand how all the different tiny parts fit together in the human body, we could develop bet-ter ways of fixing and repairing the body in the event of illness. This mechanical approach to fixing the body is nowhere more evident than in the field of surgery. Surgeons are the ultimate bio-mechanics.

The Clash of the Paradigms...

Orthopedic surgeons work with unique surgical "carpentry tools," which include drills, saws, screwdrivers, and screws that allow them to replace arthritic joints with better, synthetic joints of metal, Teflon, and plastic. Vascular surgeons work to cut out clogged arteries and replace them with newer synthetic Dacron grafts to restore adequate blood flow to the oxygen-starved limbs of individuals with vascular disease. Ophthalmologic surgeons remove lenses clouded by cataracts, only to attach artificial intraocular lens implants in their place. Cardiovascular surgeons work on the delicate human heart itself, replacing narrowed or leaky heart valves with synthetic ones. In addition, cardiac surgeons routinely stitch in place synthetic grafts or transplanted blood vessels from the legs to allow blood flow around blockages in the heart's main arteries. And general surgeons routinely cut out tumors from the various organs of the body in order to treat cancer.

While these surgical approaches do indeed provide a very sophisticated "fix" they do not fully explore the reasons behind "why" diseases occur in the first place. That area of study has been relegated to medical researchers known as molecular biologists, who study the body's most minute parts—the structural molecules, the enzymes, and even the genetic structures that compose and direct the function of the body at the cellular level. The thinking is that if we only knew which enzyme was defective or which gene was abnormal, we could invent a molecular solution that would circumvent the disease process and thus "cure all illness." There have actually been many medical break-throughs resulting from this line of scientific inquiry. Greater knowledge of the structure of human insulin and the genetics of its manufacture ultimately led to the development of genetically engineered human insulin. This insulin is made by simple bacteria with a genetic structure that has been altered by the insertion of the human insulin gene into the genetic code of the bacteria (so-called gene splicing technologies). As a result of this manipulation, the bacteria become tiny human-insulin-producing factories. Many diabetics owe their quality of life to this new insulin, which tends to produce much less "insulin resistance" than the older types derived from cows and pigs.

The study of molecular biology has certainly advanced our understanding of the physical causes of many types of diseases. Information acquired from studies in molecular biology has also helped medical researchers and drug companies to develop new drugs that work at very specific sites in the body. For example, molecular biologists have discovered that most of the chemicals and hormones in the body act at specialized binding sites known as "cellular receptors." These receptors, embedded in the outer and inner walls of most cells of the body, function as chemically triggered switches that turn on or off specific chemical reactions and metabolic pathways in each cell. Each cellular receptor is like a kind of switch connected to a lock-and-key mechanism, similar to the ignition system for a car. Only the binding of a specific chemical to the receptor will trigger the molecular switch, just as a car will start only if the correct key is inserted into its ignition. By creating drugs that either trigger these receptor switches or else block the cells' receptors from being triggered by the naturally occurring body chemical, pharmaceutical companies have developed many new drugs for the treatment of hypertension, diabetes, asthma, and heart disease. Recent work in the field of immunology has resulted in the creation of antibodies against specific tumors in the body. Cancer researchers, by hooking up a toxic chemotherapy molecule to a tumor-specific antibody molecule, are beginning to develop drugs that will deliver toxic chemicals selectively to cancer cells without causing major side effects in the other tissues of the body.

In theory, the molecular-biology model suggests that physicians could treat all human illness if only they knew the specific molecular causes of diseases. This, of course, assumes that all human illness has a purely physical, molecular basis. While sophisticated in its approach, the molecular-biology model is still based upon the "old world" Newtonian viewpoint of the body as a bio-machine. Even if one assumes that a particular disease is caused by, say, a particular infectious microbe, this mechanistic view of illness does not fully explain why some people exposed to the bug will get violently ill while others may develop only cold like symptoms or no illness at all. The old-world Newtonian model assumes that if you know all of the pieces of the machine, then you can fix it or build a new one (i.e., the whole must equal the sum of its parts). In reality, however, we are very far from creating living organisms as complex as human beings from scratch. There is more to the human equation than perfectly functioning bio-molecules. The old world, Newtonian model of medicine lacks an appreciation of seemingly intangible things such as emotion, consciousness, and the energy and life force of soul and spirit. Although most modern physicians have begun to appreciate some of the emotional contributions to illness, the majority of today's doctors deal with such issues primarily by prescribing antidepressants and anti anxiety drugs or by referring patients to psychiatrists for additional drug treatment and psychotherapy.

The Clash of the Paradigms...

Although many pioneering medical researchers in the field of psychomatic medicine have sought to study the physiological links between the brain and the body during various emotional and stressful states, few fully appreciate the bigger picture of human beings as dynamic energy systems of body, mind, and spirit.

Homoeopathy implies a particular way of applying drugs to diseases according to a specific principle, known as "Similia Similibus Curentur" (let likes be treated by likes); and implies as well the theories of vital force, of chronic miasms and of dynamisation of drugs.

Homoeopathy has been defined by many in various ways. One of the most learned definition of Homoeopathy has been presented by Dr. W. E. Boyd, "Homoeopathy is a therapeutic method which assumes that a deviation from the fundamental mean within reversible limits can be restored to normal by means of stimuli, usually applied in the form of drugs, only sub-physiological doses of which are necessary because of hypersensitivity in disease and whose action is always directed toward normal by virtue of altered receptivity of tissue to stimuli in disease.

Only the correct selection of a particular homoeopathic remedy will produce any effect upon the patient at all. Because homoeopathic remedies are so extremely dilute, there are no side effects experienced from taking an "incorrect" remedy; there is merely no side effect at all. If the correct remedy is selected and the illness is healed, it may be because the homoeopathic remedy is providing a form of subtle energy to the body in the exact frequency of vital energy needed to bring about a healing of the specific illness. The homoeopathic preparation process of progressive dilution and potentization is able to "extract" the higher vibrational qualities or vital life energy patterns from the herb's plant substance directly into the water. As the dilutions (and potencies) of the remedies become higher and higher, with fewer and fewer physical molecules of plant actually left in solution, homoeopathic remedies become less physical in nature and more ethereal and subtly energetic in their actions. In fact, homeopathic remedies may work primarily by energetically healing illness at the level of the etheric body, which then goes on to rebalance the physical body.

Another theory of how homoeopathy works also has to do with the remedies providing a kind of subtle vibrational energy, but the mechanism is conceptually different. According to the resonance theory of homoeopathy, merely providing the frequency of energy needed by the body is all that's required to heal using homoeopathy. But what if the "something" being exchanged between the remedy and the patient is not strictly energy to revitalize the system but is actually a form of coded energetic biological information or "bio-information" that may provide instructions to the body to help in the healing process? The "bio-informational theory" of homoeopathy views the body not just as a biological energy network but also as a complex information processing system, a kind of bio-computer that uses coded information to regulate its many component subsystems. Most people think about information processing in the human body in terms of electrical impulses rapidly moving throughout the nerve cells of the brain. People also picture the impulses traveling along nerve pathways connecting the brain and bodily systems. Nerve cells transmit a form of electrical bio-information that communicates messages between the brain and body. These bioelectrical nerve signals help us to think, to move about, to express ourselves creatively, and yet simultaneously regulate the organs, muscles, and bodily systems that help keep us alive. Our bloodstream also carries other types of coded bio-informational signals in the form of hormones, peptides, and other bio-chemicals that carry chemical messages back and forth between the brain and the organs and glands of the body.

Over the past twenty to thirty years, scientists have discovered that the bio-logical information used to regulate the activity of the body's various systems exists in the form of physical codes, such as the bio-molecules of hormones and neurotransmitters, but also in the form of energetic codes. These energetic codes of information may trigger the same cellular reactions that the molecular codes of information activate. As an example, the cells of our bones normally communicate with one another by both chemical and electrical signals. In recent years, orthopedic surgeons have begun to use electromagnetic treatment devices known as "bone stimulators" to accelerate the repair of especially difficult bone fractures that can't heal normally. The orthopedic bone stimulator energetically stimulates new bone growth and bone repair by transmitting healing messages carried in the code of pulsed electromagnetic (EM) fields tuned to a very specific frequency. For bone healing to work, researchers discovered, the frequency of the EM fields used to radiate the fracture site had to be so precise that a slight variation in frequency would change the message carried to the bones from "lay down new strengthening calcium matrix" to "reabsorb calcium from the bones to weaken the bone structure."

The Clash of the Paradigms...

In other words, any slight deviation in the coded energy message would not only fail to heal the broken bone but would actually weaken and aggravate the situation. In the case of bone stimulators, the body accepts a coded electromagnetic signal, in place of a normal biochemical or electrical signal, by using pure energetic bio-information to instruct the bone tissue to activate the healing process. This is a wonderful example of how an information carrying signal can exist not only as a chemical or hormonal signal but also as a vibrational message coded in the form of an electromagnetic field tuned to a specific frequency.

Now, how does this phenomenon of coded energetic information apply to understanding homoeopathy? In the example of the bone stimulator and its ability to send energetic informational signals to accelerate healing in bone tissue, the healing bio-informational message is interpreted by the body just the same as if it were receiving the normal chemical and hormonal signals. It is a case illustrating how the body can input and use different kinds of bio-informational languages to trigger the same cellular healing reactions. Whether that signal is transmitted in chemical, electrical, or electromagnetic forms of coding seems to make no difference to the body. The end result appears to be the same. In the case of homoeopathy, potentized homoeopathic remedies may be carrying a kind of subtle energetic bio-informational message that may stimulate certain aspects of the physical (and spiritual) body's energetic healing systems.

The drug cimetidine, more commonly known as Tagamet, is a medication used to treat stomach-acid problems. The mechanism behind the action of Tagamet is that it works as a kind of specialized antihistamine. When taken orally, Tagamet binds to histamine receptors in the stomach designed to normally trigger the release of stomach acid. By blocking the stomach's histamine receptors, Tagamet decreases the production of acid, thus relieving heartburn and a variety of other gastric disorders. Tagamet also binds to histamine receptors on special cells in the bloodstream known as basophils. Basophils are rich in histamine granules, and they release their load of histamine into the circulation when an allergic person comes in contact with ragweed pollen, dust, grass, or other typical allergy-producing substances. Allergic people frequently use antihistamines to relieve allergy symptoms. Antihistamines block the cellular release of histamine, the biochemical that produces most of the allergic symptoms of watery, itchy eyes, sneezing, and the like. One of the ways allergic reactions can be simulated outside the body is by drawing an allergic person's blood, extracting the basophils into a special preparation, and observing those basophils under the microscope as various solutions of allergens are added to the slide. If the individual's cells are allergic to a certain substance, the irritant will trigger the release of histamine granules. If, however, the basophils were pretreated with a histamine blocker such as Tagamet prior to the allergen's being added, no histamine granules would be released by the offending allergen.

The basophil-stimulation test was used to study the effects of homeopathic dilutions in a rather controversial study published in the prestigious scientific journal *Nature* in the late eighties. Preparations of harvested basophils were observed under the microscope while conventional strength preparations and homoeopathic dilutions of allergens were added to the basophils. When high molecular concentrations of allergens were added to the basophils, they easily released their load of histamine granules. But when progressively higher homoeopathic dilutions of the same allergens were next added to slide preparations of basophils, the results were just as effective in causing histamine release. Researchers in several different international labs found that even ultrahigh homoeopathic allergen dilutions, containing fewer than one or two molecules of allergen, were able to trigger histamine release similar to the high concentration allergen solutions. One of the implications of this experiment is that progressively higher dilutions of the allergen, nearly devoid of any allergen molecules, must still carry the "memory" of the allergen in the water. The fact that ultra high dilutions could produce observable cellular changes seems to be a validation of the homoeopathic effect. This memory effect of water suggests that some change in the very structure of the water molecules produced by the progressive dilution process seems to give the "treated" water an ability to influence cells, even in the absence of any original allergen molecules in the solution.

While the results of this controversial experiment continue to be debated, there was one interesting finding that never made it into the final published article. In a variation on the high dilution experiment, one of the researchers tried pretreating the basophil preparations with the histamine-blocking drug Tagamet prior to allergen exposure. High concentrations of Tagamet, as well as homoeopathic dilutions of Tagamet, were used. The results demonstrated that homoeopathically prepared Tagamet blocked the release of histamine granules as effectively as high doses of the actual drug did.

The Clash of the Paradigms...

Even though the high homeopathic dilutions were unlikely to contain more than a few molecules of Tagamet, a similar reaction occurred. This unpublished finding suggests that the bio-informational message carried by the physical drug molecule could also be transmitted by a homoeopathic dilution of the same pharmaceutical substance. In other words, the same message could be transmitted to cells of the body using two different forms of symbolic bio-informational language.

We know that concentrated Tagamet binds to histamine receptors on the surfaces of basophils, thus blocking the release of histamine in response to allergen exposure. But when using homoeopathic dilutions of Tagamet to pre treat basophils, there are no physical Tagamet molecules present to bind to those cellular receptors. If this is a real phenomenon, how do the high dilutions of Tagamet achieve this feat? It may be that some other form of coded message—a non-molecular message, perhaps a vibrational-energy pattern of the Tagamet imprinted into the water affects the basophils. The homoeopathic Tagamet may be sending the same instructional message to the basophils' histamine receptors. And even in an energetically coded form, the cells still recognize the Tagamet's "informational message" and react accordingly. There is a distinct similarity between the homoeopathic Tagamet example and the case of the orthopedic bone stimulator used to accelerate the healing of bone fractures. In both cases the cells of the body are recognizing molecular and energetic bio-informational messages as if they were interchangeable. The key to the homeopathic effect may be the body's ability to recognize bio-informational messages in the form of subtle-energy signals carried by potentized homoeopathic dilutions. The homoeopathic messages seem to carry specific types of stimulating instructions to the body that trigger various energetic and molecular aspects of the healing response.

The Newtonian mechanistic viewpoint of life is only an approximation of reality. Pharmacologic and surgical approaches are incomplete because they ignore the vital forces which animate and breathe life into the bio-machinery of living systems. In a machine, the underlying principle is that the function of the whole can be predicted by the sum of its parts. However humans, unlike machines, are more than the summation of a pile of combined chemicals. All organisms are dependent upon a subtle vital force which creates synergism via a unique structural organization of molecular components. Because of this synergism, the living whole is greater than the sum of its parts. The vital force creates order in living systems and constantly rebuilds and renews its cellular vehicle of expression. When the life-force leaves the body at death, the physical mechanism is slowly degraded into a disorganized collection of chemicals. This is one of the unique principles which distinguish living from nonliving systems, and people from machines.

This animating life-force is an energy which is currently unaddressed by today's Newtonian mechanistic thinkers, whose opinions predominate orthodox medicine. These subtle forces are not dealt with nor discussed by physicians because there are no currently acceptable scientific models which explain their existence and function. Science's current inability to deal with the vital forces animating the human frame is partly due to the conflict between Eastern and Western belief systems that occurred many ages ago. This difference in worldviews is actually a deeper sign of the schism between religion and science that took place thousands of years ago. The application of the Newtonian model to explain the workings of the human body was a reflection of scientists' attempts to take human function out of the realm of the divine and into the mechanistic world that they could understand and manipulate. The mechanization of the human body represented a further movement away from religious explanations of the mystical forces that moved humans through life and, just as mysteriously, into sickness and death.

Present day medical views are deeply entrenched within a Newtonian worldview which is hundreds of years old. The Newtonian model had been important in assisting mechanical and theoretical advancements in the era of the Industrial Revolution. However, this model was eventually found to be plagued with many shortcomings as physicists gained more experience with the phenomena of electricity and magnetism. The Newtonian world view similarly lacks an adequate explanation for the role of the vital forces in living systems. Although vitalism was popular at one time in medicine's past, overconfidence with technology and science has tossed aside such philosophies in favor of mechanistic models of organic life.

The Newtonian view is based upon early models of mechanistic behavior that were derived from observation of nature. Acceleration and gravity were analyzed by Newton from his observations of a falling apple. He applied mathematics to his observations and deduced various laws of motion which described what he had seen. These early Newtonian laws enabled scientists to make predictions on the way mechanical systems would behave. For its time, the Newtonian model was quite advanced. Through his development of calculus, Newton gave scientists a tool for

The Clash of the Paradigms...

probing the observable universe. This led to new directions in scientific discovery and enabled the creation of many inventions which have since benefited humanity. But Newton's laws dealt primarily with the force of gravity as it acted upon moving bodies in the Earth's gravitational field. His models were unable to explain the behavior of electricity and magnetism in later years. Eventually, new models of the universe had to be invented to accommodate these curious energetic phenomena.

Scientists are again beginning to discover forces that do not fit into the conventional Newtonian model of reality. Although not acknowledged as such by orthodox scientists, the energies of the life force are being studied by various researchers who recognize their vital importance to living systems. Unfortunately, the majority of biological researchers and physicians are still working from a Newtonian model of living systems in which the human body is seen as a cellular mechanism. Researchers do not yet recognize the primary role of vital life energies that animate the body. Although medicine has increased its sophistication by focusing on cellular interactions at the molecular level, physiologic models are based strictly upon the behavior of dense physical matter. These models exclude the contributions of bio-energetic fields which influence cellular patterns of growth and physical expression.

There is a new breed of physician/healer that is evolving today who seeks to understand the functioning of human beings from the revolutionary view of matter as energy. These spiritual scientists look to the human body as an instructional model by which we can begin to understand, not only ourselves, but also the inner workings of nature and the secrets of the universe. By realizing that humans are beings of energy, one can begin to comprehend new ways of viewing health and illness. This new Einsteinian viewpoint will not only give future doctors a unique perspective on the causes of disease, but also more effective ways by which human beings can be healed of their suffering.

Instead of conventional drug and surgical approaches, homoeopathic medicine attempts to treat people with pure energy. This theoretical perspective is based upon the understanding that the molecular arrangement of the physical body is actually a complex network of interwoven energy fields. The energetic network, which represents the physical/cellular framework, is organized and nourished by "subtle" energetic systems which coordinate the life force with the body. There is a hierarchy of subtle energetic systems that coordinate electro-physiologic and hormonal function as well as cellular structure within the physical body. It is primarily from these subtle levels that health and illness originate. These unique energy systems are powerfully affected by our emotions and level of spiritual balance as well as by nutritional and environmental factors. These subtle energies influence cellular patterns of growth in both positive and negative directions.

Conventional medical wisdom is misguided by the notion that one can cure all illness by physically repairing or eliminating abnormal cellular systems. Through drugs and surgery, doctors try to reroute dysfunctional components, such as atheromatous arteries, much as a high tech plumber might try to fix a clogged drain. They use chemicals to increase blood flow past cholesterol blockages, and when that fails, they use a balloon plunger or even a laser beam to blast away the dysfunctional debris. More commonly, a new pipe is carefully stitched in place to bypass the old clogged artery. The key to treating such recurring conditions of disease may not lie in simple, "quick-fix" physical solutions, but in the realm of repatterning the organizing energy fields which direct the cellular expression of dysfunction.

There is an aspect of human physiology that physicians have not yet understood and only reluctantly acknowledge. This dimension of human physiology is the domain of Spirit as it relates to the physical body. The spiritual dimension is the energetic basis of all life, because it is the energy of spirit which animates the physical framework. The unseen connection between the physical body and the subtle forces of spirit holds the key to understanding the inner relationship between matter and energy. When scientists begin to comprehend the true relationship between matter and energy, they will come closer to understanding the relationship between humanity and God.

The evolving field of science which will bring humankind to this new level of understanding is homoeopathic medicine. Homoeopathic medicine attempts to heal illness and transform human consciousness by working with the energetic patterns that guide the physical expression of life. We will eventually discover that consciousness itself is a kind of energy that is integrally related to the cellular expression of the physical body. As such, consciousness participates in the continuous creation of either health or illness. Homoeopathic medicine, as the science of the

The Clash of the Paradigms...

future, may contain clues which will help doctors solve the mystery of why some people remain healthy while others are continually in a state of disease.

When physicians come to better understand the deeper interrelationship between body, mind, and spirit, and the natural laws guiding their manifestation upon our planet, then there will be a truly holistic medicine. We are indeed a microcosm within a macrocosm, as oriental philosophers have long understood. The principles seen within the microcosm often reflect larger principles governing the behavior of the macrocosm. Patterns of order within nature repeat themselves on many hierarchical levels. If one can make sense of universal laws as they are expressed in matter at the micro level, then it becomes easier to make sense of the cosmic whole. When humans truly understand the physical and energetic structures of their minds and bodies, they will be that much closer to comprehending the nature of the universe and the forces of creation which link them with God.

The Marvels of Laser Light-Holography as a New Model of Reality

To understand Einsteinian medicine, we can use a working knowledge of light or, more specifically, laser light. Laser light, as applied in laser beams and holography, is a very special type of light known as coherent light. Coherent light is extremely orderly, with all of its waves moving in step like soldiers marching in a parade. Laser light has had numerous applications in science, medicine, and industry. Video discs, fiber optic tele-communication, and laser eye surgery are now common applications of coherent laser light. The study of pictures produced by using laser light to illuminate subject matter is called holography. The hologram is a special three-dimensional picture created by energy interference patterns. Holograms also demonstrate a unique principle in nature which shows that every piece can contain the essence of the whole. The hologram provides us with a new and unique model which may help science to understand the energetic structure of the universe as well as the multidimensional nature of human beings.

A hologram is made by sending a single laser beam through an optical device known as a beam splitter in order to create two laser beams which originate from the same source. One of the beams designated the "reference beam," passes through a diffusing lens that spreads it from orderly pencil-thin rays into a flashlight-like beacon.

This beam is directed by mirrors to fall upon an unexposed photographic plate. Meanwhile, the second beam, referred to as the "working beam," undergoes an initial fate similar to that of the reference beam by passing through a second diffusing lens. The difference between the two beams is that light from the working beam is used to illuminate the object being photographed. The light from the working beam bounces off the object, and then falls upon the photographic plate.

What happens at the photographic plate is the basis for both holography and a new way of understanding the universe. When the pure unaffected reference beam meets with the reflected light of the working beam, an interference pattern is created. This interference pattern is produced by the waves of one beam mixing and interacting with the waves of the other beam.

It is the interference pattern created by laser light and captured on the photographic film that produces the phenomenon which we call a hologram. It is quite unlike any photograph taken using ordinary or incoherent light.

An interference pattern is a phenomenon for which there are many simple examples in nature. One example is the interference pattern created by simultaneously dropping two stones into a quiet pool of water. Each stone creates a series of ever expanding circular waves traveling outward from their respective centers. As the two groups of circular wave fronts meet, they interact and form an interference pattern.

This pattern is similar, in principle, to the interference pattern created by the mixing of the laser beams in front of the photographic plate. The photographic emulsion captures the interference pattern, and the hologram is born. What is remarkable about this piece of film is that by shining a pure beam of laser light similar to the reference beam through the hologram, one is able to view in three dimensions the object recorded by the working (reflected) beam. In effect, by supplying a reference beam, the hologram recreates the working beam as recorded within the interference pattern on the film. The working beam, which was the light which interacted with the object being photographed, holds within its altered waves a record of its interaction with the object.

The Marvels of Laser Light-Holography as a New Model of Reality

Holograms are truly three-dimensional. Certain holograms permit one to walk all the way around the projected image and see it from above and below as if the image were real. The other remarkable property of holograms is that one can cut away a small piece of the holographic film, hold it up to laser light, and still see an entire, intact, three-dimensional image of the photographed object.

Diagram 1 illustrates the creation of a holographic picture of an apple. This hologram, when viewed under the illumination of incoherent light, such as the light from an incandescent light bulb, reveals no apple. The observer sees only a smoky haze, the result of the laser-produced interference pattern. If the holographic film is viewed with illumination from a source of coherent laser light, it reproduces the reference beam that helped to create the original interference pattern, and the apple is revealed with all its three-dimensional characteristics. If a small piece of that holographic apple film is now cut away and examined under the illumination of laser light, a smaller, yet intact, whole apple can be seen.

The reason for this is the fact that *the hologram is an energy interference pattern (Diagram 2)*. Within this pattern, every piece contains the whole. That is, one could take a hologram of an apple, cut the film into fifty pieces, and each piece when viewed through laser light would reveal its own miniature apple (Diagram 3).

The holographic model sets a precedent for new ways of understanding Einsteinian medicine and provides a totally new way of looking at the universe. Utilizing the holographic model, it is possible to arrive at conclusions one might not come upon by utilizing simple deductive reasoning and logic.

Fifty tiny apples from fifty pieces of a single apple photograph is far from what one would predict utilizing assumptions of a Newtonian universe. How then does one apply holographic theory to understanding phenomena in nature? The simplest place to begin is with the human body itself.

At a highly symbolic level, the holographic principle that "every piece contains the whole" can be seen in the cellular structure of all living bodies. Scientific discoveries in the world of cellular biology have demonstrated that every cell contains a copy of the master DNA blueprint, with enough information to make an entire human body from scratch. This realization is the basis for experiments in cloning living cells. To create a duplicate of a lower life-form, such as a frog, cloning techniques are employed in which the DNA material from a fertilized frog's egg is removed and exchanged for the DNA material from an adult frog's intestinal cell. Because the instructions within each body cell contain the same library of information found in every other cell, it is possible to produce a completely identical frog without utilizing sexual reproduction. This is a kind of technologic virgin birth.

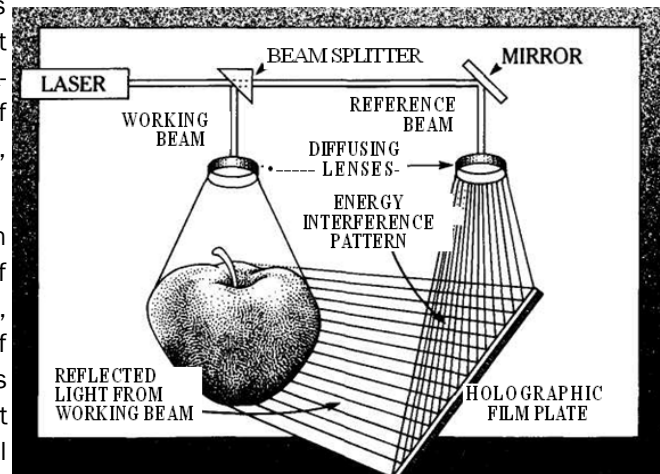


Diagram 1: CREATION OF A HOLOGRAM

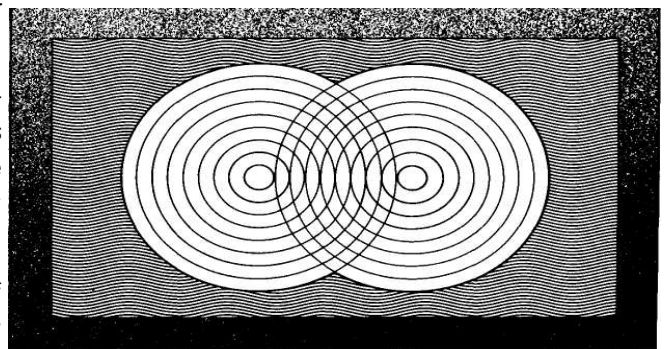
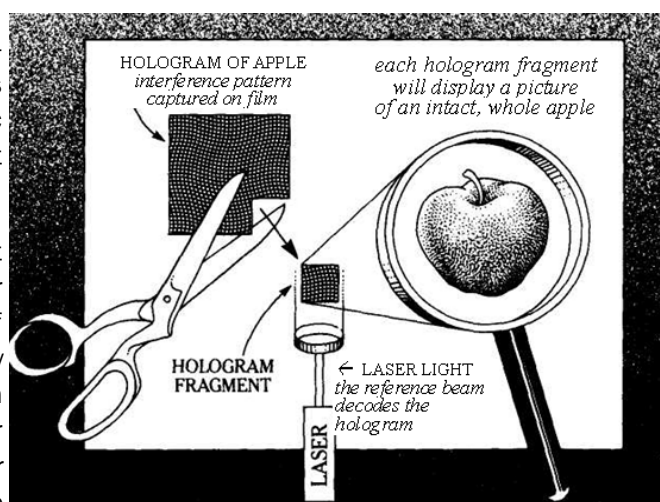


Diagram 2: INTERFERENCE PATTERN CREATED BY DROPPING TWO STONES INTO WATER



"As Above, So Below": The Holographic Principle in Nature

Diagram 3: THE HOLOGRAPHIC PRINCIPLE: EACH PIECE CONTAINS THE WHOLE

The Marvels of Laser Light-Holography as a New Model of Reality

The potential of the genetic blueprint is expressed in an appropriately supportive environment such as a fertilized egg. The fact that every cell within the human body contains the information to create an entire duplicate body mirrors the holographic principle whereby every piece contains the information of the whole.

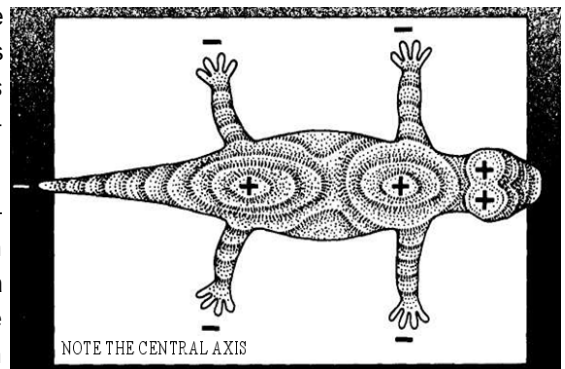
The holographic principle may also be of value in understanding the bio-energetic fields associated with the physico-chemical structure of the human body. Science has come far in its understanding of the natural growth, development, and repair of living systems. Much of this understanding is an outgrowth of our sophisticated deciphering of the genetic code within the nucleus of the living cell. The nucleus is clearly a control center for the complex processes and interactions taking place within and between cells. Our understanding of the DNA containing chromosomes within the nucleus has furthered our knowledge of such phenomena as cellular replication, growth, and the differentiation of primitive embryonic cells into specialized cells that carry out specific functions within the body. However, our knowledge of DNA has been inadequate thus far to explain how differentiated cells in the developing human fetus find their way to the appropriate spatial locations where they will carry out their specialized functions.

The Scientific Evidence: A Search for the Etheric Body

The earliest evidence to support the existence of a holographic energy body is the work of neuron-anatomist Harold S. Burr at Yale University during the 1940s. Burr was studying the shape of energy fields around living plants and animals. Some of Burr's work involved the shape of electrical fields surrounding salamanders. He found that the salamanders possessed an energy field roughly shaped like the adult animal. He also discovered that this field contained an electrical axis which was aligned with the brain and spinal cord.

Burr wanted to find precisely when this electrical axis first originated in the animal's development. He began mapping the fields in progressively earlier stages of salamander embryogenesis. Burr discovered that the electrical axis originated in the unfertilized egg. This discovery contradicted the conventional biological and genetic theory of his day.

Burr theorized that the electrical axis aligned with the nervous system of the adult salamander was synonymous with the axis present in the unfertilized egg. His research to support this theory involved a "tagging" procedure. Since amphibians like the salamander produce very large eggs, it was possible to use direct visual observation through a bio-microscope to label the electrical axis of the unfertilized salamander egg. Burr injected tiny droplets of a dark indelible ink into the axial region of the egg utilizing a micropipette technique. He discovered that the dark ink always became incorporated into the brain and spinal cord of the developing salamander.



**SURFACE ELECTRICAL POTENTIAL OF A
SALAMANDER**

Burr also experimented with the electrical fields around tiny seedlings. According to his research, the electrical field around a sprout was not the shape of the original seed. Instead the surrounding electrical field resembled the adult plant. Burr's data suggested that any developing organism was destined to follow a prescribed growth template and that such a template was generated by the organism's individual electromagnetic field.

Contemporary research has lent further credence to Burr's theories of bio-energetic growth fields. There is also increasing evidence supporting the holographic nature of these bio-energy fields which comes from experimental work in the area of electrographic photography. Electrography, or Kirlian photography, is a technique whereby living objects are photographed in the presence of a high frequency, high voltage, low amperage electrical field. This technique was largely pioneered by the Russian researcher Semyon Kirlian from whom the process has acquired its name. Kirlian's first research began in the early 1940s at about the same time Burr was measuring electromagnetic fields around living objects.

The Scientific Evidence: A Search for the Etheric Body

Both scientists developed experimental techniques that were capable of measuring changes in the energy fields of living systems. Burr's approach utilized conventional voltmeters and revealed data in the form of micro voltage levels. Kirlian studied the same electrical fields of the body, but his electrographic techniques translated Burr's electrical measurements into the visual characteristics of an electrical corona. Burr and Kirlian found that diseases like cancer caused significant changes in the electromagnetic fields of living organisms. Burr had made this revelation by studying superficial skin measurements taken with his voltmeter. Kirlian recorded corona discharge images of the body to confirm the disease associated energy field changes. Since Kirlian first developed his novel approach to studying the bodies of plants and animals through the use of electro photography, numerous other investigators, have confirmed the diagnostic potential inherent in electrographic recording techniques.

Electro photography (in its most basic form) is based upon observations of a phenomenon known as the corona discharge. Electrically grounded objects in high-frequency electrical fields characteristically demonstrate spark discharges between the object and the electrode generating the field. The term "corona discharge" arises from the observation of discharge patterns around circular objects, where the spark pattern along the edge of the object resembles the outer corona of the sun during an eclipse. When a piece of photographic film is interposed between the object and the electrode, the spark discharge is captured on the recording emulsion.

The corona is the result of electron discharge trails that represent millions of electrons streaming from the object to the photographic plate upon which an object rests. Depending upon the type of film used and the energetic characteristics of the electrical field generator, beautiful colors and spark patterns are observed in the electrographic image in what has been described as the "Kirlian aura."

There are numerous biophysical factors such as temperature, moisture, local microenvironment, pressure, etc. which can physically affect the final discharge. In spite of the many variables which can affect the picture, numerous investigators have succeeded in obtaining relevant biological information from the appearance of the electrical coronas photographed around human fingertips. Corona discharge patterns of human fingertips reveal significant diagnostic information pertaining to the presence of cancer, cystic fibrosis and other diseases in the body of the individual whose finger is photographed.

Even more interesting than fingertips are the beautiful discharge patterns photographed around various types of leaves. A unique phenomenon recorded by electro photography, which is especially relevant to our discussion of bio-energetic growth templates, is the "Phantom Leaf Effect." This effect can be observed when the upper third of a leaf is cut off and destroyed. The remaining leaf fragment is then photographed by the electrographic process. Examination of the amputated leaf electro photograph reveals a picture of an intact, whole leaf. The amputated portion still appears in the photo of the leaf even though the missing leaf fragment has been physically destroyed.

Various physical explanations for the phantom have been invoked by skeptical scientists. Critics suggested that the phantom effect resulted from leaf moisture on the photographic plates. Keith Wagner, a researcher at California State University, seems to have refuted this skepticism. Elegant electrographic studies by Wagner demonstrated that the phantom portion of the leaf could still be photographed through a clear lucite block which had been placed where the phantom was to appear. The ghost-like phantom appeared consistently, even though moisture could not pass through the plastic barrier.

Clues from the Phantom Leaf: The Etheric Body as a Hologram

The implication of the Phantom Leaf Effect is that some type of organized energy field is interacting with the electrons of the corona discharge of the remaining leaf in the area of the phantom. This interaction registers as an orderly discharge pattern. The discharge pattern retains the spatial integrity and organization of the missing leaf portion. Allen Detrick has performed phantom leaf experiments in which both sides of the phantom have been captured by photographing the amputated leaf on either side. This would be equivalent to slicing off the upper fingers of a hand and taking electrographs of the front and back of the hand. One electrograph would show phantom fingerprints, whereas the other electrograph would demonstrate phantom fingernails. The three-dimensional spatial and organizational properties of such a biological energy field would seem to be holographic in nature. Even more convincing evidence to support this idea has come from recent developments in electrographic recording techniques. Studies by Dumitrescu in Rumania, utilizing a scanning technique based on the electrographic process, added a new twist to the Phantom Leaf Effect. Dumitrescu cut a circular hole in a leaf and then photographed the leaf with his electrographic equipment. The image revealed was that of a tiny intact leaf with a smaller hole in it (see Diagram 5). The smaller leaf appeared inside the area where the circular portion of the leaf had been cut away. Dumitrescu's phenomenon resembles the holographic photo of the apple that was discussed earlier. When a fragment of the apple hologram was removed and held up to laser light, a small intact apple was revealed. This is exactly what happened in Dumitrescu's experiment! A leaf appeared within a leaf! Dumitrescu's results with the Phantom Leaf Effect would seem to confirm the holographic nature of the organizing energy field that surrounds all living systems.

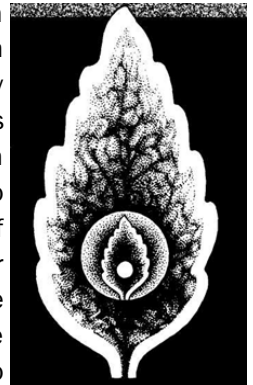


Diagram 5: PHANTOM LEAF PHENOMENON

adapted from a photo
by

In metaphysical literature, this energy field that surrounds and penetrates living systems is referred to as the "etheric body." It is said that the etheric body is one of many bodies contributing to the final expression of the human form. The etheric body, in all likelihood, is an energy interference pattern similar to a hologram.

I. Dumitrescu

There is speculation that the application of the holographic model can be extended even further. Perhaps the universe itself is a gigantic "cosmic hologram." *That is to say, the universe is a tremendous energy interference pattern.* By virtue of its likely holographic characteristics, every piece of the universe not only contains but also contributes to the information of the whole. The cosmic hologram is less like a holographic still photo frozen in time than it is like a holographic videotape dynamically changing from moment to moment. Let us examine the theoretical evidence for such a holographic universe.

Matter as Frozen Light & Its Implications for Medicine

There is an esoteric statement that says "as above, so below." One level of meaning to this phrase is that things on a microscopic level seem to parallel or mirror events on a macroscopic level. A further interpretation is that as we come to understand ourselves more fully (below), we may come to better understand the universe around us (above).

Let us examine the world from the perspective of a single cell. The DNA within the nucleus encodes the structural-physical expression of the cell's activity. But the DNA is only an information manual containing instructions that still must be acted upon by some intermediate actors in the cellular scheme of things. Those actors in the cellular scenario are the enzymes, the protein-bodied workers that carry out the many, everyday bio-chemical tasks. The enzymes catalyze specific reactions of chemicals either to create structure through molecular assemblies or to provide the electro-chemical fire to run the cellular engines and ultimately keep the entire system working efficiently. Enzymes are actually composed of proteins, which are themselves collections of amino acids strung together in linear array like colored beads on a thread. The various positive and negative charges on the amino acids, by virtue of electrostatic attraction and repulsion, cause the string of beads to "self-assemble" into a functional three-dimensional structure.

Matter as Frozen Light & Its Implications for Medicine

At the center of this structure is found the "active site" (or business end) of this macromolecule where the chemical reactions are catalyzed. The DNA molecule encodes and assigns the sequential arrangement of the various "colored" amino acids for each type of protein in its genetic structural memory.

We now know that molecules are aggregations of yet tinier particles called atoms. Only within the last century has Western technology evolved to the point of being able to answer the question, "What are atoms?" It has now become common knowledge that atoms are further reducible to even smaller particles called electrons, neutrons, and protons. All matter is composed of infinitely different arrangements of atomic and subatomic particles, such as electrons. But what exactly **is** an electron?

This question has caused feverish debate within the scientific community for nearly a century. Answering this fundamental question is a pivotal point in the understanding of the atom and, indeed, the structure of the universe. It is also a turning point in the evolution of our understanding of physics and the unique concept of "complementarity." Complementarity is the concept which suggests that the world is no longer only black and white but is made up of various shades of grey. It is a concept which accepts the peaceful coexistence of two seemingly different, or even opposite, properties existing simultaneously within the same object. Nowhere does complementarity find greater application and confusion than in the description of the properties of electrons.

In the early twentieth century, scientists noted that in certain experiments electrons appeared to behave as tiny billiard balls. They would career off each other in collisions, similar to balls colliding on a pool table. To the mechanistic thinking of the Newtonian physicists, this was a predictable pattern of particle behavior. The confusion began to set in when other experiments demonstrated properties suggesting that electrons behaved more like waves of light. The famous example of the electron's odd, wave-like behavior is the "double-slit experiment." The results of this experiment demonstrated that a single electron appeared to pass through two holes simultaneously. This feat was quite unprecedented for the tiny billiard ball which the electron was supposed to represent. Yet other tests showed that if one aimed two beams of electrons at each other, they did indeed bounce off each other like tiny billiard balls. Waves, but not particles, can pass through two windows simultaneously. So what then are electrons, which can seemingly do both? It appears that electrons display the complementary behaviors of both waves and particles simultaneously. Two mutually exclusive properties of energy and matter coexist within a single electron. This is the true essence of the principle of complementarity. The electron is neither pure particle nor pure energy. It displays elements of both. Some physicists have resolved the dilemma by conceptualizing electrons to be "wave-packets."

The wave/particle duality of subatomic particles like electrons is a reflection of the energy-matter relationship first elaborated upon by Albert Einstein with his famous $E = mc^2$ in the early 1900's. Matter and energy are now known to be interchangeable and interconvertible. *This means that one cannot only convert matter into energy, but it should be possible to convert energy into matter.* Although physicists have not yet accomplished this feat artificially in their laboratories, this event has actually been observed and captured in the photographic records of cloud chambers in experimental nuclear facilities.

A cosmic raya highly energetic photon of light....when passing in the vicinity of a heavy atomic nucleus, leaves its imprint on film as it spontaneously becomes a particle/antiparticle pair. The photon changes form to become two mirror image particles. Literally, energy becomes matter. This is the reverse of what happens when matter and antimatter meet and annihilate each other, releasing tremendous amounts of energy. This interconversion of light into matter and vice-versa would seem curious behavior, rather like apples becoming oranges and then changing back to apples. But are we really seeing the interconversion of two wholly different substances? Is it possible that we are observing an event more analogous to the change of state of some primary universal substance (i.e., solid ice vaporized into steam, or liquid condensed steam [water] frozen back into ice)? This interpretation gives new "light" to the wave/particle nature of particles like electrons.

Consider the example of the high-energy photon becoming two particles (see Diagram 6). At the point of conversion from energy to matter, the photon (a quantum of electromagnetic energy or light) slows down to become a particle. In doing so it attains some of the properties attributable to solids (i.e., mass) and yet still retains some of its wave-like properties. These wave-like properties are hidden except in certain experiments where beams of electrons are treated like beams of photons, as in an electron microscope.

News from the World of Particle Physics: Matter as Frozen Light & Its Implications for Medicine

In a simplistic sense, a packet of light has been slowed down and frozen. This particle of frozen light might be viewed as a miniature energy interference pattern or a microcosmic energy field occupying an infinitesimal space. And so we see how the macroscopic illusion of solidity melts away when one delves into the subatomic world of particle physics. Add to this realization the fact that the atom is made up mostly of empty space. The minute particles that do fill this void are, in fact, frozen packets of light. When viewed from the micro-cosmic level, *all matter is frozen light!*

Matter is composed of highly complex, infinitely orchestrated energy fields. The combinations are governed by various "laws of nature" which physics has sought to discover. The term "fields within fields" has been appropriately applied to this theoretical model. If we apply this to living systems, the cellular matrix of the physical body can be seen as a complex energetic interference pattern interpenetrated by the organizing bio-energetic field of the etheric body. It is also the departure point from conventional "Newtonian" medical approaches" to what I call the "Einsteinian" paradigm of healing: the practical application of this clearer understanding of matter to human illness. Homoeopathic medicine is a systems approach based upon the Einsteinian paradigm of healing.

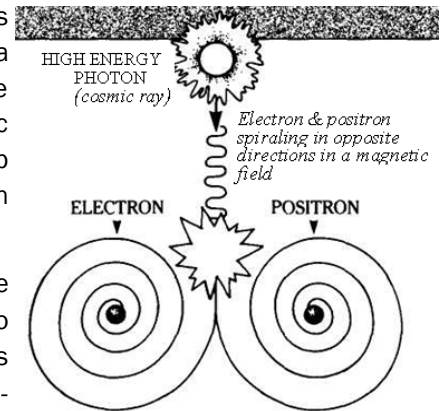


Diagram 6. BIRTH OF MATTER FROM

Homoeopathic medicine attempts to interface with primary subtle energetic fields that underlie and contribute to the functional expression of the physical body. Whereas the Newtonian pharmacokinetic approach deals primarily with molecular interactions such as enzymes and receptors, this new energetic model will allow doctors to conceptualize systems of healing that work at a more primary, subtle energetic level.

Hahnemann Perspective...

Hahnemann's discovery is essentially a practical method, an organon, an instrument for achieving, in the best possible manner, a desired specific purpose viz., that of curing the sick people. Hahnemann in following aphorisms of Organon of Medicine stated about the Health, Disease & Cure:

Aphorism 9: "In the Healthy condition of man, the spiritual Vital Force, the dynamis that animates the material body, in admirable harmonious, vital operation, as regards both sensations and functions, so that our indwelling, reason gifted mind can freely employ this living, healthy instrument for the higher purposes of our existence".

Aphorism 10: "The material, organism, without the Vital Force, is capable of no sensation, no function, no self presentation; it derives all sensation and performs all the functions of Life solely by means of the immaterial being (the vital force) which animates the material organism in health and in disease."

Aphorism 11: "When a person falls ill, it is only this spiritual, self acting (automatic) Vital Force, everywhere present in this organism, that is primarily deranged by dynamic influence upon it of a morbid agent inimical to life; it is only the vital force, deranged to such an abnormal state, that can furnish the organism with its disagreeable sensations and incline to the irregular processes which we call Disease; for, as power invisible in itself, and only cognizable by its effects on the organism. Its morbid derangement only makes itself known manifestations of Disease in the sensations and functions of those parts of the organism exposed to the senses of the observer and physician, that is, by morbid symptoms, and in no other way can make itself known".

Aphorism 12: "It is the morbidly affected Vital Force alone that produces Disease, so that the morbid phenomena perceptible to our senses express at the same time all the internal change that is to say, the whole morbid derangement of the internal dynamis; in a word, they reveal the whole Disease; consequently, also, the disappearance under treatment of all the morbid phenomena and of all the morbid alterations that differ from the healthy vital operations, certainly affects and necessarily implies the restoration of the integrity of the Vital Force and, therefore, the recovered Health of the whole organism".

Hahnemann Perspective...

Hahnemann had reasoned that homoeopathic remedies worked by creating an artificial illness (similar to the one he wished to treat) within the body in order to stimulate the natural defenses. A purely physical extrapolation of this technique underlies the process of immunization, whereby trace amounts of a virus or viral component are given to an individual to stimulate their Immunity against a particular illness. Instead of causing a physical cellular reaction as in the case of immunization, homeopathic remedies may act by inducing a vibrational mode of illness. How can this vibrational mode cause a sick person to move from a state of illness to wellness? To comprehend the rationale behind this type of energetic therapy (Homoeopathy), we must explore the concepts of illness and wellness from principles gleaned about the energetic structure (Vital Force) of the human body.

As you will recall, the physical body is associated with a holographic energy template known as the "etheric" body. This energetic matrix contains structural data that encodes information about the morphology and function of the organism. Our etheric template is a growth pattern that directs cellular processes from a higher energetic level.

Abnormal structuring in the etheric template eventually leads to disruptive changes at the cellular level of the physical body. Therefore, physical illness may begin first at the etheric level before physical cellular changes have even started. Impaired host resistance to infections, and cancer, may be partially due to subtle energetic weakness of the system at the etheric and higher levels.

Based upon this assumption, a truly preventative medicine would be based upon analysis of dysfunctional changes in the etheric body before they became crystallized as physical illness. Medicine will only assume this direction when science has developed acceptable diagnostic tools that will allow doctors to accurately observe and characterize changes in the etheric body. Kirlian photography and its derivatives may yet express this futuristic diagnostic potential in medicine. Since diseases of the physical body begin at the etheric level, might not also therapy begin at that level too? It may be possible to treat physical illness by correcting abnormal etheric patterns. Because it is composed of matter, the physical body has both particle and wave-like properties. The light-like properties of matter confer unique frequency characteristics to our physical and etheric bodies. For the sake of simplicity, let us assume that an individual's physical body, when healthy, resonates with one dominant energetic frequency or vibration.

As an example, let us assign a frequency of 300 Hz (cycles per second) to Mr. X. When Mr. X is sick, it is reasonable to assume that his energetic homeostatic mechanisms will try to return his system to normal if at all possible. Assuming that Mr. X has been infected with a dose of pathogenic bacteria, he may exhibit fever and chills. Over the years, doctors have had mixed opinions as to the positive or negative significance of symptoms such as fevers. At one time, fevers were felt to be beneficial in allowing the patient to discharge the toxicities of illness in a type of healing crisis. (Some misguided doctors have even given malaria to individuals with other illnesses in hopes of inducing a febrile healing crisis!) Later, fevers were felt to be bad for the system, and drugs such as aspirin were given to take away the fever.

From a purely cellular/physiologic standpoint, it now appears that fevers can be good for an individual with a bacterial illness. It has been shown that the white blood cells, our immunologic defenders, eat and destroy bacteria more efficiently at higher body temperatures. (White blood cells have recently been found to release a substance called "leukocyte pyrogen" which induces high fevers.) The point of this discussion about fevers is that such symptoms may be produced by the body as an adaptive strategy toward returning the system to a state of homeostatic balance and health.

From an energetic standpoint, one might consider that an individual such as Mr. X, afflicted with his "cold," would be resonating at a different frequency than the one to which he is normally attuned (300 Hz). Let us assume that the frequency Mr. X "vibrates at" when trying to throw off his cold is 475 Hz. If he were able to produce more energy at the 475 Hz level, he might be able to throw off his illness more quickly and return to good health.

Hahnemann, with his homeopathic reasoning, assumed that the remedies were producing an illness similar to the one that the body was trying to throw off. He tried to empirically match the symptoms produced by a remedy's proving with the illness he was attempting to treat. Is it possible that when a healthy individual is given a particular homoeopathic remedy, the proving (or symptoms exhibited) is caused by an induction of the individual's energy field to resonate at the dominant frequency of the plant substance used to prepare the remedy? According to this rationale, each species of plant should have its own particular energy signature. This energetic signature may be complex, formed by a multiplexing of various frequencies.

Hahnemann Perspective...

Different parts of the plant, such as the bark of a tree, may have different energetic signatures than either its roots, leaves, or flowers. In giving homeopathic preparations of the plant, the physical drug properties of the herb are removed, leaving the subtle energy qualities that are absorbed into the water to predominate.

What Hahnemann may have actually been doing is empirically matching the frequency of the plant extract with the frequency of the illness. He did this by matching the physical and emotional symptoms of the patient's illness with known symptoms produced by the remedy. Physical observation of the patient was, after all, the only diagnostic maneuver available to doctors in Hahnemann's time, prior to the advent of modern blood counts and multiphasic screening profiles. Matching the total symptom pattern of the patient with the complex of symptoms produced by a particular remedy was an ingenious method, albeit unknown to Hahnemann, of energetic frequency matching. Using the Law of Similars, Hahnemann was able to give the patient a dose of the needed subtle energy in the exact frequency band needed. That is why in classical homeopathy one cannot mix different remedies to treat many different symptoms. The remedy that best expresses the patient's unique symptom complex will be curative. Comparison of the patient's symptom complex with a remedy's symptom complex allows the homoeopathic physician to make an empirical frequency match that will neutralize the illness.

Homoeopathic energy theory suggests that humans are somewhat like the electrons of an atom. Electrons within an atom occupy energy shells or spatial domains which are known as orbitals. Each orbital possesses certain frequency and energetic characteristics depending upon the type and molecular weight of the atom. In order to excite or move an electron into the next highest orbital, one needs to deliver to it energy of a specific frequency. Only a quantum of the exact energetic requirements will cause the electron to jump to a higher orbital. This is also known as the principle of resonance, in which tuned oscillators will only accept energy in a narrow frequency band. Through the process of resonance, energy of the proper frequency will excite the electron to move to a higher level or energy state in its orbit around the nucleus.

Human beings may be similar to electrons in that their energetic sub-components occupy different vibrational modes, which we might call health orbits and disease orbits. For the human being whose energetic systems are in an orbit of disease, only subtle energy of the proper frequency will be accepted to shift the body into a new orbit or steady-state of health.

Homeopathic remedies are able to deliver that needed quantum of subtle energy to the human system through a type of resonance induction. This ethereal energy injection moves the system from the sickness vibrational mode to the orbit of health.

Homoeopathy's energetic frequency boost is the probable reason behind the initial exacerbation of symptoms seen by physicians when the proper remedy is given. (This so-called "healing crisis" usually occurs prior to complete resolution of the illness.) Patients are given a frequency-specific dose of subtle energy that will help their bodies to resonate in the needed mode in order to return their systems to a state of health or wellness. The healing vibrational mode, enhanced by the remedy, causes the exaggerated symptoms of the illness which are experienced by the patient during the healing crisis. Homeopathy uses the diverse frequency spectrum of nature to discharge the toxicities of illness. This method allows order and equilibrium to be restored to the human energetic system. From the frequency specific viewpoint of homeopathy, it has been stated that "there exist the treatments for ALL of our ills within Nature."

This also brings up an interesting point alluded to earlier discussion when we referred to the conflicts between homeopathic and allopathic Medicine. It was Hahnemann who originally coined the terms allopathy and homeopathy. As we have seen, homoeopathy, from the Greek meaning "like treatment of disease", is based upon the Law of Similars, whereby an individual is given a treatment that produces symptoms "similar" to the illness. Allopathy, from the Greek "allos" meaning "other" treatment of disease, refers to giving remedies not based upon the homoeopathic rationale. Allopathy, although truly meaning "systems of healing other than homeopathy," has come to be synonymous with drug-oriented "establishment medicine".

From a simplistic perspective, let us examine the difference between the allopathic and homeopathic treatment of the common cold. Because colds are frequently associated with fevers, coughs, and runny noses, an allopathic physician would prescribe a fever reducing antipyretic (such as aspirin), a decongestant (such as Actifed), and a cough suppressant (such as a codeine-containing syrup). Of course, each of these modern remedies are, in fact, combinations of many individual drugs in a single mixture. The homeopathic physician, on the other hand, would prescribe a single agent: in this case *Allium cepa* (latin for "red onion").

Hahnemann Perspective...

Proving of Allium cepa have indicated that, in healthy individuals, it produces a dry cough, watery eyes, sneezing, runny nose, and other familiar cold related symptoms. However, if Allium cepa is given to an individual who already has those cold symptoms, the patient experiences an almost immediate relief and abatement of the cold.

One sees obvious differences between the multiple-drug approach or "polypharmacy" of contemporary allopathic medicine, and the succinct single agent treatments of homeopathy. Homeopathy aims to match the correct single remedy with the totality of the patient. This includes not only physical, but emotional and mental symptoms as well. This allows for the closest "vibrational match" between illness and cure. Because of its attention to disturbances of both mind and body, homeopathy could be considered one of the first truly holistic approaches in medicine. This example of the treatment of the common cold highlights the philosophical differences between giving multiple drugs that work at the cellular level and single vibrational agents that work at a subtle energetic level.

From the perspective of the physical and etheric body, it is not entirely clear at what level the homeopathic remedy has its initial or primary effect. Certain sources of information suggest that homeopathic remedies are somewhat "physical" in their direct energetic effects upon the molecular structure of the physical body. It is possible that Kirlian and other electro-graphic techniques may eventually prove useful in studying the effects of homeopathic remedies on the etheric and physical bodies.

Homeopathic remedies represent an alternative evolutionary pathway in the application of medicinal plant therapies. Where pharmacologists chose to isolate single, active molecular agents from herbs, homeopaths worked with the vibrational essence of the whole plant substance. The homeopathic preparation process liberates from the plants the subtle energetic qualities to charge water, from which they are then transferred to milk sugar tablets for individualized dosage. Thus homeopathic remedies differ from pharmacologic agents in that they are "etherialized" medicines. The gross molecular nature of the physical plant has been separated from its subtle energetic or ethereal qualities using the intermediate storage medium of water. This is why the higher the dilution the more potent the homeopathic remedy. The higher the homeopathic potency the lower the molecular content and, thus, the more ethereal the characteristics of the remedy.

Utilizing the principle of potentization via dilution and succussion, one can make homeopathic remedies from nearly any substance, either organic or inorganic. The subtle energy absorption properties of water make it possible to extract specific vibrational qualities that may be used to coat milk sugar tablets for later administration to patients. Many remedies in use by homeopathic physicians are actually derived from inorganic substances. Each remedy contains the specific vibrational qualities of the primary material in a potentized form for homeopathic treatment. The Law of Similars is used by physicians to match the patient's complaints with a remedy producing the same symptoms. In this manner, the homeopathic physician is able to empirically obtain the best vibrational frequency match between patient and cure. Only the correct frequency match will be effective in homeopathy. By supplying the proper frequency of subtle energy, the homeopathic remedy causes the energetic systems of the body to resonate in the correct vibrational mode. When the body is thus energetically activated, it is assisted in discharging the toxicity of illness.

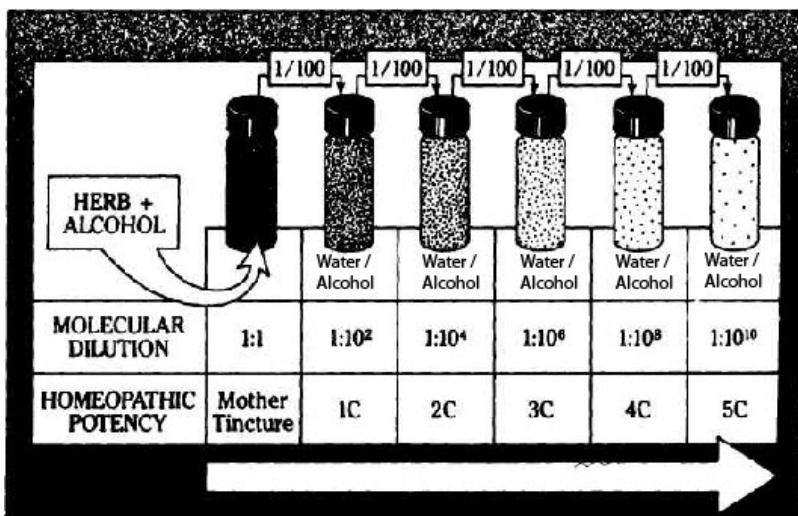
Homeopathic remedies usually come from denser inorganic material, while flower essences have a much higher concentration of the life force. Homeopathic remedies often vibrationally duplicate the physical disease in a person to push that imbalance out of the body. Homeopathy integrates into the subtle bodies but still functions upon the vibrational level of the molecular structure.

How Homoeopathy Works?

To understand how homeopathy works, one must first analyze certain aspects of homoeopathic theory and practice. It will also be necessary to reassess our current model(s) of illness and wellness. The best place to start is with the preparation of homoeopathic remedies.

The remedies are usually prepared by taking the primary plant (or other substance) and soaking it in alcohol. A drop of this tincture is removed and added to either 10 or 100 parts of water. (Dilutions using a 1:10 ratio are referred to in potencies of "X". Those using the ratio of 1:100 are called "C." The container of water and tincture is shaken forcefully in a process known as "succussion."

Preparation of Homoeopathic Remedies



Increasing Potency of Homoeopathic Remedies

One drop of this dilution is removed and added to 10 or 100 parts of water/alcohol (again depending on the system of concentration one is utilizing). The same ratio of dilution is always utilized. The mixture is again succussed and the process of dilution repeated again and again. This technique is referred to as "potentization." The reasoning behind the terminology is that homoeopathic medicines which are increasingly dilute are considered more potent in their curative powers. Homoeopathic remedies that are prepared in this fashion are said to be "potentized."

A solution that has been diluted 10 times using the 1:10 ratio is called 10X. A similar solution diluted 10 times using the 1:100 ratio is called 10C. The resulting liquid is added to a bottle of sac lac (or milk sugar) tablets for administration to patients.

If one is using the 1:100 dilution method, then, after 12 series of dilutions, the homoeopathic pharmacist arrives at a mixture with a concentration approximating 10^{-24} . Since the number of atoms in a mole (the molecular weight of a chemical substance in grams) is approximately 6×10^{23} , this means that the 12th dilution (or 12C potency) is unlikely to have even a single atom of the original substance present. Most homoeopathic remedies go from the 10th to the 50 thousandth dilution (from 10X or 10C to 50 M, in homoeopathic vernacular) utilizing the aforementioned potentization process. Homoeopathic practitioners find that the higher the dilution, the more potent the remedy. In other words, a 100X potency is felt to be stronger than a 10X potency remedy. Paradoxically, the higher the homoeopathic potency, the less likely one is to find even a single molecule of the original substance. (This point aggravates drug-oriented thinkers to no end, for how can one atom of drug have any significant physiologic effects on the human body?)

Hahnemann in Aphorism 209 stated "The homoeopathic system of medicine develops, for its special use, to a hitherto unheard of degree, the inner medicinal powers of the crude substances by means of a process peculiar to it and which has hitherto never been tried, whereby only they all become immeasurably and penetratingly efficacious and remedial."

How Homoeopathy Works?

What Hahnemann had discovered is that there lies hidden in every substance in nature some inner life. We can mobilize and use this "force", if we know how to process the substance correctly.

Let us examine the process of homeopathic remedy preparation from what we have just extrapolated about the subtle-energy properties of water. We know that water is able to extract and store certain types of subtle energies which have measurable effects on living systems. Dr. Grad's studies with healer-treated water showed this quite elegantly. In the process of homeopathic potentization, the progressive dilution removes molecular elements of the physical plant and leaves only the subtle energetic qualities of the plant within the water. The active part of the remedy is, in fact, not even physical, as our mathematical argument has demonstrated. Homeopathic remedies are subtle-energy medicines which contain the energetic frequency or "vibrational signature" of the plant from which they have been prepared.

There is evidence that highly dilute homeopathic dilutions have biological activity. This is evident from the experimental model that is cheapest, most reproducible and also the most easily researched is probably the "acetylcholine-induced contraction of the rat ileum". It is a well recognized scientific model (Chang FY, Lee SD, et al. Rat gastrointestinal motor responses mediated via activation of neurokinin receptors. *J.Gastroenterol Hepatol* 1999; 14: 39-45). This model has been devised for the verification of very high dilutions of Belladonna by A. Cristea, a Romanian researcher; results have already been published (Bastide M (ed). *Signals and Images*. Kluwer Academic Publishers 1997: 161-170).

Professor Wolfgang Süß, Institute of Pharmacy at the University of Leipzig, has used this model to test the transfer of the activity of a homeopathic remedy (in this case Atropinum sulphuricum D60) from the original liquid form to the homeopathic tablet. As usual, several controls were performed. Alpha-lactose monohydrate tablets impregnated with the highly diluted Atropinum had systematically efficacy, on the contrary with anhydrous alpha-lactose tablets no effect can be ascertained. Thus, the quality of homeopathic tablets can be tested before daily use in pharmacy (constant reproducibility). This very simple model therefore has the potential to remove doubts about the activity of very highly diluted homeopathic remedies (Schmidt F, Süß WG, Nieber K. In-vitro Testung von homöopathischen Verdünnungen. *Biol.Med./Heft 1/February* 2004;32-37).

Professors Marcel Roberfroid and Jean Cumps of the Institute of Pharmacy at the University of Louvain, who respectively coordinated the European multi-centre (4 centres) trial and performed the statistical analysis, explained the protocols and discussed the results. The work demonstrates a significant inhibition of human basophil degranulation, as measured by alcian blue staining, by high dilutions of histamine (10⁻³⁰ – 10⁻³⁸ M). This multi-centre research has subsequently been confirmed in three laboratories by applying flow cytometry analysis and in one laboratory by measuring histamine release. Even if, at present, the molecular theory cannot explain these findings, the facts remain indisputable as recognized by the editor of *Inflammation Research*. (Belon P, Cumps J, Ennis M, Mannaioni PF, Roberfroid M, Sainte-Laudy J, Wiegant FAC. Histamine dilutions modulate basophil activation. *Inflamm. Res.* 2004; 53: 181-188.) This model is different from the Benveniste model; he used the same control but not the same activator.

Research on high dilutions has existed since the 1950s, but the number and quality of publications has increased in the last decade. Reviews and meta-analyses have even been performed but often ignored or even denied (see COST B4 supplement report EUR 19110 ISBN 92-828-7434-6). This research is not encouraged and even deemed inadvisable by academic authorities.

Professor Jean Cambar, Dean of the Faculty of Pharmacy at the University of Bordeaux, described the most important models that have been published previously in international journals, confirming the effects of very highly diluted homeopathic preparations. The efficacy of very high homeopathic dilutions of human or animal natural molecules (also called endogen molecules) has been published several times in prestigious journals. Examples include the following: *Int J Immunotherapy* 1987; 3: 191-200 (Thymulin in mice. Bastide M); *Int J Immunopharm* 1990; 6: 211-214 (alpha/beta interferon, Carriere V); *J Vet Human Toxicol* 1995; 37(3): 259-260 (Thyroxine, Endler PC); *Int J Immunopathol Pharmacol* 1996; 9: 43-51 (Bursin, Youbicier-Simo BL). During this meeting Dimitris Zienkiewicz, immunologist at the University of Edinburgh, presented preliminary findings assessing, by immunosorbent assay and flow cytometry, the alteration in activation and function of dendritic cells that comes about as a result of their treatment with homeopathic dilutions of a bacterium. Dendritic cells play an instrumental role in both activation and regulation of the immune system. Systematic changes in the profile of cytokines IL-10, IL-11 and IL-12

How Homoeopathy Works?

cannot be explained by the molecular theory. Efficacy of very high homoeopathic dilutions using pharmacological models has also been published in peer-reviewed journals. Examples include the following: Thrombosis. Res. 1994; 76: 225-229 (Acetylsalicylic acid in a vessel model. Doutremepuich C); Haemostasis 1990;20: 99-105 (Acetylsalicylic acid in healthy volunteers. Doutremepuich C); Thrombosis. Res.1987; 48: 501-504 (Acetylsalicylic acid in healthy volunteers, Doutremepuich C).

The longest-used model, published frequently all over the world, is the toxicological model (Arsenic, Phosphorus, Mercury, Cadmium, Cisplatina, Glutamate, Cuprum sulphate, etc). It can be applied to vegetable, animal, cell culture material or even clinical studies. This model is still used and indeed is the theme for collaboration between the Universities of Bern and Bologna, testing homoeopathic arsenic trioxide treatments by plant-based bioassays. The working variables are the germinated seeds or the stem length on the seventh day. At least 6 recent experiments by this team are published (Dr Lucietta Betti. DISTA-Department of Agro environmental Science and Technology, University of Bologna.).

Professor Jean Cambar introduced the theme by asking what are the contributions of the different spectroscopies (Raman, Ultraviolet, X-ray or Magnetic Nuclear Resonance) in revealing the structure of water and solvents in high dilutions? What is the real relevance of Avogadro's number in evaluating the precise pattern of molecules? Can a dilution work without any molecule? One of the most innovative perspectives in this last decade was the demonstration that high dilutions have as much activity and effectiveness in an organized structured solvent without any solute molecule as they do when molecules are present (even only some molecules).

Professor Louis Rey, Doctor of Sciences, Lausanne, a specialist in low temperature thermo-luminescence, has published on this topic in the international journals Nature (1988; 391: 418) and C.R.Physique (2000; 1: 107-110). He presented the latest results of the experiments he carried out together with Dr. Philippe Belon on the thermo-luminescence of ultra-high dilutions of lithium chloride and sodium chloride. Ultra-high dilutions of lithium chloride and sodium chloride (10-30 g cm⁻³) were irradiated by X- and gamma-rays at 77K, then progressively re-warmed to room temperature. During that phase, their thermo-luminescence was studied and it was found that, despite their dilution beyond the Avogadro number, the emitted light was specific of the original salts dissolved initially. Much to the authors' surprise, the experimental results showed, without ambiguity, the specificity of the contained information. The findings proved to be reproducible in the course of many different identical experiments. As a working hypothesis, the researchers propose that this phenomenon results from a marked structural change in the hydrogen bond network initiated at the onset by the presence of the dissolved ions and maintained in the course of the dilution process, and probably due to the successive vigorous mechanical stirrings. (Physica 2003; A323: 67-74).

Prof. Bastide explained that homoeopathy and research models are based on the observation of "symptoms". Asymptomatic pathologies exist that provoke "biological scars" as a proof of the self-treated organism without showing the illness symptoms (Charles Nicolle, Nobel Prize 1929, Life and Death of Illness). Symptoms and biological modifications are not the same and concern different levels in the body. The symptom may be an expression of the body when it cannot find any answer whatever the situation (infection, stress, strong emotion...).

What Hahnemann may have actually been doing is empirically match-ing the frequency of the plant extract with the frequency of the illness. He did this by matching the physical and emotional symptoms of the patient's illness with known symptoms produced by the remedy. Physical observa-tion of the patient was, after all, the only diagnostic maneuver available to doctors in Hahnemann's time, prior to the advent of modern blood counts and multi-phasic screening profiles. Matching the total symptom pattern of the patient with the complex of symptoms produced by a particular remedy was an ingenious method, albeit unknown to Hahnemann, of energetic frequency matching. Using the Law of Similars, Hahnemann was able to give the patient a dose of the needed subtle energy in the exact frequency band needed. That is why in classical homeopathy one cannot mix different remedies to treat many different symptoms. The remedy that best expresses the patient's unique symptom complex will be curative. Comparison of the patient's symptom complex with a remedy's symptom complex allows the homoeopathic physician to make an empirical frequency match that will neutralize the illness.

Homoeopathy's energetic frequency boost is the probable reason be-hind the initial exacerbation of symptoms seen by physicians when the proper remedy is given. (This so-called "healing crisis" usually occurs prior to complete resolution of the illness.) Patients are given a frequency-specific dose of subtle energy that will help their bodies to

How Homoeopathy Works?

resonate in the needed mode in order to return their systems to a state of health or wellness. The healing mode, enhanced by the remedy, causes the exaggerated symptoms of the illness which are experienced by the patient during the healing crisis. Homeopathy uses the diverse frequency spectrum of nature to discharge the toxicities of illness. This method allows order and equilibrium to be restored to the human energetic system. From the frequency specific viewpoint of homeopathy, it has been stated that "there exist the treatments for ALL of our ills within Nature."

In Veterinary Homoeopathy: Professor Leoni Bonamin, Paulista University (São Paulo) and president of G.I.R.I., reviewed studies in veterinary homoeopathy. Such studies are relevant for homoeopathy because it is easier to isolate the effects of the treatment: the placebo effect is almost nil and there are fewer ethical considerations. Moreover, studies in well-defined herds and features can include a very homogeneous sample from a large number of animals. Nevertheless, the rules for well-designed studies must still consider the particularities of homeopathic research as regards the Similia principle (considering idiosyncratic symptoms).

In recent studies, the use of homoeopathic complexes has been tested with very good results using parallel placebo groups, blinded design, homogeneity of samples with sufficient animals, and a protocol that is easy to manage in the farming context. Filliat C. Particularité de l'utilisation de l'homéopathie en production avicole. Annals of the "Entretiens Internationaux de Monaco 2002", 5-6 October 2002. The use of homoeopathic complex reduced the incidence of haematomas in turkeys during transportation by about 30%. Riaucourt A. L'Exemple de la Filière Porcine. Annals of the "Entretiens Internationaux de Monaco 2002", 5-6 October, 2002. The use of a complex (with endogenous and exogenous substances) to improve oestrus manifestation in female pigs induced a reduction of the repetitions of inseminations and semen loss. Veterinary studies are also useful for questioning homeopathic study design. Using the model of psychogenic dermatosis in dogs and cats (Torro, et al. In press), six months of treatment with the simillimum shows 70% success. One year after finishing the treatment there was no recurrence. The entire study duration is six years. The very long efficacy of the homoeopathic treatment is a reason for questioning cross-over design.

Research protocols in experimental animals. For example, the effects of nosode (isopathic homoeopathic remedy) versus allopathy and similar homoeopathic remedy using as model the experimental urinary infection of rats (Gonçalves et al. O uso da homeopatia no tratamento da infecção urinária em ratas. Anais do VIII SINAPIH; 20-22 May, 2004: p.25-26. This study compares nosode from individual or collective samples. It is a blinded study; the presence of E. coli in gall bladder of rats is evaluated after 12-16 days of treatment: Untreated control, 100% of bacteria colonies (no spontaneous healing), second control is the vehicle (alcohol 5%) 94%, comparison group treated with Antibiotic (levokinolone) 33%*, treated group with nosode from a pool of urines (30D) 73%*, treated group with a self-nosode (30D) 39%*, and treated with a similar homoeopathic remedy Phosphorus 30CH (the incorporation of rats in this group happens observing their individual behavior) 22%* (* Fisher test, p=0.05).

Evidence Based Medicine: (EBM) gives first priority to "Therapeutic Effects Testing" (TET), starting from the work of basic scientists in laboratories up to clinical researchers doing Randomized Clinical Trials (RCTs), and finally reviews or meta-analyses of several RCTs. The achieved level of TET determines the level of EBM for a medicinal product. "Clinical Use Testing" (CUT), starting with case reports, epidemiological outcomes and cost-benefit studies, is only interesting for public health authorities and patients but it is never sufficient to reach EBM.

Evidence Based Homoeopathy (EBH) starts and ends with the individualized patient. It can be represented as the arch of homoeopathy: at one side there is the examination of the patient, and at the other side the therapeutic instrument. In order to understand the patient, we must consider his totality in time and space to be able to understand his basic vulnerability, latent or manifest. This totality must be qualitatively modalized with chronological assessment to get the Minimal Syndrome of Maximal Value. The therapeutic instrument can be self-healing (no syndrome, no medication), or management of life-style or nutrition in order to avoid obstacles to cure. A homoeopathic remedy can be considered after study of its physico-chemical characteristics, its toxicology, its usual therapeutic use: this is the first step, the hypothesis. The second step is the probability by a first "proving" (blinded protocol) on healthy volunteers; third is the confirmation by further "provings"; fourth is the corroboration by physio-pathological study; and last is the clinical verification in daily practice. For the remedies we must have the same qualitative assessment as for the patients. But the keystone of the whole homoeopathic process, without which the arch will crumble, is the Law of Similars. Research in homoeopathy must be concentrated on qualitative "proving" on healthy volunteers and clinical verification in daily practice.

Conclusion

Homoeopathy is certainly popular through out the world and is historically successful, Homoeopathy remained effective in the face of adversaries and is growing despite (or because of?) modern medical technology.

Homoeopathy reduced costs and allowed a better improvement in work days lost compared with conventional practice. Homoeopathy is as effective as conventional therapies, but costs are lower and the safety of homoeopathy is greater. Homoeopathy is a science based on certain principles and not just placebo. One can not evoke placebo effect to explain every unscientific healing interaction. The placebo effect demonstrates hidden healing powers of the mind (dependent upon belief) that are vastly underrated by physicians.

Many Homoeopaths throughout the world has documented clinical cases where modern system of medicine either has no treatment or failed to treat them. Out of these few exceptional fully documented clinical cases which were successfully treated with Homoeopathic have been put in case section to prove that Homoeopathy is not just placebo but certainly a science based on certain principles which may not be explainable with the present scientific knowledge.

References...

- Vibrational Medicine: The Handbook of Subtle Energy Therapies by Dr. Richard Gerber, M.D.
- Organon of Medicine by Hahnemann
- ECH GENERAL ASSEMBLY – XVIII Symposium of GIRI, 12 to 14th of November 2004, Scientific Report
 - Evidence profile for the efficacy of homeopathy – A new paradigm for medical sciences: “The Body Information Theory”. (<http://www.vhan.nl/documents/ScientificReportECHNov04.pdf>)