

# American Butterfly 2

## SPIRITUALLY INSPIRED SOFTWARE

### *Chapter 1*

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# The Entangled Butterfly

*By Nick Ray Ball September to November 2012*

In the final chapters of 'The Theory of Every Business,' starting within "S-World" we initially looked at the basics of various software components including S-World Virtual Social Network, S-World Virtual Business Network, S-World TV integration, and the S-World.Biz business software package.

This chapter was followed by "The Sienna Project" which detailed the concept of transforming the various pre 04<sup>th</sup> April 2011 software contingents and network design into an economic system, which could assist the environment and in general, our lives, followed by a "jumping in at the deep end" tutorial of various aspects of physics.

Chapter 3, "Quantum Time" looked in detail at S-World UCS, the creation of simulated realities that we intrinsically link to the network, enabling our ability to "Virtually" time travel. So we can learn from our future mistakes and triumphs.

This chapter "The Entangled Butterfly" concludes with the software that defined the creation of American Butterfly currently entitled "The PQS" Predictive Quantum Software. I say currently as for technical accuracy its title may change to "QPS" Quantum Probability Software. As from the very word go, on the 1<sup>st</sup> May 2011 when physics was introduced to American Butterfly via a conversation with a new learned Facebook friend Anthony Rauba. In relation to a Science Fiction/Theory film plot I had written based on The Sienna project, it was clear that the future could not be predicted.

In relation to the script/plot, Anthony asked the question: "Have I considered String Theory." I looked it up and replied: "Would mathematics in whatever form predicting future events partially validate the theory?" To which

Anthony replied: "Some but not all the math is, thus, theory. But as to predicting the future? I refer you to Asimov's "Psychohistory" from Harry Seldon of the "Foundation Series." Re:

**"You may not predict what an individual may do, but you can put in motion, things that will move the masses in a direction that is desired, thus shaping if not predicting the future."**

This quote really helped to define all chapters of The Spartan Theory, American Butterfly being the third. At the time, it was simply a philosophy that one person can make a big difference. However a few months later when "The Butterfly Effect" was considered, not from a traditional way rather an economic way that is pure and simple, "very, very careful planning of cause and effects logistics." This phase became the project Mantra: We can shape the future along a desired path.

And so from a certain point of view, Predictive Quantum Software is ill-named as the starting philosophy says one cannot predict the future only shape it. However, The PQS is not designed to predict our future with absolute certainty, rather predict the economic future with far greater accuracy than is currently considered possible. So, for now, the name "The PQS" Predictive Quantum Software remains.

The PQS has four main components. The various software and initiatives described within the "S-World" chapter, the various simulations and initiatives described with the "Quantum Time" chapter. Alongside this comes a way to organize ourselves as influenced by String Theory. And lastly, a very structured type of mathematics entitled "CFM" Compatible Finite Mathematics. Which may turn out to be a form of Super, Super-Symmetry?

For the best part, this chapter looks at the third consideration, "a way to organize ourselves as influenced by String Theory," alongside examining the Butterfly Effect and Quantum Mechanics from various hypnotic vantage points.

Do not be daunted by the physics. The basics are explained within my journey via my comprehension, which starts from a position of no knowledge, rather simple observations. When explaining the "Multiverse Entanglement Butterfly Principal", we do get a little technical. But aside from the consideration of the Butterfly Effect as a constituent, there is nothing that cannot be fully comprehended by watching Brian Greene's "The Fabric of the Cosmos: Quantum Leap" on YouTube.

Not every step is strictly recognised physics. Sometimes considerations turned out to be describing different terminologies. For instance, the extra dimensions that hold together our soon to be discussed ocean wave turned out to be the Electromagnetic force. However, as the consideration of "what holds the wave together" takes the journey to more important considerations, telling the story without the example, leaves a blank, so the passage remains.

Another correction to be pointed out before we journey to the Entangled Butterfly, QuESC and The PQS is this phrase: "Fortunately every atom in the universe has a unique charge, no two can have the same amount of

energy," which came from a credible source which is "The BBC." However, this explanation was oversimplified. To be completely correct, the phrase should be "No two electrons can ever be in the same Quantum State."

Before delving in, it is important to appreciate that before my introduction to physics in the form of Asimov's "Psychohistory": **"You may not predict what an individual may do, but you can put in motion, things that will move the masses in a direction that is desired, thus shaping if not predicting the future."** Which grabbed my attention, as it was in line with what I wanted S-World to achieve. Since the age of 15, I have had no education or experience in physics or any science. Until September 2011 contemplation aside, my total research in physics was confined to about eight hours, in the form of a handful of TV documentaries and access to a dozen web sites. Even now during the final adjustments to American Butterfly part 2, we could condense my education to 72 hours of internet access.

So we are covering subjects that anyone with enthusiasm could pick up very quickly. This, in part, is the reason for this book's title "The Popularization of Physics." The field of physics is now so exciting and so accessible with professors such as Brian Greene aided by TV producers, explaining incredibly advanced concepts in such simple ways, equations aside. The once elitist world of Physics via YouTube is accessible to all in a matter of hours or to see the bigger pictures several days.

## Chaos Theory & The Butterfly Effect

In August 2011, about 12 weeks after Anthony Rauba lightly introduced me to the concept of String Theory Chaos Theory arrived at my door and spread itself throughout my apartment in the form of Sahara Hafez. Sahara was nearly two years old and was full of life. So full of life and wondering her mother Zenda, and I gave her the nickname "Chaos Theory." One day I looked it up just for fun. The highlights:

**"Small differences in initial conditions (such as those due to rounding errors in numerical computation) yield widely diverging outcomes for chaotic systems."** It went on to mention the weather, population and economics were "Chaotic Systems."

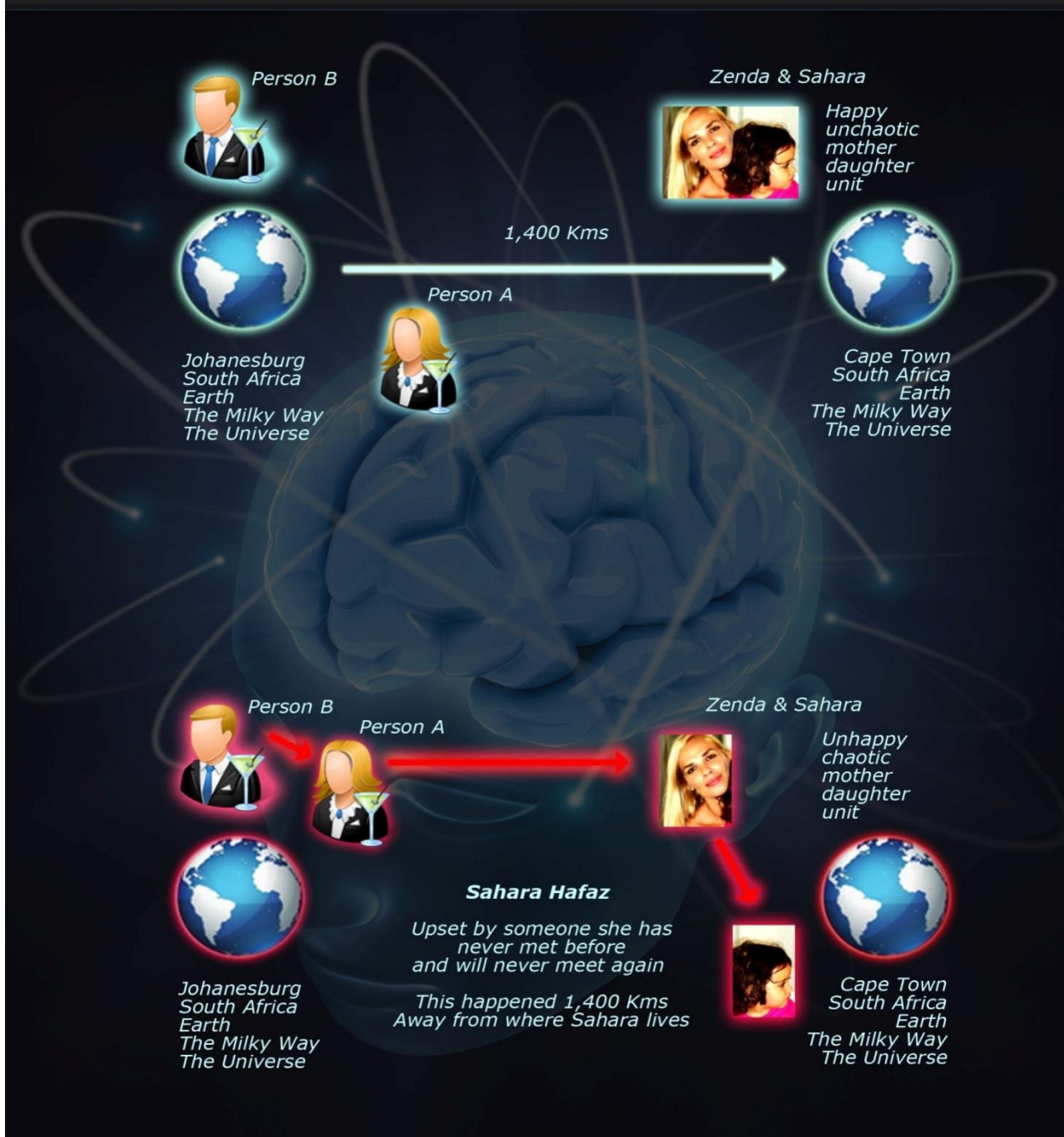
Despite my immediate passion for the subject, "Chaos Theory" really is a negative concept. Full of "can't do this, and can't do that"... indeed as most, or all things are related in one way or another. If Chaos Theory is correct, we can't do much about anything really. What will happen happens and you had better accept it simply as fate. Fortunately, as I later discovered "Chaos Science" or as I more often entitle it "Compatible Finite Mathematics" cuts through the Chaos like a sharp knife, as it has no errors to round.

Re the Hari Sheldon philosophy, the tool that can seemingly be used to **"put in motion"** our desired path is known as the "Butterfly Effect." Many will have heard of this. Many have seen the film in which changing the sequence of someone's life drastically changed events for others, and if I remember correctly not in a good way. The example to the right offers a simplified version.

At the top, we see Sahara and her mother Zenda happily going about their businesses in a balanced manner. Unaware that a thousand miles away an event transpired which made person "C" upset. If you are paying attention, you will notice there is no person "C." As far as Sahara is concerned she has never met this person and probably never will. However, in between the top diagram and the bottom, person "C" had become upset and brought their frustrations upon person "B." Who in turn brought chaos to person "A" and transferred the chaos via telephone 1000 miles to Zenda. If this event collides with an outburst from Sahara, maybe in the form of a flying food show, Zenda will have less resistance to Sahara's outburst and a term in the naughty chair may be imposed.

If Chaos Theory is to be believed that **"Small differences in initial conditions yield widely diverging outcomes"** then during the time Sahara is on the naughty chair, her entire life changes. How her exams will go, who she marries and who her children will be, all due to person "C." We can't look into the future and assess the different futures Sahara may have so there is currently no definitive proof that a 5-minute negative interruption in Sahara's formative years changes everything for her. However, one thing is clear, if you reverse the scenario and bring a positive action upon another, more often than not that one good deed will ripple far further than just the intended target. Imagine a world wherein a way Karma was proved and everyone on the planet was continuously positive. Where people are not fanatical about God, rather fanatical about the good things they have done in the name of their God. That would be a good place to live.

At the time from an economic standpoint, this incident brought forward the rather obvious consideration. If Greece, instead of being the financial Black Hole in the Eurozone became a financial energizer, it would have a profound reversal of fortune to the entire Eurozone and global economies.



Getting back to the Butterfly Effect within our lives and to help illustrate the example of tiny seemingly trivial events creating great change, another well-considered film is available. Made in 1998 starring Gwyneth Paltrow and John Hanna entitled *Sliding Doors*. Illustrating two completely different future lives that befall Gwyneth via the event of catching or missing a tube train.

So for the best part considering what Chaos Theory tells us, and the points made within the two films to which we can all relate, it would appear we are bound to the many coincidences in life, we are bound by fate.

**Or are we?**

The disciplines within Particle Physics that investigate the concept of many different eventualities within many different universes and how better to possibly understand and control them are known as Quantum Mechanics & String Theory. Neither seems specific to the Butterfly Effect or the coincidences that mould our lives, rather how the universe is made up of small elements and how those elements can have different realities or "states." Hence the Quantum Mechanics Mantra: **"Whatever can happen does"**.

How this translates back to our journey is the notion that all our possible journeys and all our possible futures are happening at the same time, and we are in many places at once. However, our current understanding, our unique consciousness can only be aware of anyone reality at any one time. Within Quantum Mechanics rather than describing the phenomena as The Butterfly Effect, this notion is more often referred to as "Quantum Weirdness."

Before elaborating an example of how I linked The Butterfly Effect to Quantum Mechanics. To do this, we are going back to basics. No computers, no calculators, no academic knowledge, just observation and contemplation of the phrase that to most define Chaos Theory and the Butterfly Effect.

**"Can the flap of a butterfly's wings, cause a tornado in Texas?"**

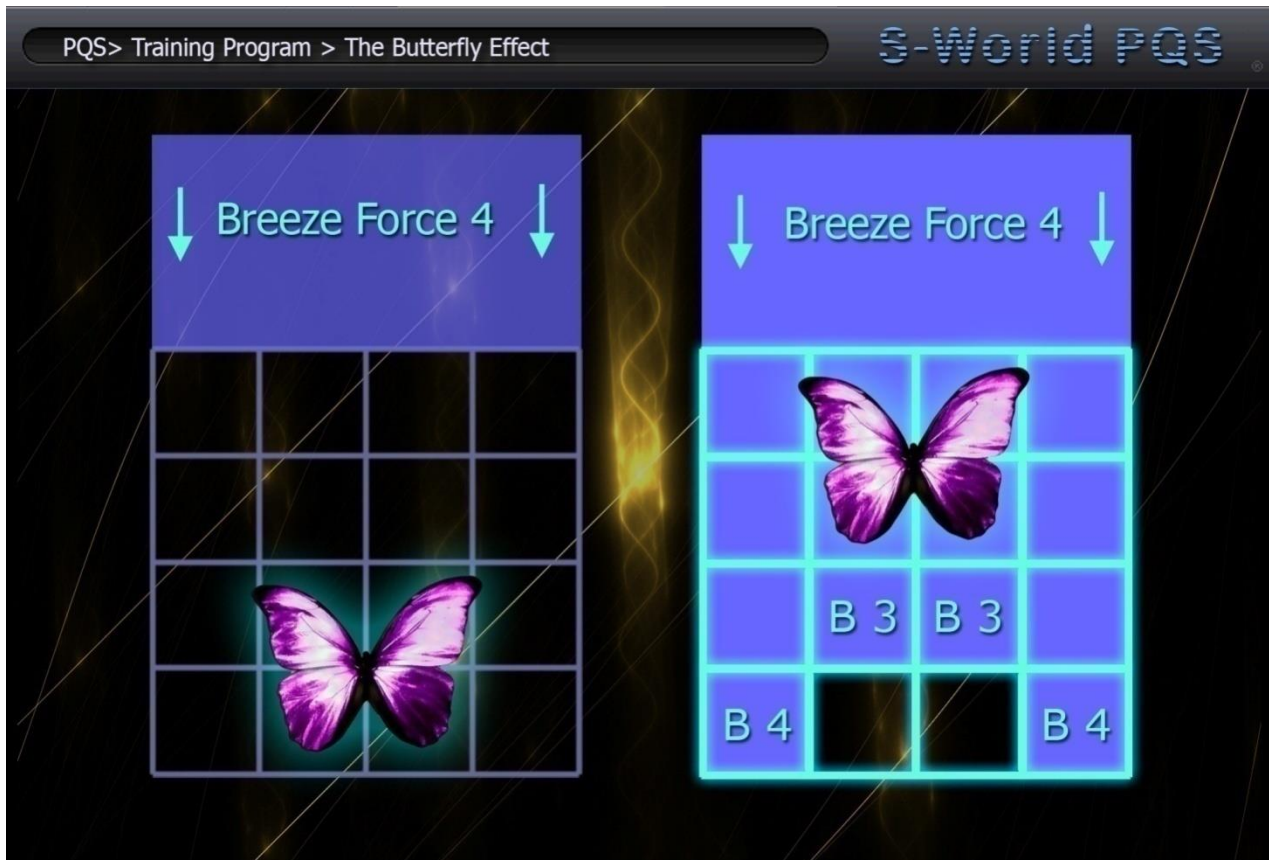
Before continuing, I'll set the scene for the said contemplation. 300 Dolphin Bay, Africa and the mountains of Chapman's Peak, the beauty and the symmetry of nature greatly assisting the creative and contemplative processes.



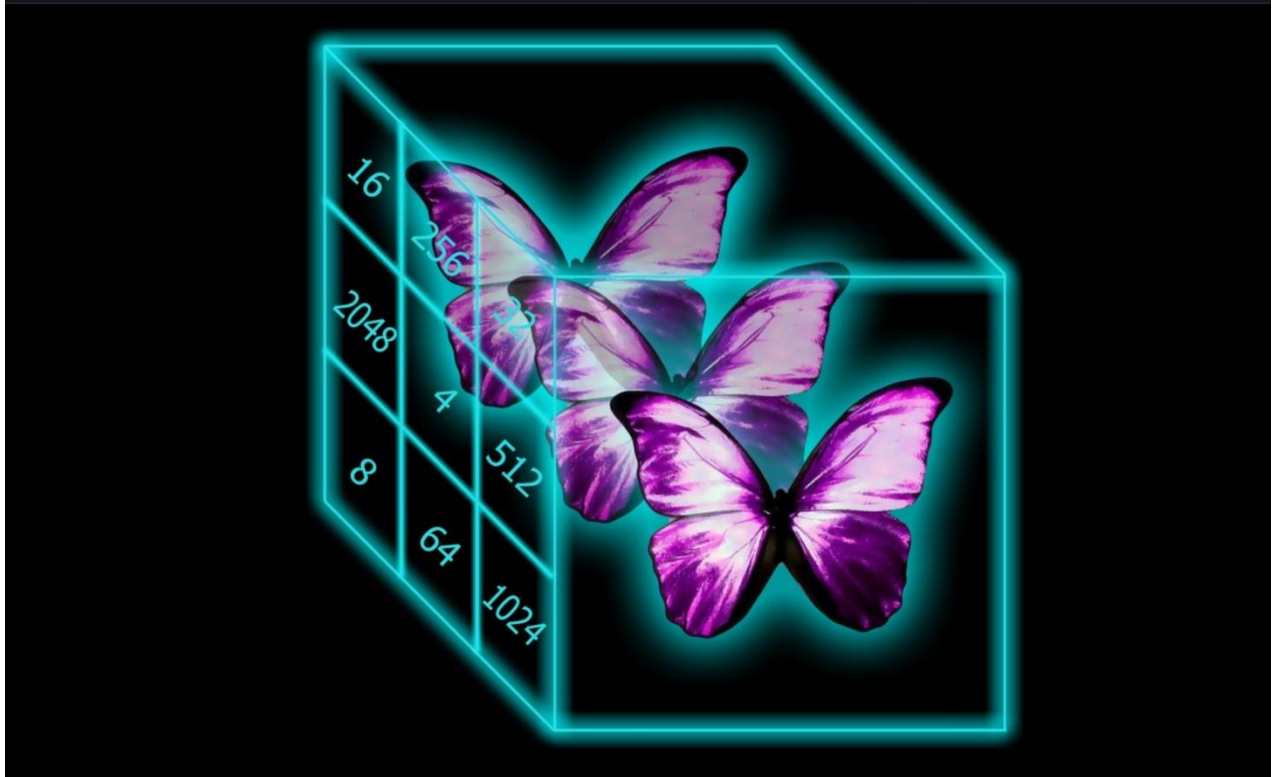
So, "Can the flap of a butterfly's wings, cause a tornado in Texas?" It's a tricky one, at first I thought "well I guess it's possible, but it's an extreme long shot." At the time of reaching a conclusion, I was not looking to answer that specific question. It was simply one of the many pieces of a puzzle that seemed bound to each other. I still can not give a definitive answer one way or the other.

The piece of the puzzle significant to the process was not the answer. Rather it was how to attain the answer, how to calculate it, albeit using technology that does not exist yet and may never will. However applying the principle in a way that can be calculated to our network opened the door to Quantum Economics, Compatible Finite Mathematics and the use of Quantum Time.

One fine winter's day while on a mountain, I pictured a cube-like grid across the air deep into the horizon and beyond. Within one cube was our butterfly. My first rendition was in two dimensions and illustrated the slipstream effect rather than the totality of the cube; here is the graphic.



I hope it is simple enough. We have a very light breeze coming towards the butterfly at a force of 4. And by the time our butterfly has disrupted the flow, the breeze directly behind our butterfly is slightly less than the breeze that was not interrupted. If we consider replacing our butterfly with an F16, we would see a greater effect and indeed have a higher chance of creating a tornado. Of course the above graphic only takes into account our butterfly's turbulence in a single direction, highlighting the slipstream effect. For a more accurate picture, we need a cube.



Now we see our butterfly within one of the many cubes I envisaged around the world, displayed in 4 dimensions: Height, Width, Depth and Time as the numbers are specific to a snapshot of energy in time.

Fortunately, every atom in the universe has a unique charge, and no two can have the same amount of energy. Which is quite a feat considering there would be 7,000 trillion, trillion or so atoms in you, and you would fit inside the universe many times.

On the left of the graphic, we see 9 boxes with numbers in them. These represent capturing the charges of atoms at a single point in time, in a single place. Of course, in reality, there are a lot more numbers.

If one could accurately measure the charges on all sides of the cube and had the further ability to measure all the adjacent cubes from Brazil to Texas up to and all around our tornado, one would be able to accurately say, yes the butterfly did cause the tornado, no it did not, or it was a contributing factor.

And that is the level of accuracy required for the Finite Mathematics within the Network, utter precision on a quantum scale.

To our right we see two artists' graphical interpretation of The Butterfly Effect illustrating the difference between an economic system and/or Network that works with utter precision at the top, and less than utter precision beneath.





Precise Tracked  
Butterfly Effect

Perfect Order  
Quantum Economics

Imprecisely Tracked  
Butterfly Effect

Chaos  
Current Economics

# General Relativity, Waves and Oscillation

As our journey so far has taken us to "The Cube" it would be amiss not to introduce General Relativity, Einstein's Theory of Gravity. Or as maybe better described as General Reality, the smooth way we perceive the universe in 4 dimensions.

The word "Relativity" is best described via speed (distance/time). Right now if you are sitting down, in relative terms to your close environment, you are not travelling at speed. However, from another perspective, you are travelling at just over 1000 miles an hour as that is the speed of the earth's rotation. And from another perspective, you are travelling at 67,000 miles an hour - the speed the earth moves around the sun.

Another more down to earth example would be two cars, my car and your car. If my car is still and you are travelling 100 miles an hour you have a speed of 100 miles an hour relative to my speed. If my car sped up to 100 miles an hour travelling in the same direction as your car, compared to my car, your car now has a relative speed of zero. If our cars are travelling at 100 miles an hour in opposite directions, each has a relative speed of 200 miles an hour.

It's simple enough until you throw in the Speed of Light, which does not follow these rules. Einstein's complementary theory, the Special Theory of Relativity states that no matter where you are or how fast you are going the speed of light will be the same. As such, The Speed of Light or ( $c$ ) becomes a universal constant.

One would be mistaken in presuming time was also a constant, but this is not so. Time has the effect of speeding up and slowing down depending on the weight of the object that it is near to. This effect, however, is only noticeable if one is travelling at a speed close to the speed of light, or you are in a very heavy environment such as a black hole. But seeing as we are not travelling near the speed of light or are positioned anywhere near a black hole, for now, we need not worry about these phenomena in our day to day lives.

Getting back to our cube, it was said that cubist painters such as Picasso are perfectly equipped to understand General Relativity. In this regard, General Relativity may be best explained as the way we see the world or the way we comprehend the world as we see in cubed dimensions. Subconsciously when we look at a tree in the distance, we are putting a cube around it — not a square cube and possibly more than one cube. But we see its height, we see its width, and we make a good estimation of its depth.

This is due to our visual dimension range of 3 dimensions. However, in a similar way to our perception of light in that we can not see infrared or ultraviolet, it is widely considered as a fact that there are other dimensions not visible to us.

One of the ways I tried to understand extra dimensions was in consideration of waves. Please note that while the principal of the energy signature of the wave as presented is correct, the likening to String Theory Supersymmetry and ten-dimensional space is merely an observation and may not be correct. It is a rung on a ladder that leads to the concept of String Networks and "The Multiverse Butterfly Entanglement Principal." And as such, it seemed appropriate that the wave dimension analogy is included, technically accurate or not.

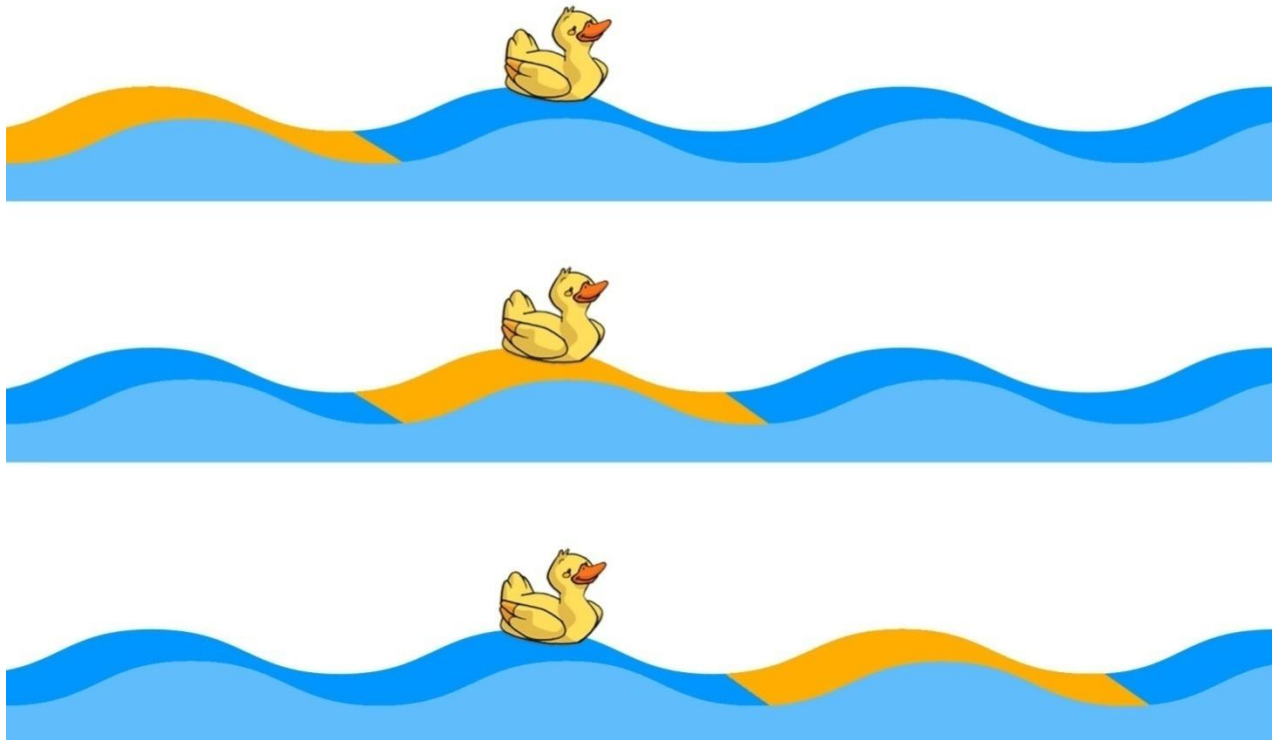
Without waves, we would be lost in the dark. Take away light waves and sound waves, and we would be blind and deaf. We can't see the individual make up of sound and light waves, but we can see waves in water.



The simplest way for a wave to form is via a water droplet and whilst contemplating on this; please consider the dripping sound, as it becomes relevant later.

The drip hits the water and starts a ripple. If this ripple is then fanned by a breeze, it gains momentum and so has a greater force. The same principle applies to the waves in the seas and oceans. However, within the ocean, the formation of a wave has other determining factors, not the least of which are other waves.

This said once our wave has pulled itself together, it becomes not a random set of water movements but becomes a definite object with a unique signature. It is not water; it is a defined unit of energy with form.



In the graphic above the actual wave is highlighted in gold. If the wave was just water that would push the duck along, rather than just bob up and down, the same effect is true for the water under the wave. For the best part, like the duck after the wave has passed, the water remains in much the same place.

The wave is best described as pure energy, with form and sucking in and expelling water as it journeys across the ocean. It takes about two weeks for a wave that leaves the South Pole to reach the North Pole. Scientists can measure this due to each individual wave having a unique energy signature.

So what is this energy signature, and how does it create a defined shape that we can see with our own eyes? What is a wave, and what is it that holds the energy in such an organized way? The answer to this may lie within the wondrous disciplines of String Theory and Supersymmetry, which describes the forces and dimensions within the subatomic universe.

Unlike the three coordinates (height, width, depth) plus the one time dimensional way we look at the world within General Relativity, String Theory explores 26 dimensions. Sixteen contain boson's (particles that transmit force), albeit these are hardly mentioned nowadays. It is the ten dimensions (our three + time + 6 others) that contain fermions (a particle that makes up matter) that could hold the key to our waves form.



Eventually, our much-loved wave came to the end of its journey. If it was lucky, it's like the wave above captured as a picture in time, but for the best part, it is just another ocean wave ending on land. As the wave approaches land, its fuel of sorts, "the water" runs out. The wave has no water to suck up, so the water at the back comes over the crest. It forms a surf wave and eventually crashes down over itself (In economic terms we can see the surf wave in the ocean as citizens, countries and companies borrowing money and conducting businesses relatively unhindered until 2007 when there was little left to borrow).

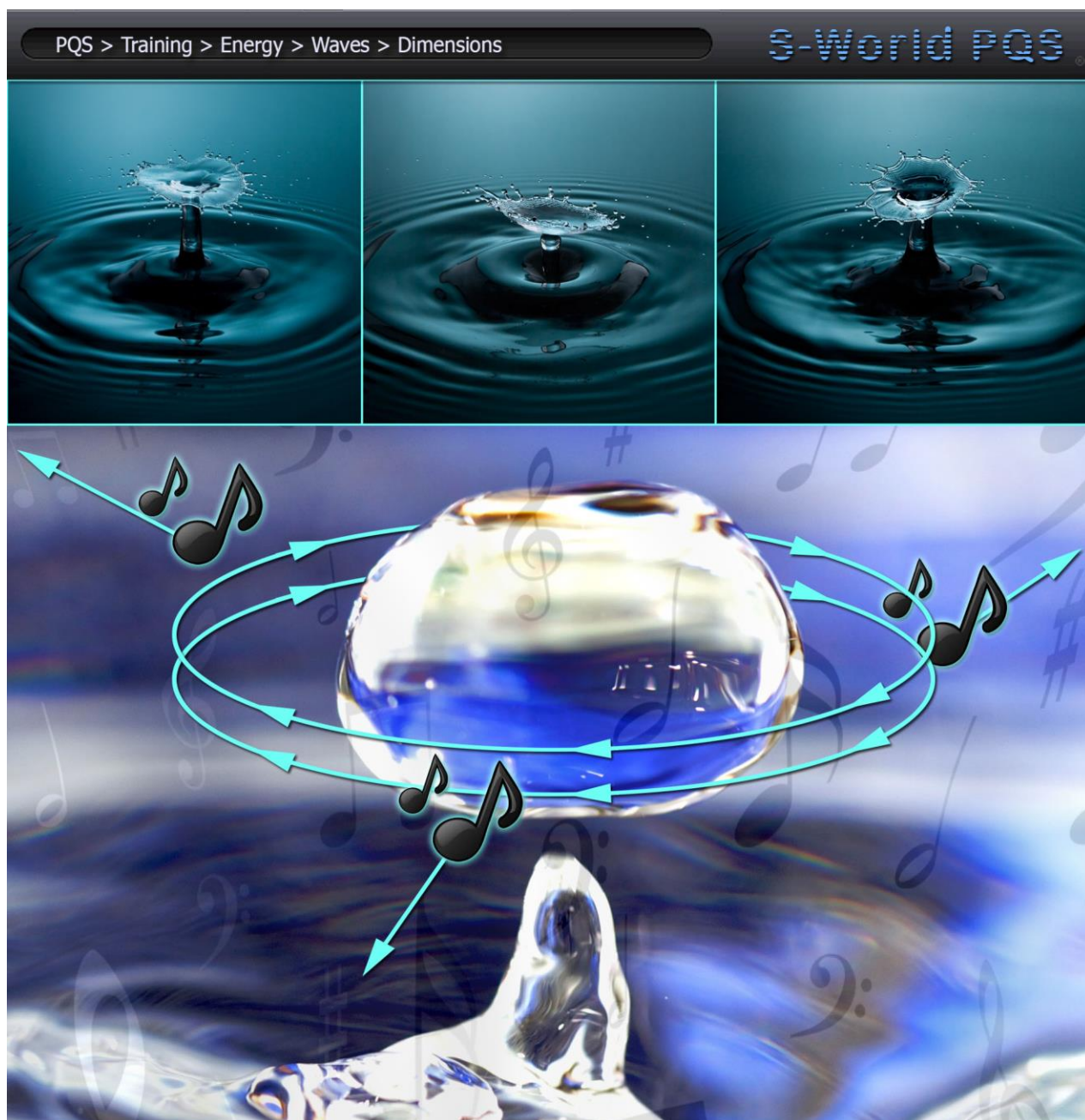
This may be the end of the journey of our ocean wave but not the end of the journey for energy. Whether in some way the energy signature continues and transforms into a more complex structure, or whether it simply dissipates into many new random existences is an interesting question. If there is a bigger picture that applies to the energy within our wave, the same principle may apply to the Butterfly Effect within our lives.

The above paragraph was initially earmarked for removal as it seemed "a stretch of the imagination too far." However, having since watched and transcribed Brian Greene's "The Fabric of the Cosmos" via the principle of entanglement there is a precedent for particles having connections, which can stretch as far as the moon and beyond that exist but can not be explained. Albeit they can be of use, right now scientists working in the Canary Islands are seriously using this principle to develop a Star Trek styled photon teleport devise.

And when we consider "There is no disagreement between Quantum Mechanics and any experiment that has ever been done." Well.....

Placing entanglement aside for the moment and considering just the transfer of the wave energy in specifics. As the surf wave crashes over, energy is transferred in various ways, kinetic (movement) energy as it displaces the sand and surrounding objects and sound energy the most usual.

First, we consider sound energy. The transference from Ocean Wave to Sound Wave is a beautiful process, which helped me grasp the fundamental nature of how the strings within String Theory gained strength from oscillation. Albeit within String Theory, oscillation is added to by many other forms of "wiggles" amplified by the extra six dimensions. And where in the case of our water droplet gravity becomes its ultimate downfall, within String Theory the strings are energized by gravity.



The surf is made up of millions of small oscillating water droplets. To the naked eye, these water droplets would appear as solid drops of water. However, for the best part, each droplet is hollow. We see evidence of this within the top three photographs illustrating a droplet that has just broken apart. The droplet is, in essence, the skin of the bubble, in the middle of the droplet is air, the water spinning and oscillating around it.

It is the spinning oscillating quality of the water that holds the form of the droplet. This spin and oscillation also transfer the energy of the ocean wave into many sound waves which fly off in all directions. Once this energy is spent, gravity takes over and the water. Just like the water that did not move the duck, is lifeless, it goes limp and falls to the ground, motionless. Until it joins another wave or if landed on a beach may evaporate.

The other main energy transference is kinetic, or movement energy which comes in various forms, at the end of its journey, nard and then onto a sandy beach the wave energy will dissipate into the sand moving it up onto the beach. The sand, of course, was once made of larger clumps of matter, pebbles, rocks, even mountains, before succumbing to entropy, and the rules of thermodynamics "everything falls to dust".



Above we see a beautiful picture of the wave encountering rocks before it runs out of the water, a more dramatic splash, and so a greater more violet dissipation of energy. If there are  $7 \times 10^{27}$  atoms in an average human, most of which will have moved on by the 40<sup>th</sup> year, it's reasonable to assume. With each big crash of a wave, some or many atoms are dislodged or altered within the rock due to the energy of our wave. A ponderous consideration to which I have created a theory entitled "Tuning Theory," which will be shared later.

# The Multiverse Entanglement Butterfly Principal

Returning to my previous consideration "Whether in some way the energy signature of the wave continues and transforms into a more complex structure, or whether it simply dissipates into many new random existences?"

To our right, we see how the Multiverse Entanglement Butterfly Principal may work. We shall consider this first from a Quantum Mechanics, String and M-Theory perspective, and then The Butterfly Effect within our lives. For the sake of simple representation, we have taken a sector from the Multiverse. Within that sector are 4096 Universes (this correlates to one cube to the power of 4 cubes  $(1 > 8 > 64 > 512 > 4096)$ ). Our universe is one of the cubes. To the right of this within the same Multiverse, our complex ordered butterfly effect graphic takes on the characteristics of a structure. A form of says Multiverse DNA which may, or may not consist of messenger particles, similar to the graviton within String Theory, which can transcend dimensions and energizes objects.

As we zoom into our Universe and then the earth sector within it, we can see one of the Multiverse butterfly strings bound to two particles. These particles were once close together but have since moved far away from each other. We can't see or measure the string or force that connects the two entangled particles. But we know the two particles are connected by something as this experiment has been run thousands of times.

As theories go, this is a good one. If one can accept the Multiverse, knowledge of physics or not, it makes sense to a fashion; it's simple, it's clean. Regarding accepting the Multiverse, before Columbus found America in 1492, most felt the world was flat. Then after we believed we were the centre of our solar system. And then we believed our solar system was the centre of our galaxy. Then our galaxy was the centre of the Universe. It's perfectly reasonable and in sequence with histories for us to discover our universe is not the only one.

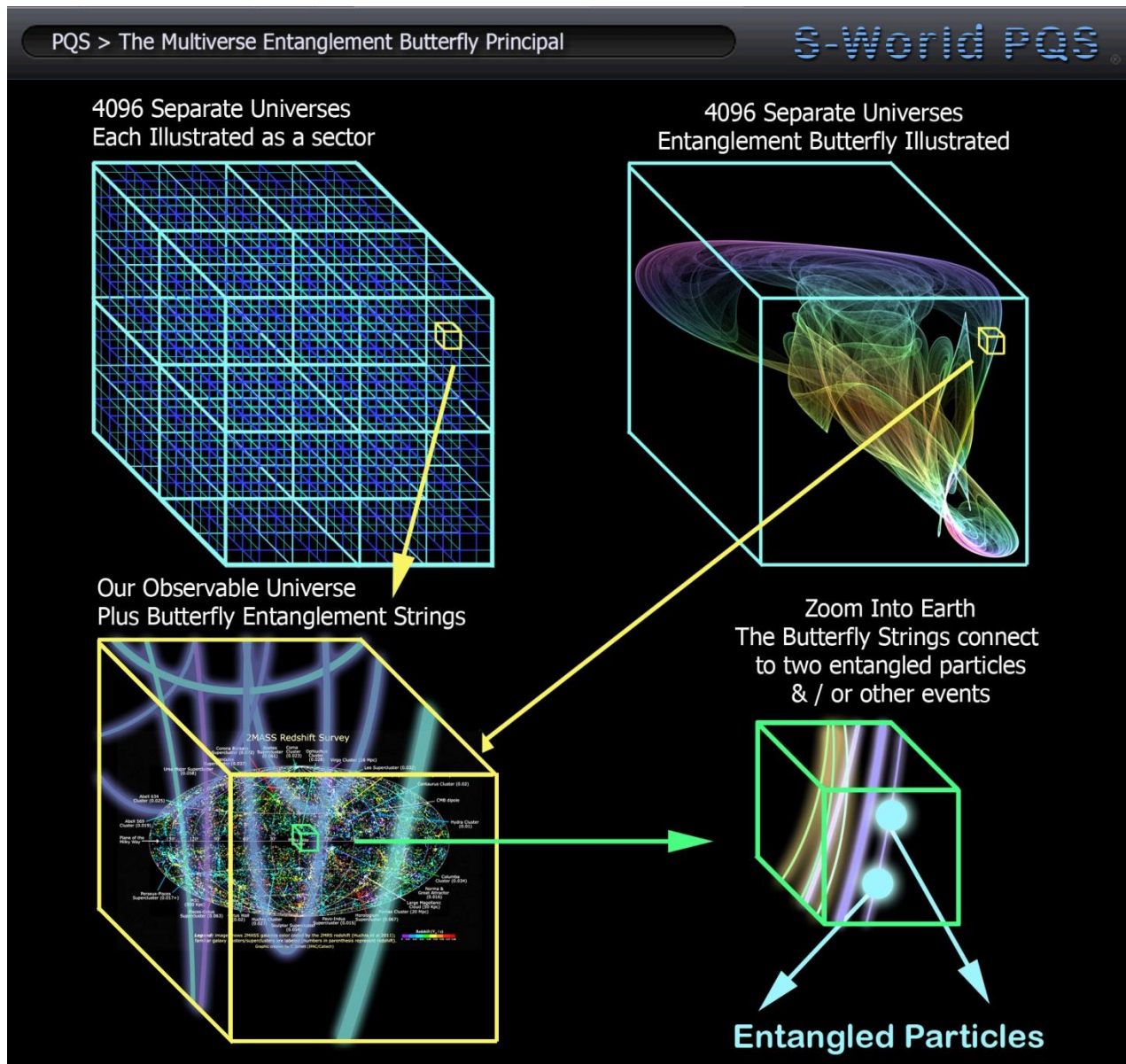
The principle of entanglement, the precise observation that for some reason, some particles that were once close to another keep a connection when they are hundreds of thousands of miles apart, was not always undisputed. Indeed the world's most famous scientist Albert Einstein was the principal's greatest opponent.

Starting in 1913 with Bohr and co.'s uncertainty principle or "Quantum Leap" that dictated that only certain orbits were allowed for the electrons within atoms and the electrons could leap from one orbit to another. Enhanced by the double-slit experiment and Schrödinger's equation that suggested the electron acted like a wave and to be explained by Max Born as a probability wave, where the size of the wave at any location predicts the probability of the electron being found there. Culminating in the general principle that according to Quantum Mechanics, the world itself is a game of chance, and the matter of the Universe is made of atoms and subatomic particles that are ruled by probability, not certainty.

Einstein could not believe that the fundamental nature of reality at the deepest level was determined by chance, as it sharply diverged from the absolute, definitive predictions that were the then hallmark of classical physics. Einstein said, "God does not throw dice."



According to Bohr's approach to Quantum Mechanics when you measure a particle, the act of measurement forces it to relinquish all of the possible places it could have been, and select one definite location where you find it. The act of measurement is what forces the particle to make that choice. Einstein said, "Do we really think the reality of the universe, rests on whether we happen or not to open our eyes, that's just bizarre, I like to think the moon is there even when not looking at it." Einstein was convinced that something was missing from Quantum Theory, "it was not bad physics per se; it was just incomplete." Despite Einstein's arguments, Bohr remained unmoved. When Einstein repeated "God does not roll dice," Bohr responded, "Stop telling God what to do."



Enter entanglement. As mathematically theorized via the equations of Quantum Mechanics, which added to the "it's not there until you look for it" with "and when you find it, it may affect another particle hundreds of thousands of miles away." This was too much for Einstein who labelled it "Spooky action at a distance."

Einstein agreed that entangled particles could exist. But he thought there was a simpler explanation for why they were linked that did not involve a mysterious long-distance connection and suggested that the effect was predetermined.

Sadly Einstein died in 1955 still greatly conflicted by entanglement, spooky action and the uncertainty principle. Twelve years later, in 1967, John Clauser tried to prove Einstein right by making a machine to test the principle. But instead, Clauser proved Einstein wrong. Proving that quantum particles can be linked across space, measuring one thing can instantly affect its partner as if the space between them did not even exist. And still to this day, there has not been any experiment that disagreed with Quantum Mechanics. The equations of Quantum Mechanics have led to some very big inventions such as lasers, transistors, the integrated circuit and the entire field of electronics. It is said that **"If Quantum Mechanics went on strike, almost every machine in the world would stop functioning."**

And right now in the Canary Islands, Anton Zeilinger and a team of physicists as well as engineers are using the entanglement principle to literally emulate the Star Trek teleport device. Currently working with photons, the particles of light, entangling two on the island of La Palma and sending one via a laser-guided telescope to the island of Tenerife, 89 miles away. Next Zeilinger introduces the third photon and makes it interact with the entangled photon that remained on La Palma. The photon is then monitored and because of "spooky action" can create an identical copy at the laboratory in Tenerife and so the photon teleports to Tenerife without traversing the space between the islands. Zeilinger has successfully teleported dozens of particles. Next, the experiments will try to move objects and in time, maybe even people. There is nothing in physics that says this is not possible, and it is only possible due to entanglement.

**"The Multiverse Entanglement Butterfly Principle" it's simple enough, "There is so far an undetectable force or messaging string that links the particles together, on a grand scale."**

Now let's consider the same principle. But instead of applied to particles, it's applied to the Butterfly Effect within our lives. To start with if we think closely about it, The Butterfly Effect carries the directional properties of the dimensions we are used to. Left Right, Up Down, Forward, Backward, and Time are all specific to a journey. In both "The Butterfly Effect" and "Sliding Doors" the Butterfly Effect was definitively a journey, a journey that had two different paths, two different journeys. I have thought long and hard to comprehend how another dimension may appear to us. Not in consideration of String Theory and curled up dimensions, rather what we could do with it or how can it be of use. And my only answer in terms of things that we know is "to change, or assist our journey." This makes sense and is in line with the four dimensions I am used to.

Before continuing I wish to clarify, I'm not suggesting that one or more of the extra six dimensions in String Theory are The Butterfly Effect. Rather, the Butterfly Effect could be a result of them like gravity is suggested as a force that travels through them, so could The Butterfly Effect.

Of course if one thinks about how incredibly complex The Butterfly Effect must be if it is to affect all our lives. It seems mind-bogglingly complex and highly organized, far out of reach of our comprehension, let alone simulation, or actual usage. Or is it?

Not if we consider it from the perspective of American Butterfly. Particularly if we consider American Butterfly's scientific founding principle: **"You may not predict what an individual may do, but you can put in motion, things that will move the masses in a direction that is desired, thus shaping if not predicting the future."**

American Butterfly started with but a few clever marketing ideas for a small company. But by following the "shaping the future in a direction that is desired" and "positive circular events" mantras it has, on paper spread its wings to every conservable business type, at every conceivable size, in every conservable country, and further desires to spread our into our Galaxy to protect our unique complexity.

On implementation, it contains definitive, not possible, rather probable initiatives to rebalance global warming. Turn the worst financial crisis in history into a golden age. Raise the bar in education and research. Absorb the world's medical liabilities and bring peace across the world. It even encourages the world's population into fitness, so they will create more endorphins and be happy.

As the creator, I have mapped this out. Yes, it's a lot to do. But by eliminating the infinite element that is said to cause chaos in economics and applying considerations from Quantum Mechanics, String and M Theory, we see and must consider American Butterfly as a structure. Not too dissimilar to our Butterfly Effect graphic, as pictured in the Multiverse Entanglement Butterfly Principle.

This brings us in a way to the heart of the issue. If The Multiverse Entanglement Butterfly Effect is real, and if like American Butterfly, it was deliberately created, what use is it to whoever created it? The answer to this lies in S-World UCS. Why would we want to create Billions of versions of what the Network may look like in the future, many controlled specifically by one person? Easy, so we can follow the optimum paths, the optimum journeys, avoid messy outcomes and fix our attention on a path that is already there, a path that has already lead in the desired direction.

From a certain point of view, entanglement or as Einstein labelled it "Spooky Action" and the uncertainty principle prove that sentience, indeed our sentience must be linked to the makeup of our universe. As if any particle and so all particles only materialise by the act of measurement, and only the sentient can measure, then without sentience there would be no particles.

Each of us, in comparison to the smallest of the small, the Planck length, are in relative terms individually larger than the entire universe. Inside each of us, enough atoms to blow apart an entire continent, we are very big and very powerful. Are we a part of the Multiverse's strive for perfection? Do we have brothers and sisters in distant lands? Is the earth as suggested in the Hitchhikers Guide to the Galaxy a giant computer tasked with finding "the meaning of life, the universe, and everything?"

Before moving on I'd like to redirect to a fashion and remind all reading that, if one disagrees with the principles of the Multiverse or the consideration of the Butterfly Effect within it, it is of no consequence to the set up of American Butterfly.

American Butterfly and the creation of the Global Network are not specific to mimicking the actual makeup of our Universe and the Multiverse, rather analysing and assessing the work of the physicists and mathematics in all disciplines, then utilising their mathematics and concepts in such a way as to create the network in the best possible fashion. Particularly in terms of longevity, sustainability and in general "making the most of what we have", an "all hands to the pump" principle.

## The "All hands to the Pump" Principle

Alongside UCS, how the network is improved by these types of considerations is specific to organising ourselves, starting not with circuitry and technology but rather our place within it. A mobilisation and organisation of our collective sentience, two minds are better than one, so they say. Well by the same reasoning, 7 billion are better than two. The Multiverse Butterfly Entanglement Principle was first considered on the 18<sup>th</sup> of September 2012. However, the "all hands to the pump principle" was in play long before. To understand how it links to the core design of the American Butterfly and the Global Network, we need to travel back to December 2011.

After 11 years, my African 300 Dolphin Bay adventure was over, and I had returned to England. Shortly after my return, I saw a documentary that introduced me to the concepts of the multiple dimensions and the Multiverse within String and Theory Supersymmetry. On the 22<sup>nd</sup> of September 2011, a team of Italian physicists detected neutrinos that appeared had broken the speed of light. At the time I had written my first equation  $E \times TOE = MC^2 + TOE/\infty - 16 = 16 \text{ PPG}$ , which will be explained in the following chapter. It was later discovered that the Italians' experiment was flawed and the reason for the results was due to a faulty wire. But my door to String Theory, Supersymmetry and extra dimensions had been opened. I will explain the theory as to how neutrinos could have breached the speed of light as presented.

The basic principle was one or more of the ten dimensions within Supersymmetry have no light. As the neutrinos (tiny particles) travel at just under the speed of light passing through it and as they did they sped up for a split second, breaking the speed of light. The program went on to describe the makeup of the ten dimensions within supersymmetry which was simply described as similar to three slices of bread in a loaf. I need to point out that on reflection, I was slightly at cross wires. As the loaf is not specific to dimensions rather the Multiverse or Bulk as it is named within Supersymmetry. However creatively it was a step in the right direction.

My first consideration was the makeup of this super small dimension set. It was surely quantum as quantum means small. If this dimension or dimension set was so very, very small, I thought it must have perfect order or

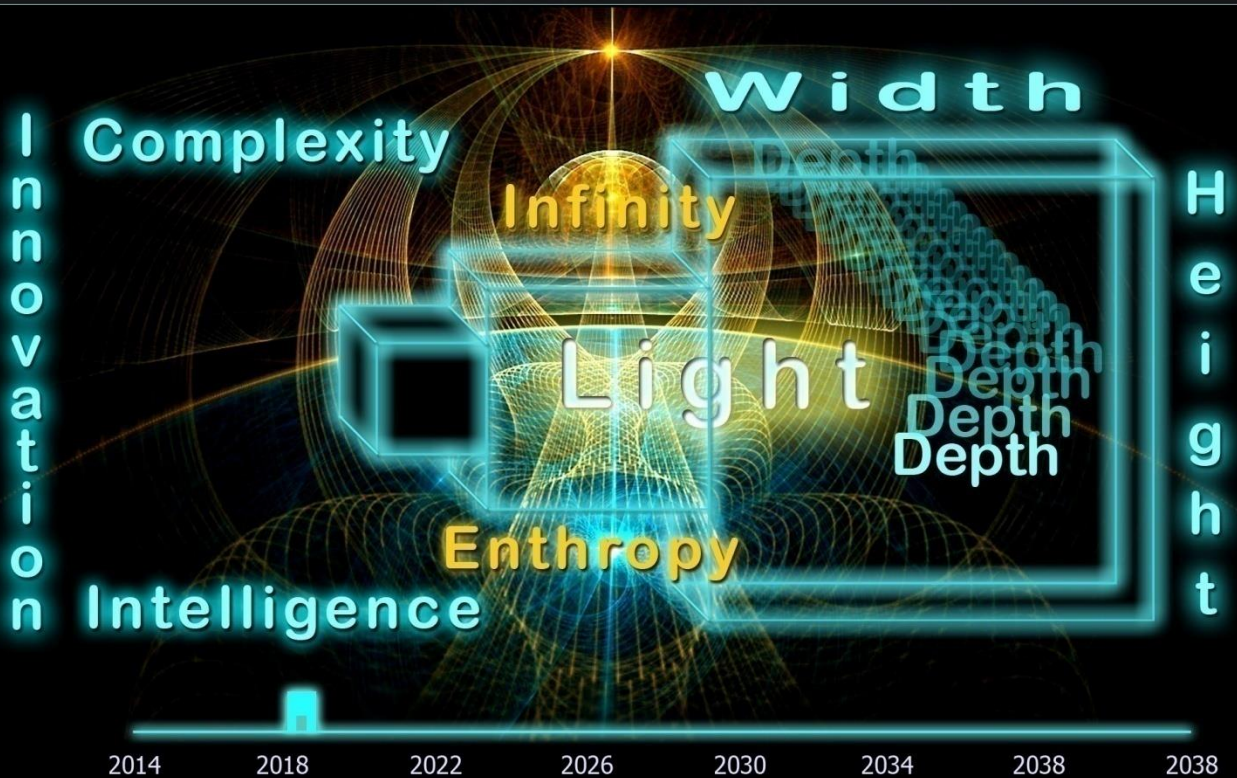
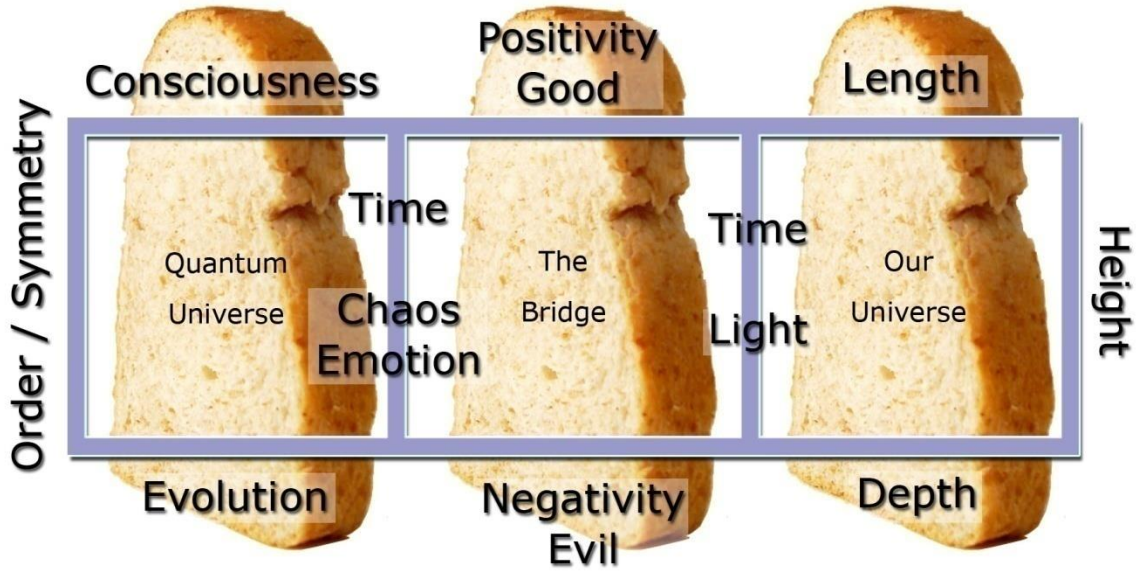
at the least a far greater order than our own mainly chaotic universe. Seeing as how I spent the last handful of months creating an advanced economic model based on non-chaotic mathematics, it made perfect sense that a quantum universe with great order would have greater efficiency than ours, which to me implied intelligence of sorts.

I considered what properties the extra dimensions might possess then committed my interpretation of Supersymmetry to paper considering relevant subjects and disciplines that could be associated with other dimensions and placing them on a 10 point grid over the three slices of bread.

On the right, we see our Universe, the known Universe, General Relativity. On the left, we see my interpretation of what may be found within a highly ordered "intelligent" Quantum Universe. Consciousness, Order, Chaos & Evolution were considered from a perspective of "what could exist and function without light," where consciousness was considered able to see perfectly well within a dream or projection of what it would like to see.

In the middle "The Bridge" was the portal from one universe to the next, an eternal battle between positivity and negativity, which were both specific to my  $E \times TOE = MC^2 + TOE/\infty - 16 = 16 \text{ PPG}$  equation. The link from the Quantum Universe to the bridge besides time was Chaos, which was twinned with Emotion, which may have been better written "Free Will." Indicating that Chaos is not necessarily a bad thing, rather something that needs balance. Indeed in Lee Chazen's paper "Chaos Theory, Self Organization and the Role of Government" it is said: The greatest creativity, evolvability and progress appear to take place at "the edge of chaos."

# Super Symmetric String Theory



Above we see a more recent interpretation with our known universe unchanged, our three visible dimensions: Width, Height and Depth illuminated by light.

In the middle, replacing Positivity and Negativity, we see Infinity and Entropy. We know infinity as the concept that there is no end, a comforting concept. Entropy is the scientific opposite of the basic concept that everything falls to dust, featured most prominently within the field of Thermodynamics. Indeed the second rule of Thermodynamics is everything will turn to dust. A very simple example care of Professor Brain Cox: "Make a sandcastle, and for sure it will not take long for it to blow away. Consider the principle over a long time, and we see mountains becoming smaller and at some point the end of our very own planet." It's a compelling argument to the concept that there is an end. And so Entropy becomes a worthy opposite to Infinity.

Our Quantum Universe is still able to function without matter and in principal transcend dimensions. Its constituents have been updated to Intelligence, Innovation, and Complexity. Intelligence has replaced consciousness as a more measurable commodity within consciousness. Innovation has replaced evolution as it can be instantly measured and appreciated on arrival. And order/symmetry has been superseded by complexity. But what exactly is complexity?

Complexity is wonderful; it is the opposite and only argument to entropy and the thermodynamic laws that say everything will end. Complexity may be best described simply as the idea that everything does not end, to the best of our timekeeping in relationship to DNA. For us as the human race with our commuters, our Facebook, our robot on Mars and our Voyager space probe; complexity started with the first amoeba formed in the world's oceans millions of years ago.

Via evolution, our amoeba created life, fish, dinosaurs, vegetation. And indeed all that is within the natural world today. Without those amebas, we would not have been born. The human race would not have been born, and on this planet, there would be no sentience. Without sentience, there would be no computers, no moon landing, no Apple, no Microsoft, no Google no Facebook.

All combined, the natural world we live in with its complex ecosystem, our human race, with its complex political economic and social contingents plus our complex inventions a lot is going on. We exist, we have made progress, we have created complex machines, we are complex machines. And if we get it right, we will spread out into the universe and spread our complexity across the known and unknown galaxies.

This is complexity, not one man or one machine, rather all men and machines as well as our habitat. Our ideas are not ending, and unless we either really mess it up, or get hit by an ELE before we can head for the stars, there will be no end to our complexity. Save the eternal question of whether or not in a trillion, trillion years the universe will run out of energy.

There is an argument that Complexity should sit alongside Infinity within the bridge further that Chaos and Order should return. And indeed they do, the graphic is representative of a starting position. From which

complexity, order and chaos, are channelled in an organised fashion from the Quantum Universe into our Universe, for ourselves to add to before returning to the source. Only to see our additions add to the complexity which is then sent once again to our universe, to be added to once again. This cycle continuously repeats. This is the Butterfly Effect. This is QuESC, the Quantum Economic System Core.

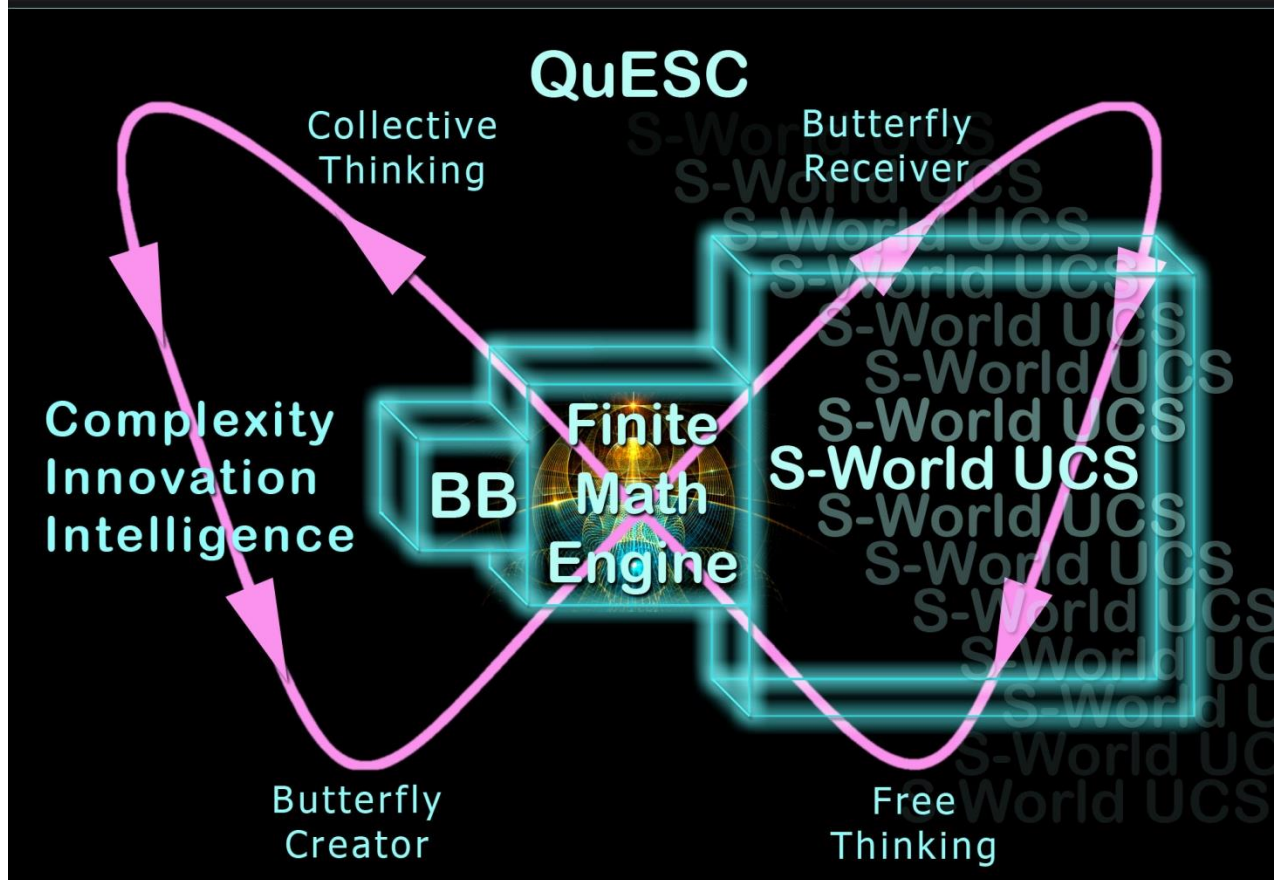
But before looking at QuESC a citation to the consideration of consciousness outside of our own within the Universe is provided. Provided by the physicist considered by many as the father of Quantum Mechanics, Max Planck (1858 > 1947), awarded the Nobel Prize for originating Quantum Theory in 1918 and most famous for discovering the Planck Length. His words:

***“There is no matter as such, all matter originates and exists only by virtue of a force which brings the particle of an atom to vibration and holds this most minute Solar System of an atom together. We must assume behind this force the existence of a conscious and intelligent mind. This mind is the matrix of all matter.”***

One last consideration before leaving the realm of theories and hypothesis is about the broadly accepted concept that within String Theory, many of the Universes within the Multiverse have different laws of physics. And within many other Universes within the Multiverse matter has not formed. And life as we imagine it, can not exist. To this, we need to accept a life of pure consciousness could survive within such Universes. Further, if the matter in our universe is only there when we measure it, to others, our universe may look empty until viewed through our eyes.

QuESC





Putting the existence of other sentience within or outside our universe aside but holding onto the basic design of the Butterfly Entanglement Principle, we move back into our world of fact and look to make the most of what we have.

QuESC is the “all hands to the pump” human element that sits at the foundation of American Butterfly and the Sienna Project. The Quantum Economic System Core, the non-physical principle or philosophy that lies behind the PQS (Predictive Quantum Software) and attaches to all software and hardware components.

QuESC is us, and the principal of Compatible Finite Mathematics.

On the left, our Max Planck “Conscious and intelligent” Quantum Universe is replaced by “BB” short for “BusinessBook.” The working title for all who combine to create and project American Butterfly’s circular event ambitions to the citizens of earth, in line with Asimov’s “Psychohistory”: **“You may not predict what an individual may do, but you can put in motion, things that will move the masses in a direction that is desired, thus shaping if not predicting the future.”**

Starting with but a small group of committed citizens, however, once Facebook and US Government have taken up the challenge, it will surely not be long before the other essential partners, and world Governments embrace American Butterfly. Within a year from that point, Businessbook desires over a million minds. A dream team of physicists, mathematicians, scientists, academics, economists, computer people, philanthropists, ecologists, Politian's, business analysts, logistics experts, media and sportspersons. Brilliant people from and in every conservable industry and venture all working collectively to shape a better future for ourselves, for our planet, and our complexity. Creating the software and creating the Butterfly Effect that will shape our future.

As and when this event comes to pass the Baby POP investment principle, as described in the following chapter, illustrates this group of a million to swell to between fifty to a hundred million come 2036. In its most simplistic terms, Buinessbook is considered as people who are paid by the Network. All are working as one with the joint goals of making whoever wishes to gain from S-World as successful as possible, alongside protecting our complexity.

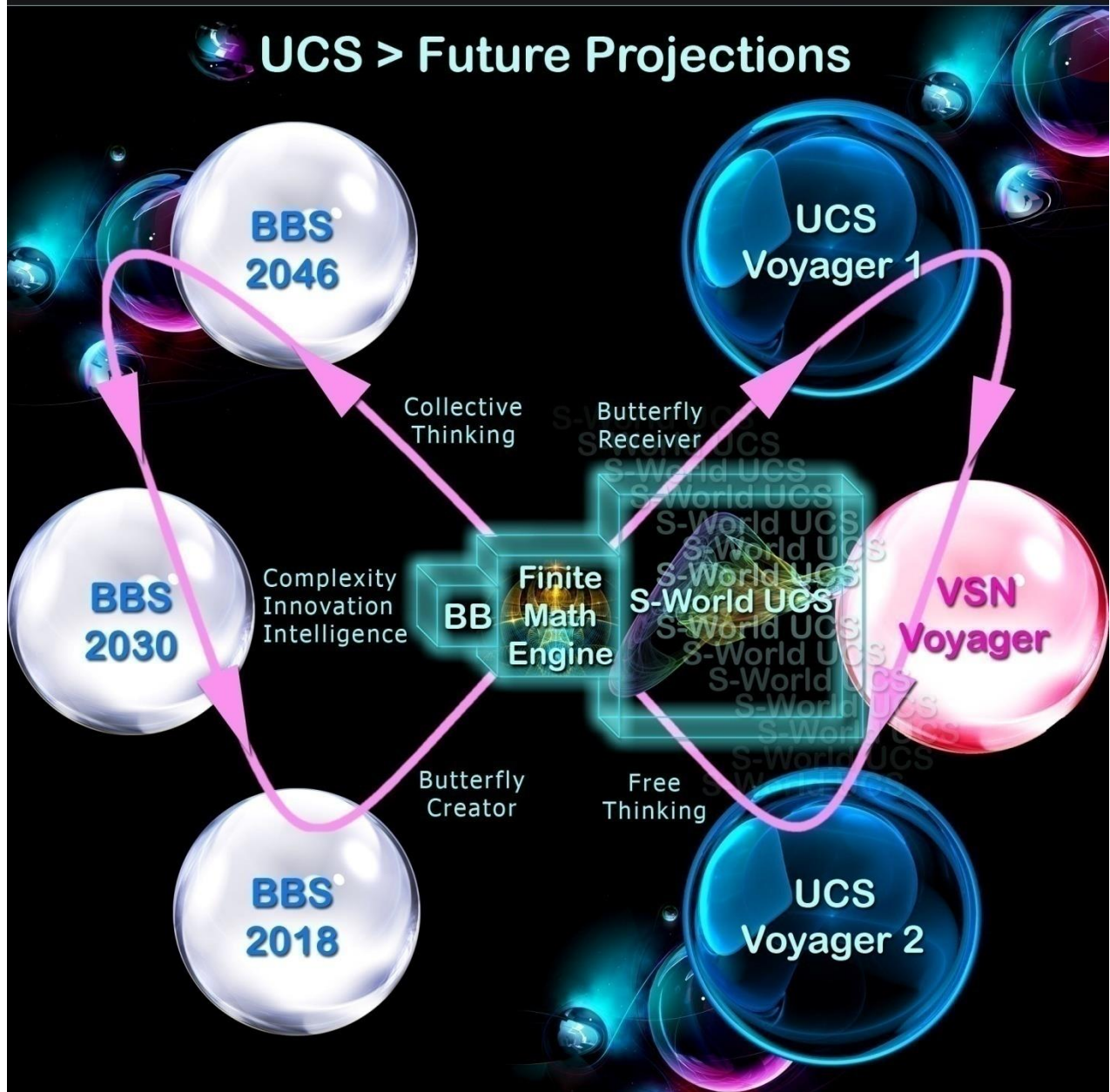
In the middle of the graphic, we see the FME, the Finite Math Engine. At the simplest of levels the FME is not hardware or software, rather the search for the mathematics that will make the calculations of every single inventory item and transaction carried out by any associate to the network recordable within 30 odd decimal places.

On the Right S-World UCS, the "Butterfly Receiver" is everyone else on the planet, regardless of their knowledge or participation within the network. If we cast our minds back to the S-World-UCS chapter "Quantum Time" we remember that S-World UCS is many concepts rolled into one, a sophisticated game and training platform. The database and registry for all network inventory, transactions, business activities, and a virtual time machine where all citizens are invited to participate in various future simulations of network progression, including ecological and philanthropic initiatives.

In the first phase, we see the creation of the networks' first trading partners, from big brands to sole traders, specific to the creation of the first phase of resort networks and e-commerce trading partners. This is the Butterfly Creators first offering being received by the Butterfly Receiver.

The second phase is where the Butterfly becomes a circular event. If we zoom into and consider our sample manufacturing company "The Window Factory" within the USA alone, there would be in the region of 100 such companies. All fueled by guaranteed tenders, thus enabling their profitability, as presented in chapter three.

As the 100 or so window manufacturers trade, their every action is monitored and returned to the Butterfly Creator where the data is analysed Buinessbook learning form. The more random nature of the free-thinking businesses and their staff and by the success or failure of each endeavour an update is applied to the next wave of advice and options. And so a second, now circular butterfly effect is created.



Continuing with our "all hands to the pump," making the most of our sentence theme, in this graphic, we see six network simulations added to the basic QuESC model. Three UCS Voyager and three fixed date simulations attached to Businessbook, called "BBS" Businesses Book Simulations. The Businessbook fixed simulations are displayed at 4, 16 and 32 years in the future from the first desired network resorts launched in 2014.

Using American Butterfly's current POP long term forecasts, analysed and added to by the initial wave of "committed citizens," bolstered by the founding Businessbook team, an initial PQS long term financial forecast will be created. Staring in 2046, a desired future outcome will be plotted, specific to "Special Projects." Taking one such project the "African Rain," the desire via alternate energy powered desalinisation to returning parts of

the Sahara to its pre-Roman pasture and forested state. A team of thousands of Businessbook employees working backwards, starting with success then analyses the optimum path to successes.

Another Businessbook team works closer to home in 2030, taking advice from BBS: 2046. In particular as to where the main Network Cities and large resort networks would best be situated. Looking at the logistics of what is needed to achieve BBS: 2046 success, from the makeup of settlements, the population and financial success of same, the raw materials needed to the strategic business partnerships necessary to create the optimum "desired outcome."

BBS: 2018 (Businessbook Simulation 2018) will consist of a large team that looks to the bump and grind of setting up the initial process. It is armed with future virtual simulations of significant accuracy of how North Africa will look, and how profitable it will be in the mid and long term future. The primary job of 2018 will be in the founding of the Resort Networks, Science and Network Cities and the companies that will trade within.

Moving over to S-World UCS Voyager, this future simulation of the network starts in our time and moves off at twice our speed. So that if it were launched on the 24<sup>th</sup> November 2013, within half a year, UCS Voyager 1 would be dated 24<sup>th</sup> November 2014. **UCS Voyager 1 will be a very serious future simulation, with many of the deals made, and many of the locations popularised becoming real, it is desired to have over a billion participants.**

Except for essential partners and key brands, anyone that wishes to conduct business with the network, or work for a company associated with the network does so via Voyager UCS models. In terms of QuESC's Butterfly Creator and Butterfly Receiver philosophy, the simulations created in Voyager models are as useful to the learning process as real-time actions. Indeed there is an argument that they are even more useful, as the data collated is not simply from businesses actions, rather the actions of the staff of the businesses and those that would like to be staff, and those that simply wish to play. The more people that play or attend the simulation, the more future triumphs and failures there are to be analysed.

If we look again at the Window Factory come 2015, instead of having 100 sets of analytics thousands will be available specific to their industry and millions specific to complementary industries so many of the problems that would have arisen in the real world will already be thrashed out in UCS Voyager. Theoretical avenues to successes, that may not have been tried in real life "money where your mouth is" decision-making process will have been run in the simulation. So starting with a million compatible simulations, if only one in a thousand works, then there would be a thousand new workable ideas or paths available. Some extremely effective options, risk tested that can be enacted at the touch of a button.

In pink, we see VSN Voyager, linked to S-World VSN (Virtual Social Network). The same principle but entwined within many games and fun elements, designed to draw the public at large to assist with simulations. Unlike UCS Voyager which continually updates with real-time financial, partnership and inventory information, and

moves users from simulated resorts to real resorts when they are identified; VSN Voyager takes on the characteristics of an untamed Multiverse, where anything is possible.

Voyager 2 is a token presence for other Voyager Simulations. Possibly running at four or eight times our current speed and possibly starting in the future going forwards or backwards.

On a final note, on many occasions, BBS's (Businessbook simulations) and their operators will do deals and work with Voyager Simulations.

## The PQS

To our right, we see the complete picture. Attached to QuESC and the future network simulations, we find the Businessbook concepts and various software applications from S-World.biz to Sienna.Gov all attached to Businessbook. We have already covered various software contingents, and more will be detailed. Needless to say at the very least it is complex. And so we add this complexity to the Businessbook employee's inelegance to drive innovation, said innovation assisting all that conduct business or enjoy the network on the S-World UCS side of the Finite Math Engine.

The software computation and analysis of the information received from S-World UCS assists the human contingent within Businessbook in analytics of the successes and failures of the various Network strategies, Enhancing solutions, improving advisory notices and in general creating a seamless bridge between Businessbook and S-World UCS.

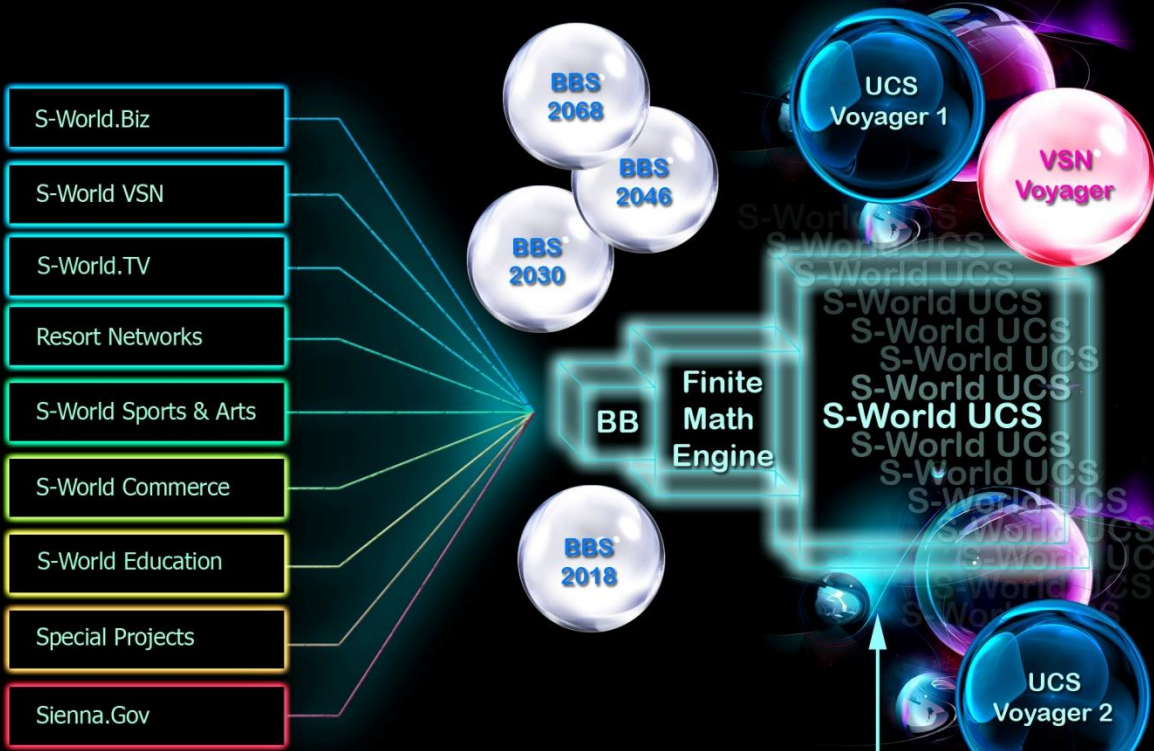
At the bottom right, specific to S-World UCS, sits the UCS database and registry. It is presented in the same fashion as our previous hypothesized cube which sat around our butterfly's wings, measuring with 100% accuracy. This is deliberate as the registry must be without error, an exact real-time representation of the financial and inventory status of all companies attached to an individual network. Complete mathematical perfection, no rounding errors, in either actual network calculations or simulated network calculations.

There will not be a single database. Rather each resort network will house its own server, deep underground powered by various forms of alternate energy. Over time each server will grow into a supercomputer, as such, each network will house one part of the global database. And if one makes errors, it will not make a significant dent in the global picture.

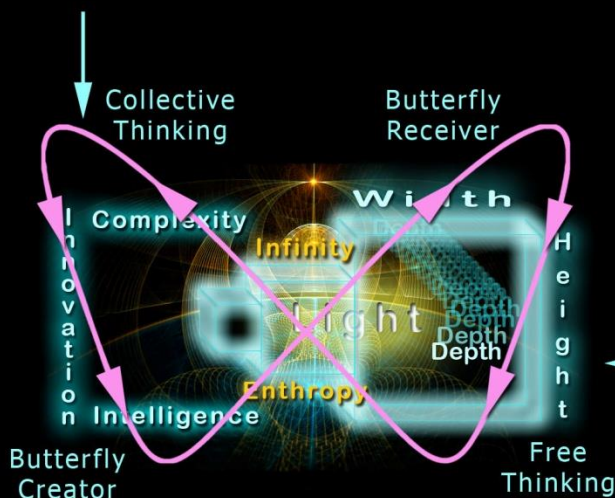
All elements combined, QuESC (ourselves), our many future simulations, our powerful yet simple software customized to all conservable business types, sizes, and languages. The hardware network of supercomputers, complementary concepts like S-World TV & Sports and the various Special Projects all combined to shape the future in a way that best serves humanity, ecology and our complexity.

This is the PQS, as best as can be considered Predictive Quantum Software, using every trick in the book to assist our journey. Assisting us in creating and implementing a Butterfly Effect within our lives.

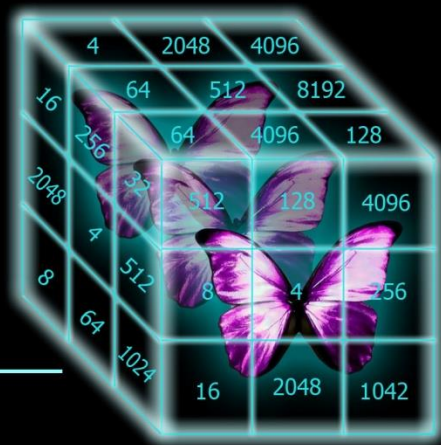
# S-World PQS > Predictive Quantum Software



## Businessbook Concepts & Software Elements



## Multiverse Entanglement Butterfly Supersymmetry Relationship



## S-World UCS Registry / Database

2014 2022 2030 2038 2046 2052 2060 2068



# American Butterfly pt.2

## 'Spiritually Inspired Software'

### *Chapter 2:*

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## To Infinity and Back Again

By Nick Ray Ball October 2012

Page 2:  $E \times TOE = MC^2 + TOE/\infty - 16 = 16 \text{ PPG}$

Page 3. Spiritually Inspired Software

Page 6. Rounding Errors

Page 9. The Mandelbrot Set Fractal

page 10. What is Compatible Finite Mathematics?

Page 14. Introducing POP "The Star of the Show"

Page 25. Baby POP



$$E \times TOE = MC^2 + TOE/\infty -16 = 16 \text{ PPG}$$

Last year whilst interviewed by Anna Maria Tremonti, Brian Greene suggested in response to Anna's question: "As you know it can be a difficult struggle to get people to buy into well established mainstream science in the US right now, like the science of evolution, the science of climate change. Is this the right kind of social and political environment to be trying to do this kind of work?" "Looking at questions like, how did the universe begin? Where did this cosmos come from? And what is the true nature of reality?"

Brian replied "What I have found is much of the resistance to science is coming from the way that we teach it and the way that we present it. Many people are intimidated by the idea of science. Science is presented in a way where they feel like they don't get it like they are not smart enough to get it, and that's a failure of how we present it."

Alongside other objectives, I hope this subchapter "To Infinity and Back Again" assists others to look at physics and the sciences from a positive "I can," perspective, regardless of education or common knowledge. One thing is for certain. If you believe you can do anything that is possible, you may or may not do anything that is possible. However, if you believe you cannot do something, you will definitely not succeed, as invariably one will not have started. Positivity per se is not necessarily a sure-fire magic ticket to instant success. But negativity is a sure-fire magic ticket to failure. So whatever one wishes to achieve, the only clear road is via positivity. No matter how gigantic a task may seem, say for instance discovering "The Theory of Everything"; the sooner you start the journey the sooner you will be on your way. And quite often, even if one does not reach the initially desired objective, one's life will be greatly enhanced by the journey.

As briefly mentioned in the previous chapter on the 22<sup>nd</sup> September 2011 a team of Italian scientists working at the large particle accelerator at CERN, published results that indicated the speed of light had been broken. Only to find out five months later that there was a mechanical error. At the time of the initial publishing, it was suggested that Einstein's Equation  $E=MC^2$  was not incorrect per se, rather that there was more to it. So being of the "I can do anything" school of positivity, I thought I'd have a crack at it. And over a 13-hour frenzied day of Steve Jobs styled Zen instinctive thinking the equation  $E \times TOE = MC^2 + TOE/\infty -16 = 16 \text{ PPG}$  was born.

Of course, adapting the most famous equation of all time from a starting point of not even knowing what the "C" in  $E = MC^2$  stood for (the speed of light), may seem over adventurous to many. But as it turned out, it was an endeavour well worth perusing as it opened the door to what is now the heart of American Butterfly the POP (Pressure of Profit) Investment Principal.

Before detailing the journey, first, we need to establish what PPG, stands for. This is best established at the source. The source entitled "SIS - Spiritually Inspired Software" being the eighth and final section, within the original Facebook Product presentation which was to be filmed in an easy to watch, fun manner.

# Spiritually Inspired Software (SIS)

“It’s not just about the code, as important is what we wish the software to achieve”

## What is String Theory?

Q&A Nick Ray Ball & Landi Swanepoel 10th July 2011

Philosophical String theory says “You can not predict the future, but you can by moving the masses in the desired direction, mould or shape the future.”

### Ok, nice idea but what’s that got to do with S-World?

Well if you break down the various S-World plans and objectives, particularly what we want to achieve, advances in software, physics, ecology, health, alternate energy, housing millions, and in general offering people a more scientific perception of karma and spirituality; we create a more ecological and fair society as well as a more peaceful world. So if successful, S-World will have moved the masses in the desired direction.

### Ok, I get it, “moving the masses (people) in the desired direction.”

Exactly, shaping if not changing the future.

### Have you got another example?

Ok, now this one goes way out there but it comes back nicely so stay with me. “String Theory” is a genuine contender for “The Theory of Everything.”

### The Theory of Everything, what’s that “The Particles of Physics within God”?

Quite possibly. I’d certainly like to think so. But until someone can prove it, it’s just a theory.

### So are you claiming S-World might be a contender for “The Theory of Everything”?

In a way yes, S-World has thousands of business and PR plans. So far I’ve not found one business that will not benefit. Some more than others of course. But so far it does seem to work for everything.

Now I’m not saying S-World is “The Theory of Everything”

I’m not saying it’s “The Theory of nearly everything”

I’m not saying it’s “The Theory of most things”

But I do claim S-World to be, “The Theory of, just a little more than we know now,” and as such, is a step in the right direction, a step in the desired direction.

<http://www.s-world.biz/FaceBook/Product.htm>

So within  $E \times TOE = MC^2 + TOE/\infty -16 = 16$  PPG, the PPG is "The **P**articles of **P**hysics within **G**od." I had better put down a base marker for God, as referenced. I'd like to think my perception is similar to that of Einstein and Bohr, their "God does not roll dice," and counter, "Stop telling God what to do." The exchange feels similar to my perspective. Which is to consider our universe without a God as an orphan and God as someone that could answer any question one would like to ask. Be it a divine being, or a single soul from a hyper-evolved species in another Universe communicating via high gravity bursts.

In the last chapter, we looked at the Multiverse Entanglement Butterfly Principle and saw the Butterfly Effect graphic transcending the Multiverse. This is as best a description as I have yet visualized as PPG. And so for the best part, within the equation, we should consider the PPG as a form of String or M Theory.

So to the balance of the equation,  $E \times TOE = MC^2 + TOE/\infty -16 = 16$ , to start with. At that time of writing, I had no technical knowledge of Quantum Mechanics, General Relativity or Contemporary String Theory. I did however have a great appreciation for the concept of The Theory of Everything as its words seemed to fit the S-World business model. So The Theory of Everything (TOE) became the key addition, which seemed apt if one was looking to solve the mysteries of the universe.

To the right, we can see a "hindsight" breakdown and two translations. Before offering detail, please note this was a highly creative exercise where MC (Mass x The Speed of Light) was changed to Mass of Consciousness and TOE was not physics per se. Rather a more spiritual utopian concept based around positivity and "good."

The important constituent within the equation in terms of the progression of American Butterfly was the " $TOE/\infty -16$ " or " $/\infty -16 = 16$ " being equal to Compatible Finite Mathematics. Or at least being the trigger that started the investigation into mathematics itself. Before elaborating for posterity, a brief explanation of the rest of the equation as considered in hindsight with greater knowledge of actual physics is presented.

Firstly applying Quantum Mechanics to one TOE and General Relativity to the other is an obvious move as TOE for the best part is specific to what will unify the two. And so I now interpret the first result,  $E \times QM = MC^2 + GR$  (CFM) ST as the consideration of S-World UCS where the mass of our consciousness is added to our reality (General Relativity) then sent into the future. The plus being indicative of our ability to control the simulations. The ability to place them in a time of our choosing. In this case, QM would be a contingent of Quantum Mechanics yet to be specified, possibly a Quantum Field.

Secondly, our 2a:  $GR = QM$  (CFM) ST, reverts the plus to a multiplier as was suggested as a possible alternative within the original equation. Here we see the result is specific to suggesting General Relativity will unify with Quantum Mechanics via String Theory, with assistance from a Finite Mathematical Principle.

So to the CFM Compatible Finite Mathematics, or as previously named Chaos Science " $/\infty -16 = 16$ ", to start the lazy 8 " $\infty$ " is infinity, which seemed appropriate as the very concept of "The Theory of Everything" in any format added to the speed of light had a very infinite demur to it.

$$E \times TOE = MC2 + TOE \quad /\infty - 16 = 16 \quad PPG$$

$$/\infty - 16 = 16 = \text{Compatible Finite Math (CFM)}$$

1. TOE1 = QM (Quantum Mechanics)    TOE2 = GR (General Relativity)  
 MC2 = Mass of Consciousness    PPG = ST (String Theory)

$$1. E \times QM = MC2 + GR \text{ (CFM) ST}$$

2. MC2 = Mass x Speed of Light squared when MC2 + TOE, changes to MC2 x TOE

$$E \times QM = MC2 \times GR \text{ (CFM) ST}$$

$$\cancel{E} \times \cancel{QM} = \cancel{MC2} \times GR \text{ (CFM) ST}$$

$$2a. QM = GR \text{ (CFM) ST}$$

$$2b. GR = QM \text{ (CFM) ST}$$

My general take on the situation revolved around the idea that, as infinite and out of reach as a Theory of Everything could be, it must exist. I considered that it would not be just one or two theories combined rather many, or maybe all theories applied from a positive (with good intentions) perspective. For example use Einstein's Theory to build nuclear engines to power a spaceship to aid exploration, rather than build bombs to blow up the world.

And so the concept of positivity was introduced, to defy the infinite nature of a Theory of Everything. Reverse infinity and backtrack to a point of accurate reference, to go to "Infinity and Back Again" required the components to work together and become more than the sum of their parts, they needed to become circular. The initial component adding strength to all others, then becoming re-stimulated by those that it stimulated. The system needed to be akin to a positive Butterfly Effect.

To arrive at the number 16, I simply considered five theories and gave them a score. To simplify I made their score double the sum of their parts. The five initial theories considered were: The Theory of Evolution, String Theory, The Theory of Relativity, Chaos Theory, and The Spartan Theory.

One doubled equalled to 2. This doubled to 4, so on to 8 and finally 16. After creating the five theory model I considered more factors and soon the doubling-up process started to offer very high numbers seemingly rushing back from infinity at an expedient rate. That was all it was, not physics, rather a philosophy.

**Before continuing with events, I'd like to set the scene in terms of the direction of my work up to and at the time of writing the equation. By sharing an extract from my first complete physics chapter placed on [www.s-world.biz](http://www.s-world.biz) entitled "EEE The Economy for the next 14 Billion Years," compiled in October 2011 from consideration made over the previous months.**

## **Rounding Errors**

### **The Base of Lorentzian Chaos Theory**

A Note on Lorentzian Chaos Theory: The first paper on Chaos Theory was written by Edward Lorenz in 1972 to the American Association for the Advancement of Science, it was titled "The Butterfly Effect."

One day in 1961 Edward Lorenz, mathematician and meteorologist, entered some numbers into a computer program simulating weather patterns and then left his office to get a cup of coffee while the machine ran. When he returned he noticed the sequence had evolved differently, ending up wildly different from the original. The computer model was based on 12 variables, representing things like temperature and wind speed.

On this day Lorenz was repeating a simulation he'd run earlier—but he had rounded off one variable from .506127 to .506. To his surprise, that tiny alteration drastically transformed the whole pattern his program produced. The unexpected result led Lorenz to a powerful insight into the way nature works: small changes can have large consequences. The idea came to be known as "The Butterfly Effect" after Lorenz suggested that the flap of a butterfly's wings might ultimately cause a tornado.

*Stephen H Kellert says: Small differences in initial conditions (such as those due to rounding errors in numerical computation) yield widely diverging outcomes for chaotic systems, rendering long-term prediction impossible in general."*

*I say: The global economy is a complex chaotic system, rendering long term prediction impossible.*

**"Repeat a complex system long enough and eventually, something surprising may happen" (BSG)**

Until recently I'd never really considered the rounding errors within the financial software as such a problem. Not compared to the human error and fraud which would be elevated due to the system. This said the more I considered "Chaos Theory" and I guess respected it, even understood it; albeit in an unconventional way I started to think more about the rounding errors.

I wanted to solve the problem. And so another item was added to the "what I wish to achieve" list. At first, I wondered if it was already possible. Then later on thought no because if they could calculate to infinity that would have made the news. Then I wondered if Mark Zuckerberg could do it. And for a while, I just thought,

the problem would soon be in his capable hands. But then the contemplation that it simply can't be done, Mark Z or no Mark Z, infinity is infinite. By its very definition, it can not be calculated.



And if so, there is no way to ever create a stable economic system, the Economy for the next 14 Billion years, as there will always be rounding errors. This was annoying as it meant EEE (The Ecological Experience Economy) and the S-World software could not be perfect. I did however start to think "I bet if I worked it out, something really cool would happen."

End of Extract

Before moving on it needs mentioning that my  $TOE/\infty -16$  Equation was not the sole guide to the significance of doubling and compartmentalizing numbers and creating circular events.

In many ways, the principle had been ingrained into my psyche since the age of 16 when I purchased a basic Roland drum machine. This led to the purchase of a Roland W-30 sampler sequencer and on to the Q-Bass music sequencing software, which led me to spend the 1990s programming music as my profession. Each day working within subsets of 16 compartments within each music bar, building the bars of music into sets of eight before slotting them together to make a song.

When I moved into this century I stayed with the same mathematical principles. However this time within the internet animation program, Flash, which by 2002 had created the inspiration for S-World VSN and UCS. All told I had spent 15 years of my life working almost daily with sets of 16, within sets of 8, overlaying 64 adjacent versions. Quantizing, experimenting and playing with various intricate string and precision patterns.

Another influence was the April 2011 concept of gaining additional PR by structuring the Global Network. Or at that time what was better considered a set of 16 Global Franchises around a FIFA Global Soccer League. A concept they very much desired and a company I had good relations with. The Number 16 came about as the optimum amount of teams in a league that was expected to also play a knockout competition every second year 16/8/4/2/Winner.

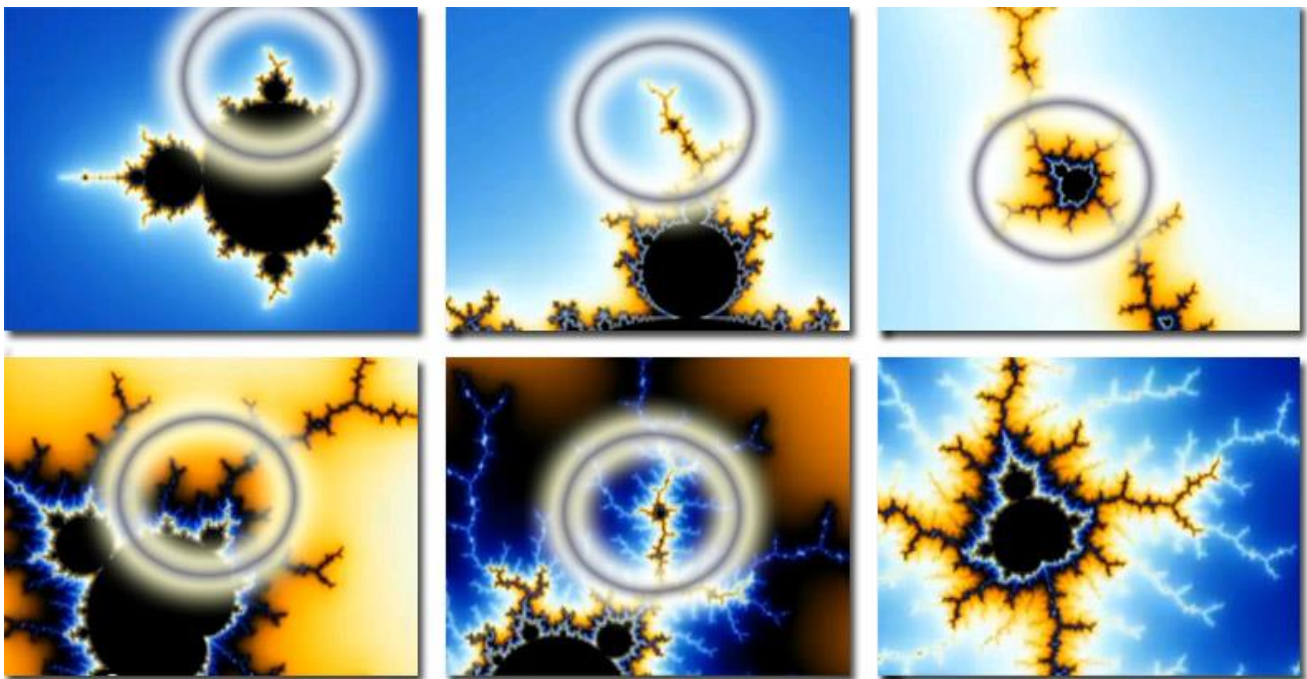
Fortunately 6 months later by the time the significance of such numbers presented themselves from a mathematical perspective, the Global Network in terms of conglomerates, locations and subdivisions within locations was already nicely formatted within divisible sets.

# The Mandelbrot Set Fractal

A day or two after writing the TOE/ $\infty$  -16 equation, the significance of the infinity defying mathematics fixed in my mind, I searched the web regarding the subjects of infinity and doubling numbers. And I found something beautiful, The Mandelbrot Set Fractal.

The Mandelbrot Set was discovered or more specifically created by *Benoit B. Mandelbrot* on the 1<sup>st</sup> of March 1980 at IBM's Thomas Day Watson Research Center in New York. If you follow the pictures you will see how it literally becomes itself within itself over and over, duplication upon duplication.

Within the Mandelbrot Set, a fine balance between infinite and finite mathematics is forever present, much like the principle I was looking to describe with " $\infty$  -16". Wherever you see a black pixel, the mathematics is finite. Wherever you see a colour, it represents an infinite calculation. As such within the Mandelbrot Set proper (the black shape) we see a continually duplicating system that defies infinity. This is known as fractal geometry.



To really grasp it you will need to look on the web. There are many examples, the most detailed in terms of both graphical content and documentary is: "Arthur Clarke – Fractals – The Colors of Infinity." The following dialogue contains extracts.

The documentary starts with a computer simulation of a Mandelbrot Set about 6 inches across. Similar to the Set illustrated in the first picture above. It is then magnified 13 times and we see more detail appearing. We start to see mini Mandelbrot Sets, replicas almost identical yet subtly different.

Then the magnification is increased to 3000 times so the original six-inch picture would be half a mile wide, and we see more detail and more mini sets. On to a magnification of a billion times, so the original set is bigger than our entire Universe, we still see new patterns and images emerging. The Mandelbrot Set is infinitely complex.

Whist the Mandelbrot Set is infinitely complex, it's based on incredibly simple principles which highlight the fact that very simple formulas can offer very complex results. Much like Einstein's  $E=MC^2$  is a very simple equation with far-reaching consequences. The equation for the Mandelbrot set is equally simple  $Z \Leftrightarrow Z^2+C$ , however unlike Einstein's equation where the letters stand for the physical quantities Energy, Mass & Velocity. The letters in the Mandelbrot equation stand for numbers. The numbers are coordinates, positions on a plane defining the location of a point of reference.

Another important difference to  $E=MC^2$  is the double arrow ( $\Leftrightarrow$ ). Which is best described as a kind of two-way traffic sign. The numbers flow in both directions ultimately feeding back on themselves. This process of going round and round a loop is called iteration. The output of one operation becomes the input of another and so on and on and on.

This  $\Leftrightarrow$  behaviour is in many ways the essence of the circular event's infinity defying quality I was trying to portray within  $TOE/\infty -16 = 16$  PPG, which may have been better-written  $TOE/\infty -16 \Leftrightarrow 16$  PPG.

One of the most striking facets of the Mandelbrot set is the internal consistency. If you look at the boundary and zoom in you will find baby Mandelbrot sets. Perfect in every detail but slightly bent and decorated by slightly different external features. Then if you zoom into the boundary of the baby Mandelbrot one finds baby, baby Mandelbrot sets, the second generation, and inside those a third generation. And this goes on forever.

**Islands of order in a sea of chaos.** This consideration alongside the double arrow greatly influenced the key American Butterfly Signature equation:  $M \Leftrightarrow B^{ST}$ . Where the Mother of each league or string creates circular feedback loops with the rest of her sibling league or string.

This observation is significant to the forthcoming POP Investment Principle and the creation of Network Strings or Leagues, which grow in the same fashion. Baby networks, create more baby networks. All islands of order in a sea of chaos, all designed to benefit one another via the specifically programmed Butterfly Effect waves.

The Mandelbrot set is also assimilated to DNA. Whereby DNA per se is a simple sequence of values that defines the species. However, DNA does not define the individual, it just provides the starting position. Again this is similar to the POP Investment principle.

The word fractal means any geometrical structure that has detail on all scales of magnification. No matter how big you make it you still see extra details you did not see before. In other words, it never ends. And as such replicating its qualities within an economic system would suggest or even dictate continual growth.





The financial software was always going to take a small per-transaction fee, indeed this way equals less than the initial consideration, so it's hardly an imposition. And if it is seen as so, we can change it to \$0.000033.

Of course, the calculations will not always be so simple. Often a \$0.0033.r will come in individually and have to wait for a couple of its symmetrical friends to arrive. Further from time to time, a highly complex recurring number may appear such as  $3227/555 = 5.8144144144.....$  where the 144 is repeated indefinitely.

To this, I have no definitive answer and ask for assistance from the physics and mathematics communities to assist. There may be an answer within fractal geometry, the mathematics of String Theory or Quantum Mechanics, but most likely Supersymmetry I feel. However, as such numbers are held within the proverbial "recycle bin" Special Projects Provision, to a certain degree they are ring-fenced. Separated from the day to day trading of the individual Resort Network economy and in turn the Global Network economy proper.

Even without a magic system or formula compressing all loose end numbers together within the provision would result in the discrepancy in comparison to the Network economy being tiny. The equivalent of a Planck Length theorized and widely accepted to be the smallest possible scale, at  $1.616199 \times 10^{-35}$ .

The Quantum Divert Principle is a relatively new addition to American Butterfly. And is a platform for others to add to before moving to the POP Investment principle. A quick word on Planck Length and the possibility of structuring the Network economy around it, or another suitable figure.

**In general, alongside the elimination of chaotic mathematics, we are trying to follow the natural world wherever possible.** And whilst the general specification to the physics and mathematics communities is to make the Network mathematics and structure based on the best possible set of physical rules, not necessarily the specific makeup of our Universe, in general, where possible; we will follow the rules that govern our universe.

When it comes to the currency of the network and the structure of network growth it would seem to make sense that we base the core calculations not specifically one dollar or one billion dollars, rather the currency should reflect the natural world. As such all calculations may end up as a multiple of a universal constant, or if possible a constant that was common to the multiverse.

For example, POP (the fuel that drives quantum economics) may end up as a Planck length (h) x 8 x 51.5 within the time our planet revolves around its sun.

To help explain a quick excerpt from Brian Greene's "The Universe on a String" 2008 TED lecture:

"When we look around the world there appear to be about 20 numbers that really describe our universe, these are numbers like the mass of the particles, the electrons and quarks, the strength of gravity and the electromagnetic force. A list of 20 numbers that have been measured with increasable precision, but no one has an explanation as to why the numbers have the particular values that they

do. We believe an answer to why the numbers have the values that they do may rely on the form of the extra dimensions.

If these numbers had any other numbers than the known ones, the universe as we know it would not exist. If I had twenty dials up here and I let you come up and fiddle with these numbers, almost any fiddling makes the universe disappear. In String Theory, all the numbers are reflections in the way strings can vibrate and the geometry of the way they can move within the 10 dimensions.”

More recently, in April this year in his latest TED lecture, a very excited Brian Greene revealed another constant. I too was excited. The reason for my excitement was that it was a measurement for “Repulsive Gravity” as first theorized by Einstein, in his “Theory of Gravity.” As generated by the invisible mist that fills most of our universe known as Dark Energy. Whereby it creates the opposite action to gravity, instead of pulling things towards it, it repels objects. As such if M-Theory is correct we have found another measurement for a force or messenger particle that may be able to transcend dimensions into other Universes. And as such another potential vehicle for the Multiverse Entanglement Butterfly has been measured.

On the downside, it is forcing our own universe to expand at such a rate that in the future we will not see so many stars in the sky as all other galaxies will be too far away. This also could greatly hamper the colonization of our universe. Although this will not happen for a long time. By which I’d hope we will have worked out the kinks in the “Star Trek” entanglement teleport device and will be able to go pretty much where ever we wish.

For the record, the force of repulsive gravity is  $1.38 \times 10^{-122}$  a ridiculously small number.

Brian’s excitement was due to there being no explanation for this number within the physics that we know, Classical Physics, General Relativity or Quantum Mechanics. So opening the door to String Theory and the Multiverse in that other universes may well have a different shape for the extra 6 dimensions. And as the shape of the dimensions affects the strings that affect all that is within the universes, each universe would have a different value for the value for Dark Energy.

Indeed, we are very fortunate our Universe has the number it does. A higher or lower number without a shift in the numbers of many of the other universal constants would have lead to galaxies and planets not forming and we would have nowhere to live.

So we may need to pick one of the 21 numbers. And have that as the base number for the POP network currency and structural makeup, as per cubed (multiply by 8, not 2) constriction method.

Until someone has a better idea we will be sticking with the Planck Length as potentially a number that is not specific to dimension, a possible Multiverse Constant.

Currently, the POP Investment Principle works at a starting position of \$1Billion per year in profit, from which point everything else is calculated. Not just financially, but the number of networks. And so the number of

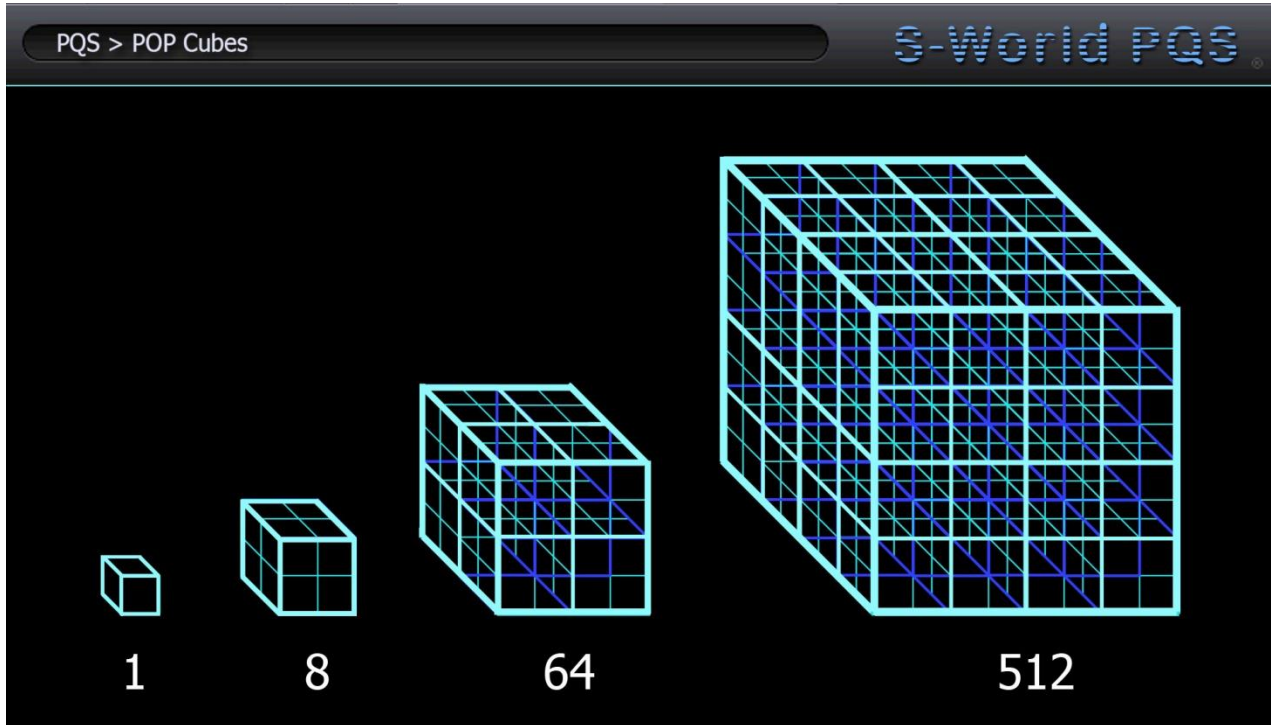
energy projects, the number of operation centres, the amount of hardware, the number of business sectors and so on.

POP is the Network constant so to the best of my calculations when all is said and done, POP may not be set at \$1Billion rather, \$1,153,359,646.35184 which is Planck Length (h) x 8 x 50.5

This does complicate things a little which is not always the best thing. But like I had a feeling removing rounding errors would lead to something surprising. I have the same feeling about basing the network structure on a universally translatable number, be it Planck Length or other.

For now, we shall not concern ourselves with this and revert to the \$1Billion POP value, in anticipation of further advice regarding this topic.

Before moving onto POP, a quick explanation of the cube (x8) principle, taking the "counting in doubles" principle further. A more efficient way to count, or more to the point, compartmentalize particularly from a visual perspective, is to count in a cubed format. So instead on  $1 > 2 > 4 > 8 > 16 > 32$  we have  $1 > 8 > 64 > 512 > 4096 > 32768$ . Below we see this operation in progress with eight single cubes forming a larger cube and so on. Geometrically this is the simplest way to count; as such, this framework becomes the structure for the Global Network, where, by the year 2036 US BABY POP target is to create two sets of 4096 cubes. More detail is provided in the following chapter.



# Introducing POP “The Star of the Show”

Well, it's been a long time coming. The POP investment principle has three times reshaped American Butterfly. Initially, in August 2011, this very simple principle led a business and economic plan with considerations of science to become a mathematical plan with considerations for economics. Triggering the journey toward the United States as a launchpad and “American Butterfly.”

Then in April 2012 an adaptation called Baby POP stopped and the then draught of American Butterfly dead in its tracks, dictating a complete rewrite. Building the proverbial team around the man, the analogy at the time. Like Barcelona and Lionel Messi, where BABY POP was Lionel Messi and American Butterfly Barcelona.

Finally, in August 2012 a further adaptation, Angel POP, turned American Butterfly on its head once again. Illuminating the way to a Global Solution.

## The Analogies!

There are 5 analogies POP worthy of a mention, presented in order of consideration.

### **1. The McDonald's business model** (September 2011)

For over 20 years, come rain or shine, McDonald's have increased their dividend offerings. There is a good argument that if they had not they would have overtaken Apple as the world's most financially successful company, especially if they diversified.

This is why: McDonald's control the franchises of over 30,000 restaurants and takes about 5% of their turnover each year. One part of this is used to pay dividends. Another part is used to purchase new land to build more restaurants, to open more franchises. Each new restaurant increases their overall income, and at the same time, McDonald's are continually increasing their balance sheet with more capital assets. So long as people still wish to eat at McDonald's it is a continuous growth model. And if they did not, the company is still strong and in a good position to diversify.

Please consider: Tomorrow if Quantum Mechanics went on strike...Apple, Facebook, Google and Microsoft would be out of business and save any offices they may own be penniless. Alternatively, if the world turned vegetarian, McDonald's would still be worth billions and billions of dollars.

### **2. Music & Chaos Theory** (April 2012)

If we consider Jimi Hendrix we would not necessarily apply the phrase **"An Island of order in a sea of Chaos."** Indeed we would not use the word order at all.

Please imagine a Jimi Hendrix song. Now consider him playing wild and free, live, stoned and on acid, lots of acid, playing freestyle. Jamming with the band as opposed to following a particular song structure.

I hope you have a suitably chaotic song in mind. But the song has perfect order, as applied by the precision. The compartmentalizing of time by beats keeps everything together.

As soon as every eight bars of music are complete, it's the beginning of a new section, a new chapter. The previous chapter, as chaotic as it may sound, orderly on reexamination broken up into specific bars. Once the sound gets to the end of the bar, it's compartmentalized, contained & given order. Indeed, so much order that the audience can relate perfectly to the song.

The POP investment principle follows this pattern, where companies may trade wild and free. Making as much as they like, but at a certain point of profitability, a line is drawn. And from that point onwards, the additional profit is invested into a new network. This being so, one always knows exactly how much profit a network will internally record.

### **3. Economics and the "Aga Effect" (September 2012)**

In economics, the base principle of stopping profitability at the optimum level is called "?????". On a big scale or a small scale, there comes a time of optimum profitability. Where yes one could make more revenue by perusing expansion. But it comes at a risk and greater expense, and a lowering of the revenue vs. profit ratio. An example may be a highly profitable Indian restaurant in a mid-sized town that is full each night. So the owners open another, then another so there are three restaurants in the town.

With only so many people wishing to eat at an Indian restaurant, each new restaurant leads to all restaurants reduced profitability, but a tripling of costs. Further, as the restaurants are no longer full, they lose their exclusivity factor which could further decrease profits. And as the owners are now having to manage 3 sets of problems their focus is less and their ability to keep an eye on staff honesty and qualities is lessened. Everything told its quite possible that whilst revenue has increased, profitability remains the same.

In general, if the restaurateur's entrepreneurial nature was such that expansion was inevitable, it would have been a better move to open the second and third restaurants in other towns. Where there will be no direct or internal competitors.

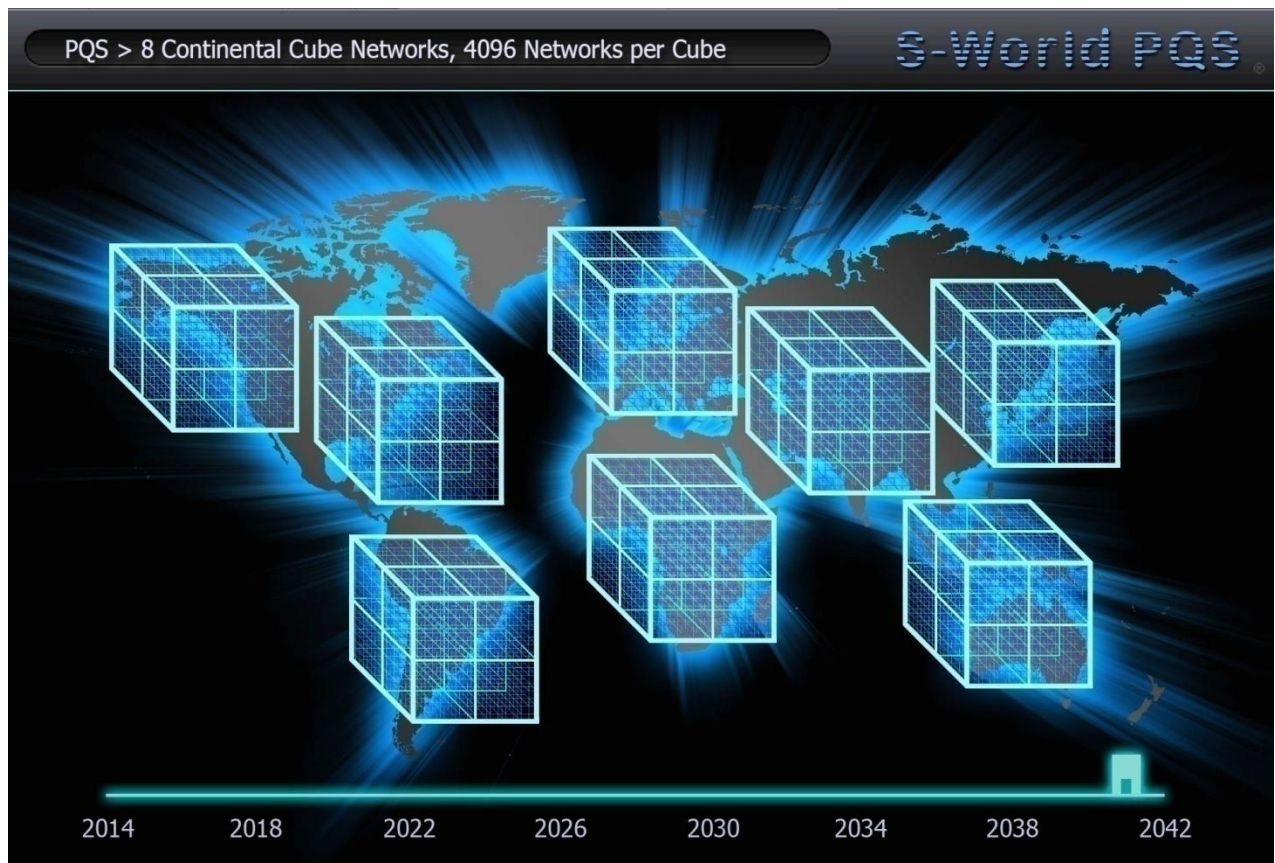
### **4. General Relativity (September 2012)**

In its classic form POP creates an absolute picture of the Global Economy on the Macro (grand) Economic Scale, when considered as a Global Picture as pictured below. Where each of the large continental cubes represents 4,096 individual networks, unless a network is generating above its POP target (\$1Billion profit per year) then it does not exist. A zoom-in would see holes within the continental cubes. Or more specifically in an absolute pure model, continental cubes can not be displayed as whole units until all component networks are in POP.

In this respect, POP is similar to General Relativity, as it deals with absolutes on a grand scale. This makes for a simple, at a glance, analysis of the Global Network Economy. Be it from a President or a Presidents five-year-old son or daughter, who may say "There's a hole there Daddy. Should we not try to do something about it?"

As one can only add or subtract, alongside the basic nature of individual networks which protect their strings (leagues) and clump together in sets of 8, 16 and 64.... There is no way, there will ever be problems with rounding errors. Even after say 14 Billion years of growth, and the Network Economy is Universal.

POP creates an absolute Firewall against Chaos on the Macro Economic Scale.



## 5. The Multiverse, String Theory and the Graviton

No one knows how the strings in String Theory gain their energy. In the next subchapter, we will see a hypothesis on this called Tuning Theory, reverse **engendered** from the POP network growth strategy/procedures entitled Satellite String Networks, Super String Networks, & Quantum String Networks.

The Graviton is hypothesized to be the invisible messenger particle that energizes strings. Capable of travelling from Multiverse to Multiverse. If this was so and considering the Multiverse from the perspective of there is other sentient life, and this life has worked out how to send messages or assist other universes via gravity; this would surely make gravity a would be treasured commodity, possibly the most valuable commodity in the Universe.

However, let's say our hyper-intelligent friends have enough gravity, so they send some our way. As they see potential in our kind within our universe, they are investing in our universe and so our universe grows. Our universe becomes a franchise of sorts.

The POP investment principle works in a similar way. Except instead of creating and assisting other Universes, the parent founding Networks using gravity, we transit money via an electronic method. Which, as there is no physical exchange, if one was not aware of the process, one could not see it. However, this exchange enables the building of resorts, hospitals, universities, and all that goes with it.

So POP has the properties of a messenger particle. It is not physical, but it energizes its recipient regardless.

## The Discovery of POP

POP was discovered in the creation of a graphic a few days after the  $E \times TOE = MC^2 + TOE/\infty - 16 = 16$  PPG equation had lead to the Mandelbrot fractal and the realization that one could make a complex system that was devoid of rounding errors. Before delving in, it would seem appropriate to detail a little history to help set the scene of S-World at the time of discovery.

In 2003, utilizing the original prototype of S-World VSN with the assistance of the families of Nelson Mandela and Walter Sisulu the product was set to be linked to the Galileo or Saber GDS's to create a global travel network entitled Lux Guides. However low bandwidth and other technical issues hampered the launch.

Come April 2011, the S-World VSN concept was upgraded from 2D Virtual Tour to 3D Virtual World and was entangled with the S-Web and S-World.biz components. At this point, all told, there was no doubt in my mind that the combined product was the future of Global Business Networking. My confidence expressed by my realization that as profit was close to limitless I did not need it, and so I pleaded my share to good causes.

The decision to use my money in philanthropic endeavours immediately returned gratification. Firstly, in the obvious PR benefit to the Network. But more than that creatively, within 4 days from the 4<sup>th</sup> to the 8<sup>th</sup> April 2011 I was rewarded with three updates to the network design: The Sienna Project, The Ecological Experience



Economy, and The Spartan Theory. By the time I had unravelled the potential, figures were reaching a point where the most appropriate measurement was in the percentage of Global GDP.

A brief flirtation with Google came to an end when I for the first time saw the film "The Social Network." And when it became apparent that Mark Zuckerberg was motivated by success not money, he and Facebook became the only choice as the first technical contact. This still holds true today.

On the 1<sup>st</sup> May 2011 came my introduction to TOE & String Theory via Isaac Assimove's "Psychohistory": "You may not predict what an individual may do, but you can put in motion, things that will move the masses in a direction that is desired, thus shaping if not predicting the future."

By July Chaos Theory and The Butterfly Effect were added to the mix, initially on two fronts: Firstly in terms of the financial software, which was designed to link directly to banks, and eliminate human error. I consider if rounding errors made for a chaotic economic system, this was a small consideration in comparison to human error and fraud.

Secondly was the consideration of the Butterfly Effect in reversing the negative cause and effects that were hampering the Euro Zone. Specifically, Greece potentially defaulting on its loans and making various banks vulnerable, which in turn made their parent countries vulnerable. Creating a gigantic negative ripple to all the citizens and businesses within the countries. So, by turning Greece's fortunes around and strategically reversing the scenario a profound positive effect would result.

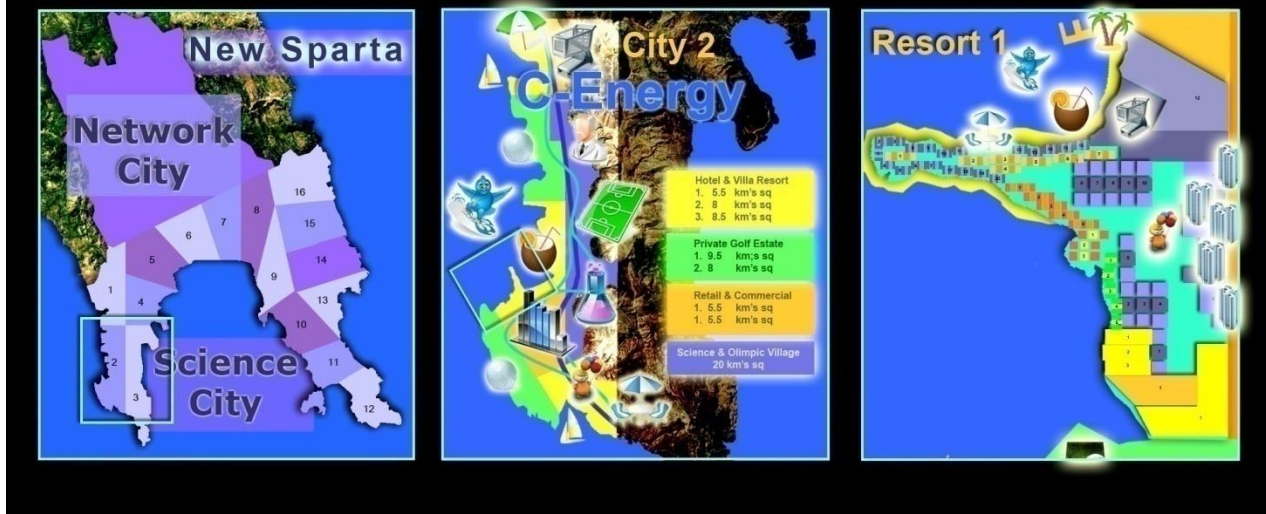
By the end of August, the business plan was ready for Facebook. It included Facebook Gifts, S-World VSN, S-World.Biz, S-Web alongside profitable ventures in Travel and Real Estate, and a solid investment plan to cover all other industries.

Unfortunately, as it turned out getting in touch with Facebook was not an easy procedure. This said and in hindsight had Facebook been contactable, that would have been that, and American Butterfly would never be.

So really the phase should be: fortunately as it turned out, getting in touch with Facebook was not an easy procedure.

With the network plan, now having a foothold in all industries, and Facebook uncontactable; the focus steered towards the economic (governmental) targets. And the resort development contingent originally considered in April came back into play and the second chapter or maybe better-put book of The Spartan Theory began "Sparta Rises Again".

This revolved around the creation of a gigantic new city in Laconia, Southern Greece named "New Sparta City of Science," where S-World would have its base. And within the City of Science, the software development would begin.



This greatly assisted all the industries' approach. As it meant companies that saw no immediate benefit other than future technical achievements would receive capital assets in part ownership of the land and buildings in Science City.

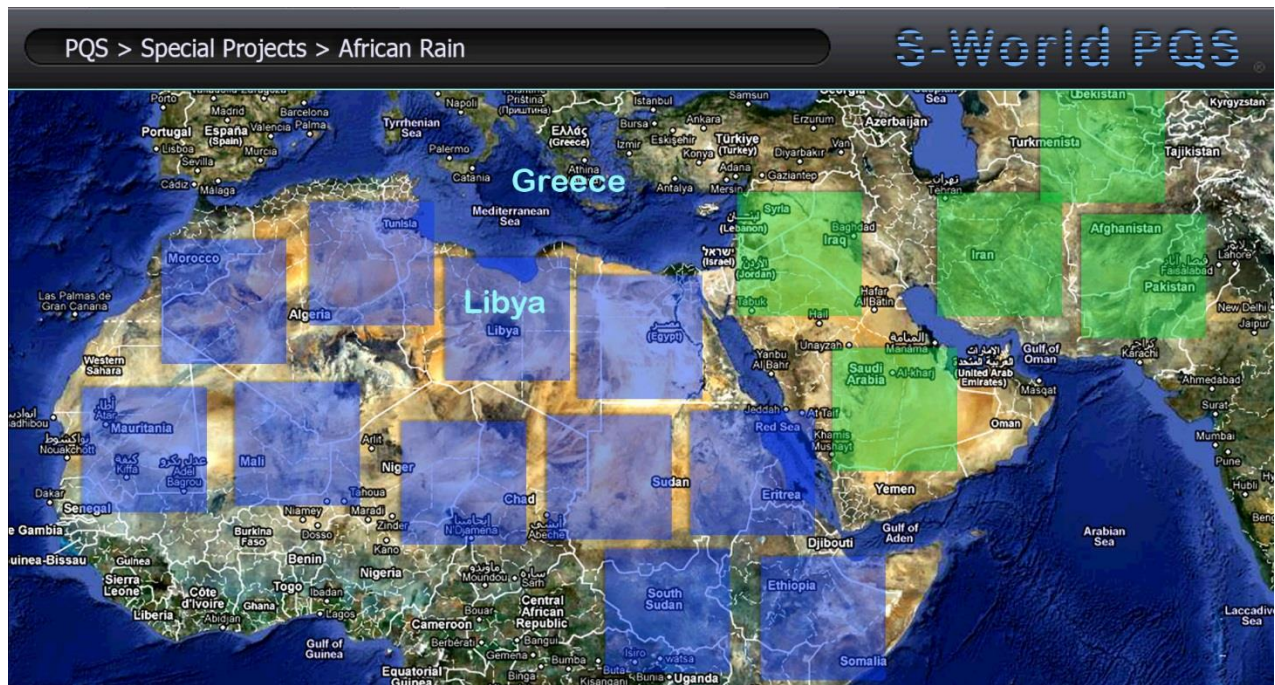
The consideration at the time was for New Sparta to be Greek, but a self taxing republic. The tax of sorts entitled "Give Half Back" was in essence the profit that should by rights have been mine, but used to fund the research, upkeep the city and fund ecological and philanthropic projects. The economic plan was solid. An investment contingency was in place to cover Greece's annual economic shortfall for 4 years. At which time New Sparta would network 500,000 businesses in Greece. This was brilliant, as it created a critical mass of businesses. Big enough to make the software and network competent in all industries, with collective ordering and financial efficiency increasing profitability across all sectors.

This would require a Greek Referendum to make usage of the software mandatory, but there was no way the Greek people were going to say no. The economic principle was very simple. The Greek annual deficit was about the same as their reported loss of income due to tax evasion. So instead of the S-World.biz software just calculating tax, it would pay it automatically. As such within 4 years, Greece was due to be one of the only countries in the world to be breaking even.

On top of this, the construction and settlement of the City would create more jobs than there were unemployed Greek citizens. Dramatically lowering welfare costs and stimulating the entire Greek economy. As such come 2017, Greece would be making a substantial profit. This of course increases confidence and so investment and business opportunities for the rest of Greece. The positive effects become circular and Greece becomes an economic powerhouse.

Going into the investment and profit models will take too long. Other than to say for industries without a specific plan, a combination of the "Window Factory" tender model and the "Location Butterfly" Real Estate model were added to the general "keep up with the Joneses" investment philosophy. Should you wish for more information, there are many notes on [www.S-World.Biz](http://www.S-World.Biz).

One aspect that needs a specific mention was the influence of the African Rain Special Project. Whist planning ways to make New Sparta a "Location, Location, Location" enhanced city, many interesting "Wow" features were thrown into the hat. Including a solar-powered desalination plant that would pump enough water to turn large arid areas into botanical gardens and in time rain forests. This caught the imagination of S-World no2 Mike Enslin and the African Rain Special Project was conceived, here is the original graphic.



POP, The Pressure of Profit investment principle, became a factor when plotting the profit Facebook would make from the Facebook Travel 2017 financial forecasts in terms of global assistance. I had not given up my share of income just to make Facebook rich. Facebook like all other companies are economic, ecological and philanthropic vehicles.

To maximize the positive Butterfly Effect from Greece, one needed not only to stabilize Greece but to go forth. At that time specifically considered was Libya into Africa, and Spain, Italy, Portugal and Ireland. And so profits were to be used to create new Science Cities there and across the globe.

Ironically, in the here and now, the income for Travel is now so trivial. It gets but a passing mention and is no longer attached to Facebook. But at the time the \$68 Billion a year by 2017 represented a significant sum.

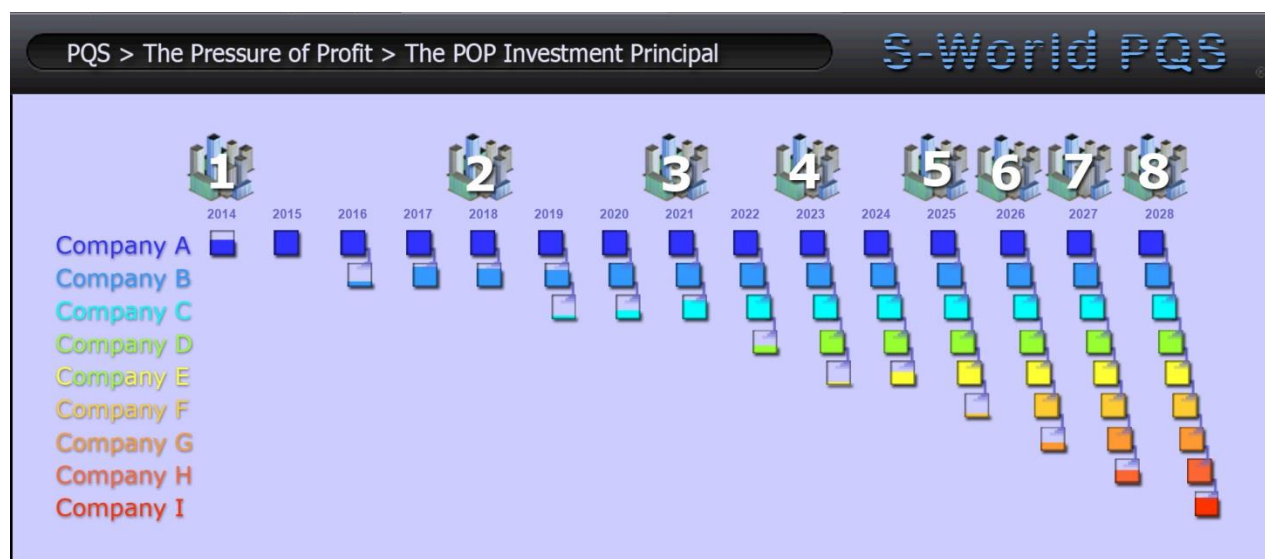
I considered if Facebook were to set a limit to their profit in sequence with the doubling of numbers, in blocks of 4 so avoiding odd numbers. When tallying up the profit from all sectors and all industries in the same

fashion, the Macro Economic picture would be devoid of rounding errors, and at the same time, it would make their profit predictable. So long as each sector performed, year on year in their particular location, their profit would be exactly whatever the profit limit was set at.

At the time the figure of \$4 Billion per year was considered. As such, as soon as a sector generated over \$4 Billion the rest of the profit made would be invested into a new development, a new network in another country. There was no disadvantage for companies in a network. As the companies own what they invest in and profited from the new businesses created.

Indeed, as it would turn out when retail, construction and the rest of the industries were added; POP becomes a distinct advantage. As with the creation of a new network comes a host of new local businesses wishing to join. A new catchment area of people to spend money and a new batch of willing employees. Plus from a network perspective a new operations centre, university, research centre, supercomputer, solar array and SURH (Super University Resort Hospital).

So I started to make a graphic. And whilst it's very obvious what would happen I did not realize till I saw it for my own eyes. Three years at Photography and Graphic Design Colleges paying off at last.

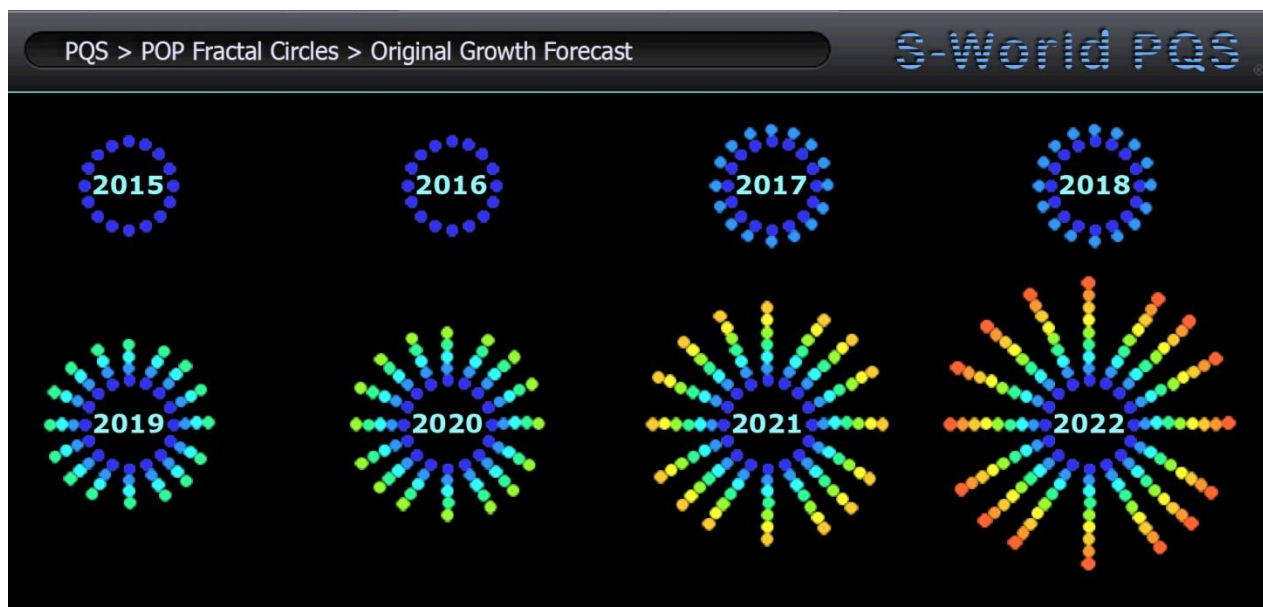


Of course, when you had two networks both generating above their profit ceiling, the flow of excess profit into the third network is double, then treble, and so on. Until by the time the 5<sup>th</sup> network is contributing, the flow takes on an almost magical growth dynamic, new networks launching year on year.

As obvious as this may appear to be if it was that obvious someone would have done it before. I firmly believe this was a realization that showed that just by trying to add order to economics, you gain significant advantages. I had said to myself regarding the elimination of rounding errors: **"I bet if I worked it out, something really cool would happen."** And this was a really cool something.

Just because it's incredibly simple, it does not negate its immense power. In fact, when it comes to math's and physics, it seems the one thing everyone agrees on is the simpler it is the better it is. The more symmetrical, the more natural.

Next, I plotted a scenario. Taking into account 16 networks, or more specifically at the time, the 16 industry sectors within New Sparta.



Whist this was slightly unrealistic as it was unlikely all sectors would perform evenly, it illustrated the global expansion potential. At the time the outer red dots were considered as "the edge of chaos." A possible limit to expansion whereby all the inner dots were safe, and we would see a kind of "battle line against poverty" in the outer rim.

In the here and now, with a year's progress to the model, this is no longer the case assisted by the principle equations  $M \Leftrightarrow B^{st}$ ,  $QS+AR > +100\%$  and in general the diversified nature of the network. Indeed ELE's aside the only threat to network growth is running out of things to build. Hence the greater impetus for Special Projects, from immediately practical projects such as African Rain to Extended Space programs, and to other complexity protection exercises.

The creation of the POP investment principle saw the creation of the first chapter that put science centre stage with economics. The POP principle was considered very much a Macro-Economic Solution. It did not solve the problem of rounding errors within the individual elements of the Network, but over time, the expansion would lead to hundreds then thousands of \$4 Billion blocks. The simple fact that one could only add in sets of four meant to save an infinite amount of \$4 Billion blocks. There was no way to create an infinite recurring number.

The chapter was entitled "**EEE - The Economy for the next 14 Billion Years.**" In terms of the elimination of rounding errors, it may be best summed up by the final tongue in cheek graphic. Which was in part a tribute to



This meant hospitals and a complete take over of the pharmaceutical industry. Either via allocating research money or alliance with the pharmaceutical companies alongside the creation of an awful lot of alternate energy sources. The latter having the advantage of being in general a safe investment leading to an enormous annual revenue stream for the network once complete.

Initially, the idea was to replicate the New Sparta Science City 16 times. The full new Sparta Model in today's terms meant, 8,192 separate Networks, 512 per City. This was soon split up, a combination of large and small networks. The concept of smaller networks bringing the advantage of having operation centres and hospitals nearer to the businesses and people they would support.

By February 2012 the first version of American Butterfly was created. But on running the figures, I was for the first time since the envisagement on the Sienna Project uncertain of success. The trouble was, logistics aside with so many Networks, the big money-making concepts were split between too many Networks. And so there was not enough profit to start the POP process, which at the time it required companies to make an annual 100% profit compared to their investment. In short, there was too much internal competition.

Being from the school of "double your efforts" unbreakable positivity, this problem troubled me for about a day. Encouraged by the conceptualizing of what is now entitled QuESC I muddled on, confident the solution would arise at some point. I started to create a basic version of the PQS in the form of a combination of interlinked spreadsheets, alongside working on various aspects of economics. In particular, homing in on the exact figures needed for the Medical Liabilities and Alternate Energy devices. Until in the middle of March, the combination of influences led me to create "Quantum Force Theory." Which turned the project to concentrate on maximizing the profit vs. revenue of each Network (This is detailed in the following chapter.).

This concept added to the PQS Data indicated that if the initial number of Networks were reduced and we looked at an adaptation of the POP investment principle we could make it work. And by mid-April, the initial set of networks was down from 8,192 to 256, with a second phase planned two years later. With the new version of the POP investment principle creating Network Strings, 16 per network over a 22-year period. The initial parent networks benefiting from various exclusive income sources like Facebook Gifts and tenders from their Strings. Plus the slow creation of the String gave plenty of time for each network to establish itself. But most of all, due to BABY POP, the string and all networks within were safe, permanently. Like the original POP principle, Baby POP seemed like a God sent magical solution.

# Baby POP

The reason for the name Baby POP is because Baby POP does not conform to the creation of solid stable predictable economic blocks, rather it simply follows the expansion method. Sowing the seeds for the creation of a network string to come to its actual predictable state at a later juncture. Before presenting the detail it is necessary to put a scale to events to illustrate the "failsafe" ideology of Baby POP.

One concept of "failsafe" is in terms of "at the very least we achieve our 3 primary objectives," being the absorption of US Medial Liabilities and the elimination of fossil fuel dependence, the combination of which to achieve US long term economic strength. So Baby POP at the very least tackles all US Economic, Health, Energy problems, the latter of course also addressing Global Warming.

The other contingent to "failsafe" is in the scale of capital needed to achieve the same. Focusing initially on the first set of Resort Networks, or as they are known within Baby POP "the Anchors" or Anchor Networks.

I'm not particularly happy presenting an Anchor financial summary at this juncture as at the time of writing (2<sup>nd</sup> Oct 2012) a meticulous summary is destined for a later chapter. However, I must as it's important to appreciate that the amount of capital needed for the success of Baby POP is akin to a drop in the ocean, between 15% to 30% of current PQS forecasts.

Specifically, each Anchor of which there are 512, is required to generate \$600 Million in profit come 2018, Whereby each Anchor is expected to generate between \$2Billion and \$5Billion.

So before delving into the specifics and the magic of Baby POP, PQS expected forecast needs to be touched upon. I will however be brief on a subject that has immense substance and detail.

First, we shall consider the construction industry and the building suppliers. As per our "Suppliers Butterfly" from Chapter 2. The Window Factory invested \$2.5 Million and showed 98% profit at \$2,450,000 come 2018. Climbing to 429% profit at \$10,750,000 come 2036. For now, we are only concentrating on 2018 but it's important to have a baseline figure in one's head for growth after this date.

Working on basic ballpark estimates of the \$2 Billion in investment sectors available for each Anchor, considering the importance of construction assigning 10% of share allocation to this sector seems appropriate. As such we multiply The Window Factory's profit by 80 equals \$195 Million. Note actual building profits are assigned to the Operations Centre. This is the profit made by the suppliers of all building materials.

Next, we come to e-commerce and Facebook and as detailed in chapter 5 an additional \$275 Million. However, if one casts their mind back to the "GDP Buster" nature of the "Lx." concept we remember Facebook's markup was as low as 2.5%. Deliberately to stimulate spending from the superrich so manufacturers could make a profit.



Here is the total manufacturer's revenue and profit breakdown.

	Suppliers Revenue	USA	Anchors	Per Anchor	QE Score	Anchor Profit
Facebook Gifts	\$115,751,937,500	33%	512	\$74,605,741	50%	\$37,302,870.48
FB Gifts Plus	\$182,595,937,500	33%	512	\$117,688,788	45%	\$52,959,954.53
Lx. Gifts	\$1,895,625,000,000	33%	512	\$1,221,789,551	35%	\$427,626,342.77
Lx. Plus	\$3,283,968,750,000	33%	512	\$2,116,620,483	30%	\$634,986,145.02
Facebook Stores	\$51,200,000,000		512	\$100,000,000	50%	\$50,000,000.00
<b>FB Suppliers Total</b>	<b>\$5,529,141,625,000</b>			<b>\$3,630,704,563</b>	<b>33%</b>	<b>\$1,202,875,313</b>

First, we see the supplier's revenue. Next comes a global breakdown assigning 33% to the USA, divided by the number of Anchors. After which we apply the QE (Quantum Economic) Profit vs. Revenue Score which induces the profit of the manufacturer, the profit made by all their suppliers from base materials to sundries alongside the profit made from the companies that the staff and owners spend their Network Credits and Salaries on. This generates \$1,2 Billion per Anchor, a significant sum, over double the Baby POP requirement.

Whilst there is no doubt in my mind that Facebook will join the party and indeed exceed these figures for the sake of "fail-safe's" S-World commerce needs to be detailed. This is a book all to itself.

S-World e-commerce has not yet been mentioned. However, it is central to every aspect: S-World VSN, S-World VBN, S-World.Biz, S-World PQS, S-World UCS will all be entangled with S-World e-commerce.

Before going further it needs to be pointed out who owns S-World, it's not going to be me, not a single share. S-World will be owned by the technology companies and the media companies, electronic media devise manufacturers and maybe the pharmaceutical companies.

It's a simple and yet highly complex affiliate system. That sees the likes of Apple, Microsoft, Google, Amazon, HP, Samsung, Nokia, Intel, Dell alongside most technology companies. And most if not all media companies getting paid every time someone buys an item, be it a CD, a Holiday, a Mountain Bike, or a House. The figures work out that these companies make far more via S-World revenue than they do from their current operations.

Add to this S-World TV. This is for the best part an Angel POP initiative that will be making half of the worlds films and TV series. Alongside S-World Sports, another Angel POP initiative, that sees the current prize money in sports greatly overshadowed.

Add to this S-Web controlling the internet as it is alongside the "per human results search engine" making such a goal fair. Include all the devices with S-World VSN, not the operating system per se rather the environment, offering all S-World software and media for free.

I hope you are getting my drift. S-world will not make a play for e-commerce, S-World will be e-commerce. Why would partners allow rival companies who are not monitored for quality to trade? Especially when each

purchase from an outer network company affects their bottom line, especially when rivals are not saving the planet.

So if for some Bizarre reason Facebook e-commerce does not perform as expected, the concepts will prevail. I'll not get into S-World Stores at this juncture other than to say they will be gigantic and exceptionally fun.

All told the only way at this juncture to give a profit appraisal for S-World and all its suppliers is in terms of expected Facebook performance. And with Apple and Amazon alone having over half a billion members who have made e-commerce purchases and Facebook figures worked out on only 100 Million of their members signing up, well if we say S-World will double Facebook projection, I feel we are in safe territory.

So we see \$550 Million for the combined tech media and pharmaceutical companies and \$2.4 Billion for their suppliers.

Buinessbook, aside from the Operational Income from the inner resort network activities, an additional income stream is generated from the sale of products to the public and trade for companies that are not currently core members, i.e. companies that have not yet invested in a Network. In this case, a large commission will be levied, up to 100%. This will bring in substantial extra profit. But I'm not going to put a figure on it.

Of course, there is also money generated by the day to day trading in the networks themselves, travel, retail, and entertainment.

Lastly comes the other 50% plus of industries that have not yet been considered. For these we defer to the question asked at the beginning of Chapter 5.

**America Butterfly Question, AB8:** Has the case been made that technically the minimum any resort network can collectively make in 2018 is a 40% profit margin. Higher \_\_\_\_\_ OK \_\_\_\_\_ Lower \_\_\_\_\_?

A question that has seen only positive responses. However, it needs to be noted that our Baby POP fail-safe only requires a 30% Profit Margin.

### **Summing up**

As per the question above it is technically impossible to make less than 40% which is equal to \$800 Million, only \$600 Million is required. And before accounting for Buinessbook fees or any general resort spending, we have a well-considered but loose PQS estimated 2018 profit forecast of \$4.6 Billion.

So we can walk into Baby POP with confidence regarding funding.

Note as the Anchors create siblings and start to make strings, some or even most of the e-commerce manufacturer profits will be spread between the strings.

And we are back to Baby POP firstly compared to the original New Sparta POP process. There are several adaptations.

Firstly, GHB (Give Half Back) thresholds. Back in August 2011, the original POP worked on a 50% profit rake. However due to the entanglement of many circular events that makes the very nature of the expansion of the network ecological and philanthropic, in many ways the Give Half Back principle has been thrown out the window. It does however remain in place in name to describe three levies made by the Network on companies.

The point to Baby POP is to turn an Anchor Network into a league or string of 16 Networks by 2036. With 256 individual Anchor Networks launched in 2014 and the second set in 2016. So creating 512 Network Strings of 16 totalling 8,192 come 2036. From 8,192 we work out the Medical Liabilities and Alternate Energy commitments which were detailed in Chapter 3. Where \$100 Million per Network was required for Medical Liabilities. And for Alternate Energy two sets of \$68.5 Million are required, one of which is within Baby POP. Added to this comes operational expenses for all university, research and operation centre activities of \$125 Million. All totalling \$296.75 Million per year, rounded up to \$300 Million.

However, the operation centre has many profit centres including all building contracts, money made from paying clients at the hospitals, energy sold, tuition fee's and media payments to name but a few. All told the Operation Centre is expected to generate in the region of \$200 Million a year, effectively making Baby POP. "Give Half Back" commitments \$100 Million, which even at the lower projected network forecast of \$2Billion a year has decreased "Give Half Back" to "Give one Twentieth Back," and yet still fulfilling its purpose. Indeed, all factors combined and including the next chapters Angel POP "Give Half Back" vastly exceeds its initial economics and philanthropic ambitions, as such despite its technical inaccuracy, the name remains.

Before continuing a technical note on the \$200 Million odd in Operation Centre profits, this money will not be returned to companies pro-rata to their contributions. Rather this money will be distributed evenly to all companies pro-rata to their initial investment. For companies like Facebook who are forecasted to generate \$275 Million a year an effective 3500% return on their investment, it's water off a duck's back. However, for less effective companies, this can become an excellent additional income stream. As such creating a set of companies within the network that have a dual focus in supporting the operation centre.

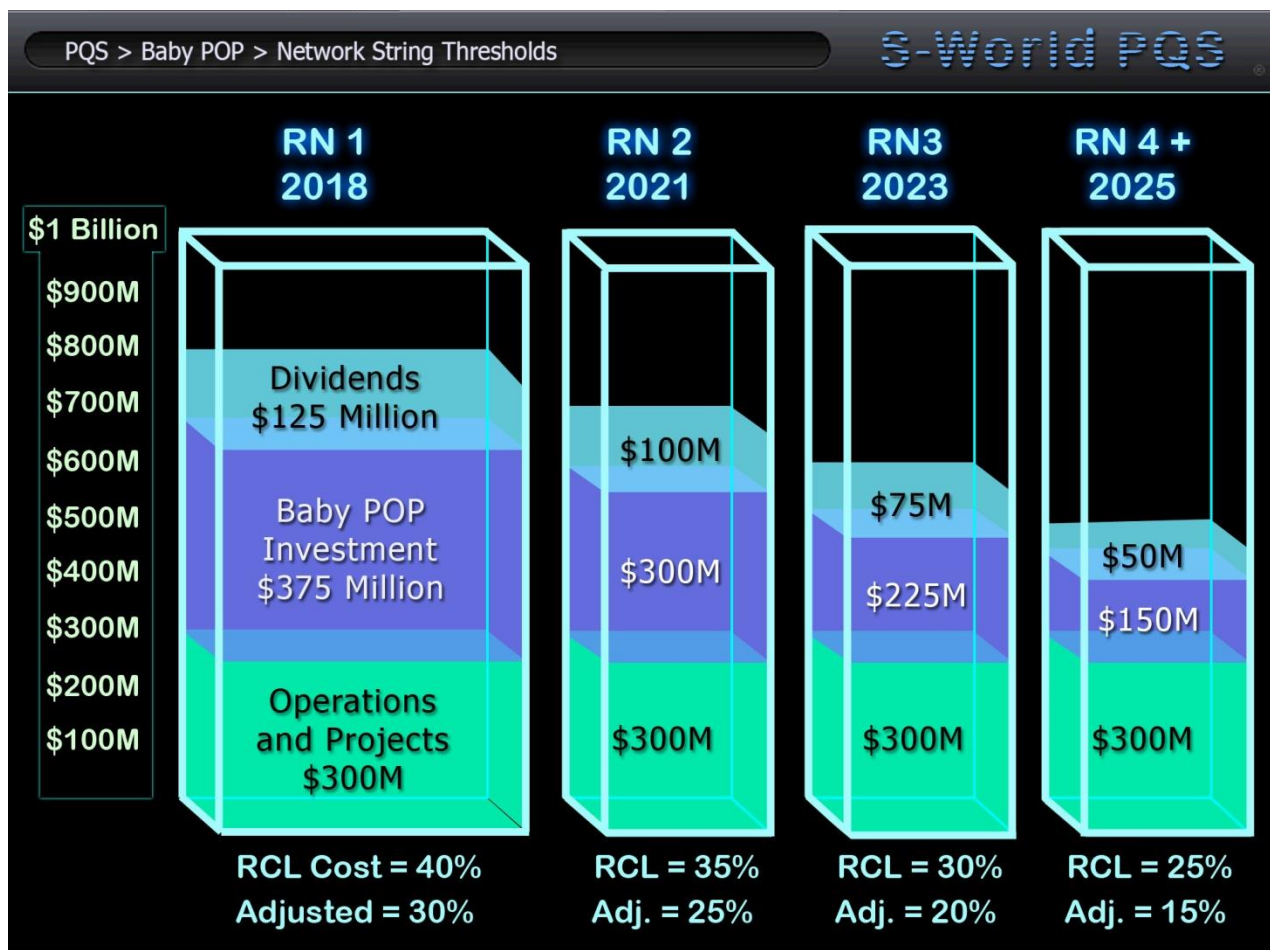
To our right, we see a graphic representing a breakdown of the Baby Pop process detailing the Anchor network and its first 3 siblings in its string. The dates are not specific to the creation of each network rather the point at which the Baby POP process starts, which is always in the 5<sup>th</sup> year.

Let's start by considering a standard business that in 2018 is generating the required 40% of its initial investment. To clarify, if a business initially invested \$2Million, all network advantages included it is now making \$800,000 a year in profit. This company will receive \$125,000 in Network Credit dividends. It will invest \$375,000 into a sibling network which as highlighted in the "Locations Butterfly" within Chapter 4 will return a

capital asset of greater value alongside (if desired) a new income-generating company within the sibling network.

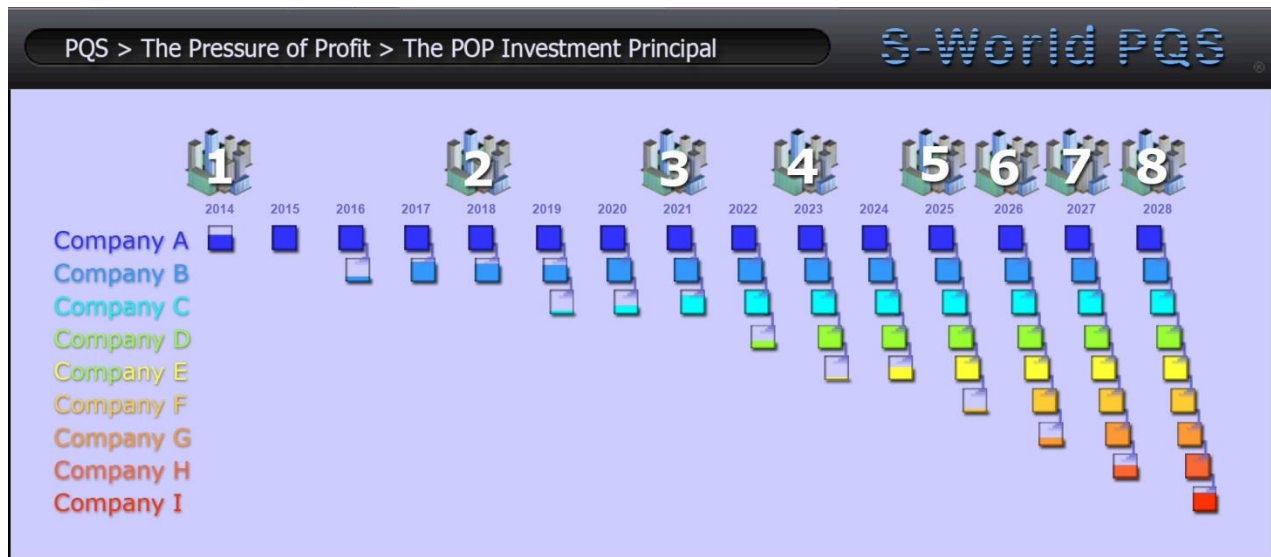
Lastly, it will contribute \$300,000 to operations and projects. However, as operations and projects return their profit, \$200,000 will be returned to the investing company. Most likely in the form of more Network Credit Dividends.

All told the company will have invested \$2 Million. Per year from 2018 receive \$325,000 in dividends and have gained over \$350,000 in capital assets alongside a new income-generating company if desired. All told including appreciation on the capital asset an approximate 40% return plus the opportunity of another income source. As such and ROI (Return on investment) in the region of 11 times the return of investing in US government bonds.



Moving on to sibling networks we notice that the Baby POP and dividend returns are lowered. These two contingents are linked, in that Baby POP accounts for 75% and Dividends are at 25%. The lowering is to put a fail-safe to the fail-safe, alongside the notion of "we take only what we need." In the broader spectrum of Network activity, it is the Operations and Projects that are a necessity. As long as this money is available, the US Economy, Health & Energy needs are covered. The lowering of the Baby POP threshold as will be disclosed

is more than enough to create the Network String, from the 4<sup>th</sup> sibling onwards, the contributions stay the same. Note: Once these figures are met, Angel POP takes over, as presented in the following chapter.



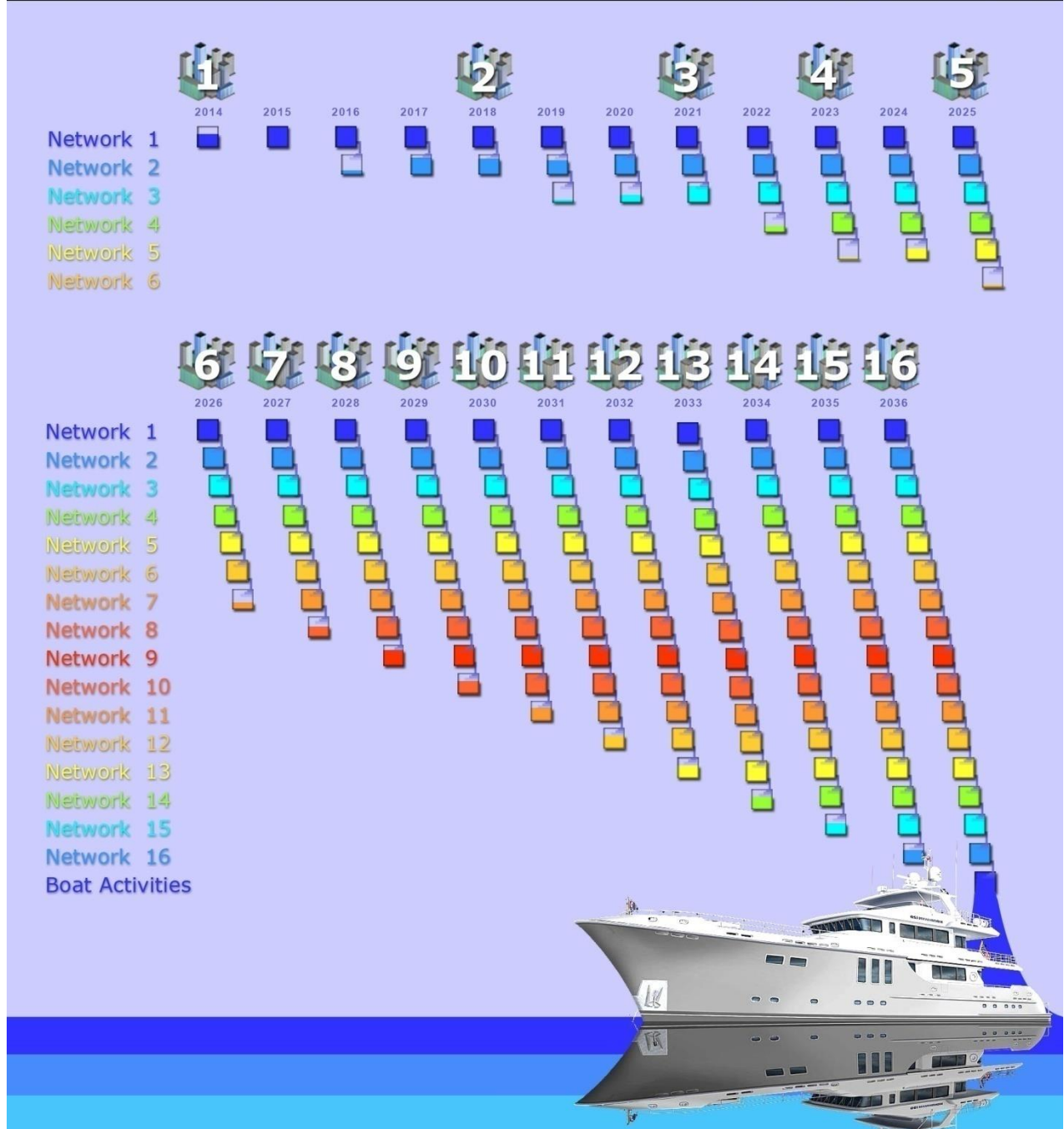
Above, once again we see the original graphic that inspired the POP investment process. Seeing the 8<sup>th</sup> network displayed in red, indicative of the potential “end of the line” where the battleground began at the edge of chaos. A process that I envisaged seeing a forwards/backwards motion of the stabilization of a network one year and a decline the next.

To our right, based on the precise data that is presented over the next 8 pages via spreadsheet, we now see a very different story. Where instead of the 9<sup>th</sup> sibling representing the end of the line, it represents the beginning of an ever easier road to string completion. As each network’s small but significant contribution adds to the momentum.

At the bottom of the graphic we see “The Boat,” this is representative of Baby POP contributing a whopping \$2.7 Billion a year on top of the final sibling’s direct income. The reason for the name “The Boat” is its ability to venture forth. Its early days and not until the Boat is fully laden will its precise direction be considered.

It will however first invest internally. Quite possibly in recourses and minerals up until the point when it is independently generating over \$1Billion a year, as that is the POP stability point. That is the point where on the greater economic map of the network, it would appear on the map.

From this point “The Boat” will most likely follow a number of avenues, investing into its own string. Bring all networks to stability. Creating a Super String Network as detailed in the following chapter, and creating Satellite Strings as also detailed in the next chapter as part of Angel POP.



As so we move onto the BABY POP spreadsheets

If you are reading this in word on a computer, the following pages will be difficult to follow as the full spreadsheet is split into 4 double-page spreads. If you have a big screen please go to View > Two Pages, or [click here](#) to download the spreadsheet, or go to [www.s-world.biz/downloads](http://www.s-world.biz/downloads) and download "BABY POP".

RN	Year	Initial Investment	Annual Profit	POP over	POP A	POP B	POP C	POP D	POP E	POP F	POP G	POP H
1	2014	1000	200									
1	2015		400									
1	2016	500	600									
1	2017	500	800									
1	2018 +		800									
2	POP 2017			0								
2	2018	2000	200		375							
2	2019		400		375							
2	2020		550		375							
2	2021		700									
2	2222+		700									
3	POP 2020			206								
3	2021	2000	200	525	375							
3	2022		400		375	300						
3	2023		500									
3	2024		600									
3	2025+		600									

Above we see the first of 4 double pages illustrating the BABY POP 2014 to 2040 Network String creation.

Starting with the basics, top-left 'RN' stands for Resort Network. This is followed by the year. Following the row beneath after 2014, we see initial investment, usually, this comes in one chunk at the beginning of the process. However, for the first network, half (\$1Billion) comes in the launch year the balance in 2016 and 2017. This is a provision allowing diligent choosing of appropriate local companies as partners within the timeframe.

Next, we come to an annual profit of \$200 Million in 2014. Rising to \$800 Million in 2017 totalling \$2 Billion over the first 4 years, 50% of this profit is generated by the internal construction process.

Moving over to the right-hand side of the spreadsheet in 2014 we see the \$200 Million recorded as cash flow and subsequently banked.

In 2015 the process repeats. This time adding an additional \$400 Million in profit to the \$200 Million from 2014 so making \$600 Million in the bank.

In 2016 \$600 Million is recorded as profit. This added to the \$600 Million in the bank affords a \$1Billion cash injection into the internal construction process.

2017 is the last year before the parent resort enters the BABY POP process. Until now all operational expenses are covered by the initial investment and no capital has been used for special projects.

POP I	POP J	POP K	POP L	POP M	POP N	POP O	Reinvest	New RC	Cash Flow	Bank	GHB	Sub Total	POP 75%	Div 1 25%
									200	200				
									400	600				
							1000		-400	200				
								1000	-200	0			0	0
											300	500	375	125
									0	0				
									575	575				
							1000		-225	350				
								1000	-75	275			206	69
									700	700			525	175
											300	400	300	100
									1306	1306				
							1000	1000	-925	381			286	95
									500	500			375	125
									600	600			450	150
											300	300	225.0	75

In 2017 RCN generates \$800 Million in profit which when added to the \$200 left in the bank allows a \$1 Billion investment into the next resort network, RN2, the sibling of RN1. This \$1 Billion is matched by new investment and becomes the start-up funds for RN2.

Before examining RN2 please look at the bottom (dark purple) line of RN1. To the left \$800 in annual profit is recorded. To the right we see the profit split into 3 divisions, GHB (Give Half Back) is operational expenses, solar and energy projects & medical initiatives. Then the balance of \$500 Million is split 75/25 with \$375 becoming POP investment into RN2 and \$125 returned to the company owners, or shareholders as network credit dividends.

**RN2:** Starting in 2018 RN2 starts immediately with \$2 Billion in investment, half from RN1 and a half from new sources. Each year added to their general profit \$375 in BABY POP investment from RN1 is injected into the resort. So allowing the \$1 Billion internal reinvestment in 2 years not three and the \$1 Billion investment from RN3 in 3 years, not four.

**RN3:** 2021 please note "POP A" investment from RN1 now bypassed RN2 and goes straight to RN3. Further please note that before this in column "POP Over" \$525 Million has been recorded from the "POP 75%" column of RN2 in 2021. This "POP Over" system happens in all RN's until their 5<sup>th</sup> year when the BABY POP process starts outright. At which point in 2022 we see RN3 fueled by "POP A" and "POP B."



		Initial	Annual	POP	POP	POP	POP	POP	POP	POP	POP	POP
RN	Year	Investment	Profit	over	A	B	C	D	E	F	G	H
4	POP 2022			286								
4	2023	2000	200	375	375	300						
4	2024		400	450	375	300						
4	2025		500									
4	2026		500									
4	2027+		500									
5	POP 2024			796								
5	2025	2000	200	375	375	300	225					
5	2026		400	375								
5	2027		500									
5	2028		500									
5	2029+		500									
6	POP 2025			203								
6	2026	2000	200	581	375	300	225					
6	2027		400	375								
6	2028		500	375								
6	2029		500									
6	2030+		500									
7	POP 2026			-87								
7	2027	2000	200	581	375	300	225	150				
7	2028		400	656								
7	2029		500	375								
7	2030		500									
7	2031+		500									
8	POP 2027			-192								
8	2028	2000	200	792	375	300	225	150				
8	2029		400	656								
8	2030		500	375								
8	2031		500									
8	2032+		500									

Taking an overview above we can now clearly see the BABY POP process at work. Please cast your mind back to the BABY POP graphic that illustrated the cost of BABY POP decreasing over the first 4 years. In RN1 \$375 Million, in RN2 \$300 Million, in RN3 \$225 Million and from RN4 onwards \$150 Million. This is partly as a safeguard but more with regard to the principle that comes in the 4<sup>th</sup> RC. That is all the capital that is needed to complete the league of 16 resorts in a timely fashion. So leaving additional earnings for other projects and networks.

POP I	POP J	POP K	POP L	POP M	POP N	POP O	Reinvest	New RC	Cash Flow	Bank	GHB	Sub Total	POP 75%	Div 1 25%
									1536	1536				
							1000	1000	-475	1061			796	265
									500	500			375	125
									500	500			375	125
											300	200	150	50
							1000	1000	271	271			203	68
									775	775			581	194
									500	500			375	125
									500	500			375	125
											300	200	150	50
							1000	1000	-116	-116			-87	-29
									775	775			581	194
									875	875			656	219
									500	500			375	125
											300	200	150	50
							1000	1000	-256	-256			-192	-64
									1056	1056			792	264
									875	875			656	219
									500	500			375	125
											300	200	150	50
							1000	1000	-149	-149			-112	-37
									1056	1056			792	264
									875	875			656	219
									500	500			375	125
											300	200	150	50

Come 2023 by the time of the launch of RN4 it is receiving over \$1 Billion a year in BABY POP injections from RN's 1, 2 & 3. This event occurs for 2 years where after combined with the POP from the 4<sup>th</sup> network enough is generated to make the process of creating a new sibling resort network an annual procedure.

Important Note: As the Baby POP process diverts from sibling to sibling as soon as each is funded, companies within the Anchor, first and second siblings, develop strong footholds in every sibling in the string. In many cases opening new stores or business interests throughout the string.

This of course will lead to greater and greater profits for initial investors. But more specific to the M⇌B<sup>st</sup> Principle as opposed to relying on network logistics and PQS activity to force this process. It is in the interest of many, indeed most within the string, to work this principle as best it can be worked.

		Initial	Annual	POP	POP	POP	POP	POP	POP	POP	POP	POP
RN	Year	Investment	Profit	over	A	B	C	D	E	F	G	H
9	POP 2028			-112								
9	2029	2000	200	792	375	300	225	150	150			
9	2030		400	656								
9	2031		500	375								
9	2032		500									
9	2033+		500									
10	POP 2029			60								
10	2030	2000	200	792	375	300	225	150	150	150		
10	2031		400	656								
10	2032		500	375								
10	2033		500									
10	2034+		500									
11	POP 2030			302								
11	2031	2000	200	792	375	300	225	150	150	150	150	
11	2032		400	656								
11	2033		500	375								
11	2034		500									
11	2035+		500									
12	POP 2031			595								
12	2032	2000	200	792	375	300	225	150	150	150	150	150
12	2033		400	656								
12	2034		500	375								
12	2035		500									
12	2036+		500									
13	POP 2032			928								
13	2033	2000	200	792	375	300	225	150	150	150	150	150
13	2034		400	656								
13	2035		500	375								
13	2036		500									
13	2037+		500									
14	POP 2033			1290								
14	2034	2000	200	792	375	300	225	150	150	150	150	150
14	2035		400	656								
14	2036		500	375								
14	2037		500									
14	2038+		500									

Moving into the second half of the creation of a Resort Network String, come 2029 the network is flying. Recording just under \$2 Billion a year from "POP Over" and "POP A to E." By this point, the POP process has for all intents and purposes created a mini tidal wave of profit which is all but unstoppable. Should any network have a hiccup, it will make little difference.

POP I	POP J	POP K	POP L	POP M	POP N	POP O	Reinvest	New RC	Cash Flow	Bank	GHB	Sub Total	POP 75%	Div 1 25%
-------	-------	-------	-------	-------	-------	-------	----------	--------	-----------	------	-----	-----------	---------	-----------

							1000	1000	80	80			60	20
									1056	1056			792	264
									875	875			656	219
									500	500			375	125
											300	200	150	50

							1000	1000	402	402			302	101
									1056	1056			792	264
									875	875			656	219
									500	500			375	125
											300	200	150	50

							1000	1000	794	794			595	198
									1056	1056			792	264
									875	875			656	219
									500	500			375	125
											300	200	150	50

							1000	1000	1238	1238			928	309
									1056	1056			792	264
									875	875			656	219
									500	500			375	125
											300	200	150	50

150							1000	1000	1720	1720			1290	430
									1056	1056			792	264
									875	875			656	219
									500	500			375	125
											300	200	150	50

150	150						1000	1000	2232	2232			1674	558
									1056	1056			792	264
									875	875			656	219
									500	500			375	125
											300	200	150	50

Come 2034 and the launch of Resort Network 14. The tidal wave of Baby POP capital injections has collectively reached over \$2.7 Billion a year from 11 different sources.

RN	Year	Initial Investment	Annual Profit	POP over	POP A	POP B	POP C	POP D	POP E	POP F	POP G	POP H
15	POP 2034			1674								
15	2035	2000	200	792	375	300	225	150	150	150	150	150
15	2036		400	656								
15	2037		500	375								
15	2038		500									
15	2039+		500									
16	POP 2035			1325								
16 a	2036	2000		792	375	300	225	150	150	150	150	150
16 b	2037				375	300	225	150	150	150	150	150
16 c	2038				375	300	225	150	150	150	150	150
16 c	2039				375	300	225	150	150	150	150	150
16 -	2040				375	300	225	150	150	150	150	150

Come 2036 the 16<sup>th</sup> & final Resort Network is launched receiving over \$3 Billion in its first year. However, as RN16 has no sibling, instead of investing in a new sibling resort it strengthens by investing in itself procuring raw materials, minerals, metals and other tangible assets alongside building industry and energy resources.

By its 5<sup>th</sup> year, the year it starts contributing to operations and projects before making a cent in profit, RN16 will have internally invested over 11 Billion dollars. This investment will undoubtedly result in the final sibling network internally generating over \$1 Billion a year and so it becomes stable. Indeed a stable network that still receives \$2.7 Billion a year from the BABY POP process.

And so with the initial network RN1 receiving e-commerce profits and RC16 receiving BABY POP funds on top of its general profits, the first and last networks in the league have significant strength and make a considerable profit. As such RN1 adopts the name "The Anchor" and RN16 "The Boat" as it is ready to sail on to new ventures.

Exactly what these ventures will be is a question to be considered down the road. Some reinvestment into some of the weaker Resort Networks, Satellite Networks, other Global Networks, Special Projects or up, up and away to new and distant lands.

Come 2040 these questions will be answered. Far more pressing however is what to do with the rest of the profit made from the first Resort Network as so far we have only illustrated BABY POP. In our immediate future, we have POP1, 2 & 3 to deal with.

POP I	POP J	POP K	POP L	POP M	POP N	POP O	Reinvest	New RC	Cash Flow	Bank	GHB	Sub Total	POP 75%	Div 1 25%
-------	-------	-------	-------	-------	-------	-------	----------	--------	-----------	------	-----	-----------	---------	-----------

150	150	150					1000	2000	1767	1767			1325	442
									1056	1056			792	264
									875	875			656	219
									500	500			375	125
											300	200	150	50

150	150	150	150				1000		3367					3367
-----	-----	-----	-----	--	--	--	------	--	------	--	--	--	--	------

150	150	150	150	150					2400					2400
-----	-----	-----	-----	-----	--	--	--	--	------	--	--	--	--	------

150	150	150	150	150	150				2550					2550
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150	150	150	150	150	150	150			2700					2700
-----	-----	-----	-----	-----	-----	-----	--	--	------	--	--	--	--	------

150	150	150	150	150	150	150			2700	0	300			2400
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# American Butterfly pt.2

## *'Spiritually Inspired Software'*

### Chapter Three

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## “Strings of Life”

1. Dear Diary
2. Commitments, Dividends, Profit Share and Angel POP
3. The Global Network
4. The Angel POP Principle
5. Mathematical Simplicity & Super Symmetry
6. Satellite String Networks
7. Tuning Theory
8. Independent Satellite Networks
9. New Sparta – Global Network Capital
10. Special Project: Gliese Galactica
11. The Spartan Theory
12. Quantum Force Theory
13. Quantum Force String Theory



# Dear Diary

10.30 am GMT, Wednesday, October 3<sup>rd</sup> 2012

This has been my first diary entry since the 9<sup>th</sup> May 2012, after which the current version of American Butterfly began. I believe I'm coming to the end of one part of this journey, specifically the solo nature of the journey. The rest of this chapter is plotted out, after which I need to tidy up the previous five chapters. Then American Butterfly is destined for Jerine Watson for opinion and grammatical tuning, which should all be competing shortly after the US General Election. An event I had wished to avoid in part as the event itself would see many in the USA distracted and in part for concern of American Butterfly's potential to influence, which was not its destiny.

I'm relieved in many ways, it's been 20 months without a break. And whilst technically there were 5 days that I did not commit to paper, it did not stop me from processing. Indeed, American Butterfly has been a continual 24/7 process, not even sleep offering a rest bite. This does not signal the end of the book. There are 4 distinct chapters still to be written, alongside whatever else the journey presents. Rather the hope that I have done enough to gain support from the community and no longer have to walk this part alone.

A quick summation of the concluding chapters.

## **Chapter 13: Quantum Time Part 2**

Looking deeper into the concepts of QE (Quantum Economic) and EEE (Ecological Experience Economy) scores which influence dividends, bonuses and profit share payments. Offering greater rewards for actions that will move us in the desired direction. Looking at the social and political aspects of the various S-World UCS Simulations, exploring the popular gameplay, and seeing how we shall plan desired paths for peace, equality and ecological balance.

Alongside this, we will be examining the "what exactly is going on here principle." Right now in the United States Dr James Gates, Jr. who sits on President Obama's Council of Advisors on Science and Technology and a group of associates are scratching their heads over what they see as an anomaly in String Theory. They have discovered within super-symmetrical equations "Doubly-even self-dual linear binary error-correcting block code" in layman's terms, the computer code that runs web browsers. First invented by Claude Shannon in the 1940s thirty-odd years before String Theory was discovered.

Not surprisingly Dr Gates has been rather elusive of late. Here is a quote from his last interview that I could find at the 10<sup>th</sup> Isaac Asimov Memorial Debate on The Theory of Everything which took place in March 2011. Host and moderator Neil Degrasse Tyson: **"You're saying that your attempt to understand the fundamental operations of nature, leads you to a set of equations that are indistinguishable from the equations that drive search engines and browsers on our computers?"**

Dr James Gates Jr: **“Yes, that is correct, so.”**

Neil Degrasse Tyson: **“Wait, Wait, I have to..... So you’re saying as you dig deeper you find, computer code, written in the fabric of the cosmos?”**

Dr James Gates Jr: **“Into the equations that we use to describe the cosmos yes.”**

Coincidentally if we remember, on the 1<sup>st</sup> May 2011, the celestial Isaac Asimov became my guide into physics and String Theory via his words: **“You may not predict what an individual may do, but you can put in motion, things that will move the masses in a direction that is desired, thus shaping if not predicting the future.”**

At the time Dr Gates and the team suggested that we are a simulation. We live in The Matrix of sorts, exactly what their thoughts are now I can’t say. But I do know they have been looking at String Theory and Simulations of our sentience within the Universe and Multiverse for a long time. I’m absolutely certain their work will be extremely valuable to S-World UCS Voyager simulations. For all that is QuESC and The PQS, there was one part missing, and that was the code. Now we know what the source code is it makes it possible to use the actual mathematics of String Theory within the PQS and all that the network will be.

We shall revisit this consideration in the closing pages of this chapter.

#### **Chapter 14: Special Projects**

Integrated and entangled within S-World UCS Voyager Simulations come Special Projects. We have seen briefly glimpsed African Rain, alongside which some causes are already identified. Journeying into Space, Creating ecosystems underground, protection mechanisms from asteroids, even a gigantic lid and trench around the Yellowstone Super Volcano is considered. Where there is a treat, there is a Special Project.

The general nature of Special Projects is that they are incredibly expensive operations. Whilst that may initially seem extravagant, in the long term they become essential. As the only non-ELE (Extinction Level Event) threat to quantum economics is a lack of tasks that need to be performed.

#### **Chapter 15: S-World Income**

A chapter that explores every inch of profitability that S-World could generate

#### **Chapter 16: The PQS**

Financial Forecasting & Investment Details alongside a closing summation.

Ok, so it's time to get back to this final solo chapter “Strings of Life” which is more a collection of summaries than a chapter.

One had best be prepared for the unexpected

# Commitments, Dividends, Profit Share and Angel POP

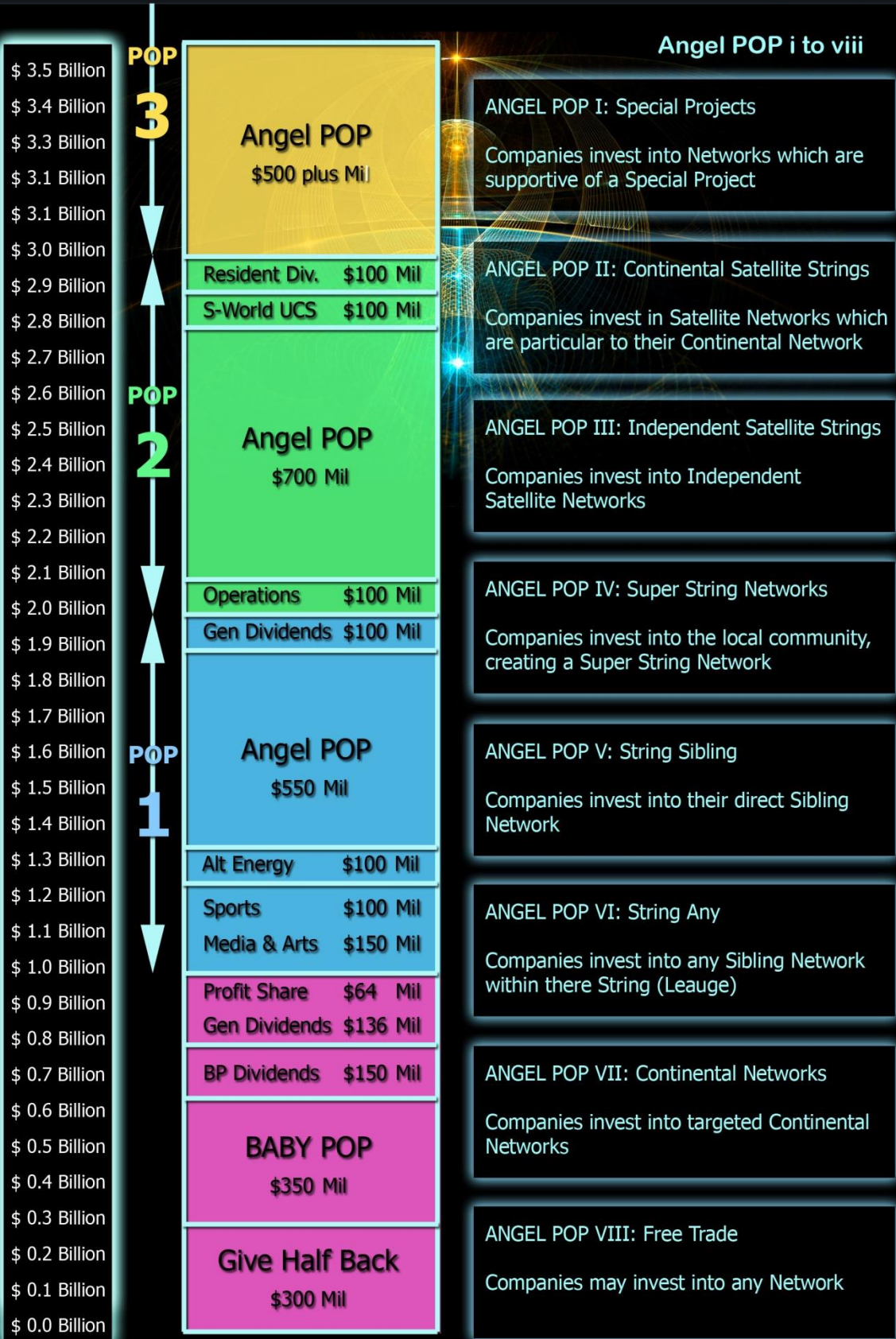
The BABY POP spreadsheet demonstrates how an Anchor Network generating \$800 Million in profit per year creates a string of 16 resort networks and solves the US Economic, Health & Fossil Fuel problems. However, PQS forecasts for Anchor Networks are far higher, as such there is significantly more to consider.

Technically to be as true to finite mathematics and the POP principle the first \$1Billion in profit should be used as in internal economic stimulus, paid out in resort network credits. To a certain extent from a network perspective, it matters little who it goes to, as like a boomerang it comes straight back. There are strong arguments that this is exactly how it should be. As the Profit vs. Revenue principle dictates the additional \$1Billion in revenue generated leads to an additional \$600 million in profit and so builds a stronger foundation.

However just like BABY POP used the POP principle to kick-start the POP process in its own string, the Angel POP process can also have great benefit on the global economy. And there are equally strong arguments that strengthening the global economy will be the faster way to grow the network. Fortunately, S-World UCS will run many scenarios long in advance of having to make such choices. Alongside which I strongly believe when the equations and considerations of String Theory are added, certain paths will be illuminated. For now, I've created one possible path as illustrated to our right. After Baby POP, \$200Million is used as a stimulus, dividends to owners and profit share for operation centre employees. This takes us to the magic \$1Billion Stable Network position. Note for simplicity we call this sector POP1, then when a network is generating over \$2 Billion POP2 and so on.

First, in POP 1 we see \$250 Million to Sports, Media and the Arts. Which in terms of economic stimulus, when all is said and done, becomes a profitable endeavour. This allocation is an important ingredient to S-World VSN, S-World UCS and EEE scoring. Alongside gaining a critical mass market share for Smart TV e-commerce, general e-commerce and in general achieving Network supremacy in all sectors. Following Sports, Media and the Arts we see the balance of funds needed for Alternate Energy commitments. After the first Angel POP investment, some more stimulus dividends are allocated and some extra operational money is considered. Lastly, after the second wave of Angel POP investment, a stimulus to users of S-World UCS is considered alongside an allocation to the owners of the properties in the networks. So further increasing the "Location, Location, Location" principle.

Angel POP: The most important factor of Angel POP is that globally once a resort network is stable (is generating over \$1Billion in profit per year), others cannot invest in it. We will come back to this. For now, please have a read of the 8 different methods of Angel POP investment, save Special Projects. They are in no particular order. Often the choice of several options will be available to business owners. More often still scenarios will have been run via UCS and deals will have been made, long before a choice is imposed. The various options such as Satellite Strings and Super Strings are explained during this chapter.



Angel POP i to viii

**ANGEL POP I: Special Projects**  
Companies invest into Networks which are supportive of a Special Project

**ANGEL POP II: Continental Satellite Strings**  
Companies invest in Satellite Networks which are particular to their Continental Network

**ANGEL POP III: Independent Satellite Strings**  
Companies invest into Independent Satellite Networks

**ANGEL POP IV: Super String Networks**  
Companies invest into the local community, creating a Super String Network

**ANGEL POP V: String Sibling**  
Companies invest into their direct Sibling Network

**ANGEL POP VI: String Any**  
Companies invest into any Sibling Network within there String (Leauge)

**ANGEL POP VII: Continental Networks**  
Companies invest into targeted Continental Networks

**ANGEL POP VIII: Free Trade**  
Companies may invest into any Network

# The Global Network

To our right we see the global picture of 32,768 individual networks split into 8 sub-sectors, two sub-sectors covering the USA. A quick recap on the US timescale, BABY POP sees 256 parent resort networks due for launch in 2014. Each creating a league or string of 16 by 2036 alongside a second phase of 256 parent networks two years later. Which in total creates 8,192 networks operational by 2038.

There are 4 main factors when considering the network globally: current GDP output, usable landmass, geography and population. As an ecological solution the network primarily considers landmass overpopulation.

In 2011 the world used 13,078 Mtoe (Million tones of oil equivalent): China 2,648, USA 2,225, India 759, Russia 725, Japan 469 and Germany 317. Current estimates predict BABY POP will create around 7,000 Mtoe within the Global Network, with Satellite Networks adding a further 3,000. The second wave of spending posited at \$1.25 Billion for each Network will create a further 10,000. In total the Network is primed to generate in the region of 20,000 Mtoe from green sources by 2050. This is before any additional voluntary investments, additional technological advances or Special Project directives.

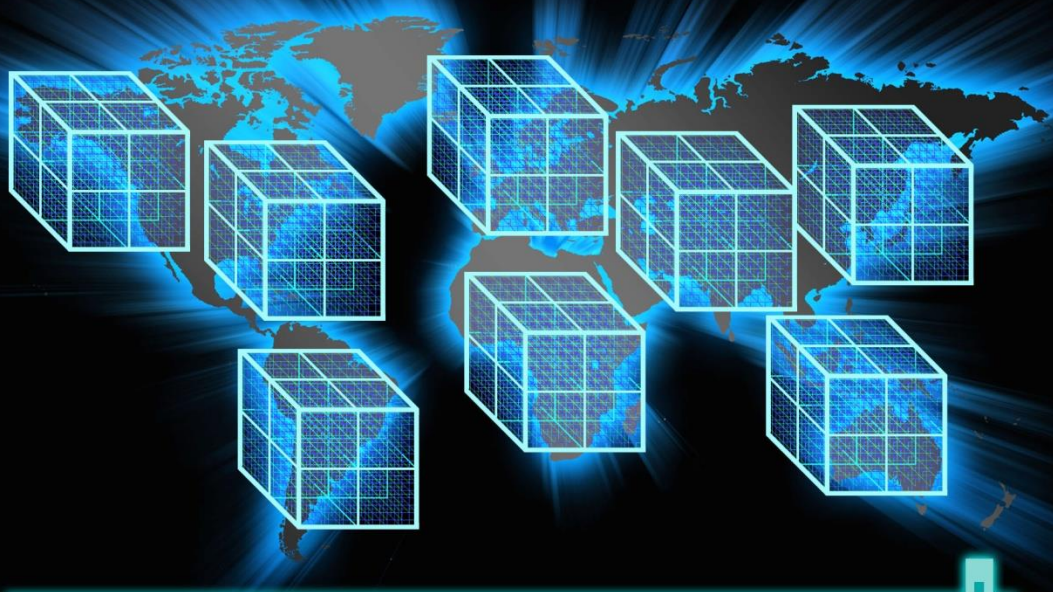
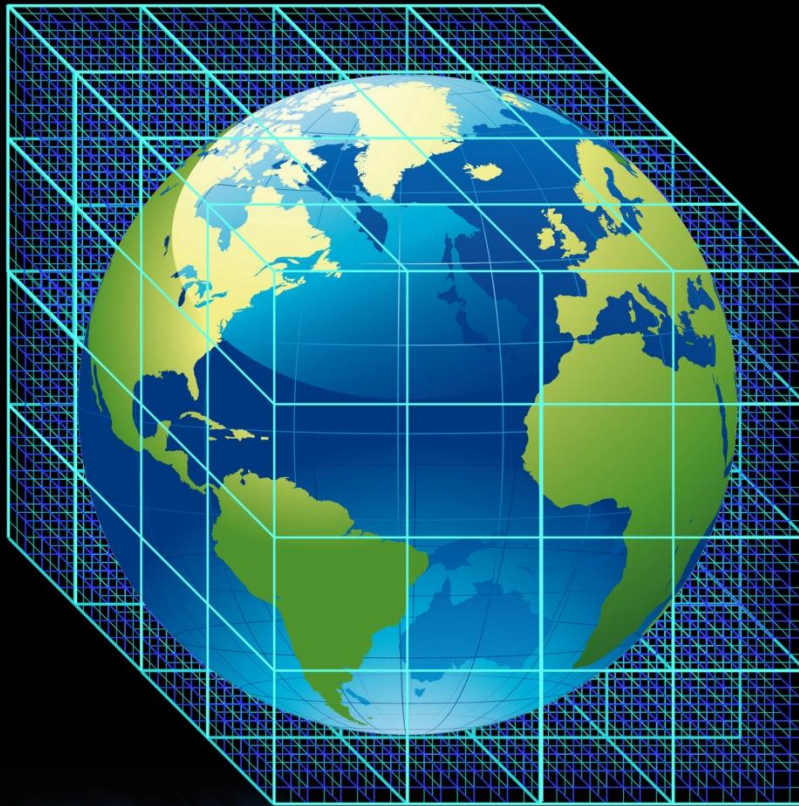
Removing fossil fuel usage alone will not rebalance global warming, it will slow it considerably. But to rebalance the planet needs more oxygen, and further photosynthesis and so more plants. This is tackled in three ways. Firstly, there is the rule that each resort network needs to produce more oxygen than it did before development. Secondly is the purchasing and protecting of woodland and rain forests across the globe. And thirdly comes the Special Projects designed to turn targeted deserts into rainforests alongside other initiatives.

World Health: Via BABY POP within all US networks 1.6 Billion bed nights are made available each year with a nursing and doctoring level higher than is generally found. Take away the luxury service and move to standard and this figure doubles to 3.2 Billion. Take into consideration salaries lowered both via Network trained staff and cost of living adjustments in poorer countries and the figure doubles again to 6.4 Billion. Consider 4 global cubes assigned to poorer countries compared to the 2 in the USA generating 12.8 Billion hospital bed nights servicing a population of around 4 Billion. Of which half would be entitled to the equivalent of Medicare or Medicaid. So offering 6 bed nights per vulnerable person per year, plus pharmaceuticals.

The Poverty Line gets addressed by the fundamental economics of the network, lots of well-paid jobs and plenty of tax receipts for governments. Education is catered for not only at the universities and schools in the networks but online via the S-World UCS training. At the end of the day for the **have-lessees** in the world it all comes down to the success of the network within their area, which brings us back to: **“Possibly the most important factor globally is that once a resort network is stable, others can not invest in it.”**

# One Planet ,One Network

Be the change, you want to see in the world

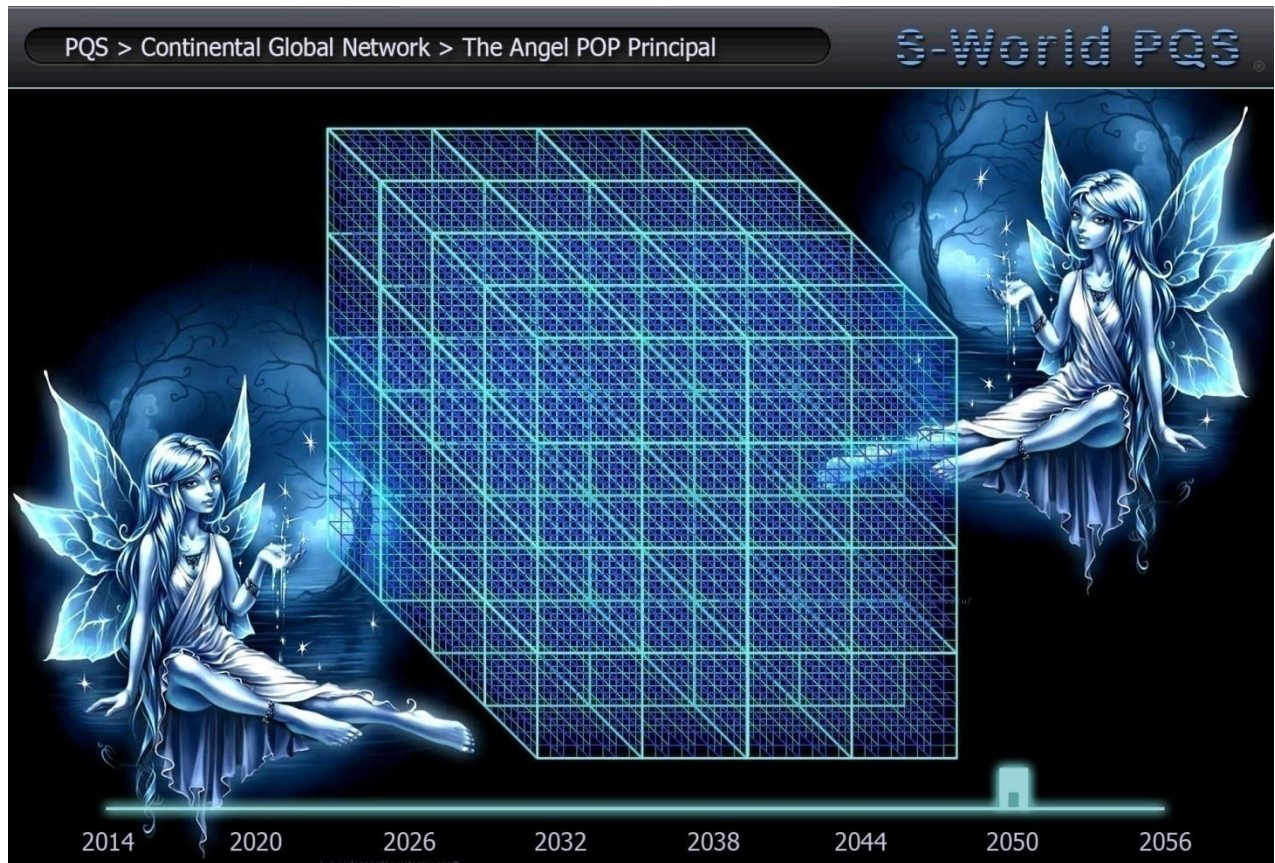


2014      2018      2022      2026      2030      2034      2038      2042

# The Angel POP Principle

We shall be looking at Satellite Networks and Supper String Networks shortly, the Angel POP principle affects both. Below we see the Continental Cube Network a 32,768-dimensional global network. Each dimension representing a resort network or a network that has integrated itself into an existing city.

At the bottom we see our time slider hovering over 2050, indicating that is the time the Continental Cube Network is expected to be complete, with all sectors in POP 1. In pure finite mathematics terms unless a sector is in POP1 it can not be counted or displayed as macro finite mathematics only counts stable blocks. And to be stable a network must generate over \$1 Billion in profit within a year.



Before detailing the road to the completion of the Continental Cube Network, we need to quickly look at what this is telling us in terms of global GDP. This cube is telling us that each sector is in POP 1 generating over \$1 Billion in profit each year, so looking at over \$32 Trillion in profit. However, in reality, many sectors will be high in POP1 and a good number in POP 2, POP 3, or higher. Therefore, a figure closer to \$60 Trillion is closer.

If we consider that in today's world of Macro and Microeconomics with our Fortune 500 companies making an average of 7.5 cents in profit for every dollar. Generating this amount of profit would require GDP over \$500 Trillion compared to today's \$70 Trillion. So indicating either an impossible target or runaway inflation.

However, as quantum economics works primarily on quantum scoring (achieving a high Profit vs. Revenue ratio) with 60% profit expected come 2018 and 80% come 2050 if profit circles once a year, our cube equates to a Global GDP of around \$70 Trillion. Plus, Satellite and Super String Networks adding maybe half as much again.

So far from runaway inflation, indeed quite the opposite, a hyper-efficient version of the current flow of money through our planet. One factor that will make an additional impact is "spin" or "rotation." this equation  $NT \times QS \times R/Y > +100\%$  stating that the Network Turnover x Quantum Score (Profit vs. Revenue Ratio) multiplied by the R/Y Capital Rotations in a Year needs to equal over 100% for growth. Assuming the network is the total, there is no more outside old economics money to suck up. We look at this in more detail in a few pages time within the Quantum Force Theory description.

Initial Investment is detailed in the concluding chapter of American Butterfly. For now, a loose breakdown is presented: 256 first phase resort developments in the USA requiring \$1 Billion each in 2014 = \$256 Billion. This figure is broken down into sectors: Essential partners (15%), Big Business USA (20%), Small Local Businesses (40%), USA Government (5%), and Big Business Global 20%.

Staying with our Fortune 500 and other USA Big Businesses, 20% of \$256 Billion is \$51 Billion; currently, USA big businesses are collectively sitting on over \$2 Trillion. This means that for every \$1 USA big business has in the bank on average they can only invest 5 cents, so severely restricting supply and increasing demand. Each investment sees a capital asset worth double its investment cost. Then over time this investment creates a significant stake in all 16 resort networks within its string, as well as creating assets and stakes in networks across the globe.

All told USA networks will be heavily oversubscribed, so creating demand for all international networks. For each US network cube there are three global network cubes and whilst it's fair to say due to local community revenue spending networks in Western and other affluent countries will see faster progress, the makeup of Angel POP dictates all networks will eventually become stable. All will generate over \$1Billion a year in profit.

The simplest way to consider this would be to consider the last 10% of global networks that are not generating \$1Billion a year. Come 2050 we are expecting the global network cube to be complete generating around \$60 Trillion, 90% of this equals \$54 Trillion. This brings us back to: "Possibly the most important factor globally is that once a resort network is stable, others can not invest in it."

This being so (save Satellite and Super String Networks, which in effect will only increase the yield) at a 50/50 Internal Stimulus vs. POP investment policy, \$27 Trillion will be invested into the remaining 3277 continental networks. Each of the remaining Sub POP1 networks will receive close to \$8 Billion a year to invest in their Networks. Alongside the purchase of resources, minerals, oil wells and other assets that will lift their individual profit over \$1 Billion a year, completing the global network within 12 to 18 months.



This is called Angel POP. We saw how the POP principle shows at its most basic level the concept of 2 networks joining forces to grow a third. Then BABY POP seeing 15 lightly investing networks creating an Open String Network and the powerful 16<sup>th</sup> "Boat." Now in Angel POP, we see how thirty-odd thousand networks combine to finish the last 10% in record time.

Rewinding the mathematics a little will see the last 30% of the Congenital Cube Network within a handful of years. In truth from a pure mathematics point of view 2050 is a soft target. Scenarios may see 10 years knocked off, particularly if the R is increased in the Quantum Force Principal ( $NT \times QS \times R/Y > +100\%$ )  $\$54T \times 80\% \times 3 = \$129$  Trillion.

In which case at a 75% Internal Stimulus and Opp's budget and 25% Angel POP stimulus, \$32.35 Trillion will be invested, finishing the network even faster.

Let's have a quick look at the math here as it's a good example. So the basic equation is ( $NT \times QS \times R/Y > +100\%$ ) Network Turnover x the Networks Quantum Score x Rotations of Capital in a year must equal over 100%.

In this particular 2050 Quantum Probability, it is expected that the old economy has all but vanished, and cash is no longer used. This being so the Continental Cube Network Turnover would be solely the profit made by the Network, which we estimated at \$54 Trillion. From here we apply the Quantum Score which with no cash and most of the world immersed in the network would be at 98% maybe 99% minus tax, taxed at 18% or 19% making an 80% Quantum Score.

If we just stopped there, despite the 80% Quantum Score, (remember currently the Fortune 500 are at 7.5%) despite the 80% score one still makes a loss with  $\$54T \times 80\% = \$43.2T$ . This is why we need the spin, as if the \$43.2T was spent in the same year it would generate a further \$34.56T, another rotation adds \$27.65T. In total generating  $\$54T + \$35T + \$27T = \$105T$ , the spin having an enormous effect.

One can speed up spin by putting a time limit on the spending of network credits. And again we see just how important the economic stimulus. Not only does it inject money into each network it has the ability to speed up the final rotation. However, too much of a good thing is not always the best in long term results. So due diligence will be paid to the law of diminishing returns. It may be best to leave the farms fallow from time to time.

With the global investment community and indeed the global population assured that it matters little where a network is, as it will eventually become lucrative, global investment into less affluent countries becomes a worthwhile endeavour from the word go. With all Anchors equating to proverbial cash cows. There will be no mystery to this as by the time it comes to investment in third world countries S-World UCS will have plotted progress, successes and failures well in advance.

# Mathematical Simplicity & Super Symmetry

To understand the equations of String Theory and Super Symmetry one first needs to be an accomplished mathematician. Following this, one is required to take an undergraduate degree in Classical Physics. On top of that one needs competency in General Relativity & Quantum Field Theory.

So it will be a while before I can look at and incorporate String Theory equations within American Butterfly. Indeed, with much to do on many fronts, I may never get there. Fortunately, there are many who have the competency and we have many Universities and Research facilities planned.

Right now besides gut instincts, observations and high order coincidences I can not make a mathematical connection. Yes, we are building the entire network from the ground up with open string networks and we will soon see the creations of closed strings networks all over the place. Alongside this, if we really had to take one part of American Butterfly and give it a crown it would have to be S-World VSN and S-World UCS, the virtual simulations which marry perfectly with Dr James Gates Super Symmetrical Computer Code. I guess we need to include the design for QuESC as it was specifically influenced by Super Symmetry. And of course, there is the founding principle of Asimov's "Psychohistory" re "moving the masses in a direction that is desired, and shaping the future." Which was brought into American Butterfly via a conversation on String Theory.

All told the global network is decidedly stringy. And as such it's highly likely that the equations of String Theory will greatly add to the design. For now, however, rather than to look into the equations of String Theory with the network, maybe we can look at applying the Compatible Finite Mathematics of American Butterfly to String Theory.

In his 2006 Stanford Lectures on Quantum Entanglements Leonard Susskind, one of the founders of String Theory says, "we are always willing to tolerate certain approximations." This is not allowed in Compatible Finite Mathematics. And so, from a real layman's opinion, if one were to chuck out all String Theory equations that worked on approximations, we would have a kind of Super, Super Symmetry.

Maybe, maybe not. I think what I'm really looking for is String Theory or Quantum Mechanics, or even General Relativity that will compliment the cubed nature of the network structure.

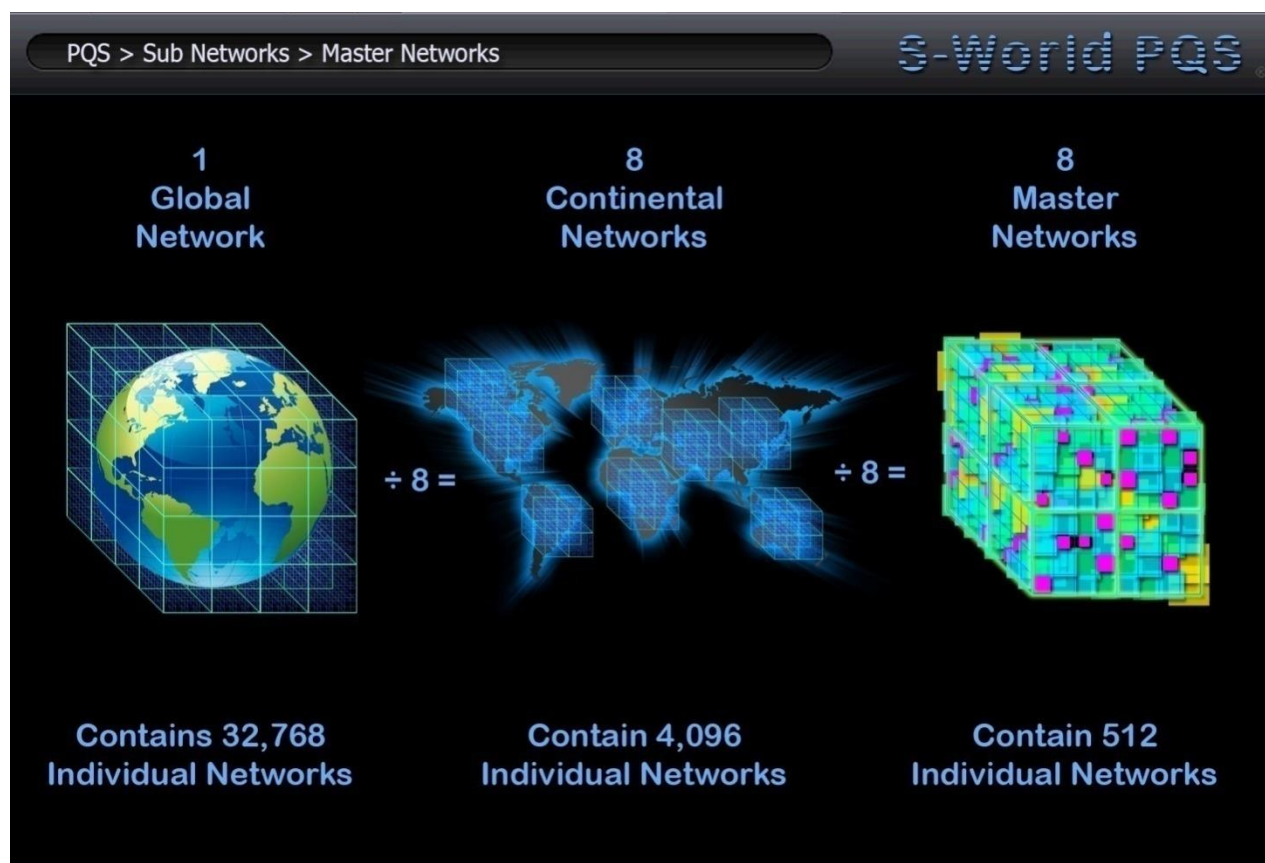
The makeup of the global cube is designed to be as simple as possible. So making it possible not just for large government budgetary groups to get a handle on the world economy but for everyone to be able to easily understand global economics. Indeed, the goal is to make it so. So an average 12-year-old child could successfully run the global economy. This is as it should be, as the principle of finite mathematics is at its heart simplicity, the simplest way to count creates the least resistance. Super, Super, Super, Super Symmetry. And remember we are not making a copy of our universal laws, rather the best of Multiverse possibilities. A perfect Universe, or at least the simplest Universe.

If come 2050 we achieve Angel POP. Only to find that the following year 1000 individual networks slipped backwards and generated less than \$1 Billion. Within the global cube said 1000 networks would no longer be visible, difficult to see within the whole cube. But reverse the scenario and only show the unstable cubes and our 12-year-old child should have the wherewithal to say, divert POP investment to the unstable cubes, so rectifying the problem. Or simply feed the pink cubes!

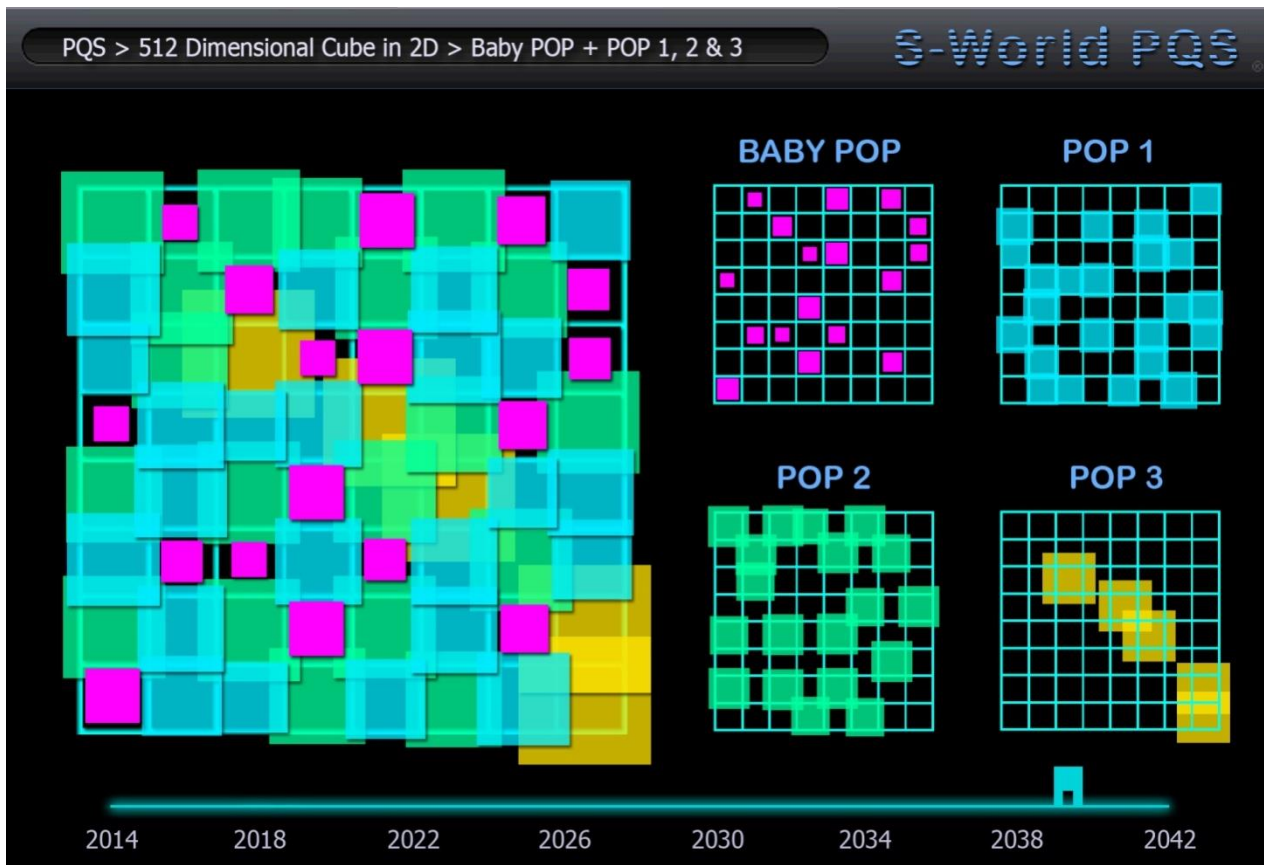
For more in-depth analysis the 32,768 Network Global Cube is subdivided twice, first into 8 Continental Network Cubes. After which each Continental Cube Network is subdivided into 8 Master Networks as seen below.

Within the Master Network cube, 512 individual networks are displayed. Each network's size and colour specific to its annual profit and POP status (POP1, POP2, POP3).

The Master Network displays 64 (8 x 8) networks from the front and on all sides and is 8 layers deep. Hence containing (8 x 8 x 8 =) 512 individual networks.



Below we see a 2-dimensional representation of a Master Cube Network cube displaying 64 individual networks. And immediately we can see trouble spots, areas of exceptional growth and all that lies in between. To get a clearer view of the specific network or POP types one would click to only display what one wished to assess.



At first concerning the full image on the left and then the concept of displaying this in 3D, one may not immediately use the word simplicity. Our 12-year-old may be out of his/her depth. However, display it as it is designed to be, within a hologram or simulated hologram where one can reach inside. Wave away unwanted cubes and pick out individual cubes to reference. And the fun level alone puts our 12-year-old back in businesses. Particularly if he has played with the 8 cube network building block toy from the age of two.

Following the 3 click rule for web design where any page should be accessible via 3 clicks, the master network system sees the global economy broken down into 2 clicks and one grab. Finite Mathematics making what was once extremely complex economic accounting simple, fun and available to everyone.

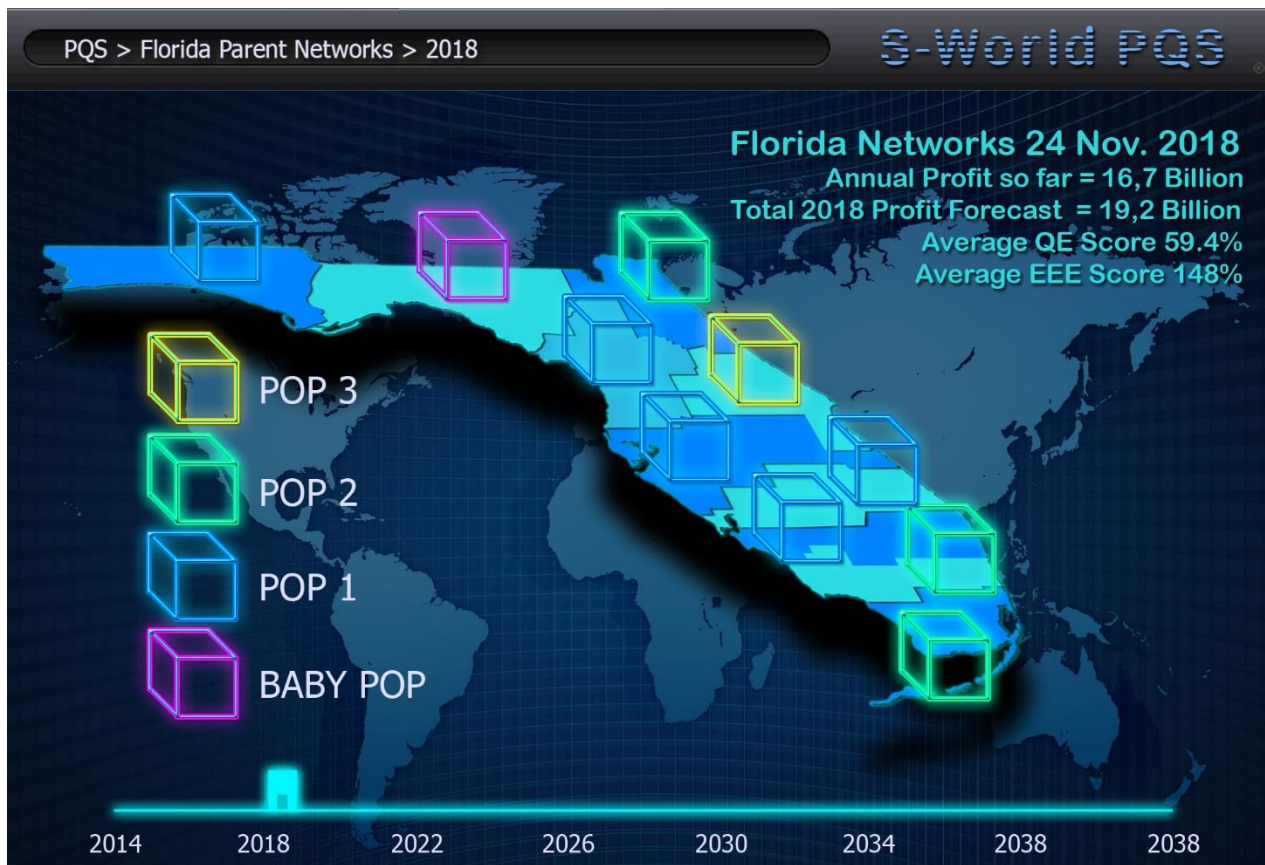
The system goes further, once at an individual network 8 individual business sectors known as "Blocks" are presented. Inside each Block, like "Master Networks," a 512 sector grab cube presents itself. One can look at it as a whole, or choose an individual business sector to see staff, inventory, financial or other information.

Therefore we go from the Global economy to each individual staff member's performance or business inventory in 3 clicks and 2 grabs.

Grab technology for the masses is in principle very simple. The Nintendo Wii via motion sensors already allows one to play tennis and golf in their living rooms. The same technology can be used to navigate one's hand through the cube. Further, it will become central to the S-World VSN Smart TV operating environment. People choosing programs with their fingers, choosing locations. Even navigation through facebook proper could be achieved. All one needs are a couple of motion sensors built into the front of the TV set.

Of course, organizing everything by subdivided cubed networks is not always the most practical way to display data. Below we see a snapshot of how Anchor Networks in Florida may be performing come 2018.

To look at how the PQS would expect the individual networks to grow one would simply slide the slider to the year one wished to look at.



Simplicity from complexity. As indeed whilst the two words sound like opposites that is far from the case, from the complexity of each individual snowflake to the complexity of the global economy and the effect it has on all on all whom inhabit this earth. Only the simplest of systems can effectively manage the vast complexity of our planet. And the simplest of systems needs to be constructed around the principles of finite mathematic

# Satellite String Networks

Satellite String Networks or more to the point the strength behind Satellite Networks sees for the first time a direct influence from String Theory. Yes, we call the original networks in the USA Open String Networks, but this was an afterthought, originally they were simply Network Leagues.

For those who played with hacking Google and friends at the begging of the century, from a certain perspective the principle we will be applying from String Theory is similar to Michel Campbell's "Revenge of the Mininet." Before getting into the technical detail an overview of what a Satellite String Network is, the logistics of why they are needed is required.

Satellite Networks serve practice and logistical purposes alongside adding strength to the network. We shall first look at logistics and practicalities concerning the two continental cubes assigned to the USA. Two cubes in terms of GDP is close to accurate, the USA currently generating 21% of GDP whilst having 25% of network volume. The 4% easily made up due to the USA having many of the essential partner businesses, particularly in technology and pharmaceuticals.

However, in terms of landmass, the USA accounts for only 2% of the globe. As such to qualify for 2 continental networks we really need to include Canada, Mexico, Central America, and the Caribbean Islands. Politically it may well be possible for the USA to agree with Canada regarding the set up of the network. However, attempting to make agreements with Mexico and Central America will take too long.

The process can not get bogged down and slowed by politics. The general principle being once the USA has accepted the network, the rest of the world will follow very quickly. Political expediency brushed away by the logical desire not to fall behind.

So out of the need for simplicity, the USA will be offered sole custody of the two North American continental network cubes. This is the way the network has been set up and reflects the 6,000 square miles per network string catchment area as described throughout American Butterfly.

To connect the USA to Canada, Mexico, Central America, and the Caribbean Islands we use Satellite Networks. There are two types of Satellite Networks: Continental Connecting Satellite Networks which are bound to a Continental Network and eight Independent Satellite Networks.

First, we will look at Continental Connecting Satellite Networks. (CCSN)

To our right, we see the makeup of a CCSN. Where eight network strings in Florida each inject Angel POP II investment directed to eight separate new resort networks in Mexico and Central America. Over time this investment will be considerable as all 16 resort networks within their string invest collectively into their designated CCSN.

Middle left we see eight new networks created in this fashion, so creating a "Closed Loop" Satellite String. The green arrows represent the new networks internal POP Process, as Honduras invests in Belize and so on. The difference between this POP model and the standard BABY POP model is that it is continuous, there is no end or beginning. When the circle is complete Nicaragua invests in Honduras, and so it continues.

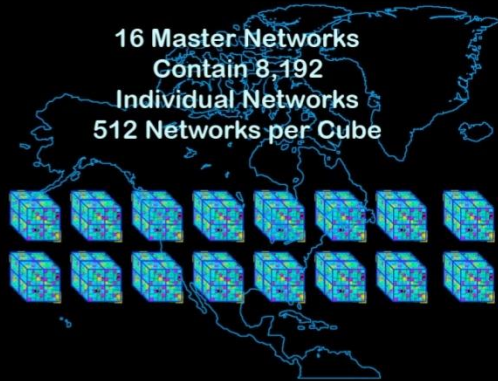
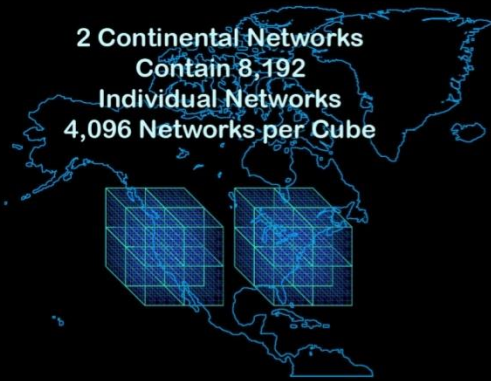
This circular internal investment creates oscillation and strength. The stronger the Florida Networks become, the greater the investment into all the Central American Networks and so the strength increases and so does the oscillation. Should one network stall (make a loss), it is immediately jump-started by both its Satellite Network String alongside the various cash injections made from continental USA. The string becomes an engine with many cylinders and pistons pumping and injecting cash within the circular motion.

Below we zoom into the Honduras Network (Note: for ease of representation the Palm Beach > Honduras Satellite Network is shown taking up the whole country. In reality with 512 separate USA Strings from the USA investing in Satellite Networks there would be closer to eight individual Networks in Honduras, spread proportionally). Besides, the illustrated Honduras Network seeing its POP investment go to Belize, it also invests in its own "Super String" Network, consisting of 8 smaller networks with a POP of \$125 Million. The white arrows indicative of the Honduras Networks ability to choose the investment path.

This is where the model takes on the characteristics of String Theory proper. As the Super String Network like the elementary particles vibrates around their parent network, the superstring receives profit from its provider. But its provider is not a part of the string.

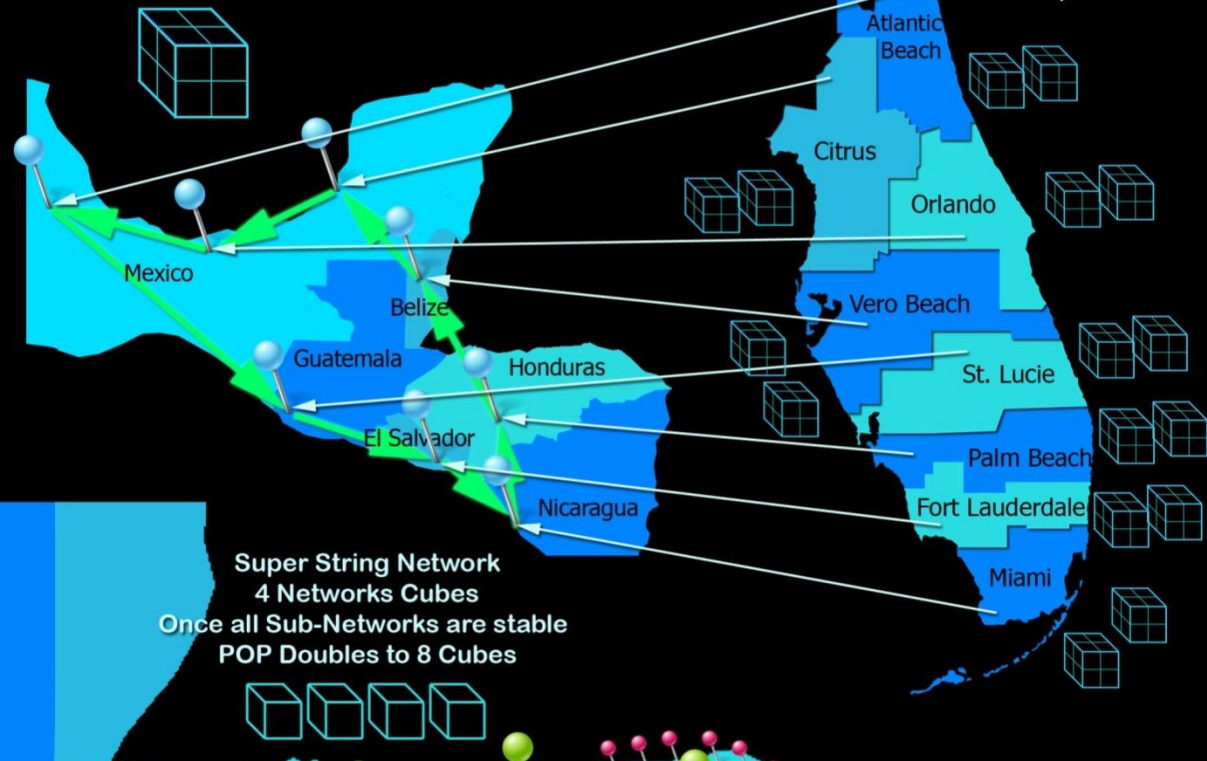
Once the Super String is formed the profit travels one level deeper using the same technique. This time each Super String network alongside investing in an internal adjacent string partner also investing into its own substring or as it is labelled a "Quantum String Network." Micro networks with a POP of just \$15.625 Million, and here we are really looking at bolstering or creating small villages. Again the Quantum String is not connected to its parent provider, this time the only investment possible is into its own string (league). The POP process dictating that any Quantum Network that makes over \$15.625 Million in profit needs to be invested into another Quantum Network in its string, until the entire string reaches its \$250 Million POP limit.

At this point, the POP limit for the entire string is doubled to \$500 Million. This doubling occurs one more time until it reaches \$1 Billion and it becomes a stable network proper. And so following the finite mathematics of The Mandelbrot Set Fractal. Starting as a continental network string the string turns into a micro version of itself within the first Satellite Network. Then creates the Super Sting, then generates the Quantum String only to reinvent itself as a Stable POP1 network with a near-identical structure as its original creator.



**Continental Satellite  
String Network  
8 Networks per Cube**

**Florida Networks  
1/4 of a Master Network  
128 Individual Networks  
8 Networks per Cube**



**Super String Network  
4 Networks Cubes  
Once all Sub-Networks are stable  
POP Doubles to 8 Cubes**

**8 Super String  
Networks  
POP Limit \$1 Billion  
\$125 Million Each**

**Satellite Network  
POP Limit  
\$1 Billion**

**16 Quantum String  
Networks  
POP Limit \$250 Million  
\$15.625 Million Each  
8 Sets generates \$2 Billion**





Regarding classic String Theory and Super Symmetry, the work presented is not saying this is exactly how it works at a subatomic level, which would be introducing facts, not in evidence. However, within the confines of compatible and maybe even pure finite mathematics, and using the concept of String Theory as the fundamental building blocks of the network; it creates an excellent growth and sustainability model.

The Super String and Quantum String growth formats, which acts as an outreach platform for any Network into its local community building mini developments and retrieval outlets and attractions, will of course be a useful addition to any Continental Network. And will be applied where it is deemed appropriate.

This will of course increase the continental cubes overall POP limit above \$8,192 Trillion, and so increase GDP. The time of these events like many other factors to be worked out by running S-World UCS quantum time simulations (described shortly).

In many ways, we see Angel POP II as a philanthropic investment. As it would often come from a wealthier country to a less wealthy. Usually, it may be considered not necessarily a bad investment, rather a potentially risky investment both politically and culturally. The framework of the network takes away many political boundaries and the Super & Quantum String method makes for an excellent investment return. The bottom line from a philanthropic perspective is jobs, green power, and medical facilities will spread quickly to those who currently have little hope for any kind of westernized life within their lifetime.

## Tuning Theory

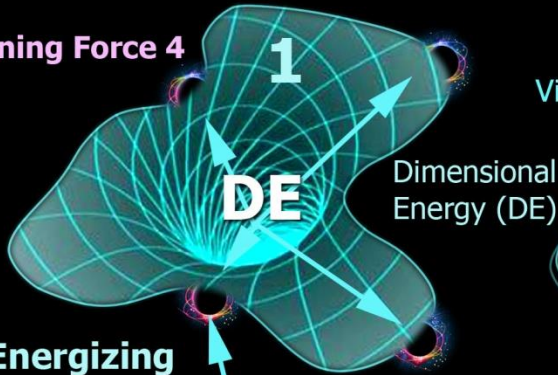
No one knows how the Strings in String Theory get their energy. If we remember, back to our Ocean Wave example I pondered the dislodging of atoms in the big rock. Which is in essence the manifestation of one particle to another. Tuning Theory as illustrated to our right considers the energizing and further energizing of strings until they change from one state to another.

Reverse engineered from the Network Design concepts "Network Strings," "Super Strings," and Quantum Strings."

1. Initially a Baby String is formed via dimensional energy. Possibly from another universe or maybe from a black hole. Maybe in the form of a Graviton or any other "energizing factors" mentioned. This baby string has 4 energizers, much like four US Networks in the Palm Beach String that provide Angel POP to Honduras. As such the tuning force is 4.
2. As the strings energy builds it grows and strengthens its energy stored as vibrations, shakes and spins and now with 4-dimensional energizers. Plus, a stored spin of 3 and a shake of 4 its Tuning Force is 48.
3. The process continues until the string has enough of a Tuning Force to create a Quark. Once again putting the Cute into String Theory.

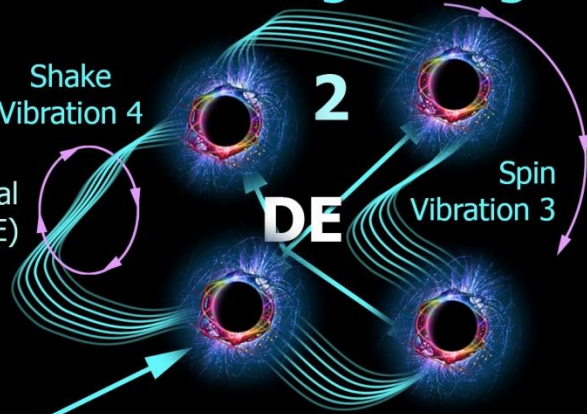
# Baby String

Tuning Force 4



# Growing String

Shake  
Vibration 4



Tuning Force 48

$$DE + Shake \times Spin = Tuning Force$$

## Energizing Factors

- Graviton ?
- Gravity ?
- Repulsive Gravity?
- Matter ?
- Dark Matter ?
- Dark Energy?
- Dimension Portal ?
- Black Hole?
- Entanglement Butterfly?
- Something New ?

# Quark

3

Shake  
Vibration 8



Tuning Force 256

# Independent Satellite Networks

Independent Satellite Networks have more freedom in Angel POP investment direction than other Networks. They can connect and make strings with any Continental Network. They can start their own leagues and create Super and Quantum Strings. Often we may find Continental Networks using independent satellite networks to connect to other continental networks or back to their own continental network or even back to their own league.



The United Kingdom, Japan, and Dubai are obvious choices for Independent Satellite Networks as they are already considered international trading posts.

New Sparta, in Laconia, Southern Greece is put forward as the fourth Independent Satellite Network whilst staying connected to Greece's position within the European Continental Network. This is unique, effectively making New Sparta the capital city of the Global Network.

For now, consideration needs to be put into where the remaining 4 independent Satellite Networks will be situated. Alongside consideration of where the 8 Network Cities (capitals) for the 8 Continental Networks will be situated.

For this, we go back to basics and consider "The Spartan Theory," first some details on New Sparta City of Science.

# New Sparta – Global Network Capital

PQS > Global Network Capital > Greece > Laconia > New Sparta

S-World PQS

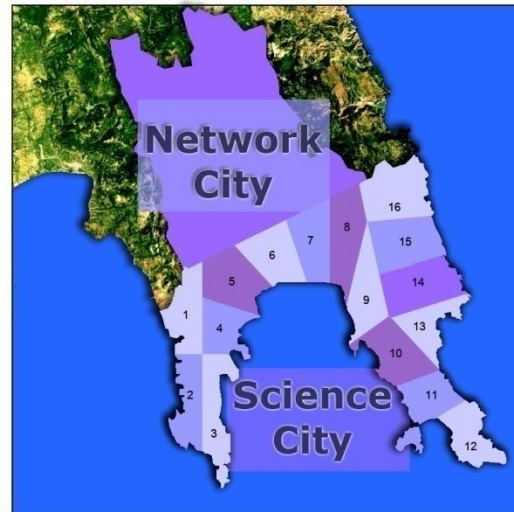
## Greece

Population 11,305,118  
Size 131,990 km<sup>2</sup> - 50,944 Square Miles



## Laconia

Population 100,871  
Size 3,636 km<sup>2</sup> - 1,403.9 Square Miles



In the previous chapter "To Infinity and Back Again" we took a brief look at the second chapter of The Spartan Theory. "Sparta Rises Again," where we saw some initial concepts that create American Butterfly taking shape. Including New Sparta City of Science and Network City in Laconia Greece. The home of ancient Sparta which still exists today with a population of around 12,000 people, found where you see the "e" in Network.

The solid hues of blue and purple may cast an incorrect picture. If New Sparta became like all Resort Networks, New Sparta will need to be an improvement of current oxygen omissions. Indeed, this was part of the reason for the previously mentioned solar-powered desalinization project aimed at turning chunks of the arid land into botanical gardens and rain forests.

## Network City

Starting first with the Network City which is a signature of an Independent Satellite Network, or a Continental Network capital, excluding mountainous areas and current settlements; there are about 300 square miles of usable land. This will be divided into 256 semi-even plots. All of which will see 125 Meters of woodlands around their periphery. So journeying from one Network to enough will always see a 250M woodland journey. Properly planned in S-World VSN entangling the rivers and mountains, no one person within the City will be more than

500 meters away from extensive nature experiences. Improving the "Location, Location, Location" factor and creating an excellent environment for living, particularly for our children.

Each of the plots will be assigned to a country or group. There are 196 officially recognized countries and several groups that wish a home of sorts or at least recognition. To name two less fractious groups we can consider the Basques and the Kurds. Added to the mix will be certain economic powerhouse intercountry States or Cities such as California and Hong Kong.

Inside each sector, a quarter of the land will be used to create an embassy. A quarter as parkland and the balance used to create a micro resort network, preferably reflecting the cultural identity of the inhabitants.

Network Cities serve two purposes. Economically they become a haven for trade and intercountry business cooperation alongside improved political diplomacy in general.

## New Sparta City of Science

The map to our right is over a year old, a classic still fit for purpose. It illustrates a Science City, a collection of 16 separate networks, specializing in different industries and sciences. But working as one cross-pollinating idea and innovations. The consideration for this approach was aided by an article I read at the time by Lee Chazen entitled "Chaos Theory, Self Organization and the Role of Government."

**"Imaginary lines have existed over the centuries, making sure to keep scientists, artists, writers, mathematicians, physicists, educators, etc. in separate departments. Like spokes emanating from a hub, they go in their separate directions. As they go down the spoke, their ideas, rather than coming together, spread further apart. So what if we were to bring people back to the "hub" at least momentarily in order to solve some serious problems. To do this, we ought to at least have a better understanding of chaos and complexity theories."**

A significant influence not just on New Sparta but the entirety of all my work. Culminating in many Special Projects designed above all other considerations to protect our complexity.

## New Sparta Euro Zone "Quick Fix"

New Sparta becomes the immediate Eurozone and indeed Global economic fix. As soon as Facebook and their technology friends alongside the USA government approve the network, it is all systems go. The corporate world wishing to keep up with the technology companies. The rest of the political world wishing to keep up with the USA. A phenomenon called "The Pressure of Participation."



As the Global Network Capital Greece will see much interest. However, it is the "Sparta Rises Again" global economic recovery plan, the second book of the Spartan Theory and the discovery of the Butterfly Effect that will create a kind of mystic aura around New Sparta identified as...

## Special Project: Gliese Galactica

You may notice that if you look carefully at the industries that they all lead to the creation of an advanced space programme. Most innovative at the time was Robotic Mining as Galactica would need possibly a mile of

compartmentalized hull shielding to protect against asteroid hits. Presuming 100 or so nuclear engines plus a form of magnetic propulsion on the hull could get us to 0.3 or above the speed of light, and of course the little matter of "sorting out the gravity." So for my part, I thought we needed to cut space rock from the moon to line the hull of our complexity. Ark bound for our closest habitable planet Gliese (20 Light Years).

Ironically, Robotic Mining is still possibly the most useful but for totally different reasons. The Middle Earth Special Project links directly to Gliese Galactica as the way to live on the planet even if there is no suitable atmosphere.

Special Projects are written into the fabric of our future Voyager projections, it will happen. And it will be marvelled upon and so will the founding city where of course many a ship will be launched.

## So New Sparta will be of interest to all.

And we already know of the plan for a referendum on compulsory usage of the software within 4 years leads to enough tax revenue to balance their books. Where after increased revenue comes from applying the  $NT \times QS \times R/Y > +100\%$  &  $M \leftrightarrow B^{st}$  Quantum Economic Principles.

Investment will be rife. And alongside New Sparta will be created an American Butterfly Networks String across Greece. All are founded at the same time, all due to creating New Strings, all Anchors. But instead of local investment, they make strings in all direction. Europe, Middle East, East, Near East, Africa, and some entangled strings in the US and Australia.

The Strings of Life and Our Complexity

Getting into New Sparta and any of the 16 Anchors will be desired more than many USA networks. As the supply and demand see 32 Networks vs. 256 creating interest that will flow into Greece proper and so we are primed to let that Butterfly Free. As Greece does not default, the banks do not trouble the countries which do not affect all their citizens. A negative butterfly effect has turned into a positive, a far more organized affair.

Soon the flow of money from Greece spreads out across the world, for the best part to those that are of most need. Spain, Italy, Portugal, and Ireland if stabilized would be enough for complete Euro Confidence. Then we have Arica and the East, lots to do.

Most fitting to Histories

To qualify to be the Global Network Capital, Greece will need to put their government's financial dealings under the guidance of the Network software in the form of SIENNA.Gov. This will not be a problem as the Greek citizens are highly upset with the corruption and lack of transparency within their past government that lead to their current crisis. The idea of Greek citizens seeing their government's tax yields and spending via grab technology would most likely score a 99% majority in a government referendum.

Greece is the home and the founder of economics and indeed few would argue the Western world as we see it today. As such Greece has a historical claim to be the home for quantum economics. Greece's position directly at the edge of Europe, Africa, Asia & the Middle East is logistically perfect.

Lastly with but 11 Million people in a country, Greece is in a unique position to quickly satisfy its own people's needs and be in a position to assist its neighbours, be it North, East, South or West.



# The Spartan Theory

One would be forgiven for thinking "The Spartan Theory" acquired its name in part from New Sparta. However, this would be incorrect, indeed the opposite is so. The Spartan Theory came first and its name inspired examination of Laconia for a Network base.

When describing The Spartan Theory one could foreseeably spend eternity doing so. So we shall just explore three key points.

1. What is The Spartan Theory?
2. How did it get its name?
3. How does our science and technology assist the process?

## 1. What is The Spartan Theory?

The Spartan Theory is all that I have written since the 4<sup>th</sup> of April 2011 starting with "The Sienna Project." General notes are found on [www.s-world.biz/TST](http://www.s-world.biz/TST). At the moment The Spartan Theory is in three parts.

**S-World:** Started on the 4<sup>th</sup> April 2011 with The Sienna Project. Bolstered on May 1<sup>st</sup> with the introduction to Asimov's "Shape the future Psychohistory" incorporating various components including S-World VSN, S-World.Biz, Facebook Gifts, and Facebook Travel. A basic mechanism to adapt to all industries and a light consideration of the Butterfly Effect  $M \Leftrightarrow B^{st}$  circular events principle.

**Sparta Risks Again:** Started 24<sup>th</sup> August 2011 with the creation of New Sparta and the Greek and Eurozone Network Enabled Economic Initiative "EEE The Economy for the next 14 Billion years." Focusing on the intricacies of Property Development and Urban Planning. Introducing the calming of Chaos Theory, the organized creation of positive The Butterfly Effect, the discovery of the POP investment principle and a light introduction to Quantum Mechanics.

**American Butterfly:** Started on the 1<sup>st</sup> January 2012 where 5 months of logistical planning finally lead to the Baby POP principle and the beginning of the current draught of American Butterfly.

## 2. How did The Spartan Theory get its name?

The Spartan Theory was written on the 8<sup>th</sup> April 2011 as the 11<sup>th</sup> point to the "work in progress" economic network summary inspired by The Sienna Project entitled: "The New 21<sup>st</sup> Century Ecological Experience

Economy." The Spartan Theory suggested that the inclusion of the network in unstable countries could be all that is needed to stabilize a nation.

Initially considered for Zimbabwe but at the time of writing specifically to Libya, both could still benefit. However, the solution could offer hope and stability to many other nations and indeed groups.

The network promotes a two-voice system. Be that two political parties or a political party and a board and chairman independent from the government.

In the USA for instance, it would seem appropriate for whichever party that loses the next election to elect the chairman for the network within the USA. In the USA with 16 Master Networks, there would be a board of 16 made up of the CEOs of the Master Networks. The chairman has only one exclusive power, being the ability to cast a vote in the case of a split decision. However the chairman is the chairman and as in both business and politics, it's in everyone's interest to stay on the right side of the boss, so a powerful voice within the network.

Each time there is a political election the runner-up elects a new chairman for the network. This chairman would need to stand down from any official political position during his or her tenure. As US Network chairperson their allegiance to their political party is in ideology and history only.

This action, the opposition electing the chairman of the network, at first may seem unnecessary. And to a degree in the USA maybe it is. But only by leading by example can one expect others to follow, this is the point of the exercise. And whilst it may make little difference in the USA I can't see it doing any harm, so long as the government "in power" does not look to deliberately impede network progress due to the chairman.

If we look at China, this two-voice system would work very well. By far China's biggest economic trouble lies with the newly rich Chinese wishing to leave China. This is due to concerns that the government may make new policy and reclaim their wealth. The irony is the only economic reason the Chinese government would take such a step was if all of China's newly wealthy were moving to the USA taking their wealth with them. It's happening and a lot of people are talking about it, so the exodus gets worse and the economic justification gains strength.

Bringing the network to China under the corporate leadership of the new Chinese elite brings stability and eases the above-mentioned problem. Creating hundreds of "Location, Location, Location" optimized new resort network in China. Also creates many great new places for the newly wealthy to live in a more ecologically fun business environment. After which the general idea of the Chinese elite moving to their new resort networks increases the revenue for the resort networks, so everybody wins. Elitism yes, but a lot better than the rich leaving and so forcing China's only reaction.

Egypt has done well since the election. But still, the country is very divided over who they wish is in charge, and that situation is not going away. The new opposition goes by the popular name of The Military Council. For the sake of a simple solution, The Military Council nominates 4 candidates as their representative. Citizens vote for the new Network Chairman and the tensions lessen as all are to a degree represented.

In the same way, taking away the USA long term medical liabilities will justifiably give the US government and business the perfect right to feel confident in their future. Having a two-party political system, even if one party is simply a group of wealthy businessmen, increases confidence.

The network is not an asset that can be taken by force. Yes, it has assets but the main asset is POP cash injections which will of course stop if the network is interfered with.

From a Western media point of view, few would disagree that Syria aside the two most fractious relationships are North Korea and Iran. The prospect of not only network inclusion but even the possibility of becoming either an Independent Satellite Network or hosting a Network City (Continental Network Capital) is a far more effective carrot to entice a two-party system than simply saying "we have it so you should have it." At the end of the day, their leaders lead as they feel is best for their people. The network is best for their people and joining the network will make history.

People will say "It's not as simple as that," and of course it's not. It is one of the most complex dilemmas/situations on this planet.

However, as such, only the simplest solution can be effective. When one has significant power all there is left to achieve is the glory of being remembered in history, and gaining the respect love and fellowship of all the citizens.

### *3. How does our Science and Technology assist the process?*

To answer this we need only to look at advanced circular events within our S-World UCS future simulations. Programmed into the future simulations will be solutions to current problems. This is of course a book in itself. I have considered many initiatives that will assist. Albeit now is not the time to share, other than to say I will personally be involved in this process.

Specifics aside let's look at the basics. For every fractious relationship, there are at least two sides, often more. However, often it takes but a few concessions to start to shift a negative Butterfly Effect towards a positive. First, to program S-World UCS future simulations, we need to work out what all parties want. If we look at Iran for instance the biggest fractious issue is their nuclear program. The Spartan Theory is strongly against all nuclear programs except for items used outside of our atmosphere.

Iran does not need either a nuclear weapon or nuclear power, but stopping their programs is potentially politically toxic. So a meeting with those in power takes place and in general, a wish list of future events is discussed. Mainly economical specifically in the creation of network resorts and possibly a Network City. Desalination projects, in general, making Iran look like a really wonderful place to visit come our next decade. All are programmed into S-World VSN and UCS so that the Iranian leaders can show their people what they have negotiated for them. Their people love the new Iran and want their leaders to "make it so."

Obviously, the network is not going to sanction any Angel POP investment until the issue of nuclear weapons or in some cases, just weapons are addressed. However, as the leaders initiated this plan and their citizens can see a far brighter future on S-World VSN & UCS, as the citizens approve their leaders plans they also approve backing down from nuclear technology. Thus abandoning nuclear technology becomes politically positive.

At the same time, the same conversation will be happening with a dozen other countries and fractions across the world. And here we are once again looking at the Power of Participation principle as the first country to come to a position that NATO respects. Alongside acceptance of the two-party nature of the Network sees immediate and massive investment from the Special Projects Angel POP. I personally will make it my mission to very quickly make that country "desired." With one country seen by the world as benefiting profusely, the more others will wish to have what they have. But unlike the recent attempts to topple the leaders, it will be via the leaders' initiatives, thus applying a peaceful solution. As mentioned earlier there is considerably more to this particularly in circular events, but this is the basic principle.

As for the science, in a way we are looking at another Theory of Everything. One based on our current search to unify the forces where String Theory is there to calm the jitters between Quantum Mechanics and General Relativity. S-World UCS future simulations and Angel POP doing the exact same thing, calming the jitters of the global economic revolution

If we look back at The Spartan Theory proper, it was desired for Libya to give up all weapons and in exchange receive NATO protection. Personally, I still see this as an excellent idea. Let's have a look at the original Spartan Theory, the final point in "The Ecological Experience Economy" on 8<sup>th</sup> April 2011, as influenced by The Sienna Project.

### **11. The Spartan Theory.**

In exchange for guaranteed NATO Protection, Libya destroys all weapons.

Sienna's companies fund compulsory education for 16 to 21-year-olds.

Education is geared towards environmental awareness and physics.

All students are rigorously tough martial artists.

If it comes to war again, 300 warriors will fight hand to hand.

So much has been reversely engendered from these forty-nine worlds. The Spartan Theory introduced the network resort land development concepts, education, and the universities. It was the first mention or consideration of physics or any form of science and it was the first mention of ecology. Indeed, The Spartan Theory put the first E in "EEE" (Ecological Experience Economy). Last but far from least it suggests a way to peace.

# Quantum Force Theory

This article on Quantum Force Theory brings us full circle, back to the introduction of American Butterfly Part 1, Quantum Economics, and The Theory of Every Business.

Quantum Force Theory was the influence that dictated the critical Profit vs. Revenue approach to American Butterfly and our  $(NT \times QS \times R/Y > +100\%)$  equation (Network Turnover x Quantum Score x Rotations per year must = over 100%).

Just like the other pillar of quantum economics, the POP Investment Principle, Quantum Force Theory was in part realized during the creation of a graphic. Before looking at the actual graphic, we need to see a conceptual graphic that preceded it. The graphic below was not made at the time, rather just considered. The objective was to show all the 2036 USA Networks in one graphic, whereas soon as strings and leagues became stable they grouped themselves into cubes of 8, 64, 512 and 4096.

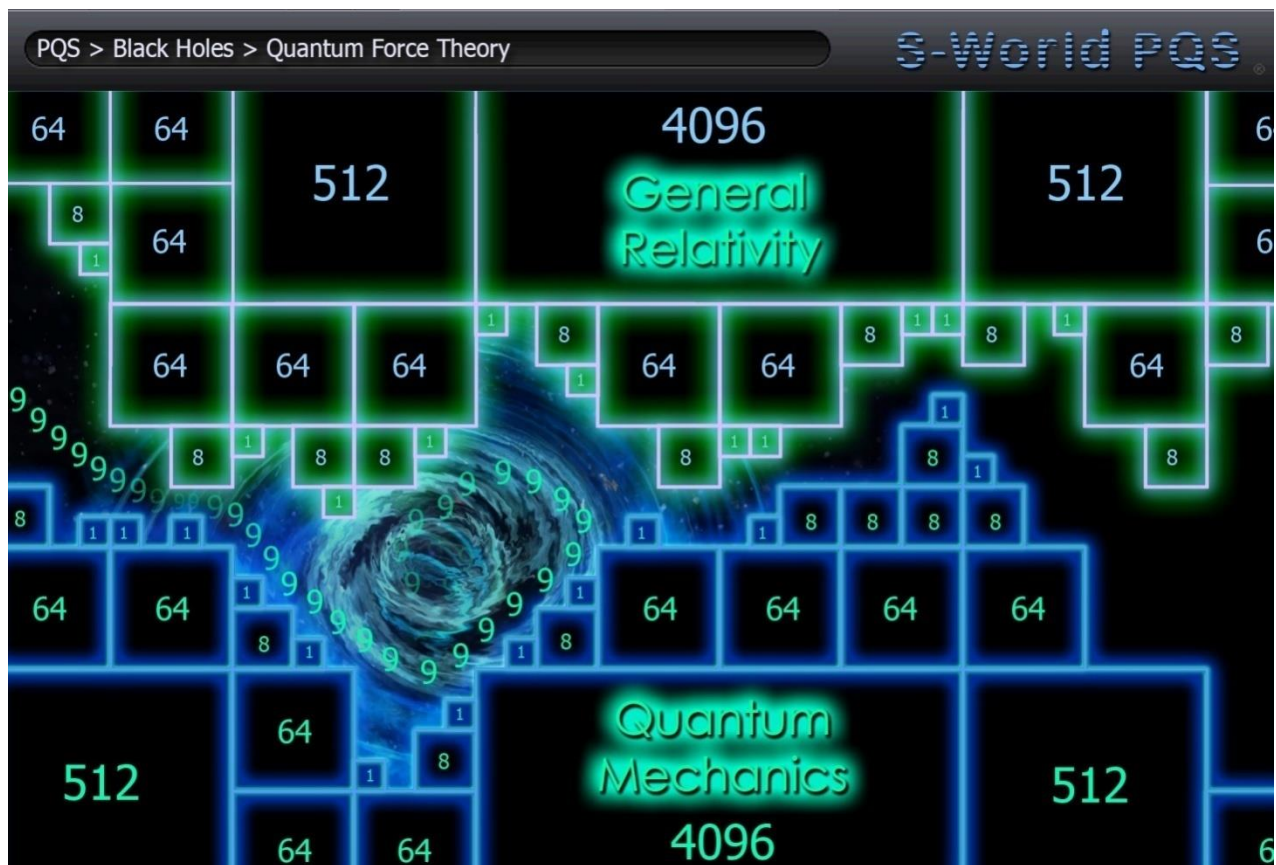


Practically this did not work. As it needed to be in 3D so one could see the eight individual cubes within the eight cube, as in 2D it looks like only four fit inside. Plus, there needed to be a provision to see holes in the larger cubes where unstable networks were, as per solutions highlighted earlier within the "Mathematical

Simplicity and Supersymmetry” passage. It did however present a reasonable starting point for looking at an overview of POP growth.

In the middle of March 2012, I watched two documentaries. The first on physics highlighted an important mathematical detail regarding unifying Quantum Mechanics and General Relativity in the measurement of Black Holes. The reason the two sets of figures will not marry was due to results leading to an infinite number.

My consideration was simple and followed the POP Investment principle. If the experiments and measurements were run again, this time blocking any calculation that created a periodic recurring number and freezing any calculations that went past processing power, on both sides of the process one would not solve the problem per se. But one would create two definitive stable sets of mathematics and have identified a gap of uncertainty. Within that gap, something surprising might be found, maybe a force of frequency. Hence the name Quantum Force Theory.



How this would work in practice was another matter. When one is on a fishing expedition and the fish is on the line, the exact manner in how one is to cook it is not the main concern.

The following day, I was informed that a UK economics program called Newsnight, had given backup to my USA economic analysis which labelled Medical Liabilities and the ageing population as the single largest problem.

The program was in two parts and whilst this program was using UK figures it presented the point well and solidified my opinion on same. Much like the USA it boiled down to: "Even if all the Conservative Governments austerity measures were implemented and the UK came back to growth, due to Medical Liabilities and the ageing population unless politically toxic draconian measures were enacted, the UK would still go bust come the late 2020's." Interestingly it was disclosed that the government did not include Medical Liabilities and the ageing population within their long term budget forecasts, at least not the ones presented to the public.

The second part of the program sighted Economic Black Holes as an equal problem. In short, as no one knew where the money was going, and so no one could improve its journey.

So I considered "If Compatible Finite Mathematics techniques could identify the problem area within the search for mathematical unity within an astrological black hole, the same principle must work for an economic black hole." If the problem area could be identified and quantified, it could be tackled and reduced. This was the inspiration that leads to the profit vs. revenue approach to American Butterfly.

An economic black hole is specific to money, "where does the money go?" Fortunately, the basic concept of the network was already designed to follow the money, with network companies mainly supplied by other network companies all using the same financial software.

One weak link was supplies from companies that did not use the financial software, which was tackled by structuring the initial network with all companies necessary to produce any items.

The harder weak link was in the paying of salaries. This point now dealt with comprehensively within the S-World UCS Simulations chapter "Quantum Time" and the principle of Quantum Scoring. Where we see the majority of salary paid out in Network Credits. And many factors put in place to encourage staff to spend their "cash salary" via a network debit/credit card on items produced by the network.

One bottom-line factor in this regard was the size and versatility of the Network. Where if any item or any place one would wish to visit was network related, then there was no imposition. As such the larger the network, the more staff would be comfortable spending their money on network goods and services.

This very basic principle is of course relative to all network activities. The larger the network, the more businesses and individuals would purchase from it. Hence, the consideration that the Quantum Score (Revenue vs. Profit) will increase with the expansion of the network. From an estimated 55% after the first set of networks are created, to 80% when Angel POP is complete.

Just so we are all on the same page, the Quantum Score is the amount of profit the network generates from each sale. The principal point of sale, their suppliers both material and sundry, and the individual Quantum Scores of their staff.

For quite some time despite the gigantic gulf in results, between early networks expected Quantum Scores of 55% compared to Fortune 500 companies on 7.5%, there seemed something missing. Of course in GDP terms the 7.5% attributed to Fortune 500 companies was not the end of the story as it did not include their supplier's profit or their staff salaries spending. In general, it appears that this figure is multiplied by three to gain a full spectrum of economic stimulus, thus 22.5%. Still low, still making 55% seem so high as to immediately usher in a golden age. But when considered from a total perspective, the figures did not add up.

If Quantum Economics and the Network achieves total supremacy with 80% Quantum Scoring with 20% tax, where there is no outside economy to draw from, using this principle alone would not work. A \$100 Trillion spend if worked on 80% only leads to \$80 Trillion profit. This is working on  $NT \times QS$  (Network Turnover x Quantum Scoring). Hence, we needed  $NT \times QS \times R/Y > +100\%$ , where we added yearly rotations of profit. Where each revolution added to GDP, or NT which in a finite scenario are the same. The second circle of \$80T adding \$64 Trillion to the initial \$80 Trillion making \$144Trillion, more revolutions increasing GDP further.

### **Economic Stimulus**

One of the immensely useful by-products from Quantum Force Theory was the Economic Stimulus. Where to keep track of money the concept of Network Credits was introduced. When this concept was applied to the network figures, not only did it keep track of network capital it had the rather obvious side effect of increasing network turnover and so generated more profit. This led to the consideration of increasing this stimulus. And so instead of an annoying loss of capital, Dividends and Bonuses became an essential part of network growth. Soon other stimulus methods were introduced such as prize money for sports, even dividends to property owners. All points increasing the popularity of the Network, everyone wants to get paid more. This point in particular when it comes down to it could well be the most popular part of quantum economics.

Coming full circle, the Economic Stimulus is now so big. It can be used to influence  $R/Y > +100\%$  as when necessary one can place a two or three-month spending limit on Stimulus Money. Which if set at 3 months would see a 50% of Network Turnover or if you prefer in a total scenario GDP span 4 times in a year. Which alongside the POP Investments destined for a similar rotation in another area offers an immense amount of control over the R/Y factor and so GDP.

It's all very simple and one could ask the question "why has this not been considered before?" Well, it took the human race 190,000 years to notice that if you planted corn, you did not have to move around all the time. Sometimes as simple as something may seem, until you know it, it's as out of reach as the Theory of Everything. But more to the point, one can not use Quantum Economics or  $NT \times QS \times R/Y > +100\%$ , without technology. It's a digital age advancement and were only just beginning this journey.

Moving back to the physics, and specifically, that infinite number that occurs when attempting to unify the mathematics of General Relativity and Quantum mechanics in the measurement of Black Holes, I have since gained a slightly more detailed perspective. The first point of interest is that this phenomenon is not specific to



Black Holes. It is also specific to "The Big Bang," the beginning of the existence of our Universe. Indeed, both Black Holes and the Big Bang are similar, specifically as they deal with small objects that are very heavy. A Stella Black Hole for instance is the result of a star 30 times heavier than ours that runs out of fuel and as such can no longer create fusion. And so it is theorized that the star collapses in on itself to a point of zero volume and infinite density. Just like the beginning of the Big Bang.

Specific to the mathematics of quantum mechanics without which the digital age would not be. According to Dr Amanda Peet if we attempt to commutate the probability of gravitons scattering off one another, what happens is the probability grows with the squaring of the energy. So if you double the energy you need to multiply the probability by four and if you triple the energy you need to increase the probability by nine. At low energies that we encounter in most places, there is no real problem. But at very high energies particularly in Black Holes eventually, the probability will exceed 100%, which is the equivalent of writing  $1=0$  in a math's exam, probability needs to be between 0 and 100%.

Whether this means the energy within a Black Hole dictates the probability of the particles within it is greater than can be contained within our current measurements of our universe or not, I can't say. However, if so, it's a good argument for multiple universes being created.

At the end of the day, we need to consider exactly what is being measured. General Relativity is a set of laws that describe gravity, these laws describe gravity as "The Fabric of Space and Time." Quantum Mechanics dictates that we can only know the probability of any particle being at any place at any time. So when we look for A Theory of Everything, in physics what we are doing is looking at the probability of the fabric of Space and Time.

## Quantum Force String Theory

To the right, we see the Quantum Force String Theory graphic. At the time of creating the Quantum Force Theory, I had no idea what String Theory really was and even less an idea about Quantum Mechanics. All I knew was infinity was important and for sure reverse engineering, the concept into Quantum Economics has been of great benefit. I do believe however that Quantum Force String Theory was actually correct.

It was simple of course. And it was simply the idea that the mathematics that were leading to period rounding or incalculable numbers were bridged by String Theory at the smallest of scales. Which as best as my knowledge of String Theory suggests is pretty much what happens. Of course, the actual point of the bridge is not specific to where one would have rounded, rather somewhere around there as that is exactly how String Theory works, it takes away the precise point and replaces it with a string that can be in many places at once.

Below we see the Quantum Force String Theory graphic, created at the same time as the Quantum Force Graphic. At the time of creation, there was another consideration, and for the life of me, I can't remember exactly how I got there. The consideration was this: If Quantum Force Theory was correct then we were the most sentient race in the Multiverse. And it was our job to create as best as we could a type of Heaven on Earth and further, at all costs we need to protect our complexity heading out to the Stars. However, if Quantum Force String Theory graphic was correct there would be a higher sentience within the Universe or Multiverse.

Now, this does not tell us much that we can use. However, it does give credibility to my other consideration regarding Quantum Force Theory. And that was simply that the gap in-between the set of results could be String Theory, indeed that is exactly what String Theory is.



Above we see the second graphic in the Quantum Force series. The original idea, that the force or frequency between the two sets of boxed mathematical results was String Theory. From an economic QE Scores perspective, the creation of satellite Networks, Super Stings and Quantum Strings expands the network to everywhere one could go, into every village on earth. And so making the network total and elevating the need for cash, thus completely eliminating economic Black Holes.

From a physics perspective going back to our original concept, considering the boxes and numbers as stable networks, and the graphic representing two continental cubes, please consider the journey of the Mandelbrot Fractal. The boxes with the numbers in are generated by the compatible finite mathematics POP process. Each

individual network makes a profit which is fed into the finite math engine. Which we can consider the middle part of the graphic, only to return making the initial continental network or satellite network greater than it was before. A continuous cycle of growth where one becomes the other, then back again.

For this example, we are starting under guidance from Max Planck 1858 > 1947. Awarded the Nobel Prize for originating Quantum Theory in 1918, most famous for discovering the Planck Length. His words: **“There is no matter as such, all matter originates and exists only by virtue of a force which brings the particle of an atom to vibration and holds this most minute Solar System of an atom together. We must assume behind this force the existence of a conscious and intelligent mind. This mind is the matrix of all matter.”**