Reality, Mechanisms, Tools and Motive

A Continuous Improvement Cycle

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Introduction

In my study I began to observe parallels between science and *The Urantia Book*. Earlier this year I was following a couple of science disciplines, and I found myself asking if I was using science to verify *The Urantia Book.* However, I subsequently discovered it was the other way around, that *The Urantia Book* was corroborating science.

In this presentation I will be looking at a couple of contemporary science concepts and relate them to *The Urantia Book.*

When looking at Reality I will speak of the **Holographic Principle**, which is a physics concept based on string theory and quantum gravity.

For Mechanisms and Tools I will look at a biology field called **Epigenetics** which explains how environment and behaviour can alter genetic expression.

And for Motive I will look at some of **Jesus' teachings**, not so much what he taught but one of **his methods** of teaching.

The Holographic Principle

The holographic principle has developed from the understanding of quantum physics and black holes. About 100 years ago, Einstein defined a black hole as:

"…. a massive amount of matter which is so compressed into a small space, it creates a dense field from where not even light, can escape. The notional boundary of this region was called the event horizon."



His theories were not conclusive. These pioneer physicists manually calculated and formulated their theories using notebooks and blackboards. Many took years to calculate; however, computer science and technology advanced through the following decades with Alan Turin building a mechanical code breaking

machine during WW2, basically creating the new science of computing. By the late 40's computing had become electric and subsequently digital using the mathematical language of 0s and 1s which enabled anything from matter to energy and force to be defined digitally.

In the 1940s, the man considered to be the father of the modern computers, Konrad Zuse, through his work hypothesised and actually posed the question*: "Does the universe operate just like a giant computer does, with a futuristic programming somewhere 'out there' that cranks out the energy and information that makes us what we are and what the world is?"*

By mid – late 20th century physicists Stephen Hawkins and later, Leonard Susskind, using quantum computing, expanded this black hole theory. Their conclusions were that the black hole is not empty but a reflection or projection of prevailing data which is aggregated around the rim or boundary (the event horizon).

They further defined the rim as a dimensionless and eternal reality of data, which projects into the black hole everything that is visible, tangible, measurable and known to us currently.

From *The Urantia Book* perspective, this is starting to sound very familiar. The event horizon or the 'dimensionless, eternal reality of data' could be redefined as 'infinite spirituality', and the black hole as 'finite reality' – everything that is known or perceived in a material universe. In *The Urantia Book* Foreword it is expressed that mortals and finite beings have the propensity or need to name everything, so why not call that dimensionless, eternal reality of data, God? The source pattern or program.

Leonard Susskind said*, "Hypothetically, if we could observe from outside, with our limited/finite concepts of existence, and operating solely from what we know from within the black hole, we're like a bubble floating in an ocean of eternal spiritual reality."*

The Urantia Book has, however, revealed to us expanded information into the way that the 'spiritual' space or reality is ordered.

Quotes:

- *God, as the First Source and Centre, is primal in relation to total reality. 0:3.9 (5.8)*
- *No thing or being, no relativity or finality, exists except in direct or indirect relation to, and dependence on, the primacy of the First Source and Centre. 0:3.11 (5.10)*
- *This is the primal concept of original reality: The Father initiates and maintains Reality. 0:4.5 (7.3)*

It's not like we can get into a rocket ship and go there. Being eternal and dimensionless, we would perceive nothing. This is where we need to exercise some faith which is more than a belief, it is an assurance.

- *The absolute primacy of the Universal Father is not apparent on sub-infinite levels; therefore is it probable that only the Eternal Son and the Infinite Spirit truly know the Father as an infinity; to all other personalities such a concept represents the exercise of faith. 0:3.25 (6.5)*

Approaching from this faith we know from *The Urantia Book* that this 'eternal spiritual space' is ordered around a central stationary Paradise which has, not only consciousness, but also has personality, is ordered, governed and administered. The dimensionless eternal reality of data is the expression of Paradise, or the volition of God.

Quotes:

- *The Isle of Paradise is non-personal and extra-spiritual, being the essence of the universal body, the source and centre of physical matter, and the absolute **master pattern** of universal material reality. 0:5.5 (8.5) (Emphasis mine)*

- *PATTERN can be **projected** as material, spiritual, or mindal, or any combination of these energies. It can pervade personalities, identities, entities, or nonliving matter. 0:6.10 (10.2)* (Emphasis mine)
- *PARADISE is a term inclusive of the personal and the non-personal focal Absolutes of all phases of universe reality. Paradise, properly qualified, may connote any and all forms of reality, Deity, divinity, personality, and energy—spiritual, mindal, or material. All share Paradise as the place of origin, function, and destiny, as regards values, meanings, and factual existence. 0:4.11 (7.9)*

The Holograph



A hologram is a recording on a two-dimensional surface that displays a three-dimensional, lifelike image appearing to have depth and parallax. This image is like the artistic light hologram we are familiar with, like Obi-Wan Kenobi in the Star Wars films.

The Holographic Principle, when applied to the universe, implies that our three-dimensional universe could be a projection of a 2D surface at its boundary.

Leonard Susskind stated that, *"The three-dimensional world of ordinary experience—the universe filled with galaxies, stars, planets, houses, boulders, and people—is a hologram, an image of reality coded on a distant two-dimensional surface."*

He has somewhat contradicted himself here in that the coding in the event horizon is not merely two-dimensional but actually dimension-less. Hypothetically, if a two-dimensional display can create a three-dimensional image, then a dimensionless code would have endless capabilities.

A further definition of a hologram is that for every piece of something, in that piece, the rest of the something is projected. That is, the entire image is reproduced in that fraction. In a two-dimensional plane the image is made up of squares called pixels. Each pixel contains the information for that specific part of the image. It's like a square jigsaw.

In a hologram each piece is called a voxel or effectively a cube of three dimensions. And each voxel contains the information for the whole image.

So here I would ask, can we put ourselves in this picture?

Unified and quantum physicist, cosmologist and biologist Nassim Haramein, allows his theories of singularity to incorporate the eternal reality as having living consciousness (aka, God). He is quoted:

- *"If all the information is present in every point (voxel) that means that you can have access to information that is non-local to you. And that means as well that you can learn from within you. That is, not all knowledge comes from outside of you, and into you but that actually you have knowledge within you that can emerge from you. And that is the creative process. And that leads to understanding the source of awareness or consciousness."*

Again, from *The Urantia Book* perspective, this sounds very like he's describing the Thought Adjuster. The one piece of the whole picture, a voxel, is a fragment of God, containing the whole picture or reality. And we could replace the word reflectivity with projection.

Quotes:

- *If you will remember that God is the source of pure energy and of pure spirit, it will not be so difficult to perceive that his fragments would be both. 107:6.4, (1182.6)*
- *While Thought Adjusters do not participate in the operation of the universal reflectivity system, we have every reason to believe that all Father fragments are fully cognizant of these transactions and are able to avail themselves of their content. 17:3.9 (201.7)*

And on reflectivity:

- *The attribute of reflectivity, the phenomenon of the mind… is transmissible to all beings concerned in the working of this vast scheme of universal intelligence. 17:3.3 (201.1)*
- *The Reflective Spirits are not merely transmitting agents; they are retentive personalities as well. 17:3.5 (201.3)*
- *The true spiritual records are assembled by reflectivity and are preserved… These are the* live *records in contrast with the formal and* dead *records of the universe, and they are perfectly preserved in the living minds of the recording personalities of the Infinite Spirit. 17:3.6 (201.4)*

Epigenetics and Coherence

Genetics is the scientific study of genes and variations in living organisms. Genes are segments of the chemicals of DNA that contain all the information necessary to build and maintain an organism. DNA is a double acid which curls around itself forming the familiar double helix shape.

Genetics is thought to explain inherited conditions and influences physical characteristics like height, eye, skin and hair colour etc.



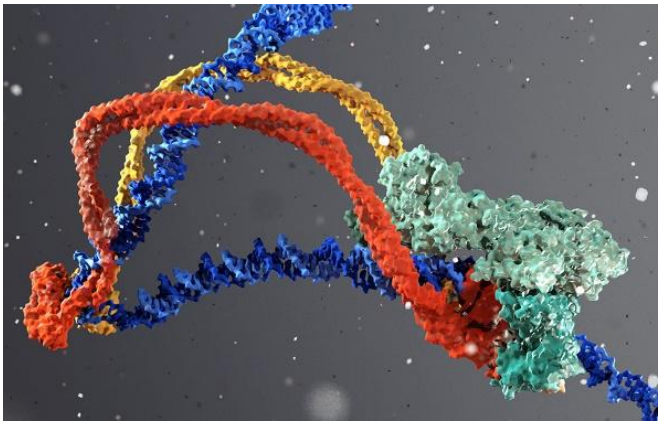
In the 1990s a massive international scientific research project called The Genome Project, was established to map a complete reference sequence for all human DNA. This bank of information revolutionized biology and medicine. It gave greater understanding of disease and treatment, especially those with genetic or hereditary components.

One of the biologists working on the Genome Project, Dr Bruce Lipton, made some sideline discoveries that demonstrated that, where genetics were considered to govern and control the DNA code, it was rather that the genes actually responded and evolved individually according to their environment.

He had identical gene cells in three different petri dishes and put a different culture medium in each to change the environment. He discovered that the genes essentially adapted themselves to the individual environments. This led to the conclusion that genes do not control or code our lives but that our surrounding environment effectively

provides the raw data for our genes to respond to. It is something outside or above the genetics which is governing. Epi is a Greek word which means *above*.

Deeper studies and analysis of the biological structures of DNA strands show that the single strands of the double helix actually unravel and wrap themselves around clusters of proteins.





From the schematic picture you can see the DNA double helix in blue, unravelling into single strands and wrapping themselves around proteins. The proteins are pictured in a geometric form because we understand proteins to be the building blocks of living organism such as tissue, bone, muscle, cells etc.

A closer look shows that the proteins have wormy like cells (in yellow), which are receptors. These receptors are what gather information from the surrounding environment.

So, contrary to the concept in genetics, that DNA contain instructions for creating proteins, it's the proteins that carry data, received from our environments to code the DNA. The DNA is just the biological machine receiving instructions.

Now our environment is not just a physical phenomenon, such as where you live, city, country, climate, air and water quality, nutrition, exercise etc. There are many other conditions which govern our makeup. There are also non-physical, influences such as, mental environment, familial, social, educational, religious or spiritual. These all become the reflection of what we know or what we think we know. This is the raw data that we are supplying for our DNA and material life.

Dr Bruce Lipton concluded: *"Our environment, and more importantly, our perception of our environment is what controls our genes. So, effectively the genes are responding to our beliefs. That makes us the master.* ***Change your belief and you change your genetics****". (Emphasis mine)*

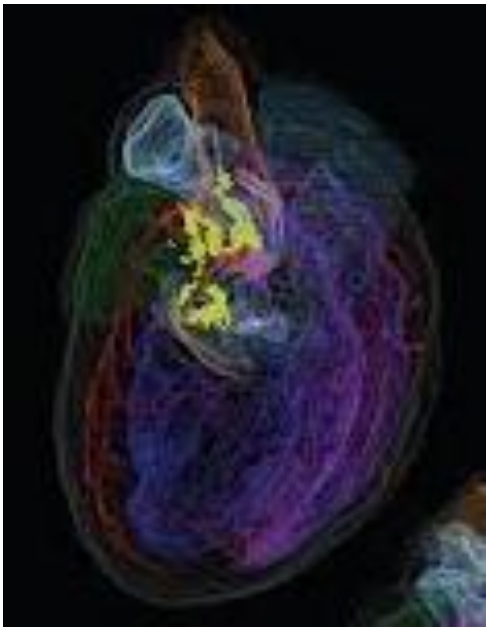
This is very similar to German theoretical physicist, Max Planck, who originated quantum theory, where he began to understand that consciousness affects matter, and famously quoted:

"When you change the way you look at things, the things you look at change." *(Emphasis mine)*

One major factor which does influence our perception of life is that, according to studies in psychiatry and human behaviour, from the last trimester of pregnancy to about the age of seven our brains are in a theta state. This state is the stage of hypnosis. So the early years of our lives we are in a completely suggestable state. This is the initial programming for our lives. This could be negative and/or positive programming. Our genetics will reflect that programming in either well-being or dis-ease, and disturbingly some of it may not even be true!

There are ways to get around undoing negative or unhelpful 'programming' and even to positively re-program ourselves.

Recent studies in psychophysiology and neurocardiology have identified a network of sensory neurons or brain-like cells in the heart.



This is well established and is affectionately called the ‘little brain’ or the ‘heart brain’ that can learn, think and feel independently from the brain. The ‘big’ brain is logical, rational and objective, the ‘little’ brain is perceptive, emotional and intuitive. It harbours no prejudgements.

We’ve been conditioned to use them independently, creating a separation. Mostly as part of our earlier programming but also historically and by evolution.

Exercise:

To demonstrate this, a good exercise and personal confirmation of this is to:

Identify a niggling little problem that is currently irritating you. Try to isolate and encapsulate that thought and put it aside for the moment.

Sit comfortably and quietly. Gently draw in a few slightly longer breaths, maybe by a second or two, to calm your mind and begin to expand the chest cavity. This effectively is also creating space around the heart muscle.

It may be helpful to close your eyes to reduce visual stimulus. It also may be helpful to physically touch your heart with one or two fingers or your palm, or both palms, like saying a prayer.

Acknowledge and engage the ‘heart brain’ and give it some space and time to think.

After a moment or two ask the ‘heart brain’ to think about your encapsulated problem. Don’t let your ‘big brain’ try to explain, expand or take over. It has had plenty of time to think. Just ask it to quietly step back.

After a couple more breaths, return to your normal conscious state and try to notice and acknowledge any change in your attitude. You may find that answers or insights come later, unexpectedly or in due course.

So, can we use this as a ‘truth seeking’ tool to undo some of our prior negative or unhelpful programming?

Studies from the HeartMath Institute have also shown that the brain receives many of the instructions that tell it what to do from the heart. The heart brain effectively bypasses rational thinking and can be harmonised with the head brain by what has been termed Coherence.

“Heart Coherence is a state of cooperative alignment between the heart, mind, emotions and physical systems….and that we can call upon it for greater mental clarity, creativity, emotional balance and intuition.” (HeartMath Institute)

This opens up new opportunities and potential.

What if we step back and use the heart brain not only as a truth-seeking tool but also as a navigational tool? What if we were able to take all the information that we understand from *The Urantia Book* and harmonise it with the heart? What if **heart/mind coherence** is actually the function of the Thought Adjuster? Or as Jesus taught, "*The Kingdom within"?*

That would mean we'd be taking our raw data (for DNA) directly from the eternal source.

From *The Urantia Book* our understanding of the event horizon, the dimensionless, eternal reality of data, or Divinity or Deity Absolute is:



As a mortal creature – **Truth, Beauty and Goodness**
As a grander personality – **Love, Mercy and Ministry**
In non-personal levels as – **Justice, Power and Sovereignty**

Would these positive states not be a healthier environment for the raw data for our genes to accept and respond to?

Navigating the Path

We have an ocean of information and raw data available to us, including *The Urantia Book* in its entirety.

This entire narrative presents only a fleeting glimpse of the immense creation of which your world and local system are a part. 15:14.4 (182.3)

Paper 6 reveals some inherent conditions and limitations and are listed as, amongst others:
06:0.10

- Mortal language
- The mortal mind
- Our inability to grasp even a partial eternity viewpoint

However, help is at hand. *The Urantia Book* is like a guidebook or an operational manual.

In the Foreword we are given a path to follow.

To atone for finity of status and to compensate for creature limitations of concept, the Universal Father has established the evolutionary creature's sevenfold approach to Deity: 0:8.1 (11.5)

1. *The Paradise Creator Sons.*
2. *The Ancients of Days.*
3. *The Seven Master Spirits.*
4. *The Supreme Being.*
5. *God the Spirit.*

6. God the Son.
7. God the Father.

All these Deity and Universe realities are spoken of in depth in the body of *The Urantia Book*. But let's not get ahead of ourselves and just explore the first step – the Paradise Creator Sons. This is the order of Michaels of the local universes. Part of the Michaels charter to obtain complete sovereignty is to gain actual experience of the universe through seven bestowals.

Now our Michael's seventh and last bestowal was in human incarnation as Jesus. So for us, we can commence our spiritual journey through the recognition of the life of Jesus. He became the Master teacher of the Kingdom of God.

*From the life of the Master you may **each assimilate that concept of God which represents the measure of your capacity to perceive realities**…The finite can never hope to comprehend the infinite except in the time-space personality experience of the human life of Jesus of Nazareth. 169:4.3 (1856.1)* *(Emphasis mine)*

Jesus himself, said:

"I am the door, I am the new and living way and whosoever wills may enter to embark upon the endless truth-search for eternal life." 166:3.7 (1829.4)

In the later part of Jesus's ministry, he became acutely aware of his limited tenure and the need to get his teachings across without hindrance or accusations from his enemies. He began to teach in parables. Let's look at some of the concepts of teaching in parables.

In addressing a group of about 300 followers:

*"On this night I have much to tell you, ……, I will present my teaching in a parable, so that you may each take for yourself that which finds **a reception in your heart**." 165:2.2 (1818.3)* *(Emphasis mine)*

*Parables favour the making of impartial moral decisions. The parable evades much prejudice and **puts new truth gracefully into the mind** and does all this with the arousal of a minimum of the self-defence of personal resentment. 151:3.8 (1692.7)* *(Emphasis mine)*

The use of the parable form of teaching enables the teacher to present new and even startling truths while at the same time he largely avoids all controversy and outward clashing with tradition and established authority. 151:3.10 (1692.9)

The terminologies and sentiments here are very reminiscent of Epigenetics and Coherence, the harmony of the heart brain in bypassing the rational pre-judgemental brain, and positive re-programming.

Let's take a critical look at one parable which is written in the Bible. Matthew 13:47-50 Parable of the Net:

"Once again, the kingdom of heaven is like a net that was let down into the lake and caught all kinds of fish. When it was full, the fishermen pulled it up on the shore. Then they sat down and collected the good fish in baskets, but threw the bad away.

To put The New Testament in context, the Romans were a political people but by 4th Century the Roman Empire had collapsed. King Constantine was the first leader to become a Christian, and he sought a unified belief system to regain order and control by defining Christianity for all. He had academics assembled the New Testament from historical records which they refined, edited and redacted to reflect his new vision. And so this was added to the parable of the fish.

"This is how it will be at the end of the age. The angels will come and separate the wicked from the righteous and throw them into the blazing furnace, where there will be weeping and gnashing of teeth."

We can sense straight off that this is not Jesus talking, or Michael or God.

Let's look at the same parable but as recorded in the Gospel of Thomas. This gospel was not included in the New Testament possibly due to some controversial information. These gospels have resurfaced however, in the Nag Hammadi documents and the Dead Sea scrolls which were found in the 1940s, Thomas was a contemporary of Jesus, an Apostle. He walked, talked, learned, ate, even fished with Jesus so his recall is much more direct than the Roman academics of 400 years later.

Gospel of Thomas:

And he said, "The man is like a wise fisherman who cast his net into the sea and drew it up from the sea full of small fish. Among them the wise fisherman found a fine large fish. He threw all the small fish back into the sea and chose the large fish without difficulty. Whoever has ears to hear, let him hear"

Let's put together a 21st century intellect's interpretation of this parable:

- The wise fisherman – There's a lovely term used in paper 54. Paper 53 describes the dramatic events of the Lucifer Rebellion, then paper 54 discusses the aftermath and management. The presenter finds it difficult to explain the decisions made 'higher up' but says that any **reflective thinker** would begin to understand.
  If I refer back to quantum physics, Einstein proposed that the data in the event horizon was **static**, Hawkins said it **slides** into a void, Susskind said it was **projected**. *The Urantia Book* says it is **reflected**. So a Reflective thinker is effectively a **God thinker**. So let's call the wise fisherman a reflective thinker.

- Cast his net into the sea – the human mind is a powerful instrument. The intellect trawls constantly for truth and will process and sort what it finds. Even computer programmers will try to capture raw data to process into useable information. So, the net is our intellect, and the sea is the ocean of data and information that is available to us.

- Drew it up full of small fish – Reality as we currently know or comprehend it.

- Amongst it all he found a fine large fish – I'm going to say that is *The Urantia Book*.

- He discarded all the other information and chose it without difficulty – we have a freedom of choice as to what we select to feed and nourish our minds, or for our wormy little protein receptors to munch on.

- For those who have ears to hear – Jesus said this often and I'm going to go out on a limb and say that this is coherence. The heart/head brain harmony which allows us to be receptive to (or to hear) the truth in all its simplicity.

The use of parables encourages us to acknowledge the simple messages in life. The synchronicities that can seem to dramatically effect and change our attitudes.

So, in the spirit of this year's conference:

…. all this doom of darkness and all this destiny of despair are forever dispelled by one brave stretch of faith on the part of the most humble and unlearned of God's children on earth. 102:0.2 (1118.2)

…you mortals, just now taking your first step on the eternal journey, can well see that you must advance a long way before you will progress by "sight" and "material" assurance. You will long use faith and be dependent on revelation if you hope to progress quickly and safely. 19:5.12 (221.2)

*This saving faith has its birth in **the human heart** when the moral consciousness of man realizes that human values may be translated in mortal experience from the material to the spiritual, from the human to the divine, from time to eternity. 102:0.3 (1118.3)* ***(Emphasis mine)***



The absolute primacy of the Universal Father is not apparent on sub-infinite levels; therefore is it probable that only the Eternal Son and the Infinite Spirit truly know the Father as an infinity; to all other personalities such a concept represents the exercise of faith. 0:3.25 (6.5)