

Time Dilation Cosmology 4: Life and the Origin of the Spacetime/Quantum Continuum

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Abstract

This is the sixth paper in a series on Time Dilation Cosmology, TDC. TDC describes an eternal, non-expanding, perceptually infinite, holographic model of the universe based on time dilation that ties astrophysics to quantum physics and resolves all the conundrums in astrophysics, and serves as a model for the unified field. In the author's previous five TDC papers, it was demonstrated that all gravitationally induced velocities are compensation for the apparent differences in the rates of time, "dRt", due to mass/energy densities, i.e., time is dragging space forward, and, vice-versa, in all external force-induced velocities the dRt is compensation for the velocity, i.e., time is placing a drag on the spatial event, so the uniform evolution of the continuum at c is maintained at the invariant 1 s/s rate of time of the universe as a whole. These compensations make it impossible for an event to lag behind or get ahead of the evolving continuum. In three of the previous papers, an acceleration in time of $2.2686 \cdot 10^{-18}$ s/s within all lifeforms is noted to manifest the Hubble shift. The simple fact that plants grow upwards against gravity is proof of the acceleration as it is not possible to move upward against gravity without acceleration. For the acceleration to produce the Hubble shift, however, the acceleration must be cumulative over time and be passed on from lifeform to lifeform throughout eternity and this paper explains how that accumulation is carried forward. It was also demonstrated in those papers that, in non-locality, two entangled particles must be one in superposition and that two observers, each observing one of the entangled particles, must also be entangled and be one observer in superposition. In quantum physics, we know the observer is always part of the system and influences what is observed and this paper describes how the continuum is manifested and why, and how, we influence the evolving continuum and is intended to complete the bridge across the chasm between science and theology for the 80-85% of the world's population that believes in a deity or higher power.

Keywords: time dilation cosmology, quantum physics, life, creator, god, panspermia, cosmicrobia, spacetime continuum, quantum continuum, superposition, distant viewing, telepathy, non-locality

Preface

The current Big Bang/Dark Energy/Cold Dark Matter/General Relativity/Standard Particle (BB/ Λ /CDM/GR/SP) fixed space model of the universe has major problems.

What preceded the supposed singularity that preceded the Big Bang (BB)? What was the singularity smaller than? What was outside it? What set the BB off? What is Dark Energy (Λ) and how can it make up the greater part of the universe? How can a perceptually infinite universe be expanding? Into what is it expanding? More space? If so, why isn't that space part of the universe? How can it keep accelerating outward? Does the universe have an outside edge? If so, what is beyond it? What is Cold Dark Matter (CDM) and how can there be so much of that it affects the velocities of stars and is yet unseen and undetected? Why doesn't General Relativity (GR) explain those velocities so that we need to assume there is CDM? Where do quantum particles go when they are in superposition?

Other than putting forth one failed theory after the other to describe Λ and CDM, the other questions are just not discussed. They can't be, because they are all illogical and science is built on logic. By common agreement, quantum physicists and other scientists just ignore those questions and just emphasize to their students that the math works.

They also ignore life, itself, in all non-biological sciences, assuming life is somehow the result of physics and springs forth from the universe somehow. Life is never part of non-biological science papers and even in biological papers it is not considered causative, but the result of chemistry and the processes being studied.

Only in theology is life considered to be causative, the cause of causes, and, even then, that life is attributed to an individual "god", who manifested and set the universe in motion and then sat back in its heaven to watch the show, so to speak.

Theology and physics are never part of the same paper. Like oil and water, they are considered to not mix. In science, life springs forth from the universe and, in theology, the universe springs forth from life. As 80-85% of the world's population believes in a deity or higher power, this separation needs to be resolved.

The Time Dilation Cosmology (TDC) model has already partially bridged that chasm, as several of the papers already published in physics journals contain references to life and perceptions of time passed on from lifeform to lifeform in an eternally evolving holographic universe.

This paper, which will probably never be published in a physics, philosophy or even theological journal, because theological journals tend to be specific to certain faiths, is intended to complete the bridge across that chasm for the 80-85% of the world's population that believes in a deity or higher power.

When quantum physics enters the "Spiritual" realm, outside all "scientific" laboratories, so exact results can't be duplicated there, we get into the "laboratory of life". Moses knew what he did about eating stuff, because he had the benefit of 1,800 years of people, at least, passing on their observations and collective wisdom. We now know all the reasons behind his dietary laws...decomposition and bacteria.

We also have religious practices about sex. We have a LOT of them.... The author believes that the Creator has made us naked because skin is more sensual than fur. He also thinks that heightened sexuality in the Creator also accounts for the dysphoric. "Be fruitful and multiply" and really, really, really enjoy doing it.

The "quantum tales" in this paper all provide evidence from the laboratory of life for what is postulated, and some have common aspects. Quantum physics has gone spiritual.

Though the author references physics derivations not found in this paper, so as to keep it as simple and uncomplicated as possible for the non-scientist, it is strongly recommended those references be referred to by the scientifically minded for clarification when necessary.

1. Introduction

As of this writing, the author has been advised that most of the PHD students in one prominent university are being introduced to this model of the universe and download patterns indicate multiple universities on the author's university contact list are doing the same. The author's contact list covers 50 universities worldwide.

This is the sixth paper in a series on Time Dilation Cosmology, TDC. TDC is an eternal, perceptually infinite, holographic model of the universe based on time dilation. The reader should not expect it to be part of the Lamda/CDM/Big

Bang/General Relativity tensor-based, fixed space models. It is a spacetime/quantum continuum evolving forward at the speed of light, c , in the forward direction of time. Even though we perceive solid objects, those objects are made up of subatomic spacetime events that are evolving forward at relativistic velocities very near the speed of light. It is a universe of light, not rock.

In the Standard Model of particle physics, they call these evolving events “particles” and in quantum physics they are called “waveforms”, but they are neither a particle nor wave. They are just evolving *events* in spacetime. When a spatial event is repeated over itself as the continuum evolves forward, it appears to have permanence, but nothing is permanent in the evolving continuum where the only constant is change.

It is strongly suggested the first-time reader refer to the author’s previous papers to clarify concepts when necessary.

In the TDC model, there are two forward directions of evolution, the Fundamental Direction of Evolution, FDE, which is in the forward direction of time, and the Gravitational Direction of Evolution, GDE, which is the evolution down time dilation gradients due to differences in the rate of time. Time is the force behind these evolutions and that force is gravity; the irresistible evolutionary force of time, which is the fundamental force of the universe.

In the author’s previous five TDC papers^[1,2,3,4,5], it was demonstrated that all gravitationally induced velocities are compensation for the apparent difference in the rates of time, “dRt”, due to mass/energy densities, i.e., time is dragging space forward, and, vice-versa, in all external force-induced velocities, the dRt is compensation for the velocity, i.e., putting a drag on the spatial events, so the uniform evolution of the continuum at c is maintained at the invariant 1 s/s rate of time of the universe as a whole. **Section 9** is a list of time dilation-based formulas using the dRt instead of the velocity. The reader will note that all these formulas are now expressed in terms of mc and mc^2 , as in Einstein’s energy formula, $E = mc^2$, instead of as a function of velocity.

In three of the previous papers^[1,2,3], an acceleration in time of $2.2686 \cdot 10^{-18}$ s/s within all lifeforms is noted to manifest the Hubble shift. The simple fact that plants grow upwards against gravity is proof of that acceleration as it is not possible to move upward against gravity without acceleration. For that acceleration to manifest the Hubble shift, however, it must be cumulative over time, passed on from lifeform to lifeform. This paper explains how that is accomplished.

It is also noted in those papers that, in non-locality, we find that what influences one of two entangled particles also identically, and immediately, influences the other particle, meaning the two entangled particles must be one in superposition and that the two traditional observers of the entanglement, Alice and Bob, must therefore also be entangled and be one observer in superposition, just as the entangled particles are. This paper also explains how they can be that one observer.

In quantum physics, we know the observer is always part of the system and influences what is observed. This paper also describes how the continuum is manifested and why, and how, we influence the evolving continuum.

2. The One Life

When we look at an amoeba, we see one life in one lifeform. When the amoeba reproduces, it copies its genetic code and divides itself in two. We now see two lifeforms, but still just the one life.

Likewise, both the sperm and ovum are alive, but when the sperm penetrates the ovum and completes the genetic map for a new lifeform, we still see just the one life inhabiting that lifeform.

Life only comes from life and is passed on from lifeform to lifeform. It does not begin in the seed or the womb, but flows onward through succeeding generations of lifeforms it inhabits.

All of us, all living entities, are simply more of us coming forth from within us and, if we could trace that process backwards in time to a “beginning”, we would inevitably come to a single life, the “One Life”.

Due to their ignorance about the nature of the Earth and the universe as a whole, our human ancestors derived various creation events and scenarios within their religions to try to explain where we all came from. In the Judeo-Christian world, scientists believed, and many still do, that the One Life began spontaneously on Earth in a primordial “soup” through a process called abiogenesis.

However, in the 1960’s, Fred Hoyle and N. Chandra Wickramasinghe gave birth to a new field of study, astrobiology, noting that the odds of abiogenesis happening in the lifetime of the Earth was nearly impossible, and, in a series of papers in the 1980’s, beginning with, "The Identification of the 3 Micron Spectral Feature in Galactic Infrared Sources"^[6], proposed a hypothesis that life was spread throughout the universe through a process of panspermia. In a recent paper, Wickramasinghe,

et al., note that, “If a few ribozymes are regarded as precursors to all life, one could attempt to make an estimate of the probability of the assembly of a simple ribozyme composed of 300 bases. This probability turns out to be 1 in 4^{300} , which is equivalent to 1 in 10^{80} , which can hardly be supposed to happen even once in the entire 13.7-billion-year history of the universe.”^[7]

Therefore, as the TDC model is of an eternal and apparently infinite universe, it is much more likely that life is also eternal, and we see evidence of that throughout the universe, including from the James Webb Space Telescope (JWST) with the detection of complex organic molecules, Polycyclic Aromatic Hydrocarbons (PAH’s), in galaxy SPT0418-47, 12.3 billion light-years away, which is also rich in heavy elements.^[7]

We see PAH’s everywhere we look in space. They cover the galactic dust that obscures parts of the Milky Way^[7] and is what is responsible for the large brown patch we see on Pluto. When astronauts do space walks, whether on the moon or just outside the International Space Station (ISS), their space suits stink from the PAH’s when they come back inside.

PAH’s are the detritus of oil, which is the detritus of lifeforms. We also find them in charred meats, automotive exhausts and the smoke from wildfires.

A great many scientists who still cling to the abiotic hypothesis propose the PAH’s we see in space are due to the degradation of methane gas, but this is a far reach just due to the amount of PAHs we see and it is much more likely they come from lifeforms. Many of these scientists also still claim life is unique to, and began on, Earth, which is, frankly, ludicrous now that we have official videos of what are obviously extraterrestrial vehicles flying alongside our military aircraft and NASA’s Curiosity rover’s photos of bones on Mars from what can only be a crashed alien vehicle^[8].

Additionally, the amino acid glycine, along with related precursor molecules methyl amine and ethyl amine, and phosphorus, a crucial element in living organisms, were found in the Comet 67P/Churyumov-Gerasimenko^[9], and an exoplanet with hot water oceans, K2-18b, discovered at a distance of 124 light years from the solar system, has evidence of the biomolecule dimethyl sulfide, a molecule which is only known to be produced on the Earth by phytoplankton^[10].

When a new planet is born and has water that can be used to build and sustain lifeforms, PAH’s are also present throughout the planet. Without these, new

lifeforms cannot sustain themselves as life only comes from life and lifeforms must consume the detritus of other lifeforms, both fresh and decayed, to maintain themselves.

So, when a comet sprinkles bacteria and other microbes on a new planet, those microbes can consume the PAH's in the soil and water and flourish and evolve into the wonderful panoply of lifeforms we see on Earth, both past and present.

Bacteria (e.g., *Pseudomonas*, *Mycobacterium*, *Sphingomonas*), fungi (e.g., *Phanerochaete chrysosporium*), and actinomycetes (e.g., *Nocardia*, *Rhodococcus*) are some of the main organisms capable of breaking down PAHs. These organisms utilize specialized enzymes to metabolize these toxic compounds.

Eventually something collides with such a planet, now full of oil, and shatters it, creating more comets carrying more microbes and genetic materials to seed other planets.

All this evidence, and more, as found in the papers of Wickramasinghe, et al., in Volume 30 of the *Journal of Cosmology*^[11], which can also be found in book form as, "*The Convergence to Cosmichromia*"^[12], clearly indicates that lifeforms are a universal phenomenon.

As the universe is eternal, it also stands to reason that the presence of lifeforms, and, therefore, life itself, is eternal and spread from planet to planet via comets as in panspermia, now being termed "cosmichromia" by Wickramasinghe^[11,12]. (The author needs to note that he is a coauthor on three of the papers in Volume 30, and is also Managing Editor, of the *Journal of Cosmology*.)

When we now consider that we come to just the One Life when we trace backwards in time, and that the One Life is eternal, we gain a new perspective on the connection of life to the universe. Just that One Life has inhabited every lifeform throughout the universe for eternity. And it is eternally alone, even though it inhabits numberless lifeforms simultaneously.

2.1 The One Life: Connections

We know that when we create two particles together, let's say electrons, they are entangled in spacetime. What influences one will always identically, and immediately, influence the other, no matter how far apart they are or how much time has passed since their creation and separation. We call this non-locality.

We know this is true because we can demonstrate it in an experiment where the two traditional observers of the particles are named Alice and Bob.

Let us say Alice and Bob are a billion light years away from each other and Alice flips her electron with an electric current. Immediately Bob's electron also flips. The only way this can occur is if the two electrons, and the two observers, are one in superposition, i.e., the two observers are just different points of view for the same observer: the One Life.

Two or more observers of the entanglement of entangled particles, also must be entangled and be one in superposition.

We also know that telepathic communication is a real phenomenon, and instantaneous, partly because of the work of Russell Targ and Harold Puthoff, who did a study on remote viewing for the CIA^[13].

The author has also experimented with telepathy and distant viewing. In 1972, the author and a friend were staying in the Raffles Hotel in Singapore while deciding where to go next after finishing their jobs in Singapore and Djakarta and one day the subject of telepathy came up as it was already a part of the author's studies.

To test it, his friend went into the bathroom with a pad and pen and the author lay down on a bed and went into a deep meditative state. When he was ready, he told his friend to draw something and the author said he sensed a bell ringing. His friend then drew another picture and the author said he saw a spiral.

His friend had first drawn a desk phone and then a cigarette with smoke spiraling up off the tip.

He also had a very memorable telepathic experience once while aboard ship.

It was his mother's birthday and he was Third Officer on a ship far out in the Atlantic and he wired his mother some roses for her birthday.

Later, when he lay down to go to sleep, just as he was drifting off he was overwhelmed by a huge wave of grief so big it made him jump out of bed, shaking and trembling.

When he returned home after he left the ship, his mother told him she had a heart attack at that time which, fortunately, turned out to be "just" angina.

Remote viewing and telepathy are also immediate and so also demonstrate that we are all one in the One Life. However, our egos are unique to the lifeform being

inhabited and we all have free will even though our lives, our individual universes, are all harmonized in superposition.

This means that, although we appear to be so many, we are all ultimately eternally alone. We are all that eternally alone One Life which is why we hate boredom and fear loneliness, which we use as a punishment, sending our children to their rooms and putting unruly prisoners in solitary confinement. To understand the One Life, we merely need to know ourselves. We are created in its image not in our fingers and toes and nose, but in our spirit. We have a loving spirit, an angry spirit a dramatic spirit, a humorous spirit, etc., because it does. We also are all imbued with a holy spirit we indulge in when communing with the One Life, our greater self.

3. Origins

In quantum physics, we now recognize that life, in the form of the observer, affects the observed, but we still do not recognize its influence in classical physics and aspects of being alive, like “spirituality” and religion, are never allowed to be a part of our physics, and other, science papers. The original version of this paper, for instance, was rejected by both a physics and a philosophy journal due to the inclusion of life, spirituality and religion in its subject matter. However, as per this paper, if we do not add life, itself, to the model, we can never actually describe what is happening.

We now have one life inhabiting one universe. We also know that the observer is part of the spacetime continuum and, as a continuum is a singularity with no separate parts, if one part of the continuum has life, so does the whole continuum. Split a rock, and it is there, and we see this in the non-locality of Alice and Bob, who are just different points of view for a single observer, even though they are separated by a billion light years.

For each observer, their individual point of view is the center of their universe and how that universe evolves is partially determined by the observer. As this is being read, what is unseen behind the reader does not exist except in superposition as possibilities and probabilities in the “quantum field”. It is only when the reader turns around that their possibilities collapse into their specific universe and appears to consist of fixed objects rather than an evolving energy field.

So, where are events when they are in superposition?

When quantum events (particles) are in superposition, they are not in a single, well-defined state, but rather exist in a combination of all possible states. As the

universe is a logical construct, the only possibilities must be logical. Illogical events cannot exist as possibilities.

As we normally see a continuous evolution of events, the probability that events will continue to evolve inertially, as in the TDC and other models, is highly probable, but any logical possibility can occur instead, no matter how improbable.

So, who do these possible events appear to be logical to when they are in superposition? As there are no lifeforms capable of observing them in superposition, it can only be the One Life, i.e., all events exist in superposition only in the mind of the One Life and they only collapse into a single reality when the One Life observes them through one of its lifeforms.

When an object is travelling at c , the outside observer sees time appear to stop for the travelling object. Because photons are travelling at c , time also appears to stop and an instant in time is frozen, allowing us to look back some 13.9 billion years to the cosmological horizon. This is true of all photons, however, and even an object held close to the eye is an instant frozen in time because the light from it is travelling at c to reach us. We don't see the evolving continuum. All we see are instants frozen in time. All we see is the past and we only experience the present within ourselves. This means the continuum is evolving forward in such a way as to manifest our individual experience in the present because all the events surrounding us have already occurred.

Even if we could observe a mass directly, without photons carrying the image to us, it would still appear to be frozen in time because the sub-atomic spacetime events ("particles") making up the mass are evolving forward at relativistic velocities, as derived in the electron derivation in "The Unified Field"^[4], and time appears to nearly stop.

Thus, we can say that the "solid" universe, the world of "rock", only exists in superposition in the mind of the One Life as possibilities and probabilities until it is manifested through the One Life's observation, through one of its lifeforms, of specific instants frozen in time. This also allows us to postulate that the spacetime continuum only exists if the One Life is aware of it, meaning it is the One Life's self-awareness of being "here" "now" that manifests the spacetime continuum and all that that includes, i.e., all the spatial events manifested through the TDC model.

Thus, the universe, which is an eternally evolving holographic field, originates with the eternal One Life, not the obverse.

In three of the previous papers^[1,2,3], an acceleration in time of $2.2686 \cdot 10^{-18}$ s/s within all lifeforms is noted to manifest the Hubble shift. The simple fact that plants grow upwards against gravity is proof of that acceleration as it is not possible to move upward against gravity without acceleration.

This derivation only works because the effects of the acceleration are passed on cumulatively from lifeform to lifeform throughout eternity. It is simply an aspect of the One Life's life. It is most likely necessary for the One Life to be aware of itself existing, of time passing.

That acceleration provides a primary time dilation field for the One Life's universe, with time appearing to go slower with perceived distance from all observers, all its points of view, in their inertial frames.

3.1 The Cause

We know we can understand the One Life by understanding ourselves. We are it.

What is our greatest fear? Loneliness ranks very high on the list. In fact, prolonged isolation drives people mad and, many, to suicide. If we put a termite or bee in solitary, they die.

Imagine being eternally alone in a dark void, just aware of yourself existing. That is not heaven, that is hell.

Fortunately, the One Life perceives the universal $\sqrt{3}$ acceleration in time as exerting stress on space, manifesting the $\sqrt{2}$ spatial acceleration and generating a primary light spectrum in the form of the Cosmic Microwave Background Radiation, CMBR, as per the paper "Time Dilation Cosmology"^[2], and can then manifest worlds through simple time dilation, as in the TDC model, that it can incarnate itself into to escape its eternal loneliness and pass its eternity. A mathematical proof of the $\sqrt{3}$ acceleration in time and resultant $\sqrt{2}$ spatial acceleration is the subject of the paper "Time Dilation Cosmology 3: Mathematical Proof of the $\sqrt{3}$ Temporal and $\sqrt{2}$ Spatial Acceleration Factors"^[5].

All living things are that, not just people. It is every microbe, blade of grass, bird, fish, mammal, etc., and we are all one in it and, since our parents were it, we are its children. It is manifesting our lifeform and universe around each of us each instant we live, which is why we can move our lifeforms according to our will and manipulate aspects of the universe.

And the reason we don't know what is really happening here, is because the One Life is *losing itself* here. We are all lost, because it is losing itself in what is its heaven, escaping its lonely hell.

This is why we are part of, and influence, what we observe. It is dependent on us and our greater self, the One Life, which is manifesting, or creating, the universe for us, who it is living through. The One Life can therefore be called the "Creator".

4. The Implications

We know the universe is logical, and now we know why. It is the product of logic.

Being logical, it is illogical to think that the One Life would completely lose itself in its creation. As we know from our own lives, wrong behaviors can cause us immense pain and suffering.

We also know that there are discouragements built into the creation to deter us from harmful behavior. If we consume too much alcohol, we get a hangover. If we persist and make it chronic, we eventually die a horrible death. The same is true of all gluttony. Even breathing too much too quickly will kill us. Too much water will kill us. Too much food kills us. But in each of these we get innumerable warnings. As we get fat, it is harder to move and our knees and hips begin to ache. And in all of these, if we stop overindulging, we return to normal.

For most of the beings on this planet, overindulgence is not a problem, though some species other than humans will overindulge on alcohol often found in fermented fruit, and some domestic animals will eat too much if fed too much. All creatures, barring madness, also seem to have a natural sense of "good and evil" and have an attitude of live and let live until it is time to eat, and, as a norm, everyone gets lunch each day until they *are* lunch.

It also doesn't matter if we, as people, know that the "Creator" within us is manifesting our world for us. But when one does, that person has an advantage as they can put their attention within and ask for things and get them. **Section 6**, consists of "quantum tales" demonstrating this. "Ask and you shall receive".

Our religions have developed due to the inspirations of our ancestors regarding the preceding, but are imperfect because the Creator is losing itself here. At the center of all the theological faiths, however, is the "golden nugget" of truth; that the universe, including us, are all manifested by a "Supreme One" out of light and that we are all its children and are all one in it.

The One Life, the Creator, is neither male nor female. It is the same life in both. The most important other to one eternally alone is a loving other. Hence, it makes us male and female and, in our loving, we bring forth more loving others from within us in the form of our children and, in so doing, participate in the creation.

We also participate in the creation in our daily lives by farming and building skyscrapers and spaceships and all the things we use, and also simply by observing.

It is important to note that every object we move is through the application of an external force. We must apply a force externally. This is only true externally. Internally we will the movement. Our will is the force that moves our bodies, which we use to manipulate our universe. And we are the One Life.

4.1 “Sin”

All of our ancestors came up with the concept of “sin”, which is supposed to offend the Creator, and we all agree on nearly all we call sin and we can say sin is simply what is self-destructive behavior or behavior that is harmful to others and the community at large, which today rightly includes undo damage to the environment and our other lifeforms.

As all human societies have laws providing punishment for some sins, it can be said that human law is an extension of the Creator’s discouragements. However, this does not mean *all* human laws are just or fair. Indeed, when they are oppressing the human spirit, they are suppressing the One Life in its heaven and are negative and evil in their effect. Nearly all of the major faiths have oppressive aspects in some of their sects like this.

Most of these oppressions are by people who think they know better than the Creator. For example, the Creator made women a pleasure to see, but some say it is evil for the woman to display her beauty, or for a man to look upon it. And the Creator intends women to enjoy the act of procreation, but some say that is evil and dismember women’s genitals. While most of the world enjoys art, music, song and dance, some prohibit it, oppressing the joy and celebration of life.

Another example, outside the religious context, is the well-intentioned United States .08 BAL drunk driving law that saves 3,200 lives per year, but which caused the suicide rate to shoot up over an additional 23,000 because rural dwellers have nowhere to go at night to socialize anymore and, with a 50% divorce rate, a lot of people live alone. In Ireland, which has a .06 BAL law, rural suicides went up so

high they started issuing “drunk driving permits” to rural dwellers so they could come to town and socialize.

It is the author’s observation that, in the religions, all these excesses are due to a mistaken belief that individual egos survive after death in an eternal heaven if they deny themselves, and others, some things here, but that is mistaken. The Creator is losing itself here in this, its heaven. Our egos are only as permanent as our lifeforms. There is no reason to keep our puny egos around for eternity, as the Creator is beginning a new life in each newborn. Our very Life is our eternal part, our soul, not our ego. If the Creator preserved just one ego per world, in an eternity it would have to have an infinite heaven to keep them in. The idea is simply ludicrous and, no pun intended, egotistical.

Then we also have political oppression and the brutality of tyrants who seek fame and fortune, thinking it gives them glory, while what they really are is murderers and thieves who won’t let their neighbors live in peace and prosperity. They call Alexander, “the Great”. But all that means is he was a great murderer and thief.

5. Religion versus Spirituality

The author differentiates between Religion and Spirituality. Religion is what we do or don’t do for our own health and the health of the community at large and is largely based on the wisdom of our ancestors.

For instance, we now know the bacterial reasons behind all of Moses’ dietary laws, even though he didn’t. But Moses was raised in the royal household, so had the benefit of the observations and knowledge of the 1,800 years of Egyptians who preceded him.

If one brushes their teeth every day, they do so religiously and have religion. Religion also consists of rituals we partake in to stimulate our spirituality and engage in the communal honoring and reverence of the Creator. “Religious” individuals are not always “Spiritual” individuals and many people who believe they are spiritual because of their religious observances are not. Ritualistically repeating rote prayers in the hopes someone is listening is not true spirituality.

Spirituality is our relationship with our greater self, the One Life. All the great spiritual teachers have stressed the importance of a true love of the Creator with all one’s heart. This involves a constant awareness of the Creator’s presence and a continuous communion with it. One who does this can hardly spend all day kneeling or bowing every time they speak to the Creator.

Religion rewards us with good health and a sense of community. Spirituality rewards us with entry into the wonderful quantum world of light, the Creator's true heaven, where all we need to do is ask to receive.

6. Heaven and the Quantum Tales

To begin this section, the author must state that he is non-denominational. Although the author has studied all the major faiths and their holy books, and adheres to much found in each, he claims membership in none as they all contain faults.

The author should note he was educated in Lutheranism, Episcopalianism and Catholicism in grades K-12. Also, while working in Djakarta, Indonesia, at age 22, he learned to wash his hands in acid, amongst other things, without harm from a Muslim Haj, as in Section 6.1.6. Although a bitter atheist at the time, this lesson in the power of faith led to a subsequent study of all the great faiths in the author's attempt to increase his faith.

The author does not believe in men being gods. Yes, we all are of and from the Creator, and have divine power when we have faith, but our puny selves can never do what our greater self does. We are never more than the created. Hence, Krishna, Jesus and the others were just enlightened men, certainly not the Creator. They were prophets, not gods. We are all completely human and partly divine, being the Creator's children, as Jesus taught.

The author also does not believe in angels or demons or in the presence of our ancestors. He does not talk to the dead in the hopes of currying favor with the Creator, who is his most intimate, ever-present, loving companion within.

It was not until the Council of Nicea that Jesus was declared to be fully human and fully divine. The council was a gathering of Christian bishops convened by Emperor Constantine in 325 CE to address a theological dispute and establish a consensus on Christian doctrine. The council was to address the Arian controversy, a dispute over the nature of Jesus. The Arian doctrine held that Jesus was a created being, not divine.

The council developed the Nicene Creed, a statement of faith that affirmed the divinity of Christ and condemned Arianism. The creed includes the statements "We believe in one God, the Father Almighty" and "And in one Lord Jesus Christ, the Son of God".

Constantine convened the council because he believed a single state religion could help unify the fractious empire. As Romans made gods of men, he wanted Jesus to be a god and wanted Christianity to be the state religion, having converted, himself, in 313 CE, and, politically, what could be better for a dictator than a population who believed they were meant to suffer here on Earth to earn a place in a heaven after they died?

As noted in Section 3, only logical events can exist as possibilities in superposition. This means that all “miracles” can only occur in the natural course of events. Unnatural events that are not logical cannot exist.

To demonstrate this and that Jesus was not “god”, the author has gone through the Judeo/Christian Bible, both Old and New Testaments, and explained all the miracles in terms of what actually occurred in the natural course of events. This includes Moses’ experiences on Sinai and Jesus’ supposed resurrection and his raising of the dead. This is an as yet unpublished preprint paper, “Biblical Tales”^[14].

When asked where the heaven he spoke about was, the prophet Jesus said it could not be said to be over there or over there or over there, because it is in our midst (or, in another version, within us). It is not “at hand” because it is coming tomorrow or the next day or in a thousand years, it is right at hand right now and we are living in it if we have the eyes to see it.

We enter it by simply putting our attention within and loving our greater self, the very life within us, the One Life, with all our heart, as Jesus taught. The author practiced what the founders of the faiths said to do, doing meditation and sensory deprivations to go within to find what they said was there, but only found himself. The author finally found the world of light, and the presence of the Creator, by simply asking for something, and receiving it, and this brings us to the quantum tales. Ask and you shall receive, seek and you shall find.

6.1 The Quantum Tales

It is not necessary to actually ask for something to get it as the Creator is always responding directly to our needs and wants. We can “ask” for something just by wanting it or simply looking for it. These tales eliminate the possibility of the formulation of an absolute quantum determination because they demonstrate how we affect what manifests for us, and as we have free will, all logical possibilities are always available.

Because the Creator is logical, it manifests the universe through logical processes. This allows us, its children, to manipulate the universe and do all the things we do in science and technology and is why classical physics, quantum physics and time dilation physics work for us, though many quantum physicists will admit that, even though the math works, they can't explain what is actually happening in the quantum realm.

However, even though science works for us, what is *actually* happening is far beyond our understanding and goes well beyond physics into the spiritual realm. These tales demonstrate that clearly.

When quantum physics enters the "Spiritual" realm, outside all "scientific" laboratories, so exact results can't be duplicated there, we get into the "laboratory of life". Moses knew what he did about eating stuff, because he had the benefit of 1,800 years of people, at least, passing on their observations and collective wisdom. We now know all the reasons behind his dietary laws...decomposition and bacteria.

We also have religious practices about sex. We have a LOT of them.... The author believes that the Creator has made us naked because skin is more sensual than fur. He also thinks that heightened sexuality in the Creator also accounts for the dysphoric. "Be fruitful and multiply" and really, really, really enjoy doing it.

The "quantum tales" in this paper all provide evidence from the laboratory of life for what is postulated, and some have common aspects. Quantum physics has gone spiritual.

6.1.1 The Caramel Corn

The author owns a museum and rents space in a large building. Across the hall there was a video rental store that sold movie snacks and one day the author noted they sold caramel corn.

When he got back to the museum, he had a strong craving for the caramel corn, which he hadn't had in decades, but resisted the strong urge several times since he knew if he got started on caramel corn, he would get into it and in a month have to go on a diet to lose the five pounds he gained eating the caramel corn.

The author brings fruit for snacks each day and when he is done with it he throws away the rind or whatever is left in the trash can outside what was then the video

store, and is now a video game store, as it is emptied daily, unlike the trash can in his museum.

Later that day, he ate his fruit and walked over to throw away the residue and in the trash can, right on top, was an unopened bag of caramel corn. Of course, he took the corn and got into it for a month and when he finally stopped eating it had to go on a diet for a month to lose the five pounds he gained eating it. Thus, we do not have to directly ask for something. The Creator also responds just to desire and, in this case, with a great sense of humor.

Did that bag of caramel corn just materialize there for the author? In the quantum sense, yes, but if we had a video camera on the trash can, and we searched the video, we would find it came there through the natural course of events, like someone overweight who bought the caramel corn in the video store, but had second thoughts about it on the way out and simply threw it away. That is, of course, a possibility, as improbable it is as a mere coincidence.

However, if we had no way to go back and look, it would be the same as if it just materialized there, as our worlds are always materializing around us for us out of what are just the logical possibilities and all that is needed is the logical possibility it could occur, not that that possibility actually occurred.

As in the “Biblical Tales”^[14] paper, miracles will always appear to have occurred in the natural course of events when scrutinized.

This effect due to scrutinization is similar to what we see in the dual slit phenomenon with the electron.

If we have a solid barrier with two slits in it and have a screen behind the barrier, when we fire an electron at the screen midway between the slits, we will see that the electron passes through both slits simultaneously and behaves like a wave, creating a wave interference pattern on the screen. However, if we put a video camera on one of the slits to observe what is happening, the electron will pass only through that one slit and leave a single dot on the screen as though it is a particle.

So, is the electron a wave or a particle? It is neither. It is just an electron and how we scrutinize it affects what we see it as.

6.1.2 The Red Marble

The author’s museum is a sea glass museum and he would ocean kayak to his favorite collecting site where he was normally alone. He landed at the beach one

day and found two marbles right next to each other right next to his kayak. They were just plain, colorless, well frosted, meaning they had been on the beach a long time, marbles but marbles are rarer than reds (which are 1 in 5,000 pieces) and to find two right next to each other is remarkable.

So the author said, "Lord, (the Creator is neither male nor female, but this is how he address it) thank you. I sure would like to find a red marble, though. I've got a blue one, and I thank you, but I sure would like to find a red one."

He put that thought aside and went back picking and after about 2 hours was tired and it was time to go tide-wise, but there was just a little more beach to cover, so he decided to just make a quick pass and see if he could spot anything big just lying on top. Normally he would walk very slowly, looking for the gems amongst all the other glass. Just before he got to the end there was a huge red marble,

Figure 1.

It is 15/16ths of an inch in diameter. It is a beautiful blood red with a white swirl that forms a wave. The author has been advised by two experts that it is a Christiansen marble, a "bloody", made between 1906 and 1917 in Akron, Ohio. Christiansen was the first to machine make marbles. The beach it was found on first became a dumpsite in 1906 when the center of town was destroyed by the 1906 earthquake that destroyed San Fransisco. That refuse was dumped on the beach and it became the official dumpsite until 1943.



Figure 1: The Red Marble

Then, when the author bent down to pick up the marble, there were also two pieces of jewelry quality red glass, one on either side of the marble. As reds are 1 in 5,000 pieces, the odds of this being just a coincidence are nearly impossible. The author sees this as the Creator talking to him. The two red pieces were the Creator saying the marble was not a coincidence, that he asked for red and got red. The odds of finding all three together are just too vast for it to be otherwise.

The author also notes that he had only pictured a small, regular sized red marble when he asked. He finds the Creator always gives us a much better version of what we ask for than what we imagined. He believes this is because the Creator has a by-far greater imagination than we do.

The point here is that neither the marble, nor even that section of beach it lay upon, existed for the author until he observed them and all the superposition possibilities collapsed into his reality, which was partly determined by his wishes, faith and expectations.

In this case we can see that, as he was alone on the beach, it was impossible someone dropped the marble that day before he got to it.

However, even though it is also possible it was there before the author asked for a red marble because someone threw the marble away a long time ago, as the beach was a dumpsite from 1906 to 1943, and it had just come to the surface on that day, it is highly improbable it did that just before the author asked for a red marble, especially when considering the two pieces of red glass adjacent to the marble.

The author should note that, unlike the first two marbles he found that day, which were well frosted, proving their time on the beach, it is not possible to judge red pieces of glass the same way as it is gold that gives red glass its luster and the gold impedes the electrolysis associated with the dissolving of the glass in salt water that produces the frosting.

The author also wishes to note that he has also learned not to try to force things into being with his own puny will, as what he got when he tried to do that were horrible versions of what he tried to force. He only tried it twice. Once it got him propositioned by a horrible hag of a woman with filthy clothes, matted hair and rotten teeth. The other time it got him a hot hell ship carrying liquid asphalt at 350° F, which stank of sulfur, whose Chief Officer was an alcoholic and a Master (Captain) who was a ranting madman. It was so bad he saw the entire crew change one and half times in just 4 months aboard as the crew got fed up and quit or got fired. That kind of crew turnover is extremely rare.

In these cases, it was possible the author could find woman to date and could get a job on a ship, but it was also possible he could get such horrible versions of what he tried to force, which is what he got.

6.1.3 The Girl and Reds

One day there was a girl about age 8 or 9 on the beach with her parents, who had trespassed on the headlands to get there. She was only looking for reds (1 in 5,000 pieces). In two hours, she found nine reds, whereas the author, who was looking for whatever stood out, would find a red every three or four months.

At one point she ran up to the author and started talking to him and, as they were finishing up, she looked down and picked up a beautiful red from right between his feet, where he was looking when she ran up to him. Hence, the red materialized for her, in her universe, but not for him in his universe until she found it and showed it to him.

Children tend to find what they are looking for because they believe they can.

Seek and you shall find.

6.1.4 The Stranger's Tale

The author began his business by selling on the headlands above the beaches. One day a man came down and asked him where to look. He told the man there was a slag pile in the cove next to him and that because it replenished the beach he might find something rare like a red.

He came back in about 15 minutes with a beautiful red and asked the author where else he could look. Knowing what was happening and laughing to himself, he told him he could go to the beach behind him and that there was much more glass there and maybe he could find something even rarer, like a grape purple.

He came back in about 20 minutes with a beautiful grape purple. Grape purples are one of the rarest colors, being just 1 in 10,000 pieces. The author found only four in ten years of collecting.

The man simply believed what he was told, as would a child. Sound familiar?

6.1.5 A Roll of the Dice & the Toss of Coins

One evening about 40 years ago, the author was playing a game of backgammon with his wife and discovered he could know when to throw the dice to get the number he wanted. He actually wanted to throw doubles and while shaking the dice cup and calling out, "Doubles! Doubles! Doubles!", he felt he knew when to throw the dice to get his doubles as the "feel" of the dice cup changed. He got his doubles and managed to get doubles 5 or 6 times in a row, winning the game. Sadly, that was the last time he played backgammon with his wife, who became quite angry over the how the game ended.

The author can still do this and, though he is not controlling the dice, can throw a requested number 8 out of 10 times in the first set of 10 he tries. The same is true of the toss of 2 coins, where the author can toss 2 heads, 2 tails or a head and a tail as requested, also 8 out of 10 times in the first set of 10 he tries.

The author must stress that he is not controlling the dice and coins, but knows when to toss them by how they feel as he shakes them in his hand. The closest description he has of the feeling is that they get "heavy", but that is not completely accurate.

The feeling can come in a short time or take up to 10 minutes or so of shaking. He normally just engages in conversation until it comes.

6.1.6 The Washing of Hands in Acid

At the age of 22, in 1972, the author graduated the United States Merchant Marine Academy at Kings Point, New York, and went to work for a company in the Far East. He spent 3 months in Singapore and 3 months in Djakarta, Indonesia. In Djakarta, he was running a crew boat to the offshore oil fields. He spent a day and night in port and a day and night at sea.

The oil field boats docked in a marina across the street from the Bamboo restaurant, which was run by a Dutchman who had married an Indonesian woman and remained when Indonesia got its independence. Most of the expatriates took most of their meals there when they were in port and the author was having dinner there one evening, talking about psychic phenomena, and a waiter named "Tahn" overheard him. He told the author he had a friend taking lessons in such things from a holy man and asked him if he was interested. He said he was, so Tahn went to his boss, John, and got the rest of the night off.

The two of them then hopped in a cab and rode a long way through Djakarta to a gas station where Tahn's friend was an attendant. He told his friend that the author was interested in what he was learning and his friend left the station and then came back with a bottle of what the author was told was acid. (It might actually have been spirits of salts, a very strong base, but the author was told it was acid.) The attendant poured the bottle out into an empty 55-gallon drum top and then reached around on the ground for scraps of metal to throw into it. The scraps began to foam blackly and dissolve. He then composed himself and put his hands into the liquid. Removing his hands, which were unharmed, he asked if the author wanted to learn how to do that and he said he did. It should be noted that the author spoke no Indonesian and only Tahn spoke English and was the interpreter during all that follows. Of the following people the author dealt with, he only ever knew Tahn's name.

Tahn's friend then went to his boss and got off work and the three of them piled into another cab for another very long ride through Djakarta, finally arriving at their destination high in the hills outside Djakarta at about midnight. When they got there, the "Haj" was out praying at the bedside of a sick person, so they had to wait for a short while. The author will be calling the holy man who taught him the "Haj" because that is what Tahn and the others called him. Normally this term

refers to the pilgrimage to Mecca Muslims make, but it was also used to refer to the teacher, perhaps because he had made the pilgrimage.

When the Haj returned, it was explained to him that the author wanted to learn. He looked at the author deeply and then called for his 7 year-old son and had him extend his arm. Then he took a large safety pin and straightened it out as best he could. He sterilized the pin in a flame and then he laid the pin against his son's forearm and gently pushed it through. Once through, he wiggled it about. His son never flinched and showed no feelings of pain in his eyes.

The Haj then removed the pin, wiped off a drop of blood from his son's arm, pointed at the author and said, "Now you". The author had just seen a young child do this, so he believed he could also do it. He stretched out his arm. The Haj sterilized the pin in a flame, laid it against the author's arm and gently pushed it through. He wiggled it and looked deeply in the author's eyes for signs of pain. When he saw none, he withdrew the pin, wiped off the speck of blood and said he would teach the author.

He then had a ceramic bowl, a spoon, and a bottle of the acid brought to him. He emptied the bottle into the bowl and dipped the spoon into the liquid. It came out foaming and dissolving. He composed himself and put his hands in the acid. When he withdrew them, there was no damage. This is what he was going to teach the author to do.

He told him to rise at 4 AM the following Wednesday. He was to fast all day. No water, no food, no cigarettes (he had about 4), no women. He was to say a prayer he later found out to be in Arabic 1,000 times (he said it about 800) (that same prayer later saved the author's life in Izmir, Turkey, but that is another story). Then he was to return to the Haj's house at midnight.

The author would note that during the day, the author and a friend went to a casino and in about two hours he won over \$300 (about \$3,000 in today's money) and, after success at blackjack, hit his number, 13, several times on the roulette wheel, drawing a crowd.

This success was because the Creator is always trying to please us and, when we reject everything, as in fasting, it tries to please us even more. This is why fasting often gives the fasting what they desire.

When the author and Tahn arrived at the Haj's house, they were not alone. All of his other students were there as well as *his* teacher, a much older man. The author

was a big deal because he was, in their eyes, a heathen. After initial greetings, the Haj's wife brought out a tray with small cups of several different types of delicious tea on it, and the author was allowed to have one sip of each. Then she brought out a bowl of white rice and he was allowed one bite of it to end his fast.

Next came the moment of truth and the ceramic bowl, acid and spoon came out. As during his previous visit, the Haj poured out the acid, dipped the spoon and washed his hands in the acid. Then he called over his young son and his son did it. Then he looked at the author and said, "Now you". The author had just seen 2 people do this, including a boy of about 7 years. They had the author remove his rings and he composed himself and slowly put my hands in the acid, which felt just like water.

When he removed them, the Haj and the Haj's teacher each grabbed a hand, inspecting them closely for injury, and looked in the author's eyes for pain. When none was found, everyone let out their breath in a collective hubbub of excited chatter.

The room they were in, indeed, the whole little adobe-style house, was lit with small oil lamps on the walls. The old man now reached up and brought down one of the glass chimneys. He wrapped it in a handkerchief and smashed it on the table. When he opened the handkerchief, he and the Haj each took a piece of glass and chewed it up. Then they rinsed it out of their mouths with water. The old man then looked at the author and said, yes, "Now you". So, the author picked up a piece of glass, put it in his mouth, and carefully chewed it up. They made signs he shouldn't swallow it and, when he rinsed it out, they gave his mouth a more thorough examination than the last time he visited the dentist. They found nothing and again everyone got very vociferous. (The author needs to note that he does not consider the chewing of glass to be special, as he has seen many other people do this. He was just very careful while chewing, keeping the glass between his teeth.)

It was time to leave and, as they were leaving, the Haj told the author he could now do this whenever he wanted, without fasting and prayer, but he could only show it to true seekers, not to just the curious. The author wishes he hadn't said that.

Having gotten back to his boat about 4 AM, the author slept late and finally went to the Bamboo restaurant for a late lunch. When he got there, he was amazed to find that Tahn had about 20 people waiting to see him wash his hands in the acid. He didn't know what to do. On one hand he had the Haj's warning in his mind, on the

other he had Tahn's and his own "face" to consider. As he didn't want Tahn to lose face after what he had done for him, he foolishly decided to do it.

Tahn sent someone to get the acid. A ceramic bowl and spoon were provided and the show was on. The author emptied the bottle into the bowl, dipped in the spoon, pulling it out black with foam. He removed his rings, composed himself as best he could, and put his hands into liquid fire! The burning was terrible! After a few seconds he withdrew them, showed them to everyone, and excused himself to wash them off in a nearby fountain (it was an open-air restaurant). The burning lasted all day and night. The next morning his hands were brown and he lost several layers of skin.

A bitter atheist at the time, this was the author's first lesson in "faith". The night before, he *believed* he could do it because he just saw someone else do it, including a small child. The next day, he had doubt, not faith, because of the Haj's warning. As he didn't believe in the Creator back then, it was not faith in the Creator that let him do what he did, but faith itself. Faith works, no matter what it is put in, because we are participants in the creation and the Creator's children.

From that day forward the author studied all the great faiths to find what the founders of those faiths knew, to try to build that feeling of faith, but it was not until two years later that he realized the presence of the Creator and entered the world of light Time Dilation Cosmology describes and left the world of rock behind.

As only logical possibilities can become our reality, it follows that the effects of faith are logical in the mind of the Creator.

6.1.7 The Rose Glass and the Holy Grail

When the author began his sea glass jewelry business, he used to sit down near "Glass Beach", where he collected his sea glass, to sell his jewelry to the tourists.

He was sitting there the second week he began selling in June, 2005, reading "The DaVinci Code" to pass his time.

He had just read about a five-petaled rose, pictured with 3 leaves in the book, the major symbol in the book because it represents the Holy Grail, which is what the book is about. What he had read was, "The rose is synonymous with the Grail", and was sitting there thinking about that when a woman came back up off the beach and asked him if it was usual to find rose-colored glass.

He said, "No, rose is very rare. I don't even have any." It is about 1:3,000 pieces and I had only been collecting for a couple o weeks.

She said, "Well, I found a piece," and put her hand in her pocket. He expected her to pull out a small pebble. Instead, she handed him one of the most beautiful pieces of beach glass he had ever seen come off the beach at that point.

He looked at it and was totally in awe when he saw it had a perfect five-petaled rose on it, complete with three leaves: *the very same rose he was reading about in the book when she walked up!* **Figure 2.**

When he showed her what he had just read and the picture in the book, she gave him the piece of sea glass. He tried to turn it down, but she insisted.

The kicker to this tale is that she was from "Santa Rosa", or "Saint Rose", California.

A friend of the author, Rachel, from New Brunswick, Canada, found a piece with the same pattern and identified the pattern online. It was made by Jennifer Glass between 1932 and 1934, and the pattern name is "Adam", which means "man".



Figure 2: The Rose Glass

6.1.8 Her Father's Birthday

Synchronicities, like the rose glass tale, are coincidences that are too coincidental to be mere coincidences. This next story is one of the author's favorites.

A woman came into the author's museum a few years after he began it and brought in a shot glass full of sea glass from Maui's glass beach to donate to the museum and she and the author had a nice conversation about synchronicities.

Several years later she came back in and told the author the following story.

She had been looking for sea glass on a beach in southern California and she found a piece of pottery that had her father's complete birthdate on it, day, month and year.

She has a friend who collects antique pottery and sent it to her to see if she could identify it, and she could.

It came from a town in Pennsylvania that both her father and grandfather had lived in.

It was part of the bottom of a mustache mug that was made for a specific regiment in the army that both her father and grandfather had served in.

The kicker: her grandfather had worked in the factory that made it.

She had it put in a gold bezel so she can wear it as a necklace.

6.1.9 Japan Isn't There

This is a different tale in that it is about what was not found.

The author is a retired merchant marine, having spent 27 years at sea visiting over 50 countries on every coast of every continent except Antarctica.

In the 1970's he was the Second Officer on a ship going to the Far East. The ship was running a direct great circle, the shortest route, between San Francisco and southern Japan.

The Second Officer is the ship's navigator and stands the 4-8 watch in the morning and evening so he can get star fixes during twilight, when both the stars and horizon are visible.

On the morning they were to make landfall, after a 22 day passage, the sky was crystal clear with no moon and the stars were all shining brightly, allowing him to shoot six stars that plotted as a perfect pinwheel on the chart; a perfect fix.

At 8 AM, the author got off watch and told the Captain they would be making landfall at 10 AM.

At noon, he was called to the bridge and the Captain asked him where Japan was. Celestial navigation was done longhand in a notebook and was kept as a part of the ship's records for the duration of a voyage. The Captain checked the celestial navigation and everything was as it should be, including average speed for the day's run, fuel consumption in barrels per mile and the amount of propeller slip. Everything worked out perfectly...except Japan wasn't there until two more hours. It was 60 miles further than it was supposed to be. No answer was found.

Years later the author was Captain of another ship and it was on a great circle from San Francisco to Yokohama, Japan, the same route.

Two days from Yokohama, he called in his Second Officer and asked him to work a great circle backwards from Yokohama to their present position. By then this was done by a navigation computer in just a few minutes.

After about an hour, the Second Officer came down and nervously started apologizing for his error, which he couldn't figure out, and said that there was an additional 60 miles to go and the author stopped him and told him it wasn't his fault and explained his own experience.

It is rare that ships cross the entire Pacific on a great circle because other stops or weather can require changes. The author only did it on these two voyages.

He has checked with cartographers and found no answer. It does not occur on aircraft. Just ships and, possibly, just those two ships on those two voyages. But the author prefers to think not and that, if one were to sail a great circle from San Francisco to Japan today, that Japan would not be there.

This is a perfect example of how the universe is not always what it appears to be. The author is not sure of what logical quantum possibility could allow for this, but there must be one as all events must be the result of logical possibilities, and navigation is too precise to allow it to have been a navigational error.

7. Summary

We began with a brief summation of the Time Dilation Cosmology (TDC) model in which the universe is an eternal and perceptually infinite holographic continuum evolving forward at c in the forward direction of time and that the difference in the rate of time, dRt , at the coordinate point manifests gravitationally induced velocities to keep time dilated masses up with the evolution, and is also compensation for external force-induced velocities so nothing gets ahead of the evolving continuum. Time places a drag on space in both instances and also manifests the Cosmic Microwave Background Radiation (CMBR) by putting stress on space due to its $\sqrt{3}$ universal temporal acceleration, which also manifests a $\sqrt{2}$ acceleration on spatial events.

We then demonstrated that all lifeforms are inhabited by a single life, the “One Life”, that manifests the universe out of all logical quantum possibilities so it can escape its eternal loneliness and pass its eternity and, furthermore, that all living beings are one, being just different points of view for that One Life, and that the lifeforms participate in the creation through procreation and the manipulation of aspects of the creation, both physically and, as in **Section 6**, through their hopes, desires and requests, and also simply by observing.

It was also noted that all “miraculous” events can only be explained in terms of the logical evolution of events, as in the author’s “Biblical Tales”^[14] paper.

8. Conclusion

The universe is an eternal manifestation of a single eternal self-awareness, the One Life, or Creator, wherein it can incarnate itself to escape its eternal loneliness and pass its eternity. It is within the mind of the One Life that all logical quantum possibilities exist, and only logical possibilities can exist as the universe is a logical construct. As we see the influence of faith in the quantum tales in Section 6, the influence of faith is also a logical possibility in the mind of the Creator. This is because all living beings are one in the One Life and are its children and, hence, have divine power in faith.

As the most important other to one eternally alone is a loving other, it manifests us as male and female and, as such, we participate in the creation by bringing forth more loving others from within us, by manipulating aspects of the universe and simply through our observations, wishes, desires and expectations. This explains why, in faith, we have divine power and why all we need to do is ask to receive, seek in order to find, and knock so the door of understanding is opened.

This, then, eliminates the possibility of finding an absolute quantum determination.

9. Time Dilation-based Formulas

$$V_{Co} = c\sqrt{(dRt)} \text{ for simple, nearly circular, orbits within a Kepler Zone.} \quad (1)$$

$$V_{Eo} = \sqrt{(2(c^2(dRt)) - (c^2(dRt\alpha)))} \text{ for elliptical orbits within a Kepler Zone.} \quad (2)$$

$$V_{Go} = (c\sqrt{(dRt)})/\sqrt{3} \text{ for galactic rotation velocities for stars outside the Kepler Zone. This is the fundamental compensatory velocity formula.} \quad (3)$$

$$F_T = (c^2 * dRt) \text{ for the force of time in Newtons in the FDE} \quad (4)$$

$$E = mc^2\sqrt{(1 + dRt)} \text{ for Einstein's energy formula.} \quad (5)$$

$$E = mc^2(1 + dRt) \text{ for charged elementary particles.} \quad (6)$$

$$F = ((mc^2)(dRt))/(r) \text{ for centripetal force \& gravity.} \quad (7)$$

$$F = \frac{(Mm)(r_1)(c^2)(dRt)}{M_{\odot}(r_2)^2} \text{ for the force in Newton's for 2-body systems.} \quad (8)$$

$$F = (Mm)(R_E)(c^2)(dRt_E)/((M_{\odot})(RM)^2) \text{ for a 3-body solution for the force in Newton's for 2-body systems, in this case Earth, Moon and Sun.} \quad (9)$$

$$M_{\odot} = \frac{c^2(R - T_0)}{G} \text{ for the mass inside a stellar circle.} \quad (10)$$

$$G = ((rc^2(dRt))/M) \text{ for the empirical gravitational constant.} \quad (11)$$

$$\frac{M}{R} = (c^2 \left(1 - \left(\left(1 - \frac{3*(V_{Go})^2}{c^2} \right)^2 \right) \right) / 2G) \text{ for the Mass/Radius ratio of stars outside the Kepler Zone in spiral galaxies.} \quad (12)$$

$$H = \sum_i \frac{(m_i c^2)(dRt)}{2} + \sum_{i < j} ((m_i c^2)(dRt)) (r_i - r_j) \text{ for the Hamiltonian.} \quad (13)$$

$$u = (c(\sqrt{dRt_v} + \sqrt{dRt_{u'}})) / ((1 + (\sqrt{dRt_v} * \sqrt{dRt_{u'}}))) \text{ for summing relativistic velocities.} \quad (14)$$

$$\gamma = \frac{1}{\sqrt{1-dRt}} = 1/\sqrt{T_0} \text{ for the Lorentz Factor.} \quad (15)$$

$$u = \|\vec{u}\| = \sqrt{(c^2 dRt_x) + (c^2 dRt_y) + (c^2 dRt_z)} \text{ for the Euclidean norm of the 3d velocity vector.} \quad (16)$$

$$U = \gamma(c, \vec{u}) \text{ for the Four-Velocity.} \quad (17)$$

$$\frac{8\pi r(dRt)}{c^2 M} \text{ for Einstein's Gravitational Constant} \quad (18)$$

$$F = q(E + (c\sqrt{dRt} * B)) \text{ For the Lorentz Force.} \quad (19)$$

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