

Chapter 5 - THE ORIGIN OF MATTER – Perception vs. Reality

Binding energy –proof for the Creator again?

There is another kind of energy that is even more subtle than meridians and acupuncture points. If you had presented the theory of DNA to scientists several hundred years ago when they still believed that leeches would suck all the sickness out of you, you will have a good idea of how most professionals untrained in this field react to what I am describing now. It is generally believed that subtle energy is much higher than the energy on the electromagnetic spectrum. Some cultures refer to this energy as “ether”, the substance which holds everything together. Reich describes it as orgone energy, the Hindus call it prana, the Chinese have called it chi, the Japanese call it ki and so forth. Those of you that understand computers know that you must have the hardware, which is the monitor and housing unit with the CD drive and hard drive, then you must have software and an operating system. The physical body is like the hardware, the electromagnetic spectrum dictates what will occur in the body, but the subtle energy field is like the operating system. You can’t see it, you don’t really use it directly, but without it, neither the software or the hardware would work. Subtle energy contains the information that governs the electromagnetic body, which ultimately dictates what happens on the physical realm of the tissues. Quantum physics has termed this energy Point 0. Science is not allowed to add God to the equation, but it is admitted that this subtle energy called Point 0 is what actually holds the universe together. It contains the information that governs all of reality. I know that there are many definitions of what or who God is, but it certainly seems to me that this phenomenon would be proof for something or someone who “Holds the universe in the Palm of His hand,” as the Bible says in Isaiah 45:12 and other locations. This binding energy easily explains how God can be omnipresent. This energy, whatever you choose to call it, is what “binds” or holds your molecules together.

The late Galen Hieronymus, who gave us the term eloptic, for this energy, has provided some of the most detailed descriptions and theory of subtle energy. He has suggested that eloptic energy may be “binding” energy; binding energy is associated with the nuclear force of atoms. In classical atomic theory, the nucleus of an atom is composed of a number of protons and neutrons, each of which has mass. It has been determined that when these particles are joined in the nucleus, some of the mass seems to disappear. For example, deuterium, an isotope of hydrogen, has one proton and one neutron in its nucleus. The mass of one proton and one neutron is calculated to be 2.016490 amu (atomic mass units). The mass of the deuterium nucleus however is only 2.014102; a mass deficit of .002388! Applying the familiar formula $E=MC^2$, the deficit is calculated to be equal to 2.224 MeV (million electron volts). This is the energy “binding” the nucleus together. If an energy equivalent to the binding energy is introduced into the system, the nucleus breaks down to its subatomic constituents, i.e. protons and neutrons. What Hieronymus suggests is that telepathic particles (thought energy) may manipulate binding energy, resulting in materialization or dematerialization of matter. Einstein put it in simple terms: “Mind over matter”. And there is more . . .

Bioholograms

In the 1971 publication *Languages of the Brain*, Pribram theorized that a neural hologram was made by wave interactions within the cerebral cortex of the brain. In 1973, Miller and Webb suggested that bioholograms were the projectors and projections of our material world. Bohm, in 1980, in *Wholeness and the Implicate Order*, declared that the brain appeared to operate as a hologram interpreting a holographic universe. In 2004, Horowitz explains, “In this dualistic holographic model, inseparable interconnectedness of holographs, including that of the Creator with the created, underlies human existence. It is rooted, they argue, in existential blueprint –DNA”.

A biohologram is explained as a “complex pattern of three-dimensional electromagnetic standing and moving wave fronts in the space that the organism occupies.” From a mathematical point of view, DNA in the nuclei of each cell in your body was miraculously manifested in sacred geometric fashion. Miller and Webb proposed that DNA “could be projecting a field that would be experienced by other DNA in the body.” The field is then bioholographically projected again. “The genetic wave information from DNA, recorded within the polarizations of connected photons, being quantum nonlocal, constitutes a broadband radio wave spectrum.” This is the main information channel of DNA. Miller and colleagues found that photons were being transmitted into radio waves through the genome. “We think that these wave fronts interact with, interpenetrate with, and interdetermine the physical substance that makes up the creature. According to the holographic model of reality, all the objects we can observe are three-dimensional images formed of standing and moving waves by electromagnetic and nuclear processes . . . i.e. holograms. Just like a hologram encodes a 3-D image, the biohologram encodes and projects the blueprint of the human being, as well as other biological systems.” They go on to say that “the nervous system constitutes a coordination mechanism that integrates DNA projections of the rest of the cells in the system. The brain and nerve network is first and foremost a coordination mechanism which aligns cellular holograms.” (Gariaev, et al, 2001; Miller, Miller and Webb, 2002)

Richard Alan Miller, Iona Miller, and Burt Webb discuss the subject of quantum bioholography further in *The Ionosphere* (www.geocities.com/iona_m). “Roughly speaking, DNA can be considered as a liquid crystal gel-like state that acts on the incoming light in the manner of a solitonic lattice. A soliton is an ultra stable wave train that arises in the context of nonlinear wave oscillation. The DNA reading process can be modeled as a complex mechanical oscillator capable of producing solitonic wave transmissions. DNA, modeled as a kind of rotary pendulum, can be simulated as a chain of nonlinear oscillators. Complex dynamic patterns arise when taking into account the nonlinear covalent connections between nucleotides. (Miller, Miller and Webb, 2002)

Emphasizing the importance of sound wave in the nervous system mediated biohologram, Miller and Webb wrote that the cymatic expression precipitating holography “employs sound waves to create a movement on a surface that is used as the basis for creation of an optical hologram.” Essentially, your chromosome first resonate from, then react to sound wave patterns emanating from the space around us. Electromagnetic processes then convert these sound wave patterns into wave patterns of light that reconstruct the shape of the object in your mind and experience.

“We are more fundamentally electromagnetic rather than chemical beings.” (Miller, 2002) “In essence, we emerge from pre-geometrically structured nothingness, and DNA is the projector of that field which sets up the stress gradients in the vacuum (or ‘quantum foam’) to initiate that process of embryonic holography.” (Horowitz, 2004)

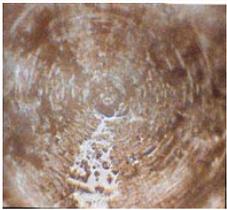
Horowitz has explained in numerous lectures that the blue eyes, hair color, and other attributes we contribute to DNA’s protein synthesis is really your creationistic antennae to the Divine Source of the universe. Your DNA is the intermediate of God and man; it is “sending signals through subspace that remanifest your physical body parts every now, now, now, now . . .” If you make the right changes that achieve the proper healing, your being can change for the positive much faster than you may have previously thought.

The water molecule discovery

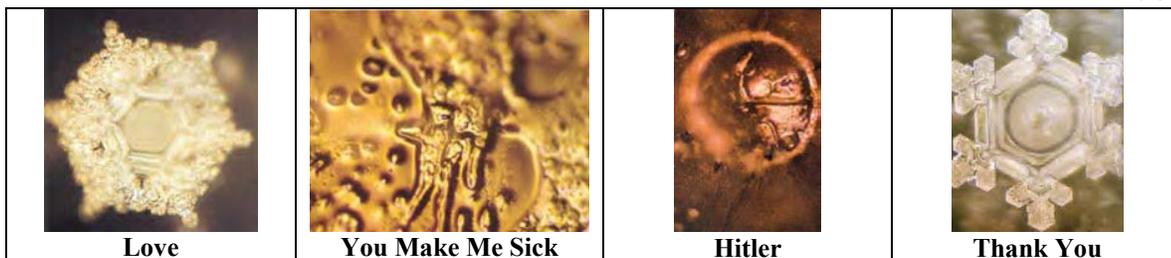
The photographs and information in this article reflect the work of Masaru Emoto, a creative and visionary Japanese researcher. Mr. Emoto has published an important book, *The Message from Water*, from the findings of his worldwide research. If you have any doubt that your thoughts affect everything in, and around you, the information and photographs that are presented here, taken from the book of his published results, will change your mind and alter your beliefs, profoundly. From Mr. Emoto’s work we are provided with factual evidence, that human vibrational energy, thoughts, words, ideas and music, affect the molecular structure of water, the very same water that comprises over seventy percent of a mature human body and covers the same amount of our planet. Water is the very source of all life on this planet. Its quality and integrity are vitally important to all forms of life.

Mr. Emoto has been visually documenting these molecular changes in water by means of his photographic techniques. By freezing water and taking a photograph of the structure, as Mr. Emoto has done, you get incredible information about the water. His work clearly demonstrates the diversity of the molecular structure of water and the effect of the environment upon the structure of the water. Mr. Emoto has discovered many fascinating differences in the crystalline structures of water from many different sources and different conditions around the planet. Water from pristine mountain streams and springs show the beautifully formed geometric designs in their crystalline patterns. Polluted and toxic water from industrial and populated areas and stagnated water from water pipes and storage dams show definitively distorted and randomly formed crystalline structures. With the recent popularity in music therapy, Mr. Emoto decided to see what effects music has on the structuring of water. He placed distilled water between two speakers for several hours and then photographed the crystals that formed after the water was frozen. After seeing water react to different environmental conditions, pollution and music, Mr. Emoto and colleagues decided to see how thoughts and words affected the formation of untreated, distilled, water crystals using words typed onto paper by a word processor, then taped on glass bottles full of water. The water was left overnight and then analyzed. The same procedure was performed using the names of deceased persons. The waters were then frozen and photographed. The findings are in part demonstrated below.

Photographs in this article have been graciously borrowed from: "*The Message from Water*," by Masaru Emoto.

Different kinds of water tested:				
	Perfect Water	Spring Water -Japan	Distilled Water	Yodo River Water
Water after being subjected to music:				
	Bach G-String	Heavy Metal	Folk Dance	Tibet Sutra

Water after taping the words listed to the outside of the glass containing the water:



Thought energy

The research done with water molecules is the first widely published research proving that energy is not only in music and color, but in the words we speak, the thoughts we think and even written words! You can see that energy, particularly when it is connected with intent, effects the subtle field. This in turn changes the electromagnetic information that dictates physical reality. The energy generated from thoughts can be measured in a polygraph (lie detector) test, but it can also be interpreted with kinesiology because of the changes created in atomic particles and photon signatures. The Germans were said to have used kinesiology in World War II to interrogate prisoners to help identify if they were telling the truth or not. We are all born with a conscience and if our parents do their job at all, they help to instill the ability to tell the difference between right and wrong. Whether your parents did their job or not, your cells always know. I believe that basic right and wrong, from the Biblical point of view, is hard-wired into our DNA. Any time you do anything wrong, from the standpoint of your cellular memory or what you think others would expect of you, your cells short circuit for a fraction of a second. If the Germans really did use kinesiology to interrogate people, they would simply ask a question, allow the person to answer and then proceed to test the person with the strength challenge test demonstrated in the previous section. If the answer was a lie, there would be a temporary strength failure because of the temporary short circuit of the nervous system.

We have established a scientific model for the electromagnetic man in previous chapters, so we already know that energy is not only at the core of all living matter, but that matter exists only in the context of the information held in this electromagnetic field. We also determined that the orbital movement of electrons around the nucleus created a frequency. When something has a frequency, it has the ability to resonate with something else having the like frequency. This is sometimes referred to as tuning characteristics. A simple example is the way in which a tuning fork will begin to vibrate on its own when another of the same frequency (or note) is vibrating in proximity. It is also similar to the way in which antennae of particular length are used to tune in radio waves of particular frequency. So guess what, when you meet someone that you like a whole lot and just feel like you have known them all your life, it is simply that you both vibrate at the same frequency. Some people teach that feelings like this indicate a possibility of having known that person in a past life, but there is no mathematical equation to back that kind of thinking. In literal terms, you resonate well with that person.

What about the sixth sense, and intuition and the ability that twins have to feel the pain or happiness of the other twin even though they are hundreds of miles apart? Is there any way to explain that? Einstein and other scientists have published papers on the probability of telepathic particles. They predicted that when two particles split apart, by studying one particle you would gain information about the other even if it were thousands of miles apart. It seems they were right. Our sixth sense or intuition seems to be the human avenue of reading and interpreting these telepathic particles, also known as IDF (Intrinsic Data Fields).

Intrinsic Data Fields

The kinesiologist, or other practitioner utilizing some form of supersensitives (the ability to discern electromagnetic energy) has relied on tools to amplify the body's response. The simplest and oldest reference tool is most commonly known as a witching rod. While it sounds terribly evil, it is nothing more than a physical amplification of the electrical current produced by running water under the ground, or electric power lines running under the ground, as people need to find in modern times. Traditionally done by a form of kinesiology called dowsing (which generally means the kinesiologist uses a pendulum for the amplification tool). The most advanced tool for amplifying the responses of the electromagnetic field is called a radionic instrument. This instrument is simply a machine used to "tune in" to the Intrinsic Data Fields or subtle field much like a radio will find the radio frequency of your choice if you keep turning the dial. Radionics (unlike your radio) has the ability to not only monitor subtle fields but also to change and manipulate them. People talk about a gut feeling, the sixth sense, an inner knowing and some call it psychic, but these are all a natural ability to do what the radionic instrument is programmed to do. God created us with these abilities. It is this precise ability that allows a person to be receptive to the Creator's still small voice. Remember that eight percent of someone's brain designed and built the radionic machine, what is the true potential of the human being? A person with a "gut feeling" simply describes a person who uses his body as the amplifying tool and has sensed the energy readings without outside tools of amplification. Most people are not able to decipher what their "gut feelings" and intuition is telling them; most people have shut this ability down so much that they do not even admit to intuition and gut feelings. Subsequently, most people have no idea what God is trying to tell them. Their spiritual understanding is limited by what they learn in church and are told by those theological minds they respect. But that's another story. The only thing that sets kinesiology apart from these questionable abilities is the muscle response, which is used as a means of interpreting the body's ability to act as an amplifier of the subtle fields.

The use of tangible substances such as samples of herbs and homeopathics and a set of protocols also give us something solid to work with so our brains can take in and understand the information in a western/limited paradigm. What I am saying is that if you could learn to be sensitive enough (Extra Sensory Perception- ESP), you could master the art of kinesiology without ever using a sample or even touching acupuncture points. With a simple thought, you would be able to resonate your own particles with that of another. Intent is the current of energy, so in an advanced potential, you would have the ability to not only access their energy field but to change it by affecting the “binding” content of their atoms! Sound far fetched? Guess what, if you believe in the power of prayer, it is the same principle I am describing here that allows prayer to work. You didn’t think prayer was an unexplainable miracle did you? Everything God does, and every miracle, works on some principle grounded in mathematics. It is the only universal language. Not because I am trying to put God in a box, but because we know God is a God of order and order means there is a way to the order, a rhyme or reason for it. Without mathematics, the unexplainable would be mystical at best, sorcery at worst. I do not for a second pretend to think that we will ever figure out all the secrets of the universe, but what we lack in understanding does not make it magic and a miracle with no explanation would be magic-sorcery!

According to Dr. Ernest Rossi, “[The] psychotherapeutic approach can contribute to psychobiological arousal, enrichment, and relaxation; it may be possible to help people find optimal levels of mental stimulation to facilitate actual growth in the hippocampus of their brain to encode new memory, learning, and behavior ... optimizing psychobiological growth and healing.” (Rossi, 1999) In case you are not aware, psychobiological growth and healing means that growth and healing would occur in the physical body induced by specific thought processes. Again, does this explain in large how effects of prayer are based in faith, which is believing something can happen even if you can’t see it? Something to ponder.

Stress + Response = Outcome

Studies now indicate that reality is really just a matter of perception. Ultimately, this means that the body responds to perceptions and expectations, not what actually occurred. What occurs in the physical realm, what we see and experience in our three dimensional world, is a manifestation of the perception we output. Most of the neuron disruption is the result of a series of accumulated factors that occurred throughout our lives. Some go so far as to say that the psychological profile is created and set by the age of seven and our ability or lack of ability to deal with stressors today stems from something that started before that age. The fact is that every event, situation or circumstance is filtered through the spirit (connection to the Creator - YHVH), the mind (accumulated perception of previous hurts) and the body (ability for the physical body to sustain the effect of the spirit and mind). The outcome of filtered events that we experience determines how well the body is able to adapt to the stress of the event. This is what determines whether the experience destroys neurons and adds to the factors that will ultimately cause or contribute to futuristic disease.

Disease is caused from lack of adaptation

Hans Selye said it best when he indicated that disease forms when the brain ceases to adapt to various stimuli. The result is malfunction of cells, tissue destruction, symptoms, system failure and finally death. You can see that symptoms are not at the beginning of the problem, but just before death. Thus symptom relief should not be considered health care, even if the medicine being used is natural. Real health care incorporates prevention when possible, but when treatment is required, a protocol or therapy that helps the body achieve health all the way back to the neurological cells should be considered.

The question then becomes, what causes lack of adaptation? Or going back even further, what causes the response to be less than positive so that the sum of the outcome is negative? If the issues we face are not as important as the perceptions and expectations we have, then we need to change the way we perceive things. Maybe we should be less judgmental, or less narrow minded, so that we have fewer expectations that need to be met. Let’s face it, a person that has no need to control people or situations; a person that is not in judgment has very few expectations. Perhaps that is why the Bible teaches that love conquers all. We all know that the older we get, the greater our potential for disease becomes. Why is that? Medicine says age, but why are we aging? Medicine also tells us that every cell in the body dies off giving rise to new cells. It is a continual cycle from the day we are born. I teach my students that we never give people health, and we don’t make them heal. That ability is in each of us already. It is a free gift from God. A good health practitioner helps the patient find the areas that are inhibiting that potential from occurring. Eliminating the inhibiting factors allows the person (or animal) to begin reproducing new healthy cells rather than the same diseased ones. The truth is, as we get older, the amount of issues we were able to resolve or adapt to have become more than the physical body can handle. Thus the less adaptation we have, the more disease we promote.

So where and how does adaptation occur? The brain has a center called the thalamus. This is the center where most of the neuron responses are sent and received. The thalamus is not always the problem, but lack of information to and from the thalamus is the problem. Thought and the process of activity produce electricity in the brain by supplying oxygen and speeding up electron movement. Guess what? That means the less you exercise, the less potential you have to create electricity. Circuits in the brain and around the body are always either feeling stimulation or becoming stagnant from lack of use. As stagnation occurs, the body’s ability to adapt is reduced. As adaptation is reduced, you have just accumulated one more factor to contribute to disease. You see, when neurons don’t fire for some time, meaning they are not used, something called transneuronal degeneration occurs. If you find yourself in this position, you are sick, diseased and possibly narrow minded in areas of your life simply because you have lack of ability to

adapt. Not to worry, there is no incurable illness even if your transneuronal degeneration is severe! How long your neurons have been degenerating will dictate the amount of time it will take to reach wellness though. There is a way to once again stimulate the neuron pathways, even after surgeries, which is one of the most catastrophic events the body must endure. If you think about it, the lack of activity in your thyroid or ovaries or liver or anywhere is caused from lack of neuron response because neurons dictate the chemical response in the tissues. Thus if (when) we once again begin to promote neuron response, the tissues will begin to respond. Keep in mind that there is such a thing as over stimulation. The body's metabolic pathways can only take so much at one time. I mentioned that movement (exercise) is critical to neuron health, particularly metabolic pathways. If you are not exercising (aerobic) over stimulation in your metabolic pathways will cause cell death. Moderation in all things. You didn't get this way in a day and you can't cure it in a day. So what keeps the neurons firing to all the body cells without interruption? Well, we know that intent is the energy that binds the molecules, so "as a man thinketh in his heart" is surely a large part of the equation. But keeping the physical body healthy keeps the hardware in better working order. If you study the Get Well, Stay Well principles and the Total Body Analysis principles outlined on my website you will have a very good picture of what it takes to keep and stay healthy. It is summarized in the last chapter, but we must first understand how and why it all works.

Mind/Matter interactions

Some interesting and significant work has been done by Robert Jahn and Brenda Dunne at Princeton University documenting psychokinesis. One series of experiments involved use of a random number generator. Another utilized something akin to a pinball machine. Employing a large number of test subjects and replication, the researchers found that the outcomes produced by either machine could indeed be influenced by concentrated thought. The scientists further noted that these abilities were not limited to a few gifted individuals, but psychokinesis capabilities were present in the majority of those tested.

It is one thing to propose that mind/matter interactions occur, it is quite another to propose the mechanism behind them. Classical descriptions of the universe leave no room for them, of course. One scientist who broke free from the prevailing world view was John Stewart Bell. In 1964, while a theoretical physicist on sabbatical from his position with CERN, Bell chose to tackle the idea of "impossible proofs". Impossibility proofs are logical arguments which conclusively exclude other theories or models of reality. In so doing, he devised one of his own which became known as "Bell's Theorem". Bell's Theorem was a "proof" that the universe, at its core, had the important and controversial characteristics known as nonlocality.

To understand what nonlocality means, let's first assure you know the meaning of locality. Local interactions are familiar and simple. If a ball is rolled across the table and strikes another ball, that is the local reaction. Energy is transferred from the one ball to the other, and the second ball moves. To visualize a nonlocal interaction, imagine the two balls on separate tables in different rooms. Suppose that the first ball is rolled across the table in the dining room. Simultaneously and without any obvious help, the second ball, located on the table in the second room, suddenly moves in like manner as if it had been hit. Nonlocal interactions are unmediated by an observed force, they are instantaneous and they are not reduced by distance.

The implication of nonlocality is that "everything in the Universe is connected to everything else!" This is a concept of nature which has deep roots in mystical traditions and has, in recent years, been given new life through environmental and ecological thought. In actuality, the concept of nonlocality goes even further. It goes beyond suggesting that everything is interconnected, to saying that there is essentially no such thing as "separation", that everything is not merely a part of the whole but that wholeness is the primary reality. And so the first "proof" of nonlocality was by Bell in 1964.

Study of the hologram is perhaps the best way to "prove" the theory of nonlocality. Holograms store information in the form of interference patterns. This is radically different from that employed on computer discs or similar media. If a hologram storing the image of a person is shattered into many small pieces, any small fragment may be illuminated with a laser light and the full image produced will still be that of the entire person. In a hologram, every piece of information is stored throughout the entire hologram. This is a "nonlocal" means of storing information. Some 10 billion bites of information have been successfully stored holographically in a cubic centimeter and the amount of storable information continues to increase as science advances.

Synchronicity, defined as meaningful coincidence or significant related patterns of chance, suggests that some form of resonance seems to be the factor which sorts and associates objects and events within the nonlocal, holographic universe. In the classical example where a person finds him/herself thinking about someone else and suddenly the phone rings to find it is the person they were just thinking about, one pattern of thought resonates with another pattern in the implicate, perhaps causing it to unfold as an event. There are a growing number of quantum physicists and other scientists who are convinced that mind/matter interactions can and do occur, and that we are participators in the shaping of reality rather than mere observers. If that is true, our world is one in which the mental capabilities referred to here and in the next pages are real and diagnostic forms such as kinesiography are at the cutting edge of what science should hope to become. Modern physics does not and will not approve of supersensory and related phenomenon although it does suggest that "normal reality", based on 19th Century Physicalism is illusion. It is those who still cling to this archaic paradigm who are the victims of self-deception and wishful thinking.

The Universe as a Hologram –by Michael Talbot

In 1982 a remarkable event took place. At the University of Paris a research team led by physicist Alain Aspect performed what may turn out to be one of the most important experiments of the 20th century. You did not hear about it on the evening news. In fact, unless you are in the habit of reading scientific journals you probably have never even heard Aspect's name, though there are some who believe his discovery may change the face of science.

Aspect and his team discovered that under certain circumstances subatomic particles such as electrons are able to instantaneously communicate with each other regardless of the distance separating them. It doesn't matter whether they are 10 feet or 10 billion miles apart. Somehow each particle always seems to know what the other is doing. The problem with this feat is that it violates Einstein's long-held tenet that no communication can travel faster than the speed of light. Since traveling faster than the speed of light is tantamount to breaking the time barrier, this daunting prospect has caused some physicists to try to come up with elaborate ways to explain away Aspect's findings. But it has inspired others to offer even more radical explanations.

University of London physicist David Bohm, for example, believes Aspect's findings imply that objective reality does not exist, that despite its apparent solidity the universe is at heart a phantasm, a gigantic and splendidly detailed hologram. To understand why Bohm makes this startling assertion, one must first understand a little about holograms. A hologram is a three-dimensional photograph made with the aid of a laser. To make a hologram, the object to be photographed is first bathed in the light of a laser beam. Then a second laser beam is bounced off the reflected light of the first and the resulting interference pattern (the area where the two laser beams commingle) is captured on film. When the film is developed, it looks like a meaningless swirl of light and dark lines. But as soon as the developed film is illuminated by another laser beam, a three-dimensional image of the original object appears. The three-dimensionality of such images is not the only remarkable characteristic of holograms. If the hologram of a rose is cut in half and then illuminated by a laser, each half will still be found to contain the entire image of the rose, much like the Kirlian photographs revealed with the experiment of the leaf (explained in previous pages). Indeed, even if the halves are divided again, each snippet of film will always be found to contain a smaller but intact version of the original image. Unlike normal photographs, every part of a hologram contains all the information possessed by the whole.

The "whole in every part" nature of a hologram provides us with an entirely new way of understanding organization and order. For most of its history, Western science has labored under the bias that the best way to understand a physical phenomenon, whether a frog or an atom, is to dissect it and study its respective parts. A hologram teaches us that some things in the universe may not lend themselves to this approach. If we try to take apart something constructed holographically, we will not get the pieces of which it is made, we will only get smaller wholes.

This insight suggested to Bohm another way of understanding Aspect's discovery. Bohm believes the reason subatomic particles are able to remain in contact with one another regardless of the distance separating them is not because they are sending some sort of mysterious signal back and forth, but because their separateness is an illusion. He argues that at some deeper level of reality such particles are not individual entities, but are actually extensions of the same fundamental something.

To enable people to better visualize what he means, Bohm offers the following illustration. Imagine an aquarium containing a fish. Imagine also that you are unable to see the aquarium directly and your knowledge about it and what it contains comes from two television cameras, one directed at the aquarium's front and the other directed at its side. As you stare at the two television monitors, you might assume that the fish on each of the screens are separate entities. After all, because the cameras are set at different angles, each of the images will be slightly different. But as you continue to watch the two fish, you will eventually become aware that there is a certain relationship between them. When one turns, the other also makes a slightly different but corresponding turn; when one faces the front, the other always faces toward the side. If you remain unaware of the full scope of the situation, you might even conclude that the fish must be instantaneously communicating with one another, but this is clearly not the case.

This, says Bohm, is precisely what is going on between the subatomic particles in Aspect's experiment. According to Bohm, the apparent faster-than-light connection between subatomic particles is really telling us that there is a deeper level of reality we are not privy to, a more complex dimension beyond our own that is analogous to the aquarium. And, he adds, we view objects such as subatomic particles as separate from one another because we are seeing only a portion of their reality. Such particles are not separate "parts", but facets of a deeper and more underlying unity that is ultimately as holographic and indivisible as the previously mentioned rose. And since everything in physical reality is comprised of these "eidolons", the universe is itself a projection, a hologram.

In addition to its phantomlike nature, such a universe would possess other rather startling features. If the apparent separateness of subatomic particles is illusory, it means that at a deeper level of reality all things in the universe are infinitely interconnected. The electrons in a carbon atom in the human brain are connected to the subatomic particles that comprise every salmon that swims, every heart that beats, and every star that shimmers in the sky. Everything interpenetrates everything, and although human nature may seek to categorize and pigeonhole and subdivide, the various phenomena of the universe, all apportionments are of necessity artificial and all of nature is ultimately a seamless web.

In a holographic universe, even time and space could no longer be viewed as fundamentals. Because concepts such as location break down in a universe in which nothing is truly separate from anything else, time and three-dimensional space, like the images of the fish on the TV monitors, would also have to be viewed as projections of this deeper order. At its deeper level reality is a sort of superhologram in which the past, present, and future all exist simultaneously. This suggests that given the proper tools it might even be possible to someday reach into the superholographic level of reality and pluck out scenes from the long-forgotten past. Don't mistake this with a visit to your local psychic, this is not communing with the dead, it is simply accessing the potential of what is and has always been.

What else the superhologram contains is an open-ended question. Allowing, for the sake of argument, that the superhologram is the matrix that has given birth to everything in our universe, at the very least it contains every subatomic particle that has been or will be - every configuration of matter and energy that is possible, from snowflakes to quasars, from blue whales to gamma rays. It must be seen as a sort of cosmic storehouse of "All That Is." Keep this particular idea in mind when you begin reading Chapter 5 and see how the Bible's statement "I am that I am" may once again be reference for who and what holds every molecule together and why it is all connected and possibly even all one and the same as Bohm explained with the fish tank.

Memories in the Hologram

Bohm is not the only researcher who has found evidence that the universe is a hologram. Working independently in the field of brain research, Stanford neurophysiologist Karl Pribram has also become persuaded of the holographic nature of reality. Pribram was drawn to the holographic model by the puzzle of how and where memories are stored in the brain. For decades numerous studies have shown that rather than being confined to a specific location, memories are dispersed throughout the brain.

In a series of landmark experiments in the 1920s, brain scientist Karl Lashley found that no matter what portion of a rat's brain he removed he was unable to eradicate its memory of how to perform complex tasks it had learned prior to surgery. The only problem was that no one was able to come up with a mechanism that might explain this curious "whole in every part" nature of memory storage.

Then in the 1960s Pribram encountered the concept of holography and realized he had found the explanation brain scientists had been looking for. Pribram believes memories are encoded not in neurons, or small groupings of neurons, but in patterns of nerve impulses that crisscross the entire brain in the same way that patterns of laser light interference crisscross the entire area of a piece of film containing a holographic image. In other words, Pribram believes the brain is itself a hologram.

Pribram's theory also explains how the human brain can store so many memories in so little space. It has been estimated that the human brain has the capacity to memorize something on the order of 10 billion bits of information during the average human lifetime (or roughly the same amount of information contained in five sets of the Encyclopedia Britannica). And yet some might say that is a severe underestimation because the brain has the ability to connect with the holographic universe and know all that is!

Similarly, it has been discovered that in addition to their other capabilities, holograms possess an astounding capacity for information storage--simply by changing the angle at which the two lasers strike a piece of photographic film, it is possible to record many different images on the same surface. It has been demonstrated that one cubic centimeter of film can hold as many as 10 billion bits of information.

Our uncanny ability to quickly retrieve whatever information we need from the enormous store of our memories becomes more understandable if the brain functions according to holographic principles. If a friend asks you to tell him what comes to mind when he says the word "zebra", you do not have to clumsily sort back through some gigantic and cerebral alphabetic file to arrive at an answer. Instead, associations like "striped", "horse-like", and "animal native to Africa" all pop into your head instantly (assuming you have been doing your exercises). Indeed, one of the most amazing things about the human thinking process is that every piece of information seems instantly cross-correlated with every other piece of information--another feature intrinsic to the hologram. Because every portion of a hologram is infinitely interconnected with every other portion, it is perhaps nature's supreme example of a cross-correlated system.

The brain's ability to translate frequencies

The storage of memory is not the only neurophysiological puzzle that becomes more tractable in light of Pribram's holographic model of the brain. Another is how the brain is able to translate the avalanche of frequencies it receives via the senses (light frequencies, sound frequencies, and so on) into the concrete world of our perceptions.

Encoding and decoding frequencies is precisely what a hologram does best. Just as a hologram functions as a sort of lens, a translating device able to convert an apparently meaningless blur of frequencies into a coherent image, Pribram believes the brain also comprises a lens and uses holographic principles to mathematically convert the frequencies it receives through the senses into the inner world of our perceptions. This would explain how and why a homeopathic medicine can solve health issues when there is nothing but a

frequency, or energetic properties in the homeopathic. This explains why the body can take in these frequencies and convert them into directions that end in chemical responses and physiological changes.

An impressive body of evidence suggests that the brain uses holographic principles to perform its operations. It is known that emotional traumas will create physical disease. Emotional trauma is actually used as an official diagnosis now! But it cannot be predicted how or where or when the body will react to an emotional trauma. If the brain is in fact holographic in nature, then all emotions are essentially prised energy beaming throughout the tissues of the body which is why people can often support certain areas of the body with natural medicine and the disease, or at least the symptom, dissipates. The cause has not been corrected, the tissues are no longer so weak that the prised energy of the emotional trauma causes disease in that area. Pribram's theory, in fact, has gained increasing support among neurophysiologists.

Do we live in the Matrix?

Argentinian-Italian researcher Hugo Zucarelli recently extended the holographic model into the world of acoustic phenomena. Puzzled by the fact that humans can locate the source of sounds without moving their heads, even if they only possess hearing in one ear, Zucarelli discovered that holographic principles can explain this ability. Zucarelli has also developed the technology of holophonic sound, a recording technique able to reproduce acoustic situations with an almost uncanny realism.

Pribram's belief that our brains mathematically construct "hard" reality by relying on input from a frequency domain has also received a good deal of experimental support. It has been found that each of our senses is sensitive to a much broader range of frequencies than was previously suspected. Researchers have discovered, for instance, that our visual systems are sensitive to sound frequencies, that our sense of smell is in part dependent on what are now calling "osmic frequencies", and that even the cells in our bodies are sensitive to a broad range of frequencies. Such findings suggest that it is only in the holographic domain of consciousness that such frequencies are sorted out and divided up into conventional perceptions.

But the most mind-boggling aspect of Pribram's holographic model of the brain is what happens when it is put together with Bohm's theory. For if the concreteness of the world is but a secondary reality and what is "there" is actually a holographic blur of frequencies, and if the brain is also a hologram and only selects some of the frequencies out of this blur and mathematically transforms them into sensory perceptions, what becomes of objective reality? Put quite simply, it ceases to exist. As the religions of the East have long upheld, the material world is Maya, an illusion, and although we may think we are physical beings moving through a physical world, this too is an illusion. We are really "receivers" floating through a kaleidoscopic sea of frequency, and what we extract from this sea and transmogrify into physical reality is but one channel from many extracted out of the superhologram.

Practical explanation of our human potential

Where does reality hit the road with all of this? Our ultimate potential and what our body's are able to experience is probably on a very different level. The Bible indicates that we were created in the image of God, whose presence has been described in previous pages as the literal glue that holds the universe together and accounts for the interconnectedness of our universe. I always wondered how prayer works, and I wondered why people who do imagery, or visualization could initiate results even when they did not believe in God at all. One does not have to believe in something for it to be true, and apparently, God does not require that we believe for some of these principles to work. When we start to reference the true potential of who we are and what we may be capable of, it is enough to make your mind spin. We are said to use less than 10% of our brains, but if we were created in the image of YHVH, can you imagine what our potential is if we used more than that 10%? I have theorized that the 90% we don't currently access holds the ability to utilize all of our true potential. I imagine that most of that ability was removed when Adam was disobedient to God in the Garden of Eden because God knew that humanity would be self centered and arrogant as a rule. Imagine if we had the kinds of potential abilities that might be possible as people made in the image of the Creator, which is how the Bible says we are made? With all of the evidence presented thus far, we would be able to destroy each other and the earth itself with little difficulty.

So how is all of this information practical and usable? I believe the Bible holds the key to that question. There are many potential scriptures to elude to the following insinuations.

“If ye abide in me and my words abide in you, ye shall ask what ye will and it shall be done to you.”
-the deeper our search for truth, the closer our connection to the Creator, the more authority we have over creation.

“As a man thinketh in his heart, so is he.”
-does this insinuate that you are being given the authority to create your own reality?

Practical applications of how we might use the information presented here will be given in the following chapters.

Transpersonal Psychology

This striking new picture of reality, the synthesis of Bohm and Pribram's views, has come to be called the-holographic paradigm, and although many scientists have greeted it with skepticism, it has galvanized others. A small but growing group of researchers believe it may be the most accurate model of reality science has arrived at thus far. More than that, some believe it may solve some mysteries that have never before been explainable by science and even establish the paranormal as a part of nature. Numerous researchers, including Bohm and Pribram, have noted that many para-psychological phenomena become much more understandable in terms of the holographic paradigm.

In a universe in which individual brains are actually indivisible portions of the greater hologram and everything is infinitely interconnected, telepathy may merely be the accessing of the holographic level. It is obviously much easier to understand how information can travel from the mind of individual 'A' to that of individual 'B' at a far distance point and helps to understand a number of unsolved puzzles in psychology. In particular, Stanislav Grof feels the holographic paradigm offers a model for understanding many of the baffling phenomena experienced by individuals during altered states of consciousness. In the 1950s, while conducting research into the beliefs of LSD as a psychotherapeutic tool, Grof had one female patient who suddenly became convinced she had assumed the identity of a female of a species of prehistoric reptile. During the course of her hallucination, she not only gave a richly detailed description of what it felt like to be encapsulated in such a form, but noted that the portion of the male of the species's anatomy was a patch of colored scales on the side of its head. What was startling to Grof was that although the woman had no prior knowledge about such things, a conversation with a zoologist later confirmed that in certain species of reptiles colored areas on the head do indeed play an important role as triggers of sexual arousal. The woman's experience was not unique. During the course of his research, Grof encountered examples of patients regressing and identifying with virtually every species on the evolutionary tree. Moreover, he found that such experiences frequently contained obscure zoological details which turned out to be accurate.

Regressions into the animal kingdom were not the only puzzling psychological phenomena Grof encountered. He also had patients who appeared to tap into some sort of collective or racial unconscious. Individuals with little or no education suddenly gave detailed descriptions of Zoroastrian funerary practices and scenes from Hindu mythology. In other categories of experience, individuals gave persuasive accounts of out-of-body journeys, of precognitive glimpses of the future. Keep in mind that the cases mentioned thus far were initiated by LSD, which is a hallucinogenic and strictly forbidden Biblically. The reason is perhaps that the mind would become open to things that it was not ready to handle while we are governed by human thinking. While I would not suggest these kinds of experiences that likely open the mind to a realm it is not fully able to comprehend or guard against, I share this so you will understand the potential of humanity is more than we might have guessed. Adam was placed in charge of how many animals in the Garden of Eden? The only possible way he could have done his task is to be able to somehow know and understand each animal by connecting to the holographic level where all things intermingle. Before he was disobedient, his mind was probably able to do what LSD induced in the people tested, but his mind was connected to the Creator so that he was safe and guarded against principalities or forces that might have been less than productive.

In later research, Grof found the same range of phenomena manifested in therapy sessions which did not involve the use of drugs. Because the common element in such experiences appeared to be the transcending of an individual's consciousness beyond the usual boundaries of ego and/or limitations of space and time, Grof called such manifestations "transpersonal experiences", and in the late '60s he helped found a branch of psychology called "transpersonal psychology" devoted entirely to their study.

Although Grof's newly founded Association of Transpersonal Psychology garnered a rapidly growing group of like-minded professionals and has become a respected branch of psychology, for years neither Grof or any of his colleagues were able to offer a mechanism for explaining the bizarre psychological phenomena they were witnessing. But that has changed with the advent of the holographic paradigm.

As Grof recently noted, if the mind is actually part of a continuum, a labyrinth that is connected not only to every other mind that exists or has existed, but to every atom, organism, and region in the vastness of space and time itself, the fact that it is able to occasionally make forays into the labyrinth and have transpersonal experiences no longer seems so strange.

You can see how guarding the mind is so essential. Even without LSD to induce the unexpected, we are no doubt all connected to the universe as a whole. The brain is not only receiving information at all times, but it is also transmitting. What you allow your mind to dwell on will certainly shape and effect your physical being. More about this in the following chapters.

Elimination of coincidence

The holographic paradigm also has implications for so-called hard sciences like biology. Keith Floyd, a psychologist at Virginia Intermont College, has pointed out that if the concreteness of reality is but a holographic illusion, it would no longer be true to say the brain produces consciousness. Rather, it is consciousness that creates the appearance of the brain -- as well as the body and everything else around us we interpret as physical.

Such a turnabout in the way we view biological structures has caused researchers to point out that medicine and our understanding of the healing process could also be transformed by the holographic paradigm. If the apparent physical structure of the body is but a holographic projection of consciousness, it becomes clear that each of us is much more responsible for our health than current medical wisdom allows. What we now view as miraculous remissions of disease may actually be due to changes in consciousness which in turn effect changes in the hologram of the body.

Similarly, controversial new healing techniques such as visualization may work so well because, in the holographic domain of thought, images are ultimately as real as "reality".

Indeed, even our most fundamental notions about reality become suspect, for in a holographic universe, as Pribram has pointed out, even random events would have to be seen as based on holographic principles and therefore determined. Synchronicities or meaningful coincidences suddenly make sense, and everything in reality would have to be seen as a metaphor, for even the most haphazard events would express some underlying symmetry.

Whether Bohm and Pribram's holographic paradigm becomes accepted in science or dies an ignoble death remains to be seen, but it is safe to say that it has already had an influence on the thinking of many scientists. And even if it is found that the holographic model does not provide the best explanation for the instantaneous communications that seem to be passing back and forth between subatomic particles, at the very least, as noted by Basil Hiley, a physicist at Birbeck College in London, Aspect's findings "indicate that we must be prepared to consider radically new views of reality."

Russian DNA Discoveries - Summarized by Baerbel * Edited and translated (full article available at http://www.fosar-bludorf.com/index_eng.htm) Esoteric and spiritual teachers have known for ages that our body is programmable by language, words and thought. This has now been scientifically proven and explained. The human DNA is a biological Internet and superior in many aspects to the artificial one. The latest Russian scientific research directly or indirectly explains phenomena such as clairvoyance, intuition, spontaneous and remote acts of healing, self healing, affirmation techniques, unusual light/auras around people (namely spiritual masters), mental influence on weather patterns and much more.

In addition, there is evidence for a whole new type of medicine in which DNA can be influenced and reprogrammed by words and frequencies WITHOUT cutting out and replacing single genes. Only 10% of our DNA is being used for building proteins. It is this subset of DNA that is of interest to western researchers and is being examined and categorized. The other 90% are considered "junk DNA."

The Russian researchers, however, convinced that nature was not dumb, joined linguists and geneticists in a venture to explore that 90% of "junk DNA." Their results, findings and conclusions are simply revolutionary! According to their findings, our DNA is not only responsible for the construction of our body but also serves as data storage and communication. The Russian linguists found that the genetic code - especially in the apparent "useless" 90% - follows the same rules as all our human languages. To this end they compared the rules of syntax (the way in which words are put together to form phrases and sentences), semantics (the study of meaning in language forms) and the basic rules of grammar. They found that the alkalines of our DNA follow a regular grammar and do have set rules just like our languages. Therefore, human languages did not appear coincidentally but are a reflection of our inherent DNA.

The Russian biophysicist and molecular biologist Pjotr Garjajev and his colleagues also explored the vibrational behavior of DNA. In brief the bottom line was: "Living chromosomes function just like a holographic computer using endogenous DNA laser radiation." This means that they managed, for example, to modulate certain frequency patterns (sound) onto a laser-like ray which influenced DNA frequency and thus the genetic information itself.

Since the basic structure of DNA-alkaline pairs and of language (as explained earlier) is of the same structure, no DNA decoding is necessary. One can simply use words and sentences of the human language! This, too, was experimentally proven! Living DNA substance (in living tissue, not in vitro) will always react to language-modulated laser rays and even to radio waves, if the proper frequencies (sound) are being used. This finally and scientifically explains why affirmations and the like can have such strong effects on humans and their bodies. It is entirely normal and natural for our DNA to react to language.

While western researchers cut single genes from DNA strands and insert them elsewhere, the Russians enthusiastically created devices that influence cellular metabolism through modulated radio and light frequencies, thus repairing genetic defects. They even captured information patterns of a particular DNA and transmitted it onto another, thus reprogramming cells to another genome. So they successfully transformed, for example, frog embryos to salamander embryos simply by transmitting the DNA information patterns! This way the entire information was transmitted without any of the side effects or disharmonies encountered when cutting out and re-introducing single genes from the DNA.

This represents an unbelievable, world-transforming revolution and sensation: by simply applying vibration (sound frequencies) and language instead of the archaic cutting-out procedure! This experiment points to the immense power of wave genetics, which obviously has a greater influence on the formation of organisms than the biochemical processes of alkaline sequences.

Esoteric and spiritual teachers have known for ages that our body is programmable by language, words and thought. This has now been scientifically proven and explained. Of course the frequency has to be correct. And this is why not everybody is equally successful or can do it with always the same strength. The individual person must work on the inner processes and development in order to establish a conscious communication with the DNA.

The Russian researchers work on a method that is not dependent on these factors but will ALWAYS work, provided one uses the correct frequency. But the higher developed an individual's consciousness is, the less need is there for any type of device: one can achieve these results by oneself. Science will finally stop laughing at such ideas and will confirm and explain the results. And it doesn't end there. The Russian scientists also found out that our DNA can cause disturbing patterns in a vacuum, thus producing magnetized wormholes! Wormholes are the microscopic equivalents of the so-called Einstein-Rosen bridges in the vicinity of black holes (left by burned-out stars).

These are tunnel connections between entirely different areas in the universe through which information can be transmitted outside of space and time. The DNA attracts these bits of information and passes them on to our consciousness. This process of hyper-communication (such as telepathy) is most effective in a state of relaxation.

Stress, worry or a hyperactive intellect prevent successful hyper-communication or the information will be totally distorted and useless. In nature, hyper-communication has been successfully applied since the beginning of time. The organized flow of life in insects proves this dramatically. Modern man knows it only on a much more subtle level as "intuition." But we, too, can regain full use of it. As an example from nature, when a queen ant is separated from her colony, the remaining worker ants will continue building fervently according to plan. However, if the queen is killed, all work in the colony stops. No ant will know what to do. Apparently, the queen transmits the "building plans" even if far away - via the group consciousness with her subjects. She can be as far away as she wants, as long as she is alive.

In humans, hyper-communication is most often encountered when one suddenly gains access to information that is outside one's knowledge base. Such hyper-communication is then experienced as inspiration or intuition. The Italian composer Giuseppe Tartini, for instance, dreamt one night that a devil sat at his bedside playing the violin. The next morning Tartini was able to note down the piece exactly from memory. He called it the Devil's Trill Sonata.

For years, a 42-year old male nurse dreamt of a situation in which he was hooked up to a kind of knowledge CD-ROM. Verifiable knowledge from all imaginable fields was then transmitted to him that he was able to recall in the morning. There was such a flood of information that it seemed a whole encyclopedia was transmitted at night. The majorities of facts were outside his personal knowledge base and reached technical details of which he knew absolutely nothing. When hyper-communication occurs, one can observe in the DNA, as well as in the human, what would appear to be supernatural phenomena, but is really just access of true human potential.

In one experiment, the Russian scientists irradiated DNA samples with laser light. On screen, a typical wave pattern was formed. When they removed the DNA sample, the wave pattern did not disappear, it remained. Many controlled experiments showed that the pattern continued to come from the removed sample, whose energy field apparently remained by itself. This effect is now called phantom DNA effect. It is surmised that energy from outside of space and time still flows through the activated wormholes after the DNA was removed. The side effects encountered most often in hyper-communication in humans are inexplicable electromagnetic fields in the vicinity of the persons concerned. Electronic devices like CD players and the like can be irritated and cease to function for hours. When the electromagnetic field slowly dissipates, the devices function normally again. Many healers and psychic-types know this effect from their work: the better the atmosphere and energy, the more frustrating it can be for recording devices as they stop functioning at that exact moment. Often by next morning all is back to normal. Perhaps this is reassuring to read for many, as it has nothing to do with them being technically inept; it means they are good at hyper-communication.

In their book *Vernetzte Intelligenz*, Grazyna Gosar and Franz Bludorf explain these connections precisely and clearly. The authors also quote sources presuming that in earlier times humanity had been just like the animals: very strongly connected to group consciousness and thereby acted as a group. This concept fits creationistic principles because all people lived in tightly knit tribes in the beginning. In order to develop and experience individuality, however, we humans had to forget hyper-communication almost completely. We live miles, states and even countries away from the rest of our family. Often on purpose!

Now that we are fairly stable in our individual consciousness, we can create a new form of group consciousness - namely one in which we attain access to all information via our DNA without being forced or remotely controlled about what to do with that information. We now know that just as we use the internet, our DNA can feed proper data into the network, can retrieve data from the network, and

can establish contact with other participants in the network. Remote healing, telepathy or "remote sensing" about the state of another can thus be explained. Most animals know from afar when their owners plan to return home. This can be freshly interpreted and explained via the concepts of group consciousness and hyper-communication.

Any collective consciousness cannot be sensibly used over any period of time without a distinctive individuality; otherwise we would revert to a primitive herd instinct that is easily manipulated. Hyper-communication in the new millennium means something quite different. Researchers think that if humans with full individuality would regain group consciousness, they would have what might seem like a god-like power to create, alter and shape things on Earth! Nothing is new under the sun, it simply needs to be accessed or changed into a different facet. Thus we are not creators, but utilizers of the Creation that was given for our dominion. And like it or not there is a large movement of people collectively moving toward such a group consciousness of the new kind. I am sad to say that people of the church, which should have the most potential because of their connection to God are falling further and further behind in their actual potential because they spend more time judging these things than they do searching them out. Who will inherit the earth?

As a rule, weather for example is rather difficult to influence by a single individual. But it may be influenced by group consciousness (nothing new about this to some indigenous tribes). Weather is strongly influenced by Earth resonance frequencies (Schumann frequencies). But those same frequencies are also produced in our brains, and when many people synchronize their thinking or when individuals (spiritual masters, for instance) focus their thoughts in a laser-like fashion, then it is not at all surprising that they can influence the weather. Currently there is technology that goes by the name of HAARP used to manipulate weather and once again that was created by less than ten percent of the human mind. I ask you again, what is our true potential? A modern day civilization which embraced and developed hyper-communication would have neither environmental problems nor scarcity of energy: for if it were to use such capabilities as a unified civilization, it would have control of the energies of its home planet as a natural consequence.

Where does thought potential meet reality?

We know perception is reality, but I am standing in my master bedroom and I want to be in the kitchen for a snack. I am going to close my eyes, think real hard, concentrate, feel it with all the emotion I have . . . but being human gives me that carbon element which is awfully hard to move with the mind alone. I need to use my legs to get over there. My legs won't work if I am not caring for my physical body, so we need to realize that the power of the mind, of intention, of intense emotion can shape and even create our reality, but it does it subtly. That is why it is the majority of what we do that makes our reality. A good thing too. A weak moment and we would surely do things we would regret. The whole point of this book is to get you in touch with your true potential, so I don't want to discourage it in any way. If you find a way to transport from here to there, I want to be first on the list to talk with you so I can learn such a great ability. But until then, understand your potential but remember that you must dwell within your carbon shell and it needs care. Not modern medical care, it needs natural care. Matter of fact, keep the medications, surgeries, vaccinations and anything else offered by medicine far from your carbon shell if you want your potential to rise to its fullest. All of those medical offerings are dampeners of the human minds potential.