

Further Understanding Reality

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Introduction

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This most recent addition briefly summarizes my theory of our existence as energy in energy, not 'solid matter' in illusory 'space' and attempts to simplify it for non-scientists. It then extends that theory to the world around us, and to the understanding of what possibly extends beyond.

The Wrong View: A 'Box of Space'

Sit comfortably in your living room and look about you; obviously you exist in a 'box of space'. Extend that view to the limits of the universe –an immense 'box of space'. But what lies beyond the boundaries of that universe –warning signs? The average man perceives a larger box yet –a box of infinity. The knowledgeable scientist can assure you 'space is curved' –he doesn't know the actual shape of the 'cosmic box', just that you're inside it while it has no 'outside' –except maybe infinity. Science doesn't know how it began, how it continues to exist, how we move about in it, how or why it's expanding, and there's a few niggling questions –like gravity. All of mankind's knowledge, his understanding of reality, and his science, is based on the 'indisputable' fact he exists in a three dimensional 'box of space'. He couldn't be more wrong! One man set out to unravel mysteries inherent in this view –but complicated things even further: Now it's four dimensions –three of mistaken 'space' combined with a fourth unknown –time –in a concoction of 4D space time. Great modern minds battle -flexing massive mental muscles of 'genius' and clashing sesquipedalian swords. Never has such a simple concept been so overblown, yet the majority of basic scientific questions –space, time, reality, gravity, entropy, mass, matter, momentum, the quantum realm with all its 'spookiness' and its' relation to astrophysics, remain a mystery. Ancient mystic man could tell us our reality is an illusion [Platos' cave of shadows] and we live in the 'constant now' of time. Leaving the 'mystic' aside, scientifically speaking –he was totally right! I'm waiting for someone who professes to understand space time to explain it to the rest of us simply –and logically –or even 'time' for that matter. Meanwhile if you would care to expend the effort, I present my explanation for every one of those scientific mysteries in a manner you can readily understand –no goofy 'fourth dimension' thought required. This has very little to do with science, although a minimal level of knowledge does help. It does however have everything to do with perspective –how you see the reality you're in. We believe the world is 'round' –not 'flat' –yet we still think like primitives. It's exactly like those 'flat' pictures that were popular 25 years ago, in which, if you 'screwed up' your eyes in just the right manner, you suddenly saw 3D creatures floating in 'space' in front of you. Like seeing those critters, I assure you, once you mentally see this, you will never 'un-see' it. You will enter a whole new level of human development -be among the first. Does this sound 'crazy'? "And those who were seen dancing were thought to be insane by those who couldn't hear the music." {Nietzsche} I understand reality, gravity, and the quantum realm as easily as you understand your cell phone -you can too.

The Wrong Question

Recently, I had a glimmer of understanding –of 'what' I had no idea. It persisted and became clearer to the point I laughingly told myself 'I had reached satori' –meaningless gibberish -I thought. It was then, while casually contemplating our universe, I simply recognized we existed in a flow of energy –yet I had no idea of how energy becomes space. I 'saw it' but lacked the words and means to describe that 'it'. I pictured myself in a field of incoming waves of light, but not understanding time I saw myself in the mistaken illusion of 'space'. My perspective arose from static thought –primitive! I possessed the usual human perception leading to the view of light waves travelling through a 'box of space'. Science never questions how a 'big bang' of energy becomes a 'box of space'. This perspective in turn leads to a quest

to answer a totally erroneous question:

How does light travel at a constant velocity through space, while we travel separately in that same '3D space' in varying velocities and directions? Einstein equations appeared to provide an answer by mathematically linking illusory 'space' with non-understood 'time'. His equations gave experimentally proven answers as he then imagined a theory for this 'mathematical reality'. In his theory two unknowns became 'space time' requiring a forced 'fourth dimension'. Initially I saw waves of light 'from all directions', but struggled to understand if they were part of that energy wave or travelling separately 'through the box of space': and how did they reach me from every direction in that 'box'? Time didn't 'work right' –every direction /dimension I looked was the past: It was then I recognized that light waves reached me from one direction only in the view of reality as energy in flow –all light DID come from the past! This was a breakthrough -I flowed in time –not space.

The Correct View: A Cosmic Hologram of Energy

To give you an initial glimpse of that understanding I present the hologram universe. Begin by simply seeing your world as a 3D 'box of space' as you normally do. Now recognize every light wave reaching your eyes from every direction comes from atoms –and every atom that constitutes buildings, fields, trees, even people, is energy. Atoms are understood to be almost entirely empty space of 'expanding energy' controlled by a central core of energy of protons and neutrons. [Similar to our solar system with its' central sun]. But science tells us energy can NOT physically continue to exist in a static form. It has to exist as a wave –on /off, existing /not existing -meaning that 'box of energy' can only exist for the briefest instant. In other words, see yourself NOT in a 'box of space' but in an instant 3D holograph 'box of energy'! [Like an instant 3D 'snapshot' frozen in the 'pop' of an energy 'flashbulb']. Instead of your usual view of the world see it as a flash of energy, then another, another -too fast for your senses to perceive. Now picture yourself in a single flash of energy. In that instant, everything is 'locked' -you can't move. You can only move when those holograph bursts continue to flow to become a hologram. It's how you move in this world. [Which science can't explain and doesn't understand] Time does not exist in that instant, but as single instants continue to flow, that takes time –that is time. Realize no light released in that instant has yet to reach you. At that moment you are at the center of your own personal universe! [in that 'box of energy']. The first light to reach your eyes comes from the closest thing to you –from micro-seconds ago -i.e., from the past, =previous bursts of energy. Look west to a setting sun. The light reaching your eyes was emitted 8 minutes ago. Look east to a rising sun. That light was emitted 8 minutes ago. Look any /every direction toward distant galaxies and receive light waves from billions of years ago –always from the past. Your eyes receive incoming light, you do not look out into a 'box of space'. Light from a distant star indicates it's about to go 'super nova' next week –that star hasn't existed for millions of years. This is PRECISELY the way we know the universe and time operates, and the only way it can do so is by correctly observing our reality -we are energy in a wave of energy. Those single holographs –wave lengths of energy –then flow to produce a dynamic 3D hologram of energy –the illusory 'static box of space' we think we exist in. We don't recognize our 'one-step-at-a-time' limitation while light flows at a constant velocity, [the flow of the energy wave =light speed, in one direction –forward in time –which explains relativity and the constant velocity of light, as well as the

'strangeness' of the quantum world]. You exist in a flow of energy –the understanding of time. The past is gone; the future is imagination –as we continue in renewed moments of 'now'.

This is all you presently need to understand our real reality beyond Einstein or science. Attempting to understand further requires a total separation in thought between the reality of energy and the illusion of 'space'. From experience, I can tell you it takes some practice to keep each perspective apart. Previously, I described the 'universe' of energy as being an expanding series of 'bubbles'. As such it has no 'outside' –only the future. The 'inside' is the past, those waves of energy no longer exist. Everything exists 'on the surface' –only in the present 'now'. Note you 'are at the center of your own personal universe' [as previous] –as is the entire illusory universe of 'space' contained within that instant 'bubble' of energy. You can travel forward in 'space' as you travel forward in time =the flow of the bubbles of energy. However, as you travel backward [or any direction] in 'space', you still travel forward in energy flowing in time! This can be rather confusing initially as the brain muddles two different perspectives. This means you can travel any direction in a straight line through 'space' for billions of years 'to the limit of the universe'. In reality, you are circling a succession of energy bubbles flowing in time. Theoretically you arrive back [from the opposite direction] to the same 'spatial' place, although billions of years have passed –in an expanded energy bubble. The energy bubble that creates illusory space is curved! There is no limit or outside to 'space', and no 'infinity'.

Science believes everything began with a massive burst of energy, out of a minimal point of existence. By the law of conservation of energy, all energy that exists today -like us -existed initially in one point which suddenly expanded. Within an instant we were far apart –a bit more comfortable. As the original force expanded it fractured into the electromagnetic energy that it is today to produce 'space' and time, and became capable of generating matter –the first galaxies, suns, and solar systems

At that moment light began as that energy flowed in wavelengths of quantum energy –'quantum' meaning in the minimal limit of existence. That energy is intermittent: one wavelength at-a-time. Each burst of energy creates a quantum instant holograph =our 'static' world. As it continues, it generates a dynamic three-dimensional hologram –the illusory 'box of space' we mistakenly believe we exist in! It takes time for that energy to flow –that **is** time. Time began with matter and light. But 'we' –our energy –still exist in a field of energy –not 'space'. As that cosmic field of energy expands one quantum instant of energy-at-a-time, we exist in a hologram universe. Light is emitted by galaxies -immense distances from us in every quantum instant –every repeating instant 'now' of time. We all exist in the same instant 'now' and see each other in tiny fractions of the energy and the time it takes for light to travel between us. Light from galaxies takes billions of years to reach us –exactly as we observe it. All light reaches each of us from the past, making us at least in our own mind, the constantly newest thing in our own personal 'universe'. Anyone experience life otherwise? That cosmic universe of energy expands –as anyone who understands it would expect. A universe of 'space' makes no logical sense –a perspective of a hologram energy universe concurs with all observation. Time and space act precisely as we experience they do! But this is the 'tricky bit'-the 'puzzle': We are energy in a wave of energy which flows so quickly –the speed of light –our senses can't comprehend it. Single bursts of energy [energy holographs of no time = 'snapshots'] flow to produce a dynamic 3 D illusory 'virtual reality' we see as static 'space' while that flow **is** time. The mind insists on perceiving itself in 'space' while the correct perspective is energy. You need to recognize these two parallel perspectives! In that flow of locked instants of time you can be

driving at 100 kph –identical to the vehicle beside you. Your relative velocity is zero. Drive in opposite directions –in locked holographic snapshots of energy -and your relative velocity is 200 kph. Meanwhile light remains totally independent of your movement -continuing at a constant velocity in one ‘direction’ =energy flowing forward in time -as opposed to your illusory speed or direction in ‘3D space’: i.e. The explanation for ‘relativity’ and the constant velocity of light! This ‘locked holograph’ view also readily explains the Heisenberg ‘uncertainty principle’, ‘wave/ particle duality’, ‘non-local action’, and the ‘single/ double slit experiment’. [Explained in more detail in *Einstein Corrected / Correcting Science*]

Attempting to make sense of Einsteins’ ‘toy train’ thought experiment with two observers at differing velocities in ‘space’ and two ‘simultaneous’ bolts of lightning, I recognized the lightning could not be seen as simultaneous from the perspective of each –all light reaches us from the past –depending on our ‘spatial location’. We all see ourselves first –as we flow forward in time: See us all as a holograph = light emitters and observers at the same time and the universe works as we see it! Only two bolts of lightning released in the same instant at the exact same location –coupled –could be deemed simultaneous. Clearly Einstein had held my initial perspective of ‘space’ as a static ‘box’ that light travelled through - static thinking! His view was fundamentally incorrect in presentation and could never provide correct answers. I began to use the term ‘box of space’. Physicists who recently determined space is quantum energy still question if time is real or illusion, as it ‘disappears’ from their equations. This mirrors my understanding of time as non-existent in each energy wavelength yet the flow of energy results in both time and the dynamic 3D spatial illusion. Lee Smolin speculates if time is real then our spatial reality has to be illusion –I can assure him he’s right. Roger Penrose remarked in an interview, that combining Max Plancks’ equations with relativity gives mass =frequency =‘a clock’. As I see mass as a flow of energy, I interpret this as energy in flow =time. With correct ‘space’ and ‘time’, I understand relativity and the velocity of light without four dimensions or ‘genius’ thinking. Applied to the entire realm of science I found my ideas were already in existence. Other views and theories discarded by ‘space time’ logically fit into my concept. The activity table of atoms and the structure of atoms ‘fit’. Since the earliest concept of the atom, electrons were seen as little ‘orbiting planets’ –of energy. They could ‘jump’ from one orbit to another =understood to be locations in energy not ‘space’. Their ‘movement’ was limited to multiples of energy and that energy was released as photons –the quantum ‘limit’ -of energy. Could it be any more obvious than our reality is in energy –not ‘space’? This includes the Schwarzschild proton as a ‘mini black hole’. This concept, beyond my ability to evaluate, was recently again denied as incorrect, due to science’s adherence to the ‘space time’ view. Yet the amateur presenter of that idea presented a line graph on which that idea admittedly ‘fits’; as science searches for hidden dark matter /energy in a ‘4D box’, and questions how/why it expands –into what? Initially nothing existed. Science believes a ‘big bang’ burst of energy ‘exploded’ within that nothing leaving a vast ‘hole’ –an empty cosmos -inside nothing. ‘Space is curved’: We exist inside an empty void of dimension which has no outside! That energy then subsided leaving an empty but continuing hole in nothing –which we somehow ambulate around in –and now it is expanding –further into nothing. Where is the logic in this? The easiest way now to understand what I’m telling you is to see the universe as you normally do, just recognize it as a continuing ‘instant flash’ of energy. Our sun and every star is a sphere of energy. Furthermore, our Earth and its’ moon are also spheres of energy! Our own bodies are made of atoms –not yet concentrated into spheres –but still energy! All that energy exists only in single quantum instants =wave lengths of energy – the fractured energy of that original ‘big bang’. The cosmos can now be seen as an energy hologram -

the product of flowing holographs [each a 3D energy holograph of no time] to create our illusory '3D reality' as well as time. A single force split into '2D energy' –coupled forces electricity and magnetism – generating '3D information' -i.e., REALITY –produces our illusory '3D cosmos of space'.

I now see light waves not as a separate entity from the energy of space, but part of each quantum wavelength of that energy. We look back through time as invisible waves of light reach our eyes. Only when light interacts with or is released by 'matter' =contact with the 'energy of compression'. [mass energy] to lose photons of energy -do things become visible to our eyes. This loosely corresponds to Einsteins' 'phase shift' of light waves. This idea also reflects Maxwells' equations. Light travels through space without any 'ether' –except it now can be seen as part of space itself. I have a better understanding of that energy I first saw myself in, but I find the concept of coupled particles particularly intriguing. As explained elsewhere, I see those particles as energy 'split' from the same energy in the same wavelength. They remain in the same wavelength as they separate in 'spatial dimension'. This is how non-local effects instantly occur, beyond the speed of light. So, what is this 'spatial dimension'?

Scientists pumped all the air out of a glass cylinder and equated that vacuum of 'nothing' to 'outer space' –equivalent to their big bang 'hole in nothing'. They then placed an alarm clock within that 'nothing'. When the alarm rang a hammer hit a bell. No sound could be heard as there was no air in the cylinder to transport sound waves, but what were the light waves from the bell itself travelling through? If the contained volume of the glass cylinder were actually 'nothing', then nothing could exist in it.

Clearly it has dimension, as has 'outer space' –and we can travel through it. Moreover, coupled particles can separate in dimension, travelling billions of kilometers apart while still in the same wavelength. Two coupled, simultaneous bolts of energy only become lightning when they release light. If each bolt heads off in opposite directions through subsequent waves of energy [while remaining locked together in the initial wavelength] how is that 'distance' we observe between them generated? Is 'dimension'/distance another form of energy? –it can't be anything else. I present metaphors of flowing 'static 1D boxes' of energy creating our illusory 'spatial' reality, but how does that energy move within that '1D wave-length box' to create 'dimension'? At present I see that 'distance' as a form of energy 'stretched' from one energy bubble to the next. The furthest we could travel 'back in time' is the big bang -we recognize this naturally when we measure space in light years [time] not kilometers [space]. As the energy wave [dark matter] travels forward in time it generates successive larger bubbles and increased 'dimension' of our illusory space. This is total speculation on my part, but it does represent a logic of symmetry I find convincing. [And the forces of electricity and magnetism should become more understandable as coupled dimensions of the original force. Coupled particles are also generated with opposing charge, and possibly spin, which could also lead to greater understanding of the 'distance' of space]. There's still much more to contemplate about that 'it' and the minds' perception of it. I see dimension as 'the other half' of that energy wavelength. –the yang to the yin of the original force that sprang from nothing.

Perhaps all is an energy illusion. A force 'split in two' and fractured into opposing wavelengths of energy creates the illusion of space, the perception of time, and waves of light. We exist in the instant 'now' in illusory 'space' energy, in an illusory 'dimension' energy –Good grief! My priority is to explain the actual nature of our reality to mankind. The simple ideas I have tried to explain here aren't that difficult. I have no need to engage or debate mainstream science, only to illustrate an obvious misstep, while I'm drawn beyond the immediate understanding of 'dimension' to understand the 'nothing'. Satori is a process – Who knew?

A Childs' Model Hologram Universe

When I attended primary school, we had a dilapidated model solar system. It had a central ball of a sun. Smaller balls representing the planets were extended out from that central sun, and wires and pulleys enabled those planets to revolve as a crank was turned to make them 'orbit' the sun. The model was placed inside a glass box of 'space', to represent the mechanical view of the universe as a giant machine. It dated from Einsteins' greatest era of influence. Youngsters are shown the same concept in video to-day without all the mechanical contraption –much more advanced in style –yet no more advanced in understanding. If a massive, big bang of energy created the glass box of 'nothing' that represents 'empty space' how does anything exist within that nothing? How does 'matter' exist and move within it? This is a scientific question -not philosophy. What is matter other than atoms, which are still energy? The sun can be seen as a glowing sphere of churning energy. Its' center is plasma -intensely compressed energy. The 'solid crust' of a basketball sized Earth would be equivalent to a film of cellophane. Without it, the Earth would be a glowing sphere of volcanic magma. Rather than balls of matter in 'space', the universe has spheres of energy which CAN'T exist as a static sphere [Maxwell]; they flow in ENERGY; science knows this –but doesn't see it! If those model planets were constructed of wood you may think by burning one you are releasing 'static' energy –you would be wrong. Even dead wood is still composed of atoms, which in burning, dynamically transpose into other elements of energy. How can that happen in a 'static box'? Instead of a model in a glass 'box of space' see it as a field of energy in a wave: bursts of energy -each an energy holograph, a static '3D snapshot' which looks the same as our 'cosmic box'- but they flow [which is time] to become the hologram universe –the dynamic '3D' cosmos we recognize. In place of a static glass 'box of space', that model should be represented as a holograph –each burst of energy creating a model of the universe itself. But that wave of energy –and 'snapshots' of energy [each consisting of no time] then flow to create our dynamic 3 D hologram universe. The model exists only as bursts of energy because we exist in flowing holographs of energy –not a 'box of space'. It has to be 'plugged in' –dynamic -without an energy source it can't exist! I'm trying to provide you with the grown-up way to see 'the real thing' -our universe -created by an on-going energy source, the 'big bang'. Realize that model exists only in every single instant of 'now'. It no longer exists 'yesterday' -except in memory or as some recorded history. It doesn't exist 'tomorrow' except in imagination -tomorrow may never come. This applies to your life and is the understanding of time =energy in flow! You find space, time, and reality become natural and obvious. Einstein didn't see this perspective -science still doesn't! That energy creates instant bursts of 'existence'. A 'mechanical' system now needs to be seen as a 'machine' of energy –a hologram universe of energy flowing in time. It exists in the continuing 'now' –scientific fact not philosophic mysticism! You need to separate two different views: the mental illusion of 'space' from the underlying reality of energy. Visualize what I'm explaining to you by first seeing yourself comfortably in your living room –your customary view of a static 3D 'box of space'. Then see your 'space' around you as an instant burst of energy, then another, and another, at light-speed -so fast your senses can't perceive -dynamic energy! Like being 'in a movie' –flowing '3D snapshots' of an energy cosmos. It's a totally different perspective –one that all humankind before you has completely missed! You are now thinking in terms of the reality of energy. Note how naturally time -the flow of

that energy –flows by. The past is instantly gone, surviving only in memory; the unfolding future yet to exist –except in imagination. The mind is very much a part of our perceived ‘reality’.

Stick Figures and Holograph Model

How does that wave of energy become our dynamic three-dimensional illusory static 3D world? Take a book of blank pages and draw a series of stick figures on each page –an expenditure of energy. ‘Flip’ the pages and watch the figures ‘move’ in an illusory world. Realize this illusion you are watching is what every human who has ever lived mistakes for ‘reality’. Note how you can draw them to ‘move’ in any 3D direction or ‘dimension’ you choose –in that illusion. It’s like watching a cartoon movie. But flat drawings lack depth –our third dimension. So, replace the ‘stick figures’ with a holograph –an image on a flat page that stands out in three dimensions, even allowing you to see ‘around it’. ‘Flip’ single 3D holographs and see a hologram ‘movie’ that appears exactly like our world –figures moving within a ‘box of space’. This idea has already been introduced in science fiction as the ‘holodeck’. In fiction, human actors enter the ‘space’ generated by a futuristic energy, intermingling with the energy-generated alien actors. Recognize there are two totally different perspectives here. First is the static 3D ‘box of space’ that every human sees as ‘reality’. This ‘3D space’ began from a ‘big bang’ of energy, but science never explains how that initial energy becomes ‘space’, how that ‘space’ continues, or how we move about in it. The alternate perspective is to see oneself as the holodeck alien –an energy generated being, in an energy generated world as a hologram –bursts of energy flowing in time. This is reality!.. Reality began with the big bang burst of energy, but rather than being a one-time event producing our static ‘box of space’, it continues as a wave of electromagnetic energy = ‘flipping pages’ [a dynamic 3D world not a static ‘box of space’] It is composed of two familiar ‘coupled’ forces –electricity and magnetism. Science knows that light in this instance can generate a holographic picture –containing 3-dimensional information. The flow of single holographs generates a 3D hologram –a flowing 3D illusion which I’m sure you have experienced. Now recognize that a one-dimension wave of big bang energy composed of two elements of that energy, containing 3D ‘information’, results in a dynamic 3D ILLUSION =our virtual reality of ‘flipping pages’. That single dimension energy is what we know as atoms, electrons, quarks, bosons, -etc. –the underlying basis of our universe. We obviously do not see our world at this level. We see ourselves as flesh and blood –not the atoms **we know that we are**. You now see how that underlying reality of flowing energy appears as the ‘stick figure illusion’ –like a mirage we mistake as a ‘box of space’ and allows us to move within it. But your mind protests –you now see how you stroll ‘through space’ up to the side of the mountain –but the mountain certainly feels very solid, static, and permanent. Think back to the single page, or single 3D holograph. You –and the mountain –exist **only** instantaneously on that single page or in that single 3D snapshot of energy. You need to keep these perspectives between the illusion of ‘space’ and the reality of energy separate. If you smack your head into that mountain of energy in your illusory ‘space’ –in that single energy instant –you will impart a large amount of energy as photons from that energy mountain into the energy that represents your skull –you can still bust your head. This is how energy becomes our illusory matter. The entire universe of space exists as a hologram –a flow of 3D snapshots =wavelengths of energy. We are ‘locked’ in each static snapshot with the universe. That energy flows –just like those stick figures flow –to present the illusion that we see as ‘space’. The world still looks the same, but now you are seeing it in the reality of energy –not its’ illusion of ‘space’. Look at

the universe in its' illusory glory and realize it springs from wavelengths of energy. That energy can now be seen to be **less** than our 'single dimension' –as we look at it as energy –not illusory space. For convenience I see it as waves of energy/ non-energy, existence /non-existence, or zero/one in the digital world –the basic building block of everything –the smallest possible amount –the 'quantum'. The universe exists /ceases to exist /then springs into existence anew –a flowing hologram of quantum energy. Two brilliant physicists [Smolin and Rovelli] have mathematically proven space [the illusion] is energy and that energy is quantum in nature. Recognize it takes time for energy to flow –**that is time** – exactly as you experience it. This is the understanding for both space and time –conjoined yet separate entities. In reality you are flowing always forward –in time, in a flow of energy, not moving in 'space.' We don't recognize our one-step-at-a-time limitation [as 'single pages'-single bursts of energy]. But the wave of energy flows **only** forward in time ['flipping pages'], while we in the *illusion* are free to 'motor off' in any direction /*dimension* we choose. Since light is energy but does not have our limitation, it always flows at the same velocity –forward in time, no matter what *direction or speed* we choose to go in our illusory '*stick figure world*'. Man puzzled over this question of the constant velocity of light and 'relativity' until Albert Einstein –not recognizing the illusion or understanding space or time –developed equations requiring a mathematically conjoined space and time to produce 'space time'. His mistaken observation required this imaginary 'space time' to bend or warp to explain relativity and the constant velocity of light –science has yet to explain either. His view also required an imagined fourth dimension –how else could one circle a 'static' 3D world –without falling off? I invite you to circle our spherical world of energy flowing forward in time and record your trip as a continuous 3D video. Upon return, play it back –again energy as holographs flowing forward in time –and note you are always 'upright' compared to the energy that is Earth –and you don't fall off –no imaginary space time or four dimensions required. You think you 'look out' in every direction 'to infinity' -and every 'dimension' bends in 'space' –back in time to the big bang. But you don't look out anywhere –you don't have laser eyes –that's part of the illusion. Your eyes, like cameras, receive incoming light from every direction you look, **from the past**. This can **only** be explained by recognizing you are in an instant 'now' of flowing energy –at your own personal location within that energy holograph, and every direction you 'look' is light arriving from the past –previous holograph universes! Since the Earth and the universe have revolved for billions of years, every direction you look is back –in time –toward the big bang. [Science naturally measures space in light years =time /not kilometers] 'Space' isn't 'curved', infinity is meaningless. You do not exist inside a 'box of space' that has no outside. At this point, as I hopefully have you circling a holographic sphere of energy flowing forward in time, I need to explain gravity. Before we get to that, I think you need to take a break at this point and solidify in your mind how we exist in energy –not illusory space. The universe is a large, very intricate 'puzzle', and you need to totally grasp the basics, but note you understand in '3D' to this point without advanced math, four dimensions or 'space time'. It's important to also understand time. In each burst of energy – [each 'snap shot page' on which a 'stick-figure' is drawn] there is **no time**. On the next burst of 'now' a new figure is drawn, in an infinitesimally differing position. It's the **flow** of those 'now-s' [those 'pages' of snapshot energy] which we correctly experience as time. You can understand this without advanced scientific training, while I can assure you those who have acquired that level have proven energy **is** space, and time appears to 'disappear' at some point in their equations: They speculate if time is real, then our 'reality' **has to be illusion**.

Any difficulty you may have in 'seeing' this stems from the minds' attempt to re-combine the illusion with reality. With the ability to recognize the underlying reality of our existence as energy in a hologram universe of energy, you will find you can just as easily understand concepts that heretofore were limited to only 'deep thinkers'. Even the 'spooky world' of quantum physics is 'intricate' –but understandable – requiring an afternoons' concentration –not a 'PhD'. We'll never know everything; our real reality is enough for most –let the 'deep thinkers' have the rest and depend on them to 'keep us up to speed'. Science saw only a deity-created static universe until very recently and is still puzzled how it expands -as revealed by Hubble. What do they propose it expands 'into'? Steven Hawking saw a big bang of energy: Science sees a massive bomb-like explosion in nothing, creating a huge sphere of the nothing -'box of space' and still puzzles how that volume of nothing continues to expand; 'space –the nothing -bends' - this makes no sense. If you understand only what you have reached so far, you are beyond any scientist- or human prior to this point. Beyond this can still be 'mind bending' at times –it's intricate –but understandable. In reality we exist in a wave of energy flowing in time –not 'space'!

Back to the Beginning

Correctly understanding our universe as a wave of energy, and how that explains relativity and the constant velocity of light, allows us to understand mass, matter, and gravity. Science believes it has mathematically deduced the initial 'explosion of space' within less than a few tenths of a second. But performing math on a mistaken illusion and not even knowing what space or time **is** -means I would prefer to avoid sciences' explanations to avoid entanglement in previous errors –and use my own concepts for an explanation. I think in concepts -as many others do. Science possibly prefers math and equations, which are beyond the average persons' experience or education, but follow my concepts and you will understand what science doesn't –beginning with the reality of our existence itself. Newtons' first law states nothing happens in this universe without a force. I perceive two components of an initial force -one a force of expansion 'outward' [for simplicity let's call it yang] the other a stronger force of compression 'inward' [let's call it yin]. Think of this as a 'concept'-and this as a convenient way of expressing it. Before the big bang they were in balance, and nothing existed. At the point of the 'big bang', yang broke free in the initial expansion of the **force** which ultimately results in our cosmos but is not yet 'energy' or the spatial illusion that is our world]. But yin and yang contain complementary elements of each other. Within yang there is yin –not opposites. [The Eastern mind will have more familiarity with this concept] The yang force expanded until yin force gained pockets of control of that expansion. That yin force also controls the local volume of yang. [The volume of expanding yang force that is the atom is controlled by the central core of yin force –the nucleus of **mass** =protons and neutrons = to produce **matter** – It's how those forces construct the world of atoms that comprise all we perceive as matter]. I will return to this thought in the discussion of electricity. But what is energy other than the to and fro of opposing force? At some point that initial burst of force and counterforce fractured into that quantum wave of energy. As the wave of energy flows and the holographic universe exists/ ceases to exist /re-exists/, the more concentrated yin force is 'slower' to dissipate /re-create. It's the **momentum** in **mass**. More yin force -momentum -separates from the force of yang... With each wavelength that yin force separates and is 'pushed' -[**forced**] together – within a circumference of reduced yang energy -like different sizes of objects on a vibrating, forward moving conveyor belt =**the**

force of gravity. As 'pockets' of yin force coalesce within a circumference of yang to produce mass and matter and is forced together in that expanding universe of yin/yang forces of energy, first matter [=atoms] then the stars, light, and the galaxies are formed. And, [from Penrose, who observed without mass there is no time] as that wave of energy begins –time begins. At this point our illusory 'box of space' begins. Note today, gravity is associated only with mass [yin force] as Einstein observed but couldn't explain. He attributed it to some 'warping' of his imagined 'space time' or attraction by a force of 'gravitons'. There is no gravity in space –no atoms and no yin force –expanding yang force mostly until one approaches mass. Two bodies don't attract each other by gravity, their yin force is 'pushed' together. A 'black hole' represents massive mass and gravity –and is entirely yin force. [i.e., the force of compression 'inward' which taken to the extreme would reduce our universe to a point singularity. But in each instant of re-creation as the wave of energy **accelerates** [and recognize acceleration is a force] back into existence as our Earth, we stand comfortably in a zone of low acceleration –our mass energy **pushed** toward the greater mass energy that is the Earth - GRAVITY! Were we deeper within the confines of that energy, the force of acceleration would crush us. We can float comfortably on the surface of an ocean, our own atoms of yang force –empty dimension controlled by their nucleus of yin. But if we were weighed down and sank to the depths of that ocean, under that massive force of acceleration, nearly all yang would be crushed from our body –we would be compressed into a small stone. In the same manner, as that instant of energy collapses then recreates, two close spheres of energy are pushed toward each other, each in a larger diminished spherical volume of the yang force of 'space' = ['Space bends'] The energy that is the moon is forced toward the energy that is the earth =gravity. With re-creation of the energy field the energy momentum of the moon keeps it in orbit as it circles the earth. Science is yet to understand Newtons' laws –the first states nothing occurs in our world without a **force** as the cause. The initial force -then energy -of yang / yin produces space, mass, matter, acceleration, and momentum [as electromagnetic waves have mass and momentum] as well as gravity. All Newtons' 'laws' can be seen as the action of energy. The flow of that energy is time, and the reason for **entropy** – 'the arrow of time'. Seeing the universe as a flowing series of energy 'bubbles' is mentally daunting at first as the mind attempts to return to its' previous perspective; one may have to re-focus on the wave and its' illusion. See the individual flowing pages. Then wrap each single page around into an energy sphere like a soap bubble. [Avoiding 'infinities'] A flow of single bubbles becomes our energy universe. That energy flow then generates our illusory cosmos at the leading 'edge' –the instant now –expanding in time -into the future. Picture the world on a single static 'page'. As that 'page' is wrapped around into a single 'bubble', the Earth isn't in the center of the page; it's not in the center of anything. The universe has no center. To travel any direction in the spatial illusion is to circle a flow of successive energy bubbles, expanding in time. Theoretically we could circle energy bubbles, returning to the same place in our spatial illusion, but in the distant future –on a much larger bubble. The energy bubble that is space is curved! There is no 'infinity' or 'beyond the universe'! Einstein had difficulty explaining visible light waves and he suspected a kind of 'phase shift' of their energy. I see interaction with yin =mass force causing that 'phase shift'. Each light wave can be seen as occurring with the next quantum wave of energy. The Hubble 'red shift' measuring the dimension of 'space' may need revising. We have no idea how large the hologram energy universe and its' illusion –our spatial cosmos **is**. Nor do we know how 'old' it is –other than dating it back to the beginning of time [as opposed to 'before time'] -the beginning of yin/yang energy. Black holes are pure yin force =the force of compression –at the

center they contain no yang =force of expansion. As such, they contain no dimension, and without energy flow, no time. Yet they exhibit entropy, suggesting energy flow at the surface. [Hawking] Spooky –it isn't; fantastic but understandable it is. Mankind's version of his 'reality' is primitive. The mysterious quantum element is our attempt to replace energy with our illusory 'reality'. It's the wave-length of energy that is 'quantum'. An energy 'snapshot' has no 'spatial dimension' in the illusion of 'space' and no time, yet its' flow creates both the illusion and time. By recognizing reality as energy, the mysteries of quantum theory become readily apparent. The wave of energy that is light, or an electron wave become 'particles' –photons or electrons –only when man interferes with that energy flow in a single quantum wavelength =capturing it on the same '*spatial*' page...= **Wave /particle duality!** Until that point, we can't determine both 'their' location and velocity in our *illusion* at the same time...=

The Heisenberg uncertainty principle!

Since each 'particle' is a wave of energy, it traces out a wave form, not a 'probability'. Interfered with by man –spatially locked -it 'becomes' a particle – 'it' doesn't magically 'know' whether one door or two are open to decide if it should act as a wave or a particle... = **The single/double slit experiment!**

And there is no beyond-the-speed-of-light communication between the scientists' mind and the 'perceived' particle. The easiest way to explain 'spooky [non-local] action' is by picturing an old TV. Those angled straight lines one saw across the screen were a single beam of electrons as that beam was electromagnetically drawn from side-to-side and top-to-bottom. It was used as an electronic 'pencil' to 'sketch' the picture on the fluorescent screen. However, in producing that beam of single electrons travelling toward the screen, an equal beam of electrons travelling in the opposite direction was also generated, each electron **coupled** with its' opposite. This second beam was grounded /eliminated for safety reasons. Had it also been impinged on an opposite screen, it could be seen to 'draw' an equal but reverse picture in response to the initial beam. When one electron was bent 'up', its' coupled opposite instantly turned 'down'. Furthermore, this '**spooky action**' occurs at unlimited distances –like billions of miles. How could each electron be 'aware' of the action of its' opposite, and respond oppositely to that action –instantly –beyond the speed of light? This **now-proven fact** was something Einstein could never accept, and science still can't explain. But recognizing the entire universe exists only instantaneously in a single wave-length of energy allows one to understand how in that single instant –one single energy 'page', that wave-length is 'locked' –there is no time within that wave-length. Coupled 'particles' are energy created from the same energy at the same location within the holograph /universe. As such, that energy flows forward in time, while those coupled electrons remain connected in 'no time'. As the entire energy universe began 'at the same time' every location within it remains 'in phase'. As wavelengths flow to create time, those 'coupled electrons' can diverge immense distances in our spatial illusion. This naturally leads to some very intriguing speculation as to the underlying reality of perceived 'distance' – another illusion of energy? –or connected to 'energy is space'? I believe your understanding of these ideas which science still does not understand –yet are the most glaringly obvious examples to me – are the absolute proof of my 'theory'. We are energy in a wave of energy! As for 'fantastic': If you refer to the old TV image with its' coupled wave travelling in opposite directions, it means if the electron gun source were located on Earth, a civilization a billion kilos east of us could communicate with another civilization a billion miles to our west by manipulating one end of that wave. Or we 'contain' one beam while its' opposite travels in light years through space for future use. More usefully, we may be able to find a natural source of coupled beams in 'space' and communicate instantly with advanced civilizations

–S.E.T.I. is as obsolete as smoke signals. This also explains ‘encryption’ science presently investigates. My theory also gives an understanding of lightning, harnessing it, and the potential for unlimited energy.

Dynamic Verses Static Thought

In high school physics as I attempted to first understand electricity, I asked a question. Beginning with an alternator generating a current through a wire, suppose one cut the wire as the alternator continued to run. I realized one could no longer monitor the current, but did it somehow continue to flow, outside of our ability to measure it? If we could, would we see the ends of the wire alternating positively and negatively as if ‘phantom’ electrons were still flowing? The question had no answer. Later in college in an electrical engineering course we were taught to understand electricity as ‘flowing clouds’ or ‘water’ of charged particles, or little flowing lines of ‘billiard balls’ –what-ever was required to understand the effect at hand. After 60 years I understand –do you? At this point I can recommend you see a very well-produced video on U-tube by Veristasium. The host, Derek Muller explains sciences’ present view of electricity flowing from a battery, including graphics of E. M. waves outside a wire directing the flow of energy through static electrons in the wire. He concludes there is no flow of electrons ‘like water through a hose’ –I agree. Notice however that the physicists themselves are not agreed on a precise description of exactly what is occurring. They still have the view that the wire itself is somewhat the equivalent of a solid static hose. Wrong! The rudimentary understanding of a battery was a container of heavy plates of lead, meaning copious amounts of atoms with their surrounding electrons, and an electrolytic solution to allow those electrons to flow –to build up an excess of electrons on one terminal at the expense of the atoms of the other. These electrons were then pictured to ‘flow’ through the wire to the opposite terminal. Now science tells you that explanation was wrong and replaces electrons with graphics of electro-magnetic waves. But note E. M. waves ARE waves, and they flow in time. Without recognizing it, science is telling you the wire is a structure of the E.M. wave that is the flow of energy we are and exist in. That energy forms the atoms of the ‘wire’ and it flows in time. Veristasium gives you ‘curled fingers show the energy flow in the direction of your thumb’ but neglects to tell you what energy exactly are we now talking about? If tiny ‘electrons’ aren’t in harness as a force where does that energy spring from? Science does not maintain a discipline in thought between force and the resultant energy. They are not precisely the same thing. Furthermore, may I add the existence of voltage? The total power of an electrical current is a product of amperage [once considered to be the number of electrons ‘in flow’] multiplied by their potential difference –in what? It was understood [rudimentary] that increasing the energy in atoms ‘boosted’ the electrons into a ‘higher orbit’, like little planets circling a central sun. Now look at this dynamically. What energy are we dealing with? How does it flow? How does it increase in potential difference? Instead of seeing electrons increasing in ‘orbit’, recognize they represent an increase in the force of ‘expansion’ – yang –controlled by a central core of yin force, being the protons and neutrons of the atom. Schwarzschild pictured the proton as a mini black hole similar to the massive black hole now believed to be at the center of every galaxy –i.e. massive force of yin! Note the similarity of the atom and galaxy and probably the cosmos. I do not claim this yin/yang idea to be anything other than a concept of a force beginning at the ‘big bang’ that is scientifically required to understand where the energy of E.M. waves originates. This is within the bounds of our understanding of physics –or would you prefer to choose an imagined universe of fourth dimensional unicorns that create that initial force?

That energy can be increased in every quantum wavelength of the energy that is the atom in flow [time]. Gold leaves in a vacuum charged with energy repel each other -the force of expansion –yang: It's not just more electrons repelling one another. In a highly charged electric field your hair stands on end. Drag your feet across a carpet in low humidity and you will build up a static charge of yang. As you come close to a 'ground' – meaning atoms with electrons at a lower energy level –you have a potential difference of force. A tiny spark of that excess yang force will jump through the energy that is space. The greater the P.D. the further the spark will jump. Lightning is the exact same effect only multiplied by the greater force on many more electrons and atoms. The spark or bolt you see is the release of energy as photons, and it can jump without a need for any 'static wire'. Have you ever seen ball lightning? I've seen it twice, very close in front of me as a bolt of lightning struck closely behind me. It presented as a 'mini-sun', slightly larger than a basketball, which burst like a flashbulb more swiftly than my eyes could even see, but so intensely bright the image was 'burned' on my retina for what seemed like several seconds. I suspect it's why I have no problem picturing a hologram model as energy in flow.

Science recognizes a magnetized iron bar moving through a coil of wire generates a current –now a flow of E.M. waves –not electrons. How does it see a 'static' force of magnetism contained within a 'static' bar of atoms producing a dynamic flow of energy as E.M. waves? What is the initial source of those waves? The iron bar represents atoms which contain zones of force –yin and yang. That becomes yin/yang energy as it flows –in time. [E.M. waves]. Magnetized means each end of the bar is slightly stronger in one or the other force as the bar moves through the atom energy that is the wire. The result is the movement of that E.M. force through the wire. The wire itself is not solid or 'static' –it is an instantaneous structure of dynamic energy, and it continues only by the momentum of the yin force in the atoms that form the 'matter' of the wire. It is that quantum wave [electrons are a wave of energy which become electrons only when 'observed' by man in a 'locked' quantum instant] which 'channels' the E.M. energy of the electrical current. The alternator and wire are not a static machine, just as our kids' model of the cosmos was the incorrect view. We're in a universe of energy, not 'space'. We once had mechanical adding machines, such as cash registers. One pushed a numbered lever, and inside the machine that lever in turn pushed other levers, wheels and cogs, to eventually produce a total number – you don't have to know precisely how. You see this machine as 'static'. Then we developed electronic calculators. Again, we pushed numbered levers or buttons; this time the internal mechanics were replaced by electrical energy. We pictured that energy as flowing electrons to ultimately present us with the right answer. Now science tells you the electrons are not actually flowing; yet science is still thinking in terms of a static mechanical machine and is unaware of exactly what is happening. You need to 'step up' your thinking to the next level =dynamic. See the electrical device –the calculator itself, as made of atoms, which is energy in flow. The device itself exists only as an energy hologram –bursts of E.M. energy dynamically flowing in time. That 'atom' energy of the device has momentum such that it continues in time as the calculator you recognize, but it's that flow of energy channeled by the 'atom energy' which is at the core of 'the flow of energy'. Again, it's not necessary for you to understand precisely how this occurs –science clearly doesn't. Just recognize everything as a wave of energy. But my original question involved alternating current, which is the base of most of what our world works in. Why? –because it carries further through wires than direct current. Nikola –the original hands-on scientist -Tesla understood waves, vibrations, and energy. His competitor Edison did not. For Tesla alternating current represented 'both sides' of power –the forces of expansion and compression. It's yin

that causes the momentum in the wave, causing it to continue. It's the same reason our universe has continued for billions of years. But what is the difference between the generation of D.C. via a generator and A.C. from an alternator? Both represent matter –i.e., atoms moving in 'space' –i.e., energy and time –to generate an unexplained force. The alternator 'reverses the flow' for half the cycle to capture the energy missed by the generator. It can be seen as harvesting both yin and yang energy. Tesla generated an alternating current through the atoms of the Earth itself –and blew the biggest fuse in history. Imagine the advantage of a Tesla car without the weight of a battery. My quest is not an attempt to demystify electricity, but to show how understanding our reality provides answers to many areas of science. [e.g., Uranium 235 is a very heavy atom – most radioactive atoms are -containers for exceptional amounts of yin /yang force. Its' isotope even more so –and very unstable. Is this the reason for radioactivity?]

I would also like to refer you to another of these Veristasium videos –this one on the hosts' explanation of 'space time', since he gives an excellent version of mainstream sciences' present view. Gone is the 'bowling ball on a trampoline' metaphor I'm glad to note. He presents a number of Einstein ideas -like free-falling equals zero gravity, as acceleration is equivalent to gravity. This doesn't actually explain why there is no gravity in space, yet you will be crushed by the 'force of gravity' at depth by Earths' mass, but there is no 'force of gravity'? Where does the force come from? How does 'mass' as we see it create such a mysterious effect –by mathematically combining 'space' and time? Neither is a force! How does imaginary 'warping' or '4D' change anything? Why does science replace Newtons' very first law with imagination? Seeing the universe as energy that accelerates back into existence presents you with the force as it also connects that energy to matter itself! The yin energy that is the mass and momentum in the proton and neutron core of the atom to produce matter re-exists within a diminished volume of spatial yang energy to produce the effect of gravity. The host points out that we are moving forward in time, but science doesn't even understand or define either space or time. Some scientists question if time even exists! Has there even been one single experiment linking them? Einstein equations give two experimental proofs –time dilation and 'space' bending -but my theory presents those same proofs without an imagined 'fourth dimension'. It also answers dozens of questions that modern science still can't -particularly in the quantum realm. 'Space time' is obsolete! The host displays those equations –I avoid them like the latest virus –they're an attempted mathematical solution for an illusion! You don't recognize the illusion of 'space' you're in, but you combine it with an unknown –time -and imagine this concoction as a 'fourth dimension' -then you claim this to be 'reality'? Really?? Watch the video and see if you understand it without imaginary flights of fantasy, and can you explain it to others within the realm of everyday human experience? [As I can explain the reality of our existence as a flow of energy – and answer most of the questions science still can't –no fourth dimension required]. If you need an equation for your 'proof' of reality, begin with the correct observation of the reality you're in. See yourself in energy not space, then take another look at Maxwells' equation as energy in flow [= time] not space, -you will see reality! Also see the Veristasium video ['the illusion only some people can see'] with the host projected through an 'oscillating window frame' [the Ames window] as he 'rotates' through that same solid frame. This site is fascinating and wonderfully well done and illustrates so much better than I can using only words, just how easily and massively your senses can be completely wrong. You witness actors 'grow' larger and smaller with your own eyes in an Ames room. Even when the optical effect is presented to you, you can feel your own eyes and mind straining to counter what it is

you now understand. This comes to the crux of what I'm trying to present here. I'm not claiming any scientific expertise, but I do have the ability to accurately observe my reality when I encounter it! Einstein didn't make a mistake of science but one of observation and perspective. The actors don't grow –the floor is slanted. Reality is energy in flow not 'space time'. The mystic may claim we're in the 'ever-existent now' but scientifically speaking he's right. Meanwhile some modern noted 'gurus' make as much sense to me as 'the space time continuum'. "There are two different types of people.....those who want to know, and those who want to believe". [Nietzsche] I'm interested only in the knowing but that is leading me toward some very fascinating unknowns, some of which I present next.

Bose-Einstein Consciousness

Do you understand Bose Einstein condensates or even simple human consciousness? I confess I don't. In her book 'Quantum Self' author Dana Zohar, quantum physicist/philosopher, reveals both the quantum physics and the philosophy underlying the search for the understanding of consciousness. Quantum experts exist in a 'spooky' world –an Einstein reference -in which the observer in a quantum experiment interacts with the particle being observed. At the smallest level of existence it appears nothing can be said to exist in any fixed place, other than in possibilities. [the Copenhagen Interpretation –Niels Bohr] Some even deny reality itself exists outside the boundaries of human consciousness –the observer creates reality as consciousness collapses the wave function. [Fritjof Capra] But I exist in a world in which cats are alive or unfortunately dead –like the rest of us. It's not a value judgment. The wave function of a cat doesn't collapse into anything else but a cat. Is consciousness the bridge between this quantum world and the reality we are aware of? Since we and our universe are the same atoms, quarks, and physical laws, where does consciousness spring from? How can the cells in our brain, being constantly replaced, be aware at some point but not at another? We are not unique: other creatures indicate some form of consciousness. A little octopus in an aquarium tank, regularly 'sneaking out' at night to raid surrounding tanks for alternate food to eat, displays both awareness and a form of free -if crafty –will. Other physicist-philosophers suggest perhaps that includes the Earth itself [Gaia from Greek mythology]. Do elementary particles possess rudimentary conscious properties? Some suggest so. But before examining that thought we must return to the concept of reality.

Bose Einstein condensates: what a wonderfully impressive title! As is every title I come across in the field of physics today. 'Full of sound and fury.....signifying.... nothing' –to do a hatchet job on the great Shakespearean line. Words meant to impress: to warn you, the non-expert, to avoid the realm that is beyond your limited ability to understand. Recognize this: It's all imagination! Mankind's view of reality itself is wrong and primitive. An electron does not 'know' if one slit or two are open in a wave/particle duality test –man simply does not understand the true nature of reality underlying that test. If you have read and understood my hypothesis you already know this. If not, I'll try once more. My theory explains this 'spooky' quantum world as a misperception. We 'see' ourselves in a three dimension 'box of space', created from a burst of energy -we exist in a continuing wave of that energy. 'See' the universe as a 'force field' as in a fiction movie. This force field includes outer space –a massive dimension of 'nothing'. It includes the mostly empty space of atoms –that compose all matter - representing the galaxies and our own bodies. At the center of those atoms lies a different form of force -electrons, protons, quarks,

and the quantum realm, controlling that force of empty space. This force produces our cosmos of space that exists only as a quantum energy instant. Maxwells' theories, based upon those of preceding brilliant scientists prove our static 'force field' cannot exist –other than as a wave of energy. That wave of energy flows –that takes time –that is time. As that energy flows it continually 'maps out' a dynamic three-dimensional world we mistakenly perceive as a static 'box of space'. The initial energy of the big bang, fractured into a quantum wave of energy becomes our illusory 'box' of 3D space. We exist in, and move around in, what we perceive as a 'static' world -simple facts- but mainstream science can't explain how. You are always aware of the passing of time. You can see you are getting older. The past is past; you constantly enter the future. You know what time is –yet neither you nor science recognize what can't be more obvious. You are energy flowing in time –your 'static 3D world' is the illusion. 'Space-time' is the imagined explanation for that illusion. Science has never explained or defined either space or time although two quantum physicists have recently proven space to be energy and quantum in nature. No scientist as yet can explain or define time, and science has no idea how it fits into reality. You don't need a 'genius' intellect or the ability to do 'impossible' math to understand this: Picture yourself as energy flowing in time, and it all becomes obvious. I am not attempting to re-impose a view of a machine -like cosmos –unless you view that machine not as one of matter but one entirely of structured energy in flow! You see your brain as a static blob of grey matter existing inside your head as a static 3D box –the usual view. The blob is an interconnected mass of biologic cables between billions of neurons that function like a computer. Now you struggle to understand how thought, mind, and consciousness occur within a static blob. How can it interact with, possibly even control the smallest particles of matter –in 'space' by 'spooky' / 'non-local' action –beyond the speed of light? Think dynamically! The smallest particles of matter are forms of quantum energy. Your grey blob of a brain is composed of those same particles –at its' most minute base it is also energy -that flows in a quantum wave. Now see your 'static' grey blob in its' glorious reality, a flowing hologram of energy –as a flow of instant three dimensional 'energy snapshots' extending beyond your skull to the limits of the universe. Solid, static, 'permanent' flesh and bone exists only in a quantum energy instant of no time. Your brain and the cosmos are locked together in that quantum. The flow of those quantum wavelengths become the time and world we recognize –but we see everything as static -the illusory 'box of space'. Scientists studying the brain have witnessed varying regions 'light up' in energy. Many have postulated the mind therefore acts as a hologram but seeing the brain itself as the energy hologram and the mind functioning within it in the same manner brings understanding. We witness a hologram-mind in a hologram-brain, -body, -world, and ultimately -universe. The brain is constructed as is the universe itself –an energy hologram within an immensely larger hologram and functions the same way -as a 'transducer'. What is external to the mind can be incorporated within it. The quantum world appears to be 'spooky' only because man doesn't understand his quantum one 'spatial' step-at-a-time limitation. He doesn't understand his reality as energy in energy. This idea is not meant as a side-step into mysticism. Every part of each instant holograph contains all the information from the whole, but each part is increasingly sub-divided to the point nothing much can be conveyed of that whole. The mind may be connected to the universe, but it is still only an insignificant fraction of it. Further, the hologram represents a standard classical system, and classical physics does not allow room for the free play of will, thought processes, or intention. How do we see multiple possibilities all at once? Understanding reality and spooky action /non-local effects allows a very different view -a unity of consciousness, as all neurons within an area of the brain are

instantly connected in thoughts and feelings in each single quantum burst of energy. Roger Penrose suggested such a connection could result in our state of awareness, although he was thinking in 'static quantum physics' terms. He felt a unity of thought allows a 'self' to exist –without it we have no experience as we know it, and no 'self' having that experience. Where is the science behind that unity of consciousness? The Bose-Einstein condensate –I touch on it briefly and superficially.

What would be the background state of all consciousness –the 'blackboard' on which various thoughts and perceptions are written? Physicists call this a steady state –the orderly awareness we live in. Such a state rarely exists in nature but does so in materials that exist in 'condensed phases'. E.g. Water has three phases –gaseous [steam], -liquid [water], -and solid [ice]. The property each phase has in common is some degree of coherence –all the atoms /molecules that make up the substance change to behave as one. But how could the neurons of the brain do likewise? Professor Herbert Frohlich introduced the concept of 'pumped systems' in which vibrating dipoles [molecules in cell walls of living tissue] emit electromagnetic vibrations =photons. Beyond a threshold of energy input, all the molecules vibrate in unison. They do so increasingly until they reach the most ordered form of condensed phase possible –a Bose-Einstein condensate. They behave as a whole and 'become whole'. An Individual possessing separate islands of consciousness –driving a car while talking to a friend while entertaining an entirely separate private thought –all become 'me' –the kind of unity found only in a 'B-E' condensate. Quantum physicists would say the wave functions of the individual bits have over-lapped becoming indeterminate. This might be the mechanism by which life violates the laws of entropy, by which all inanimate systems are destined to degenerate into chaos. Evidence for coherent states ['B-E' condensates] in biological tissue is now abundant. The interpretation of its' meaning may be what distinguishes consciousness from unconsciousness –even life from non-life /death. The holographic universe model can illustrate how the brain cells can generate a unified field required to produce the ground state of consciousness, but as energy in flow, not in the illusory 'box of static space'. Any structure, biological or otherwise, that could contain a 'B-E' condensate might support the capacity of consciousness –including tiny octopus or 'conscious' computers. This is the 'blackboard' on which things –perceptions, experiences, thoughts, or feelings are 'written'. Those 'writings' come from memory, the vagaries and experience of everyday life, genetics, etc. It has been suggested the excitations of the 'B-E' condensate accounts for the recognizable EEG patterns recorded when electrodes are attached to the skull. Scientists recently accidentally discovered a patient hooked to an EEG machine had died of heart failure –yet the machine continued to record brain waves for some time. The brain has two interacting systems – the 'condensate' associated with awareness, and a computer-like system of individual neurons. Consciousness and matter are integrally bound up with each other and arise from a common source. Some would see that source as the world of quantum phenomena. I would see it as the source of everything –the wave of on-going quantum energy initiated at the big bang. The brain has elements of hologram and computer [the bits and bytes of computer information are energy stored in matter –which is still energy in energy, as bytes in mental memory are also energy in energy]. It is a dynamic hologram of energy generating a dynamic hologram mind –which we can visually see -within a dynamic hologram universe. The brain is not a static blob of inert matter in a static 'box of space' in which 'spooky' dynamic things mysteriously occur –the present static quantum physics view. If your 'concrete reality' is starting to slip away, as it already has for quantum physicists, this is the reason: it's your view of reality that's illusory. Picture your own body not as a blob of matter in 'space' but a defined structure of energy in flow in a universe of energy.

Example: Note your heart does not 'pump' –it beats. Scientists recently recognized the length of the vascular network extending from the heart to the farthest reaches of the smallest capillaries would reach around the Earth. At the furthest point where a single cell of blood exchanges an O₂ molecule within a muscle cell, that blood cell virtually stops –there is no 'pump' at this point. It then begins to move via electrolytic action within the walls of the vein, like electrons flow in a battery. Individual blood cells return through the veins increasingly 'speeded up' by known scientific effects. [Venturi effect, branching, etc.] As that flow of blood enters the heart it is already flowing at its maximum, expanding the heart itself. The muscles of the heart, co-ordinate with the heart valves, contract and send that blood flow on its' way. Amazing; but this can be seen as dynamic energy in flow.

That defined structure of energy -your body –exists in a single quantum instant. Every point of the energy in the dipoles of the vascular network could be linked in that instant as a pumped system [a Bose-Einstein condensate]. The entire cardiovascular system becomes 'one' in that instant. As those quantum bursts of energy flow =time, you feel the result –your beating pulse. Similarly, brain cells, possibly extending throughout the entire neural network, can be seen to be acting as 'one' in each successive quantum instant –beyond the speed of light and 'known' scientific laws. Picture a box of initially shielded non-aligned magnetic compasses -all exposed to an electromagnetic wave -all instantly aligning. Within the holographic structure of energy that is the universe, there is the holographic energy structure that is your body. Within that resides the holographic energy structure of your brain producing a hologram image of your own mind 'lit up' for our machines to reveal! Clearly there are limits to this view. Whole regions of brain cells can come together like a large symphony orchestra of separate musicians to create some masterful work -a brilliant individual, while several amateurs can 'bang out' some decent 'rock' in the garage –the octopus. Meaning other creatures can also exhibit a limited unity of consciousness as a region of brain neurons act as one –and a limited awareness, while the quantum nature of the wave allows both free will and creativity. Damage to the physical network –the nerves – will interrupt that pumped system, to disrupt that 'oneness' –physical disability ensues. The octopus brain appears to extend throughout its' entire body –imagine that. It can change its' skin in colour and texture to blend into its' surroundings. Do you still picture this universe in 'static' terms? How quaint.

Body / Mind and Soul

As the philosopher Descartes [*Meditations*] noted [Paraphrased]: Man has always had a clear distinct idea of self..... “as a thinking, non-extended thingin a distinct body as an extended, non-thinking thing... It is therefore certain that I am truly distinct from my body and can exist without it”...This idea is called 'dualism', based upon the newly recognized concepts of mechanical mass and matter. As D. Zohar notes [*Quantum Self*]: “However much our modern reason might wish to shake off the mind/body or soul/body dichotomy, this deep cultural conditioning holds us in its' grip, not least because the physics of the last three hundred years supports it”. This would suggest the issue began with Newton. I see it differently. Old Isaac lived in a 'static' world before the modern inventions of electricity and the like existed. By experimenting with 'static' models –like rolling wooden balls down ramps, he deduced a host of measurements, and then transposed those measurements into underlying equations, which became the basis of Newtons' laws. He brilliantly recognized 'something' underlying his initial concepts of force, mass, weight, momentum, energy, time, even gravity –but he never recognized that 'something' as

energy itself. Yet he is 'blamed' for a mechanistic view of our world, while 'space-time' and 'quantum philosophic semantics' somehow 'frees up' both space and time. And time is still loosely defined as sort of what is indicated by the movement of the fingers on your watch. REALLY? Modern science still doesn't recognize the reality of energy, and still doesn't fully understand his laws. It still mentally lives in a static world –locked in 'space time'. Clearly in a dynamic universe of flowing energy, a tiny portion of which is locked in a B-E condensate to become our perceived 'self' or even our 'soul' totally separate from our non-condensate 'body', we can begin to understand our reality. The quantum realm still exists at the base of that reality, but in itself is not the source. Do elementary particles possess rudimentary conscious properties? Elementary particles are not tiny 'solid' bits of matter; they are part of a quantum flow of a pattern of energy which flows in single static bursts like 'pictures' in a movie. If you watched this movie, then fine-focused on the smallest possible element on the screen –the screen itself being the movie energy as are you, you could not locate the position of the smallest pixel on that screen and its' relative velocity to you at the same time. A particle is a wavelength of energy. When observed / captured in the same energy 'picture' as you it no longer has a separate motion from you. [relativity] You can't observe both its' location and velocity at the same time. [Uncertainty principle] The flow of the energy that is light becomes a photon [wave /particle duality] when observed. "Science cannot solve the ultimate mystery of Nature, and it is because in the last analysis we ourselves are part of the mystery we are trying to solve" –Max Planck –founder of quantum physics.....

Yet, correctly understanding how the quantum realm fits into our reality of energy in flow, the question becomes: Does that flow of energy contain an underlying consciousness, awareness, or knowledge /knowing within it?

Consciousness, Knowing and the Wave

In his book *'The Minds' Sky'* author Timothy Ferris suggests the fact we can learn anything at all about our universe suggests that thought, and maybe even 'intelligence', is not a parochial phenomenon but may be universal. He notes the human penchant for "naïve realism –the dogged assumption that the human sensory apparatus accurately records the one and only real world of which the human brain can make but one accurate model".... "Precisely because observation is so important, we need to appreciate its' limits" [This mirrors the introduction to my theory] "The brain is a ramshackle concatenation, slapped together through the course of millions of years of evolution in which many chance eventshave played important rolesduplicated nowhere else in the universe". This leads to speculation that although intelligence is universal, the human brain [including to a lesser extent all inhabitants of this planet] is unique; it is unlikely to have been equally duplicated elsewhere in the universe. Earthlings possess a different computer / 'local hardware' upon which a program / 'cosmic software' can be run. What would be the source of the program and how would it be loaded into our brain?

The book is an excellent source of recent ideas of how reality may be structured, but I have an 'updated' view of that reality. The author is a strong proponent of S.E.T.I. [search for extra-terrestrial intelligence] which I believe is out-of-date. He speculates on advanced civilizations sending probes to our galaxy and inter-stellar communication systems. [Little green men in flying saucers] I consider the idea unlikely –yet once again the 'reality' is more profound. Why spend light years crossing dangerous 'space' in an exotic tin can when one can just instantly 'text'? 'Spooky action at a distance' / non-local action is not my

'invention' –it is a scientifically proven fact! If you recognize this, you have to accept what my theory is telling you. In 'energy' –not illusory 'space' -the speed of light is not the 'limit'. Moreover, what I am presenting here may represent the level of understanding required to 'gain access' to a higher level of an 'intellectual community'. Sending and receiving 'radio signals' in 'space' is not the ultimate test – maybe 'texting' through energy is. Mankind is still primitive in science and social development. Wars and the accumulation of obscene personal wealth at the expense of the many is testimony to that fact – society is presently reverting to a new form of tribal feudalism. This would appear to be at odds with the meaning of existence –each individual component contributing to the whole –not the psychopathic few. An advanced civilization would recognize that, and would have no need to engage with primitives. But with every major advancement in science, society also advances. Correctly understanding reality, and what that means for us as individual and collective beings may force a restructuring of our society – eliminating or at least controlling the aggressive psychopathic dangerous 'jungle' element and may make us 'presentable' to an advanced alliance. Our technological advancement would signal our social maturity. Alien beings are likely to be very different from us –but do they share a similar intelligence? Is there a universal intelligence –cosmic software?

From my own experience I would have to believe there is. I have come to my own little 'theory' based on a lifetime of 'hands-on' work on human created machines and systems, the underlying principles of which are universal. My education, with a superb introduction to Newtonian physics, came from other brilliant people. Anyone with similar education and experience can –with a bit of effort –follow what I have espoused here and understand the same. There is no separate reality of alternate dimensions or 'space time' which only one single man ever appeared to understand –and a few more claim to. I find the cosmos to be readily understandable in local 'earthly' terms based only on disciplined observation and precisely applied logic. Knowledge /knowing exists, and it's universally applied. The role of sensate beings like ourselves could be akin to the molecules of the brain –a pumped system of dipoles –as part of a larger system -a system of intelligence spanning the entire universe. We're capable of thinking and acting for ourselves, as an indistinguishable part of that greater system -yet ultimately expendable without destroying that system. Knowing/knowledge or intelligence is naturally created everywhere a form of life can flourish, in many different forms. If the 'intelligent' inhabitants of this little planet feel a need to destroy themselves to allow improved versions [super intelligent octopus?] to take over –so be it. Some have a 'need to know' –a thirst for knowledge. Search all the greatest thinkers and minds through history -many totally unknown to our western world. The search for, and respect for knowledge is constantly conveyed as paramount to our being; yet to-days western world is notably lacking in superior intellect or character -our leaders are moral morons.

Do we 'local neurons' reflect 'ALL'? Is that why the entire universe exists? Is all knowing as 'information' encoded in that energy wave, as Hawking thought? As that energy flows in physical entropy towards chaos and the total dispersal of energy of matter [the physical]; 'information' including memory, thoughts, experience, feelings, imagination, and knowledge increase in both abundance and order [the non-physical] The non-physical is the realm only of the mind. One might 'imagine' [that mind-word again] that is the entire reason for 'ALL' to exist –the universal mind. The image that 'lights up' in this local condensate –my mind -is that the wave of energy that is our illusory world is dissipating to become 'information' around the ultimate black hole of mind - nothing... The universe is the universal mind indulging itself. "Reality -wow –what a concept!" [Robin Williams]