

A Unified Vision of the Universe

by W R Hohenberger

*"We shall some day catch an abstract truth by the tail,
then we shall have our religion and our immortality."*

- Henry Adams



Abstract

All the space between the stars and the planets is filled with a single universal substance, the stellar air. The objects of our physical world are made from compressed and condensed stellar air, or liquid light. The stellar air can be seen as a luminous fog and the liquid light can be seen as structures of crystal. The stellar air is flowing into the Earth, which causes the sensation of gravity, and then turns into mass or liquid light, which causes the Earth to grow and to expand and the Earth's continents to drift apart. A black hole is a void encased within a ball of nuclear fire and exists at the center of each of the galaxies, the stars, and the planets. The physical universe expands within the heavenly universe, which is both finite and eternal. Everything is made from the stellar air and the liquid light and can be visualized in the various shapes and forms of the energies of the dark and the light. The world of color that we perceive is actually an illusion created within the boundaries of our minds, and there instead exists another world beyond our human perceptions, which is accessible only through the powers of our imagination.

Our World

It seems at times that there is a great abyss between the knowledge of our minds and the feelings found within our hearts. However, along with most of our seemingly inherent deficiencies there is usually found a force with the ability to bridge these impenetrable rifts within our psychological being. As such, curiosity is the outward response to the inner need for fulfillment within living beings. Nowhere on Earth is this force manifested greater than in the human being. At birth, we were each given a mind with the natural instinct to search for newness in life. As children, we established values and priorities, which represented the culmination of those early years of learning. As adults, we are each involved in a constant struggle to find the remaining solutions to the unanswered questions, which developed during those fragile years. This unquenchable thirst for the knowledge of whom and what we are can be most easily seen in the natural curiosity we exhibit toward the world in which we live. In its name, we have explored the Earth's lands and seas, peered into the distance of the universe and the smallest of the atoms, and studied the creatures of life for a definition of life. During this journey, we have amassed great volumes of information about our universe. While at the same time, we have failed to develop a common perception of the universe; and probably, only when we develop this common perception will be able to find those answers about ourselves that we are so earnestly seeking.

Currently, we are proposing theories for the structure of the universe based on the thought that the universe is comprised of a small amount of real substance and that the remaining space is empty and void. The following theory is based on the thought that the universe is comprised entirely of substance, and that physical matter, as we know it, is but a small amount of that substance. Furthermore, it is proposed that physical matter is merely a single form of energy, of which many other forms are not only possible but also probable; and that the grandeur of the universe is far greater than previously imagined.

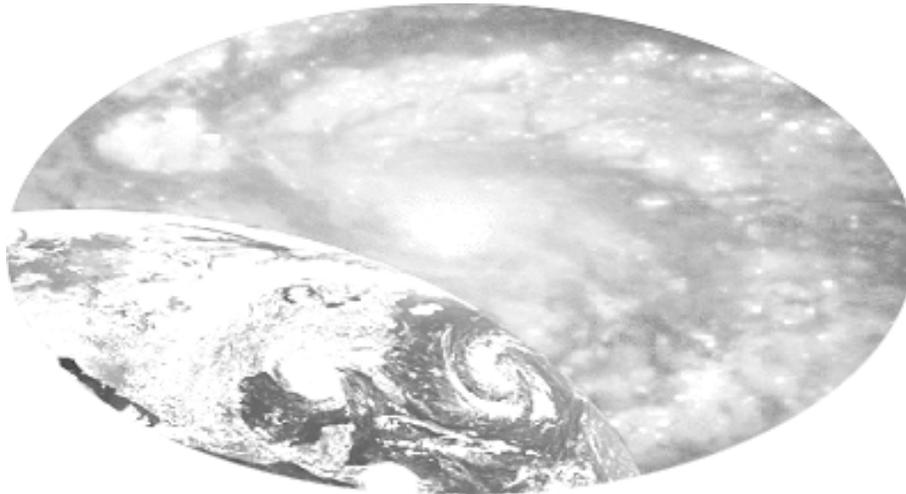


The entire basis for scientific study is cause and effect. If we see a cause and know it to be real, then the effect must also be real. More importantly, if we see an effect and know it to be real, then the cause must also be real. This is a truth, which cannot be violated and cannot fail. It is only its application, which fails, and that is a failure of our selves to understand. Through science and technology, we continue to increase our knowledge and understanding at an ever-increasing pace, and although our accomplishments are impressive, we have failed to understand some of the most basic fundamental happenings around us. Therefore, it seems almost necessary that there exist a deeper, yet clearer reality for the universe that we perceive.

A Unified Vision of the Universe - "Enlightened Mysteries"

In order to develop this new perspective, we must rethink the very basis for the existence of ourselves, and our universe. It must include reasonable and comprehensible explanations for currently unexplained phenomena such as magnetic, gravitational, and nuclear forces; while at the same time, it must be accepted by the more holistic nonscientific human mind. Two different perceptions of our universe: the first, an abstract form called science, and the second, an innate feeling created within the boundaries of our mind. Accordingly, thoughts of reason and their respective descriptions will be presented based on two assumptions: first, the absolute totality of a universal substance; and second, that matter and energy are merely different manifestations of that same universal substance. It is proposed that from this foundation a new level of unified acceptance can be achieved.

The first assumption dictates that everything that exists is made of a single fundamental substance and that this substance completely fills the universe. Temporal descriptions for this substance are meaningless, since these descriptions are merely perceptions within our minds describing variations in the substance. For example, its color is the frequency with which its waves interact with its particles of our eyes, its taste is the chemical interaction between its particles of matter and its particles of our taste buds, its size is that of the universe, and its composition is of itself. However, we must remember that it is just as real as we are, and with that we must be satisfied.



The second assumption dictates that the universal substance possesses the ability for variations of itself, that is, a substance, which can change its form or its density and is fluid in nature. The first law of thermodynamics is the law of conservation of energy. It states that energy cannot be created, nor destroyed, but must always remain the same. An even more basic revelation of this law is the recognition of the existence of energy, and that the total energy present in the universe is a constant. Again, a description for energy is also meaningless, since energy is simply a potential to cause change and is only as real as its ability to exist and as its effects that we perceive. Although neither the universal substance nor the energy of change can be directly perceived, their effects can be heard, felt, and seen. Hence, it must be possible for their own real existence within the heavens, to be understood by our intellectual being, to be visualized by our mental being, and, finally, to be felt within our spiritual being. Instead of using the historical name of aether for the universal substance, from this point on, it will be referred to as the *stellar air*, *stellar winds*, *stellar clouds*, *stellar sea*, *cosmic mist* or *liquid light*.

Imagine a sea of *stellar air* dispersed throughout the universe, filling all the space between the stars and the planets and also being in the stars and the planets. It is as though the heavens are suspended by, and within, the *stellar air*. See waves of all sizes rippling through the *stellar air*, as waves on a quiet

river caused by children skipping rocks across the surface of the water. Look back at the physical bodies of our world and see glowing *liquids of light*, as the limbs of a tree are covered with the beauty of shining ice on the morning after a winter storm. See each of these bodies as ghosts, sparkling with complex patterns of motions within themselves, as millions of phosphorescent balls bouncing wildly in the spaces of a cube or a majestic cloud forming in a summer sky. See them each disturbing the evenness of the *stellar air* as they travel to and fro, just as a boat makes gentle waves of water as it travels across the stilled surface of a morning lake. Imagine all of these things from another world, and let your imagination loose to its limitless possibilities, but mellowed by the realities of our everyday world. With the spirit of inquisition, let's visit the very existence of ourselves, and the world within which we live.



However, before we can begin our journey, we must first rethink the mystery of the weight of our body. Each of us feels the sensation of our body being attracted to our mother Earth. Regardless of where we are on this Earth, how we position ourselves, or whether we work or play, we feel a constant force of considerable proportions tugging within our body and pulling us each towards the Earth. At times the muscles of our legs are barely strong enough to keep our bodies erect. There must be a real, but simple explanation for such a constant and repetitive sensation. It must not violate the rules of cause and effect, and yet must exist in harmony with the other occurrences that we perceive within the world. The cause is a mysterious force invisible to our five senses, but forever acting on each particle within our body. The effects are objects falling freely through the air, but always toward the Earth, and the sensation of a force, acting within our body propelling our inner self toward the Earth. It is as though our body is a dead weight to our soul, our burden of life, on our journey of life through the relentless corridors of earthly time.

The Earth

As we were each born from this Earth, so also was the Earth born from our universe. It had a physical beginning and has grown through many seasons of change, just as we each have, until today it shares a part of its existence with us - two different forms of life having in common a short period of overlapping space and time. During its life, the Earth has developed beautiful mountains and plains, gigantic oceans, and numerous rivers and lakes, while at the same time the forces of nature have been

constantly eroding at their very existence. As the forces of the rain and the wind work to dissolve the mountains and to fill the oceans, there must be an even greater force at work replenishing the Earth with these beautiful creations. Two effects, the weight of our body and the growth of our Earth, and a cause that must be as real as its effects, as simple as its absolute existence, yet hidden by the perceptions of our mind.

*Picture the Earth as a crystalline ball,
glowing and glittering and sparkling so bright.
See deep in its middle, a core that is empty
a dark dreary dungeon, without any light.*

*Its center is growing, increasing in fury,
absorbing black balls, from a molten slurry.
Imagine this cauldron, as froth for new atoms,
just as their source, was the life for our Earth.*

*Imagine small waves, joining together,
producing more balls, but this time of light.
As David and Goliath, the light balls do capture
the dark balls, while making new matter.*

*To make this new matter, stellar air is required,
to come from the Heavens that surround us.
See great stellar winds flowing like rivers,
through a spherical cone, and becoming our Earth.*

*The force of its wind, as it blows through our bodies,
is the weight that we feel of ourselves
As the air that we breathe, as it blows up a storm,
is the force that can push us around.*

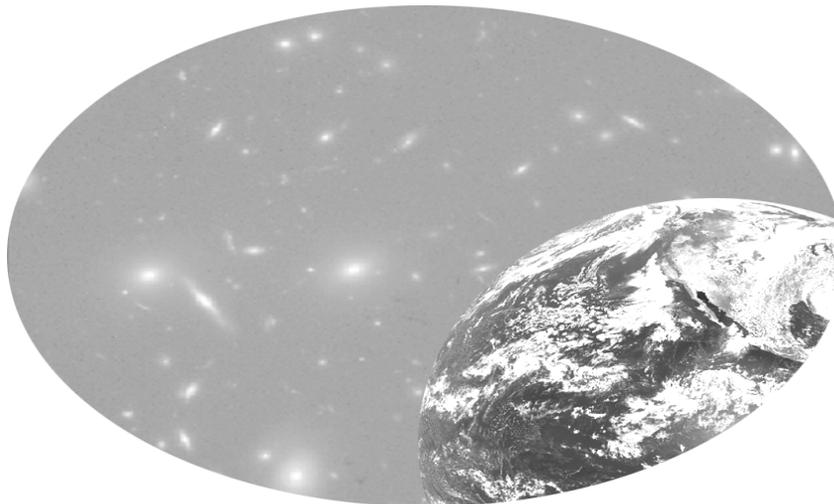
See the physical bodies of the world as crystalline formations formed from glowing balls of *liquid light*. As you walk through the main street of your local city or town, imagine the streets, the storefronts, the signs, and everything that you see as translucent sculptures carved from the beauty of shining ice. It is as though you are traveling through a tunnel of whiteness, and all that you see is glistening like sculptures of ice. See the streets and walkways as sheets of ice as on a frozen mountain-lake. See the storefronts as whitened facades plastered with a mixture of water and ice, the windows as a glaze of frozen water, and the displays behind the windows as glittering sculptures shaped and molded from carvings of ice. See a light pole as a single icicle towering from the streets, and see its wires as silver strands spun from threads of frozen water and gently draped across its arms. See the dirt beside the streets as flakes from a newly fallen snow, the pebbles on the streets as balls of sleet, and the gravel within the streets as diamonds sparkling in the snow. Imagine the living creatures scurrying through the streets as ghosts cast from liquid vapor, and then empowered by an animated light into a sparkling silhouette. If only for a moment, capture a brief glimpse of the real existence of our physical world, as if it were a shining city perched atop a diamond hill, glistening from an all-intrusive lining of semi-translucent ice, and then gently accented by ultra light coverings of frozen sleet and snow.

See each of the forms within this city as complex creations made from billions of glowing balls of *liquid light*. Look inside their majestic forms, and see miniature balls of varying sizes interconnected in myriad loosely packed arrangements. See some fastened rigidly as the legs of a triangle, some able to

A Unified Vision of the Universe - "Enlightened Mysteries"

move and to cause movement as lever arms on a machine, and some moving freely among unknown forces as driftwood floating down an ever-changing stream. See gaping holes within these miniature structures, just as there are spaces between the structural members of an old steel bridge. And finally, see the stellar wind flowing down from the Heavens and into the Earth, as it blows through their perforated forms holding their bodies against their mother Earth. With this vision in your mind, see and feel within yourself the force of the stellar wind blowing through the spaces of your body, just as the forest feels the force of a gentle breeze blowing between, and caressing, the branches of its trees.

It seems at times we get so entrenched in the thought patterns, which are needed to live in our everyday world that it is difficult to accept reasoning, which has little direct application to that world. Other times we seem willing to accept almost any explanation, as long as it fulfills even a small part of our inner needs. Some place in the middle there exists the real world hidden by the limited perceptions of our mind. Just as we can see the trees sway on a windy day or feel the chilling effects of a winter wind, we also can perceive in our mind the realness of the air that we breathe. What is this air and its wind? Is it a perception, which exists solely within our minds, or does it have an existence of its own? Likewise, what is the stellar air - a mere perception or something as real as we are, but hidden by the windows of our mind?



The focusing or bringing together of perception and reality has been for humankind an immensely difficult task. And then, we have added confusion to this task by failing to clearly differentiate between the meanings of the two words. For example, what is real to the magician is but an illusion of perception to the person observing the magician. In this case, the same event is both a part of reality and an illusion of perception. This confusion is then transferred to our other thought processes, as we further confuse reality with perception. We sometimes see strange occurrences which we later convince ourselves never occurred; or vice versa, we may at a later time fabricate an entire event which actually never occurred only to believe in our minds that it actually happened. We as human beings cannot always be sure that the images we perceive are truly representative of the actual occurrence. The only way to resolve this apparent conflict is to dissociate the meanings of the two words within our minds, so that reality is defined in absolute terms only, and perception is then limited to a lesser or partial derivative of that absolute.

It is then the inner development of both of these perspectives, which is required in order to understand the world around us. For example, think of our mind as existing within a shrouded enclosure,

our five senses as differently shaped openings allowing only limited information into that enclosure, and our mental imagery as inner reflections of the messages sent to us from another space and another time. It is as though we are puppets on a string controlled by the complexity of the forces within and around us. From this removed and remote perspective, the things we see and feel are really mental responses to the interaction of our bodies with our immediate surroundings. When seeing an object painted blue, the real world is *stellar waves* smaller than the size of dust, a structure of atoms and molecules reflecting waves the size of blue, and a body with an eye, a mind, and the ability to perceive. Do we really see an object painted blue, or do we perceive an image in our minds from the messages of waves sent through space and time? Two different perspectives of the same event: the first, the inner feeling of our own earthly being, and the second, a remote perspective from the knowledge within our mind of our earthly being.

And what is meant by the phrase "*space and time*"? We can locate any point on Earth or in the Heavens by giving three dimensions the length, width, and height relative to our current location. But if we are asked to locate an airplane in flight, we must ask at what time. So is everything in the universe - the stars in the sky, our Earth and its matter, and the atoms and molecules all in constant motion. It is meaningless to locate a point in space, unless we include the fourth dimension of time, describing the event occurring at that point. Just as distance is a variable and can be described in three dimensions, time is also a variable and can be described as a fourth dimension. Likewise, just as we can be taught to think of space in three dimensions, so also can we be taught to think of space and time in a fourth dimension. At times we attempt to draw images representing these four dimensions; however, this tends to only confuse our perceptions since we are trying to illustrate the fourth dimension of time using a distorted image of the first three dimensions of space. This confusion becomes even more apparent as the meanings for dimension and length are interchanged within our minds. Length is the measurement of distance, whereas dimension is simply the representation of a variable. Just as the first three dimensions of distance represent the variation of space, the fourth dimension of change represents the variation of time. Universal space and time is simply a description for three-dimensional space in motion.

*See the Earth agrowing, expanding in its size,
and its core processing, until the day it dies.
Imagine at its birth, a black ball lit with fire,
as a soul awaiting for a body to admire.*

*See the Earth aglowing, as bright spots do occur,
as tiny floating islands in a sea of burning fire.
See its fire die, as its islands win the fight,
to form a glowing skin, as a ball of liquid light.*

*See the Earth agrowing, expanding in its size,
and its skin distorting, forming patterns in its skies,
See its islands crack and crumble as they drift apart,
forever building new creations, as a work of art.*

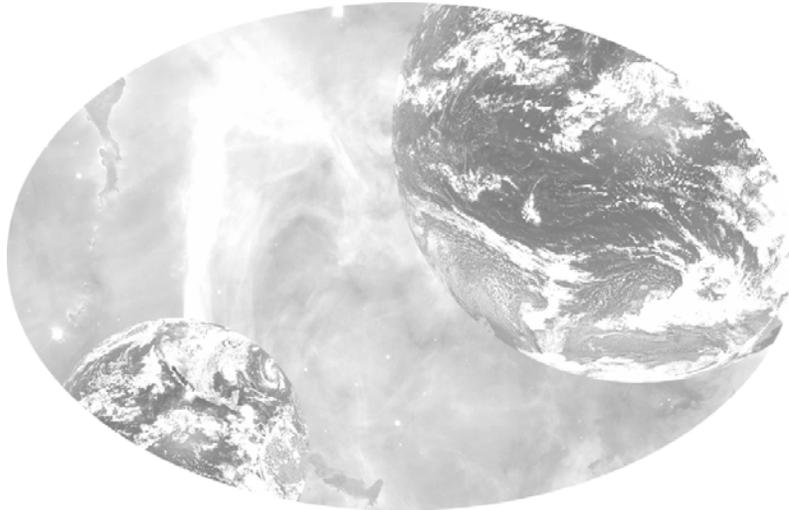
*See the Earth aslowing in the autumn of its age,
adorned with beauty's majesty, for man a living stage.
See its life course altered by ever changing fates,
as it's growing but decaying into other energy states.*

Imagine the entire life of the Earth compacted into a short episode of space and time. Create in your mind a vision of a spark born from the darkness of the universe, growing in size as a ball of fire, and through generations of change developing into the Earth on which we live. Imagine the complexity of the

A Unified Vision of the Universe - "Enlightened Mysteries"

forces at work within the Earth and the multiplicity of changes, which have occurred during the life of the Earth. See seemingly minor changes at an early time develop into glorified creations as the Earth's body continues to unfold. See rivers of stellar air flowing into the Earth, holding the matter of the Earth together, while at the same time feeding the fire of its internal growth. See the body of the Earth continue to grow in size, as its surface constantly changes to fit its newly created size. See the emergence of its lands and its oceans; see its mountains rise from the distortions of its lands; see its rivers build roadways from its mountains to its lakes; and see its rolling hills carved by its winds and its waters on its lands. See this as a vision of space and time, an inner movie of the imagination, shown in accelerated time.

Visit this land called Earth, and see its true existence as a palace made of crystal. See its plains and its valleys as sheets of shimmering glass and a floor for us to stand upon. See its mountains as snow-covered glaciers forming walls for us to gaze upon. See its trees as inverted chandeliers, its grass as rigid strands of silk, and its fields of wheat and rye as cloaks of white satin covering its naked lands. See its flowers as delicate laces assembled from snowflakes, its grassy knolls as spindles of cotton, and its horizons as crystal protrusions beckoning the skies. See its rivers and its oceans as crystalline pools of beads and pearls, its vapors as miniature silver balloons jittering through its skies, and its clouds as luminous shadows floating in its skies. See its cities as edifices of ice, its highways as pavements of silver gold, and its living creatures as ghosts transposed from another land. See the Earth as a fragile sphere of crystal, its mountains and valleys etched from its surface by the forces of time, its life forms individually hand-carved from pieces of ivory, and it all gently wrapped in a glowing halo from Heaven.



As the Earth continues to expand and to grow, other forces are at work erasing these footprints of history from the Earth. They are usually considered to be forces of decay, and can be thought of as the processes of energy transformation, or the physical change of energy from one form to another. In contrast, the forms of creation are highly integrated forces, which at times seemly transcend the laws of physics. However, according to contemporary physics, both forms of energy transformations must occur within the two laws of thermodynamics, or what could be more appropriately called the two laws of energy change. The first law was the law of conservation of energy as previously discussed and fixes the

total amount of energy present in the universe to an absolute level. The second law is the law of entropy. It states that all energy transformations must proceed toward a more even distribution of energy.

For example, pile salt in the middle of a saucer and then shake the saucer. The salt will more evenly distribute itself across the bottom of the saucer. Regardless of how long you continue shaking the saucer, the salt will never pile up again in the center of the saucer. Likewise, the energy of the universe is on a one-way course toward a more even distribution throughout the universe. However, this law seems to contradict some of the more common, everyday energy transformations presently occurring on the surface of the Earth. For example, air pressure variations cause water vapor to condense in the air and fall to the Earth as rain; gravity causes the rain to flow into the rivers, lakes, and oceans; and the sun's heat evaporates the water back into the air as water vapor. This recurring cycle, composed of three nonreversible energy changes, will continue for as long as the sun, the water, and the Earth continue to exist in their present form. However, it is still a cycle driven by the process of entropy, since the changes occurring at the surface of the sun and in the center of the Earth are each progressing on their own nonreversible course toward a more even distribution of energy throughout the universe. It is proposed that entropy is likewise but one step in an even greater, universal, recurring cycle, and that furthermore, it is the direction of this cycle, which defines the direction of time.

The Universe

If we are to ever truly understand this energy-dynamic universe, and hence get a glimpse of its true reality, we must learn to divorce the perceptions created within our minds from their absolute existence. We must transcend the five senses of our minds and enter the sixth sense within our minds. We must discard the notions of mass, temperature, touch, color, sound, and the other definitions of our physical world; and instead visualize the various energy formations found within the universal world. The basic techniques required to accomplish this task are simply three; that is, first by imagining two phases of energy, the *stellar air* and the *liquid light*; second, by imagining two shades of energy, the light and the dark; and third, by imagining two motions of energy, flow and spin. By utilizing these fundamental descriptions, mental pictures of all the energy formations within the universe can be drawn, including both the objects of our physical world and the forces of the heavenly world. There are then three numerical methods for quantifying the size or intensity of each of these energy formations. They are pressure or density, velocity or flow, and angular momentum or spin.

Pressure energy is simply a differential in density between any two points in the stellar air. At the lower end of the pressure scale is the energy of darkness. Just as it takes energy to remove air from a bell jar, so does it also take energy to create holes in the stellar air! Midway in the pressure scale is the energy of lightness. Just as waves on the ocean can be seen in height, so also can stellar waves be seen as various shades of darkness and brightness! The upper end of the pressure scale represents the energy of liquid light. Just as oxygen can be compressed into a liquid gas, so also can stellar air be compressed into liquid light! Therefore, within the boundaries of the energy of pressure, both phases as well as both shades of energy are described.

The only remaining descriptions are the two motions of energy, flow, and spin; and they can be seen to exist at any point along the pressure scale. That is, the energy of darkness can flow or can spin; the energy of the *stellar air* can flow or can spin; and the energy of the *liquid light* can flow or can spin. The energy of flow is measured in terms of velocity and the energy of spin is measured in terms of angular momentum. There is one special form of angular momentum, which requires an individual description. That is when one object revolves around another object as the Earth orbits the Sun. This form of energy is actually a unique combination of both flow and spin. Also, additional minor variations in the structures of energy formations can be visualized by adding words such as jiggle or wobble to each of our descriptions. By combining these basic descriptions, all of the energy formations within the universe can be seen – that is, a view of matter not as mass, nor of energy as an invisible force, but instead as a unified perspective of the universe.

A Unified Vision of the Universe - "Enlightened Mysteries"

*See a heavenly ocean afloat in our skies,
very great and immense, as of infinite size.
A world of beauty and eternity time,
and a haven for life of another kind.*

*See a dark storm abrewing, deep in its center,
two energy forms opposing each other.
A struggle of life, to establish what's right,
and to forever control the dark and the light.*

*See an emptiness center, surrounded by light,
and its sudden explosion into a showering flight.
As millions of balls fight for their lives,
for their food of existence, in the stellar skies.*

*Some grow glowing skin so incredibly fast,
that nothing escapes, and a shadow is cast.
Others slow down and let their light shine,
while others speed on 'til the end of their time.*

*See more millions of balls, except smaller in size,
as the life for our Earth and the stars in our skies.
See its splendor and glory, and its beauty unfold,
as the story of life in the Heavens is told.*

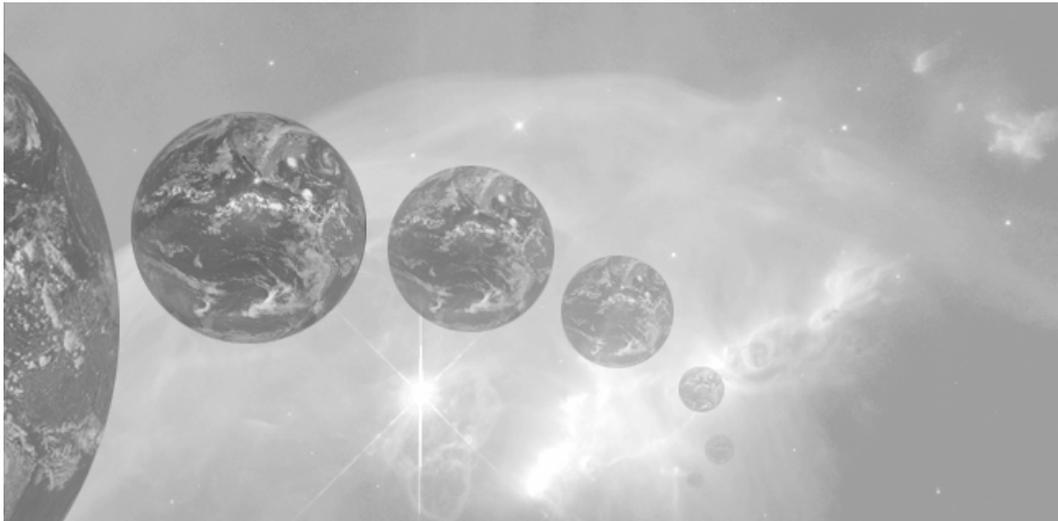
If you are to hear this story, you must be a curious soul and have in your possession an open and imagining mind. Awake as from a sleepless night and stroll from the harshness of your earthly dreams, to ponder and reflect upon the true nature of the world that surrounds you. Believe not that the world you perceive is the only world, but only your present world. Leave the confines of your earthly dwelling and board the spaceship of imagination on a journey of enlightened images throughout the Heavens. Instead of the emptiness and the darkness of space, behold in your midst an endless ocean of *stellar light*, an eternal sea of space and time larger than the limits of your human mind. See its dimensions as differing shades of darkness and lightness intermingled with harmonic motions of droplets of light, and its firmaments as billions of holes encased within crystal and sprinkled throughout its glowing halo of light. See its liquid energy leaping and splashing about as it plays melodies of science on its heavenly lute. Hear these songs as minstrels of history sung by a heavenly choir to the universal amphitheater of spiritual life.

Alongside this Heavenly choir, see a Heavenly cast performing with splendor their choreographed show from the unwritten pages of the script of eternal life. See each of these performers display his wares as projections upon a domed stage of Heavenly mist. Look about you and see the majesty of the universal suns radiating their waves through the *stellar sea*, as they create myriad spherical patterns interlaced with echoes from their celestial friends. See the galaxies as crystalline snowflakes tumbling ever so gently through a transparent fog of luminous light, and see their stars appearing and disappearing as magical flashes of sparkling light, adding to it the dimension of celestial life. See some stars so small that if they stood in the place of our sun they would be but a pinpoint in our sky, and see others so large that they would appear as a silver and gold rainbow stretching halfway across the sky. See the most intense stars growing so fast they cast a shadow of darkness throughout the sky, and see yet other stars circling in pairs and pulsating as if their bodies, were a stellar heart. See some stars as only made of darkness, or still others as only glittering mists of light, but see all of the stars magically suspended within the universal ball of the energy of light.

A Unified Vision of the Universe - "Enlightened Mysteries"

See both the galaxies and the stars born from the energy of the Heavens just as a hurricane is born from the energy of our winds. See their bodies as three-dimensional whirlwinds spinning a web of *liquid light* as they effortlessly hover in the sky. See the *stellar air* flowing out of the Heavens and into the stars, as it is magically transformed into *liquid light* and becomes the bodies of the stars. See each star grow from its birth into a superstar and then, in a giant flash, instantly transform into a miniature white dwarf as its energy returns into the Heavens from whence it came. Peer into one of the stars and see its core of darkness engulfed by a boiling ocean of molten light; then see within this ocean, swirling waves transforming light into matter as effervescent bubbles and vertical plumes emanate from eruptions deep within the star.

See the space surrounding each star as a three-dimensional checkerboard, alternately glittering and sparkling in the various shades of silvery charcoal and bright silver-gray. See these patterns as fingerprints of the stars, as though each star clothed itself in its own kaleidoscope of style. See the stars forever changing these garments of glitter as they reflect the life within the star. See high above the stars, the stellar air standing almost still as it provides yet another home for life within the Heavens; and see living souls born into the Heavens as spirit-filled balloons rising to meet the stars. See the energy of the Heavens and the energy of stars dancing together, as if the universe itself were alive.



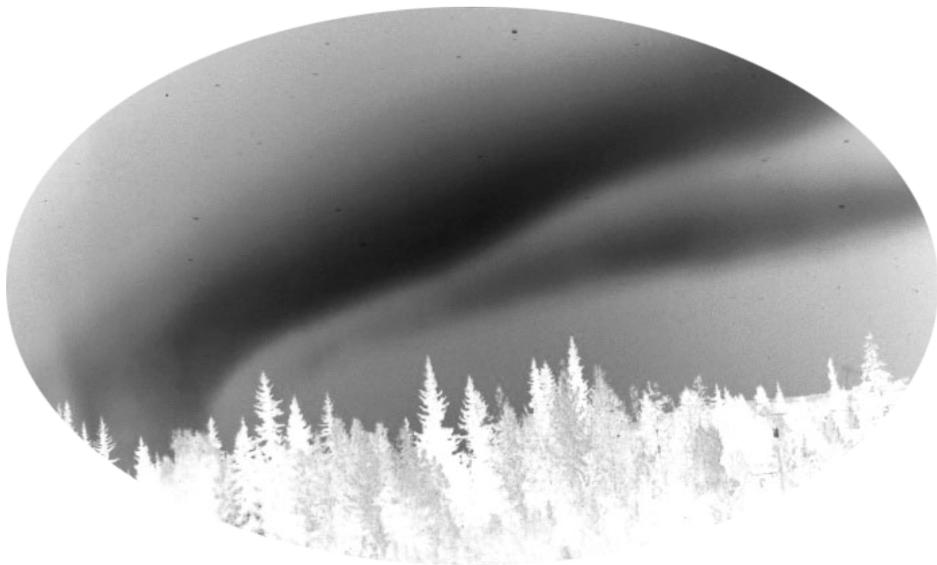
Since the total amount of energy in the universe is constant, all change within the universe is neither the creation nor the destruction of energy, but simply a rearrangement of the distribution of energy. The process of entropy dictates that the universe shall continue to change until all energy is evenly distributed throughout the universe; that is, energy captured in a structure without change. However, this seems to be a conflict of words, since energy was described as the potential to cause change. It would therefore seem necessary to expect either a limit to the process of entropy or to develop a concept in which the energy of the universe changes in a never-ending cycle. In order to accomplish either of these goals, a better understanding of energy transformations must be developed. Energy transformations, by definition, are the natural or supernatural changes, which occur to the various structures or formations of energy. They can be visualized as mechanical processes and are controlled both by the law of conservation of energy, and the law of entropy. That is, any time a change occurs, not only must the total amount of energy be conserved, but also each of the three types of energy must be conserved. This rule is best summarized by the scientific adage, "for every action there is an equal but opposite reaction." In addition and according to the law of entropy, the change can only occur as long as the end result is a greater dispersion of energy

A Unified Vision of the Universe - "Enlightened Mysteries"

throughout the universe. It is these limitations, which govern the formation and transformations of matter and energy, and therefore, the course of life within the universe.

Before an attempt is made to piece together a possible life for the universe, some basic definitions should be reviewed. First, the effective universe is that area of space filled with the *stellar air* and with the matter of our physical world. Since beyond this there is nothing, there is no reason to discuss its existence or nonexistence. Also, the total amount of energy in the universe is constant and exists solely within the boundaries of this finite universe. The size of the universe could either be contracting, remaining the same, or expanding. If the universe were contracting, one would expect the energy of the Heavens, the *stellar air*, to be transformed or compressed into the energy of matter, the *liquid light*. If the size of the universe were constant, then one would expect either energy transformations to occur in both directions or for no energy transformations to occur at all. If the universe were expanding, one would expect the energy of matter, the *liquid light*, to be transformed or released into the energy of the Heavens, the *stellar air*. There are many examples of the latter case, such as a light bulb producing light waves, or the energy released by a nuclear reaction. But then, how can one explain a beginning and an ending to a continuously expanding cycle, and does this expansion cycle continue forever or must there not be a limit to that process?

Think instead of a universe made of two worlds; that is, the Heavens fashioned from the energy of the *stellar air* and the physical world fashioned from the energy of *liquid light*. Think of the heavenly world as maintaining a constant size and its energy transformations occurring in both directions. The previous examples illustrate the energy of matter changing into the *stellar air*, and the birth of a star or a planet is an example of the energy of the *stellar air* changing into *liquid light*. Then think of the physical world as another world, distributed within and throughout the heavenly world and constantly expanding in size, thereby establishing the effect of entropy and the direction of time. From our limited perspective within the physical world, only the dissolution of energy into the stellar air would be easily seen.



Imagine yourself in another space and another time, at the center of the beginning of time. See your self, surrounded by oceans of *stellar light* and see the Heavens move in perfect motions as multitudes of voices singing songs in perfect harmony. See darkness growing about you as inconspicuous as other areas of darkness within the Heavens, but as unique as your position in space and time. It is as though

this moment were chosen from the seas of eternity to fulfill the destiny of eternity itself. A moment in time, engulfed by its own existence and growing in the dimensions of its own brief time, until it transforms the energy of the universal light into an accelerating explosion of newly-formed life. With a unique yet personal inquisition, you have just witnessed the birth of the first stars within the universe, their short-lived existence, and their subsequent explosion into billions of more stars as the beginning of the physical world. A spherical wave of subtle darkness growing from its seemingly insignificant size, until it transforms into billions of balls of darkness speeding outward through the *universal ball of light*. And then, as each of these stars journeyed outward through the *universal ball of light*, you saw them explode in a heavenly cadence into glorious bursts of newly formed life as they were transformed into the galaxies within the Heavens, and then the stars within the galaxies. It is as though the entire universe were resting in the palm of your hands, as real as a glowing crystal but as illusive as a soft and gentle halo of light, and within it you saw miniature cascading explosions of darkness turn into fire and become light.

See a heavenly rain of fire coating the physical world with a crust of *liquid light*. And upon this crust of crystal, see the histories of our Earth and our lives inscribed by the laws of physics and written in the language of science. See our futures written within the seas of the Heavens by the laws of eternity in a language that can only be found within our hearts. See our physical world travel outward through this heavenly ocean of *stellar light*, while its liquid body dissolves back into the stellar vapor of *aethereal light*. As it approaches the farthest edges of the heavens, its rate of decay accelerates until the matter of substance is gone and the energy of darkness disappears outside the universal world of space and time. However, since it is the energy of nothing, not only can it travel through space and time to nowhere, but it can also be recreated in an instant at a distant location from nothing. Could it be that as the energy of darkness journeys outward through the *universal ball of light* and leaves the confines of the Heavens that another point in space and time is chosen to fulfill the eternal destiny of life and time?

It was then the instructions for the universe that were holistically present at the center of the universe, at the beginning of creation and at the beginning of time, and not necessarily the substance, which was instead distributed throughout the universe. As the present physical universe with its self-contained instruction set expands throughout heavens, a new instruction set is being developed at its center for the next cycle of universal creation.

The Cosmos

For many years there has been a philosophical discussion, especially for those within the scientific community, concerning the potential existence of a supernatural substance (*i.e., aether*) in the vast open spaces of the universe. It is readily accepted that energy travels from the sun to our Earth in the form of light waves and heat waves, and also that we can send radio signals to space vehicles traveling through space. It is also recognized that the only difference between these various communications signals and the sun's natural heat and light waves, is frequency or size of the wave. However, since there has been no previous theory, which could establish a common basis for developing comprehensive answers to these mysteries, the existence of this substance has been seriously doubted.

Adding to these concerns are the somewhat confusing characteristics of light. That is, light sometimes has characteristics which resemble a wave such as a radio signal or a heat wave; while at other times its characteristics are similar to those of a particle, such as an x-ray or gamma ray. This confusion can even be seen in the descriptions we have given light. For example, we refer to light as light waves as well as light rays and have given the name photon to each of the individual waves of light, as though each wave was a separate particle of light. Referring back to the descriptions given for the various shades and phases of energy, could it be that light is merely a single point on that continuous spectrum of energy? Could it be that as spin and velocity are added to the energy of lightness and darkness, a new dimension of energy formed? Could it be that light is merely the boundary for this new dimension, and that on one side is the energy of waves and on the other side is the energy of the particles of liquid light?

A Unified Vision of the Universe - "Enlightened Mysteries"

*Look at the air, at a sky of the day;
see space colored blue, as a water-filled bay.
Look toward the Heavens, at a sky of the night;
see a blanket of black, but sparkling with light.*

*Look into your mind, and see heavenly oceans
of space made alive with eternal motions.
See great stellar waves speeding through time,
and waves standing still, so meek and sublime.*

*See radio waves, as big as a mountain;
the sun's light waves appear as a bubbly fountain.
See crisscrossing patterns filling the skies,
as stacked figure eight's, all different in size.*

*See video waves that you hold in your hands,
and the sun's heat waves are sized, as the desert sands.
But when you imagine a wave that's too small,
a new creation occurs, a bright glowing ball.*



If we are to see these bright glowing balls, we must embark upon the next leg of our journey, the transformation from the world of the infinitely large toward the realm of the infinitely small. As we begin, we see subtle variations in the brightness of the stellar sea as spherical halos, some dark and some light, floating in a *crystal sea*. They appear as glowing spheres of soft light, marching in rank and file, half black and half white, throughout their cosmic sea. Suddenly, one befriends us, instantly appearing as a point of bright light, first spiraling outward as a halo of light and then spiraling backwards to another point of bright light. Rebounding from the force of its light, we continue onward through the choppy waves in the *crystal sea*.

We then zoom on in our Milky Way Galaxy and see a preponderance of snowflakes as in a spiraling wintertime storm. The smallest dimensions are snowflakes, and when visually interconnected they form mirrored images of larger snowflakes, and when further interconnected even greater images of even greater snowflakes - an overlapping and delicately inter-tangled fractal such that each snowflake is an image of a million snowflakes. And then we see this menagerie of snowflakes gently hung within a preponderance of echoing bubbles constructed from transparent, yet visible, light. Next, we zoom in on our sun, and to our astonishment, see a jiggling and quivering body, which is magically spewing spherical balls of liquefied fire and blasting our skies with tracers of light. These bright flashes appear collectively jittering as winds, made from sparks, and are leaping yet splashing outward through the sunlit halo of simmering mist. The brilliance of the solar wind pierces the softness of the *stellar wind* as these sparklets of crystal emanate in radial patterns against the in-flowing *universal mist*.

We now continue our journey towards our earthly home, where we see the glowing spheres becoming smaller and brighter, still spiraling inward and outward as they pulsate through their cosmic sea. As waves on our ocean, they rise up from the forces within the stellar sea, grow and diminish, and collide with the shores of our Earth, just as waves on the ocean collide with the shores of our lands. And finally, with visual surprise we see others as ghosting white sands penetrating our hands, as we feel their radiant warmth gently grow within the skin of our body.

The Atomic World

A Unified Vision of the Universe - "Enlightened Mysteries"

The dilemma caused by the confusing characteristics of light is then solved, by the bringing together of the description used for waves and particles. That is, they are both products of the *stellar air* and are only different by their relative energy forms. The simplest form, the *stellar waves*, exists in many sizes from very much larger than our Earth to very much smaller than a speck of dust. When spin and velocity are added to the smallest of waves, the energy of pressure becomes particles of *liquid light*, and their opposites become antiparticles or holes within the *liquid light*. At point where the waves and the particles meet, the photon or light wave is created. (*For a more complete understanding of the forces at work within waves and particles, please see the attached paper for organizing and charting nuclear particles.*) These four basic forms of energy - stellar waves, light waves, antiparticles, and particles of *liquid light* - represent the fundamental forms of energy found within the Heavens.

*See a ball of liquid light, as a pinpoint in the sky,
shining very brightly like the twinkle of an eye.
See its birth and death, as points in space and time,
and its life between, as a drawing in the sky.*

*See it wandering through the Heavens, as a roaming star,
and gentle waves rippling outward from its trip afar.
See it growing fragile wings, as a butterfly,
or the petals of a rose, as a picture in the sky.*

*See it speeding through the Heavens, as a streak of light,
or as a falling star, in the dark sky of the night.
See it form an image, as a mountain standing high,
suspended in the Heavens, as a sculpture in the sky.*

As we continue our journey into the realm of the infinitely small, we see miniature waves of misty light magically transform into spinning droplets interspersed between halos of light. We see them formed from the energy of the Heavens just as a droplet of rain is formed from the energy of the clouds in our skies. We see the energy of pressure compressed into a tiny wave of *eclectic light*, set into a spinning rotation as a ball of *liquid light* and then hurled through the cosmos at the speed of light. They appear as miniature three-dimensional hurricanes, half-dark and half-bright, pulsating within their cosmic sea. As we complete our transformation into the domain of the twinkling lights, the subtle waves can no longer be seen, but are instead replaced by a choreographed dance of micro-miniature balls of *liquefied light*.

We watch this eclectic dance with amazement, as tiny balls of liquid light slip serendipitously through hollowed rings of seething fire. We see one flauntingly don this gown of fire as a halo satin negligee. It stands admiringly within a hall of mirrors and dances collectively among its peers to group induced fantasies of holographic lights. We see them grasp with eternal hands, waltz to spiritual bands, twirl in ecliptic flights, and prance to psychedelic flashes of lights. We see their footsteps as fainthearted echoes spiraling through the essence of time, as they magically perform their transcendental dance of "Enlightened Mysteries" upon and within the universal stage of the *cosmic mist*.

It is simply "*simplicity*", which is an inherent property of most happenings when there is a more, complete understanding. For example, all of the various substances found on the Earth are made from approximately one hundred different elements. Originally, it was thought that each element was comprised of a nucleus and a cloud of electrons; however, as we expanded our knowledge, we added protons and neutrons along with the electrons to be the three basic building blocks of matter. But then no one could explain how protons could remain so close together within the nucleus of an atom so new particles were devised, named gluons, to hold the nucleus together. Then from the physics labs their opposites-antiprotons, anti-electrons, antineutrons and new particles mesons, pi mesons, and neutrinos

were created. Then to explain gravity, gravitons were devised; and to explain the forces within the atom; quarks, strangeness, and red, blue and green color quarks were introduced.

Could it be that the atom is much simpler, as originally considered, and that instead of discovering new particles within the atom, we are actually creating these particles from the energy contained within the atom? Could it be that the nucleus is actually a simple structure representing a composite of protons and neutrons and that its outside shell of electrons is merely the reflection of that structure? And finally, could it be that the form of an atom resembles that of a bubble, with its composite structure formed from the energy of *liquid light*?

*Imagine an atom as a ball glowing bright,
a hard hollow ball with soft shells of light.
There are billions of each, of identical twins,
only to be different, by their shapes and their spins.*

*And their forms are so many, as opposites join,
as too much and too little simply combine.
Or as billions of many form complex arrangements,
like the forms of our world, creations so fine.*

We now begin the final leg of our journey from the realm of the infinitely small, back to the estranged realities of our everyday home. The balls of *liquid light* fade away into the distance, and as we turn to look away, we see bubbles of *liquid light* appearing on the opposite horizon. Some are vibrating and some are floating, while others are simply meandering through their micro-miniature sea. The largest appear as a crystal ball and the smallest appear as a crystalline pea, with each having multiple reflections as if they were in a hall of mirrors. Some have spinning tentacles and appear as floating mines hovering in a *stellar sea*, while others appear as glass-blown sculptures reflecting the sea. With the radiance of light, they reach out with their magical hands and embrace, as crystalline snowmen and interlocked tripods inter-mingling their hands. See multitudes of atoms telescoping away as they are visually transformed into silvery strands and glowing crystals of webs of light.

Our Homes within Ourselves

We now must say our farewells, as we each make our final journey to our homes within ourselves. We see the fibers of our muscles as atoms spun into threads of silver, and see tissue as phosphorescent fabrics woven from these various strands of silvery light. Our skin appears as tinselled blankets saturated with silvery fluids and lined with a cotton candy coating of translucent light. Muscles are seen as telescoping fibers empowered by the energy of light, cartilage as plastic pads glowing with light, and tendons as glass-fiber cords braided from light. Our lungs appear as garments of silk stuffed with woolen knittings of luminous yam, and our heart as rubberized tweeds of transparent nylon and dacron. Our veins appear as stretchable sheaths of elastic glass, and our kidneys as double-knit fabrics filtering pebbles of crystal from glittering, spring waters, - the rivers of life. Proteins appear as spiraling ribbons constructed from timbers of glassware; bacteria as chrome-plated robots or machines made from glass; cells as aquatic factories producing crystalline ice flakes, the nutrients of life; and salts and minerals as purified gems of emerald and jasper, dazzling adornments within this tapestry of life.

Arriving home we contemplate our strange experiences. We have seen a unique similarity or oneness, which exist within the universe. That is, each of its happenings is a unique combination of the three basic types of energy: pressure, velocity, and angular momentum. Also, they each can be described by the two shades of energy, the dark and the light; the two phases of energy, the *stellar air* and the *liquid*

light; and the two motions of energy, flow and spin. Radio waves and heat waves were waves of pressure riding within the stellar air and traveling through the Heavens. Light rays were spherical waves of pressure spinning their way through the Heavens, and the illusion of color was the size of the wave. X-rays and gamma rays were miniature balls of liquid light speeding through the Heavens. Atoms were bubbles of energy made from the energies of the dark and the light, and molecules were structures of bubbles of liquid light. Gravity was the pressure of the flowing stellar air pushing against the bubbles of liquid light. When all of the bubbles of a substance were rigidly interconnected, it was a solid; when they were torn apart by their inner vibrations, it was a liquid; and when they accelerated beyond the pressure of gravity, they floated free to become a gas.

Although these descriptions are different from those normally used to describe the world around us, they are in fact similar to the ones used almost daily to describe the less tangible forces of our everyday world. For instance, we think of the air pressure in an inflated balloon and the water pressure deep within the sea; we monitor the speed of our airplanes and our automobiles; we watch our children watching their toy tops spinning; and we visualize the earth orbiting the sun. It is then these same descriptions, which describe not only our everyday world, but also the macros and the micros of the universal world.



For example, see electricity as *liquid light* flowing along the surface of the atoms within a wire, and see static electricity and lightning as pulsating streaks of *liquid light*. See magnetism and electromagnetism as circular distortions within the *stellar air*, and see the forces of cohesion as aberrations within the *stellar air* as it flows from one substance to another. See the atoms in the filaments of a light bulb oscillate violently and cause waves in the *stellar air*, just as the oars of a boat make waves in the water. See an electrical motor spinning from the *stellar winds*, just as the blades of a windmill turn, from the winds from the air of the lands. See a computer as a giant abacus, operated by liquid levers and liquid gates, and its electronic logic as *liquid light* flowing through a maze of metal roadways, just as water flows through a maze of dikes.

See our radio and television broadcasting towers as structures of glowing balls of *liquid light*; and at their summit, see crystalline wands transforming harmonic vibrations into spherical waves, rippling outward through the *stellar sea*. See each of these waves as spherical halos, sized ten feet across and

A Unified Vision of the Universe - "Enlightened Mysteries"

speeding outward through the *stellar air* toward each of our homes at the speed of light. See your television antenna as a skeletal framework of cylindrical art, and see its bubbles of *liquid light* resonating in unison from the impact of the *stellar waves*, just as the strings of a guitar vibrate from the impact of the guitar player's hand. See streams of *liquid light* flow back and forth through channels of wires from the antenna to the insides of your television, a mechanical box. See them funneled and guided through walls and gates in complex patterns as they grow and are shaped. See shining bubbles, in the shape of a cone, vibrate from the force of the stellar winds and cause waves to ride through the air to the sense of our ear, so we can hear our mechanical contraption. See a stream of *liquid light* colliding in violent explosions with coatings of frost, and see spherical waves ride through the stellar air to the sense of our eye, so we can see our mechanical contraption.



By extending these descriptions to ourselves, we begin to understand that our own touch, taste, and smell are mere mental representations of the pressure of the atoms of the universe pushing against the atoms of our bodies, that sound is the mere mental manifestation of pressure waves traveling through the atoms of the air and transferred into the atoms of our ears, and that vision is a mere mental illusion created within our minds from the pressure of *stellar waves* pushing against the atoms of our eyes.

From our limited perspective within the universe, most of us tend to see only the individuality or superficiality of the events just described, and tend to miss the underlying importance of their shared similarities and oneness. The universe is actually comprised of both individuality and wholeness, and with all of its separately functioning bodies interrelated and dependent upon one another. It is this difference in perception, which accounts for our difficulties in understanding reality. The universe is a paradox within itself, seemingly infinite in size when comprehended by the finite man, but actually a finite size, which is instead filled with a near infinite variation of perception.

We can better understand this paradox by illustrating two different perspectives of the universe. In the first case, we as human beings are limited to where we can go in this four-dimensional space and time by the maximum speed of our bodies. If a friend needs our help in exactly one hour, but is located on the other side of the earth, it would be impossible for us to go to his aid. Without our help the event that occurs may be very unfortunate to him, but it is beyond our ability to be there. Likewise, if our friend is

located on a distant planet and needs our advice in exactly one second, it would even be impossible for us to send him a message of help because of the limited speed of light. The limited speed of light becomes the glue of the energy of the universe. Since we are fashioned from that energy, the maximum rate at which we can travel through the universe and maintain our physical form is a critical limit to our access of the unfolding history of the universe.

We sometimes fantasize that we can travel backwards in time; however, this would require the exact reversal of change, which has already occurred, and a feat, which even the most advanced machine would find impossible. As previously discussed, time is simply a method of measuring the rate of change within the universe. However, just as a jogger can run faster in the air than a swimmer can swim in the water, the motions of energy also vary their speeds because of the variations in the density of the *stellar air*. Therefore, the speed of energy within the universe, or time itself, can speed up or slow down. Also, since our clocks are made of mechanical motions, which are just another form of energy within the *stellar air*, they too can speed up or slow down. However, in no case can the motions of energy within the heavens be reversed in time. Therefore, our only hope to visit our friends from a bygone era is to meet again in another space and another time, where we have each learned to live in the eternity of our own time.

Contrasting with this massiveness of the universe and our limited ability to control our destiny in it, is the smallness of the subatomic world and the almost unlimited information available in it. If we could freeze all of the motion within the universe, and therefore stop time for just a brief moment, we could visualize the fixed dispersion of the *stellar air* and the *liquid light* within the Heavens. Each point in space would be different from every other point in space only by its relative density and form. By comparing adjacent points in space to a common point, composite descriptions for a larger scope of the universe could be devised. This is, in fact, what happens as we extend our limited perception of the universe to the entirety of the universe.

For example, if you are in the middle of a room, the area of space occupied by the retina of your eye contains much of the information necessary to describe most of the other objects existing within the room. The portion of the room perceived by the eye is only dependent upon which direction the eye is oriented. It is as though microscopic images of the inside of the room can be found at any point in the room; and that as the point of perception is moved, the apparent image gradually changes detail, representing the various perspectives of the room. A seemingly infinite amount of information is contained in each of the almost infinite images, but all of the images, combine to form a single continuum of energy within the room. Furthermore, within this single continuum exist not only the images formed from light waves, but also the images formed from the entire wave spectrum. It is then the complex interaction of these various forces within this single continuum of energy, with the particles of our physical world, which determines the force to be perceived.

When viewing the universe from this perspective, the oneness or unity of the universe is much more apparent. For example, if an object, such as a chair, was placed in the room previously described. Then not only would the space occupied by the chair be altered, but also the entire space within the room would be altered, since each of the almost infinite images within the room are now changed to include the image of the chair. Furthermore, if the object chosen were made of metal and the perspective chosen were radio waves, then the radio images outside of the room would also be altered. Just like the stars, all material objects (including our own bodies) are surrounded by an aura of reflected and self-generated energy from the entire wave spectrum.

This unique unity within the universe is an inherent part of the universe, and any change occurring within the universe will automatically become a part of the rest of the universe. Carrying this perspective one more step, if a point of view is chosen in the remoteness of outer space, images of the entire universe and its corresponding descriptions could be envisioned. However, in this case the images would represent a much more limited, and therefore distorted perception of the universe, since the image produced is a composite of many different events at many different times, and is only a partial glimpse of the true reality of the universe. However, from this single point a limited perspective of the entire universe could be devised; and by comparing additional points at various times, this limited perspective could be expanded to more closely approach the true reality of the universe. This is the task the study of science

A Unified Vision of the Universe - "Enlightened Mysteries"

has undertaken, an almost endless task since each time an event is perceived, the perception itself simultaneously alters the event being perceived.

It is the goal of science, and rightly should be, to develop a perspective of the universe upon which we can build our society. However, since science is the study of partial events it alone can never totally describe the entire event. This is not an inherent weakness in science itself, but instead a limitation to the scope of science. It is only by combining the study of science with the other aspects of our total being, that we can hope to arrive at a true perception of the universe. It therefore requires a higher step of individual awareness and individual acceptance to determine the appropriateness of the perceptions presented. These perceptions are therefore submitted to the scrutiny of each person's individual knowledge and understanding, realizing that only when everyone is bound in a common agreement can we be reasonably sure that we have developed a true perception of the universe.

The preceding is a revised and updated excerpt from Chapter 1 "*Enlightened Mysteries*" from the book titled "*Perceptions – A Symphony of Words*". ©1992-2008 WR Hohenberger - All rights reserved

