

Reality and our Memories of It

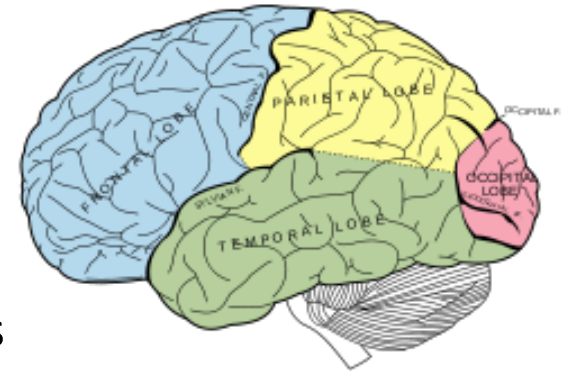
**A Theory of The Mind and The Memories
within it which form the World we live in.**

Martin Squibbs

**The Humanist Community of Silicon Valley
Sunday Forum October 20th 2013**

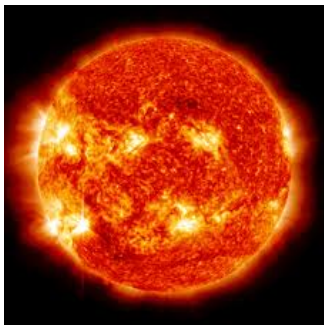
The Human Brain

- Approximately
 - 100 Billion Neurons
 - Approximately 100 Trillion Connections
 - 3 lbs in Weight, 6.5 x 5.5 x 3.5 inches in size
 - 2% of Body Weight
 - 30W energy Consumption
 - 20% of Body's energy consumption (150W)
- The most complex form within the known Universe



A Model of Reality

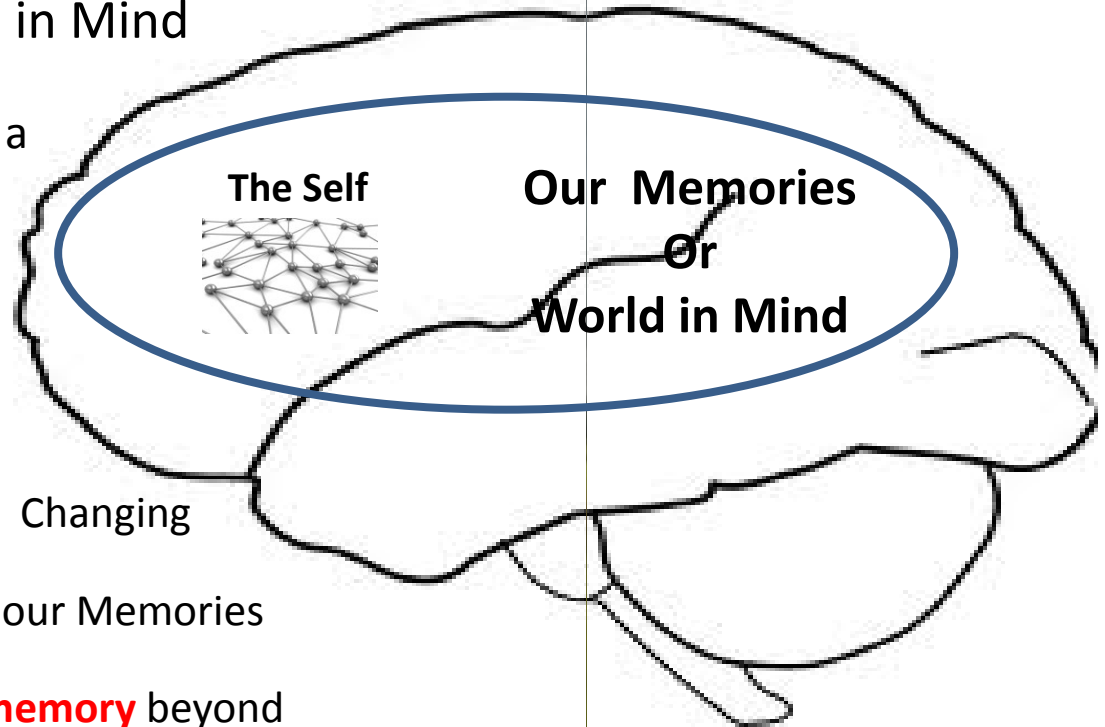
- Physical forms changing position in space, in 3 dimensions.



A Theory of The Mind

The Theory

- Our self appears to be a complex neural structure focused in the brain's pre-frontal cortex .
- Our memories are distributed more broadly throughout our brain and form our world in Mind
- Consciousness appears to be a process of electrical and chemical communications between the self and other parts of the brain

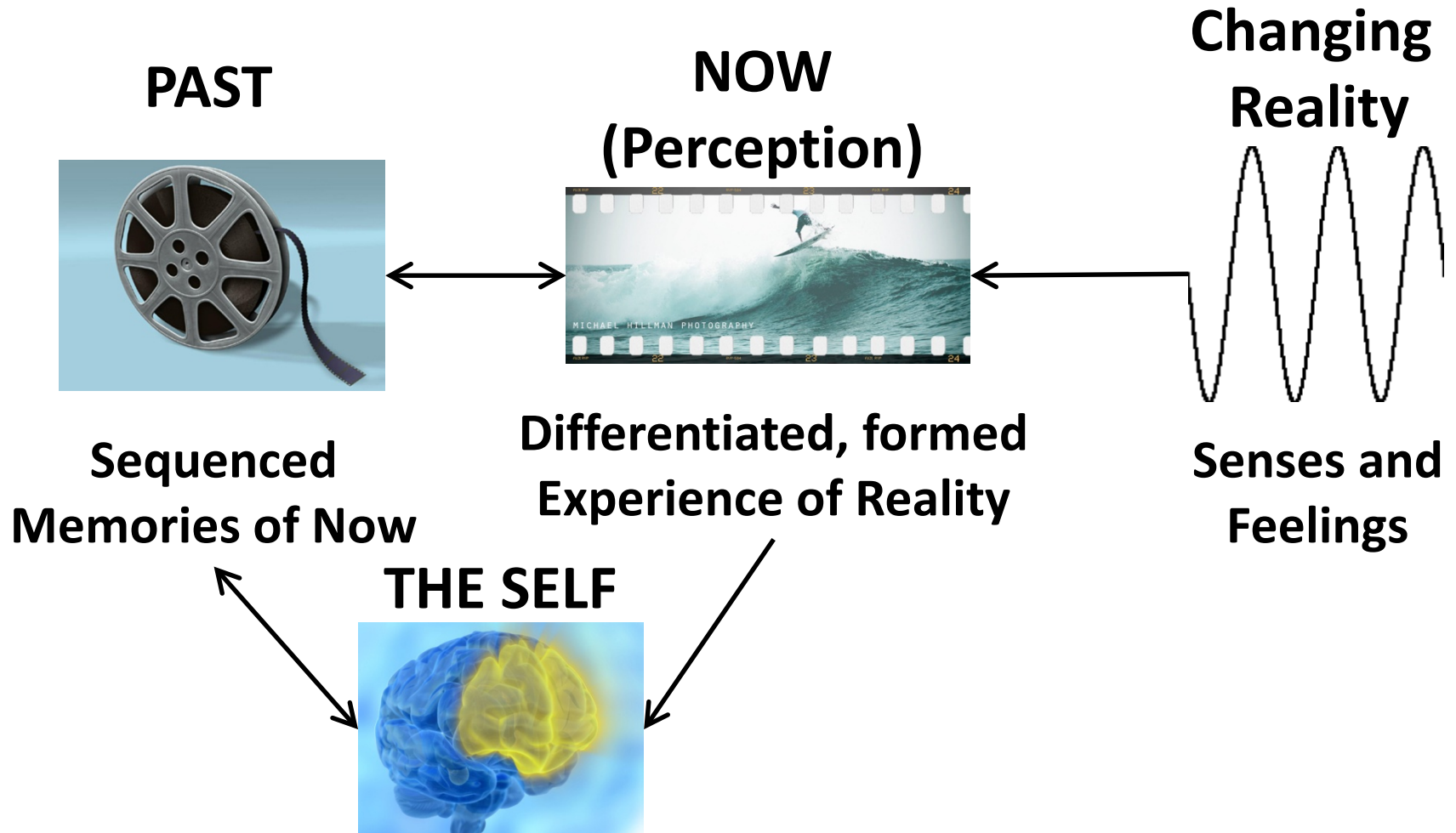


Important to Note

- The **Reality** of our Memories is Changing neural structures in the brain
- The integrated combination of our Memories is our **World in Mind**
- There are many Forms of our **memory** beyond just our **Past** (including **Knowledge** and **Future**)

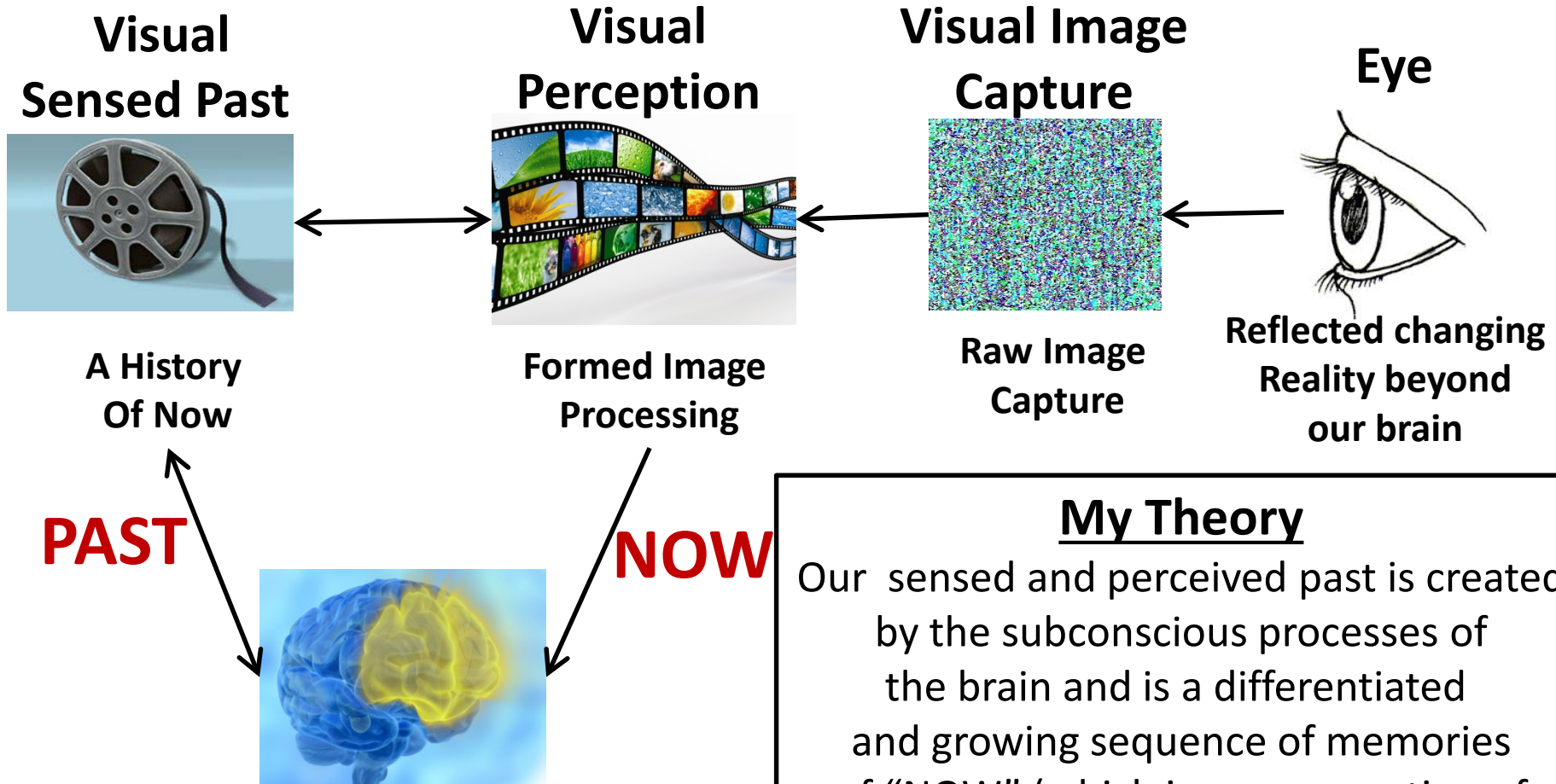
The Foundation of Memory

Experienced Past



The Foundation of Memory

Experienced Objective Past (Sensed)

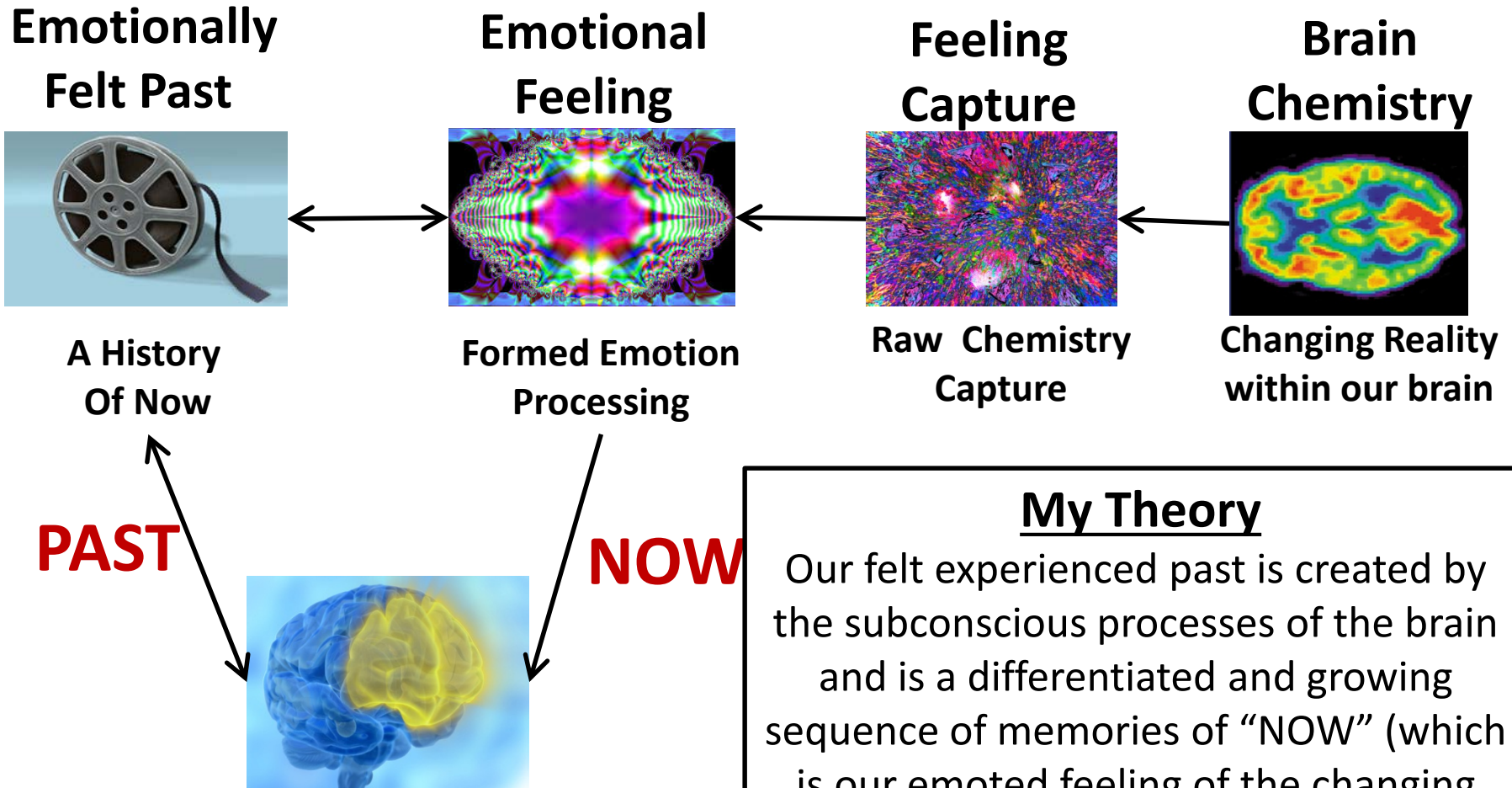


My Theory

Our sensed and perceived past is created by the subconscious processes of the brain and is a differentiated and growing sequence of memories of "NOW" (which is our perception of our reflected senses of changing reality Beyond our brain)

The Foundation of Memory

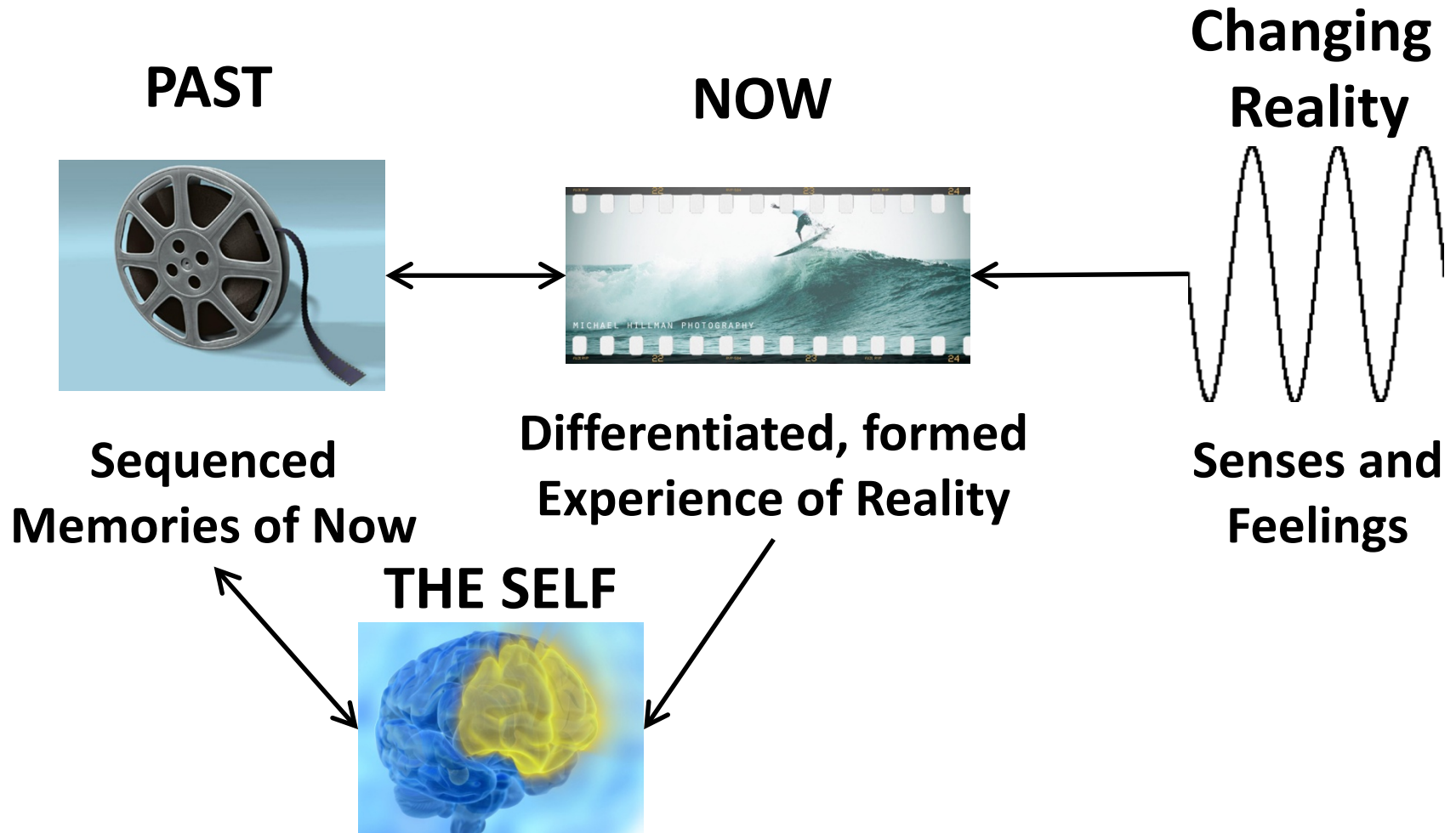
Experienced Subjective Past (Emoted/Felt)



My Theory
 Our felt experienced past is created by the subconscious processes of the brain and is a differentiated and growing sequence of memories of "NOW" (which is our emoted feeling of the changing chemical reality within the brain).

The Foundation of Memory

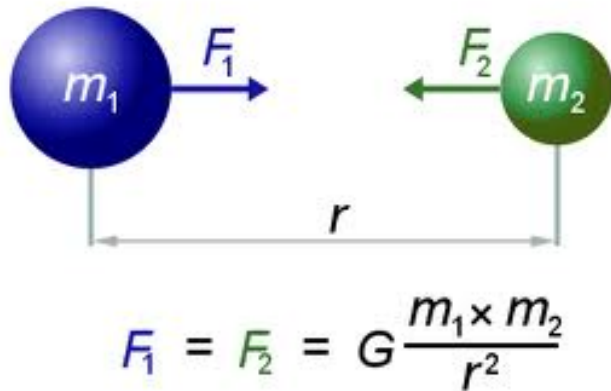
Experienced Past



The Ground Floor of Memory

Derived Knowledge

Integrated
Knowledge



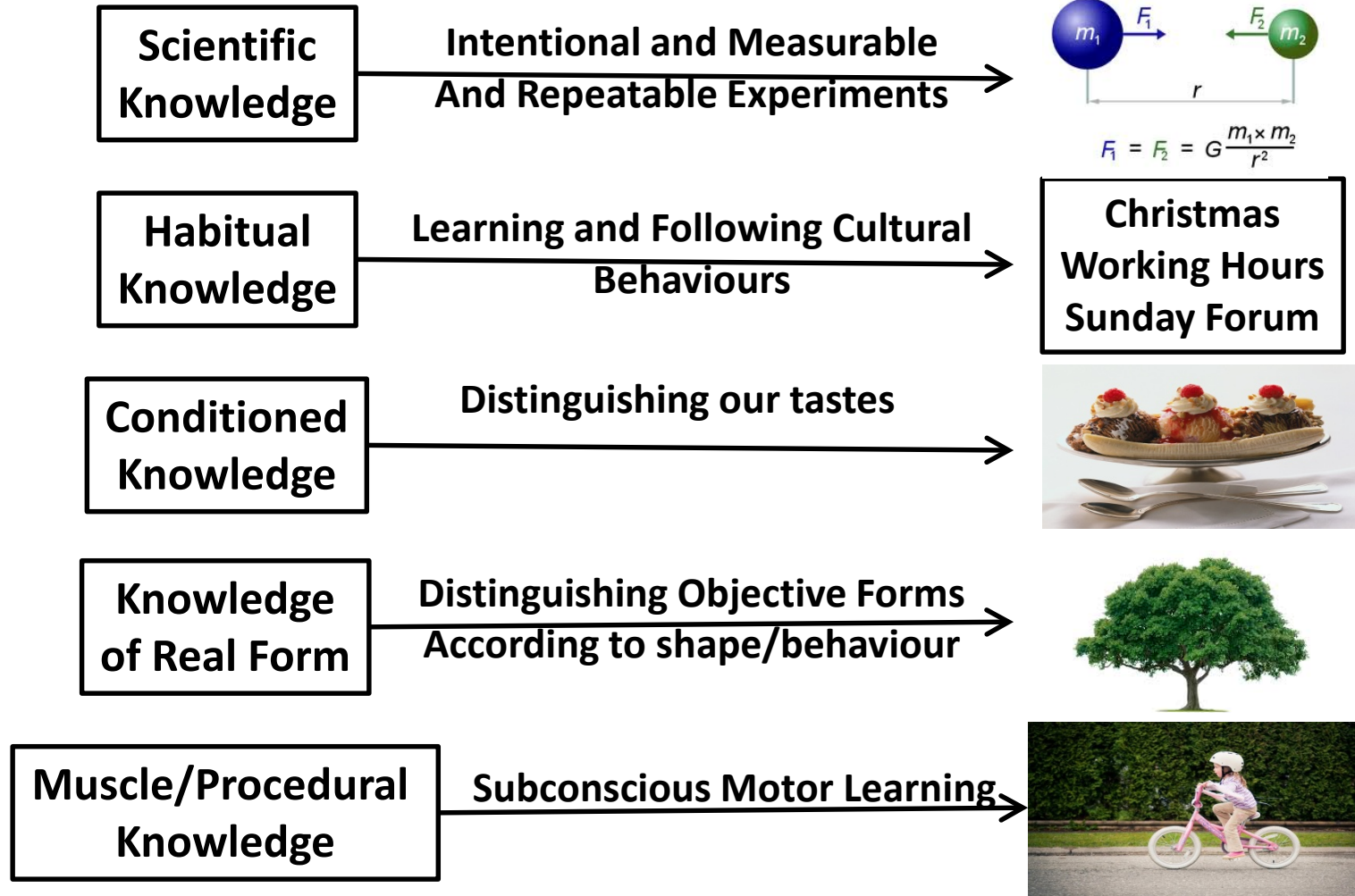
Experienced
Past



**Knowledge Memories are Integrations
of Past Experience into common and
repeating patterns or processes**

The Ground Floor of Memory

Types of Knowledge



The Higher Levels of Memory

Projected Futures

Projected
Futures

Future 1

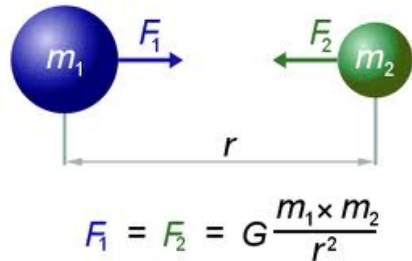
Future 2

Future 3

.....

Imagined Pasts
Yet to come

Integrated
Knowledge



Repeating
Patterns

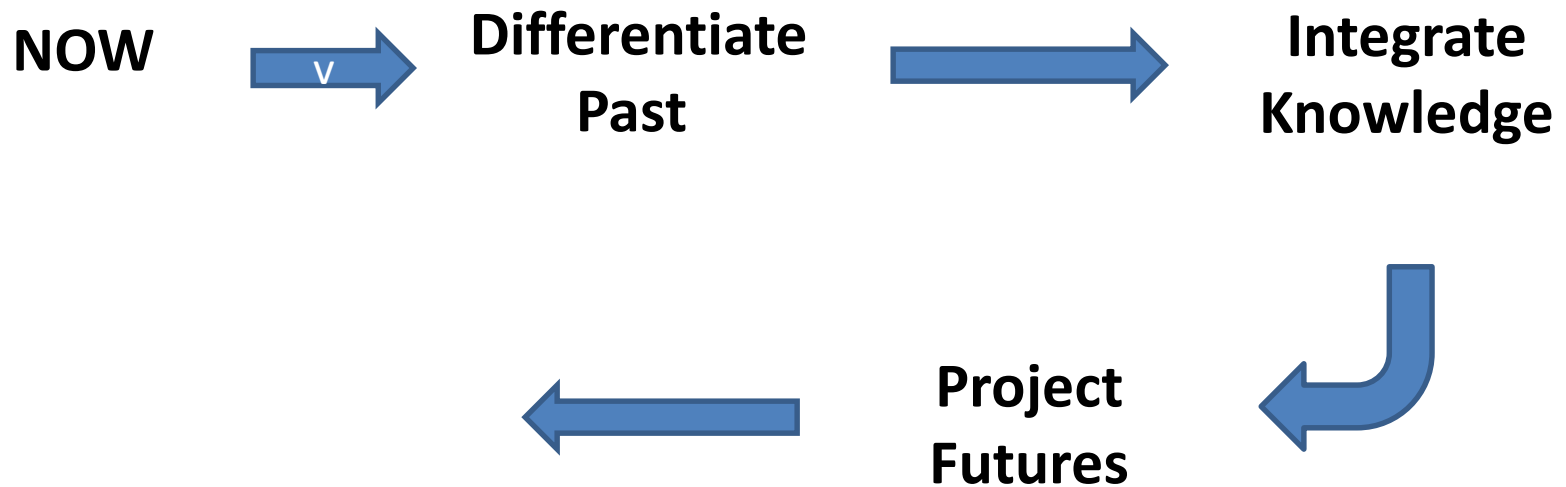
Experienced
Past



Sequence of Now

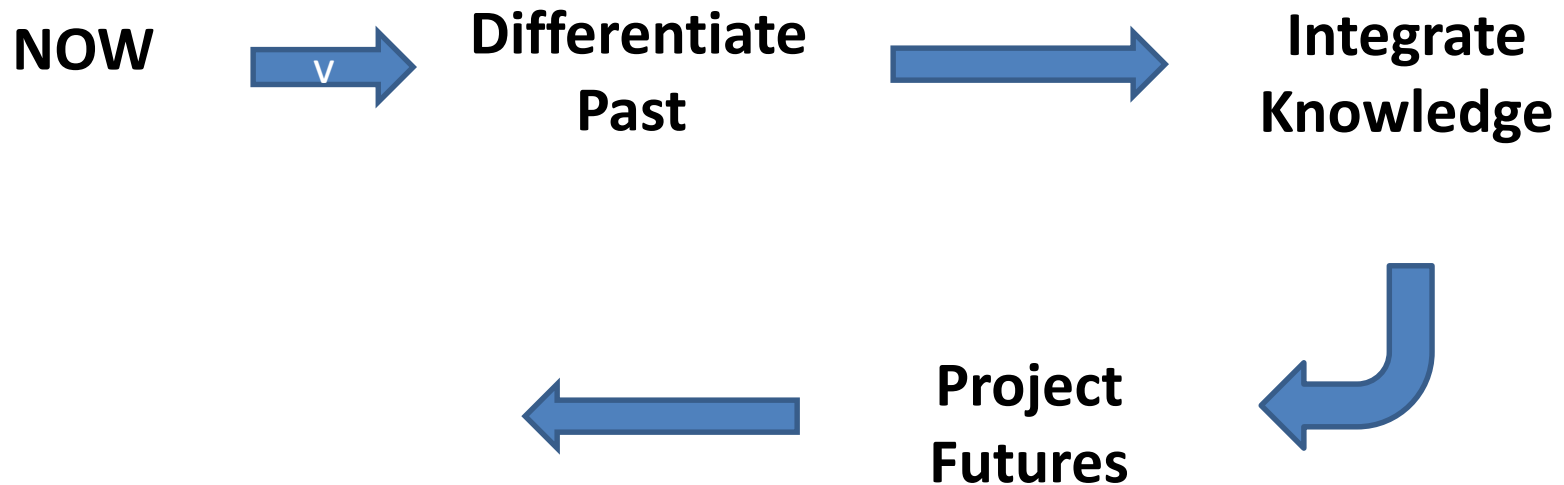
A Future Memory is a Projection (Plan or Prediction) of an imagined Past, not yet experienced in Reality as Now

Growing our World of Memories



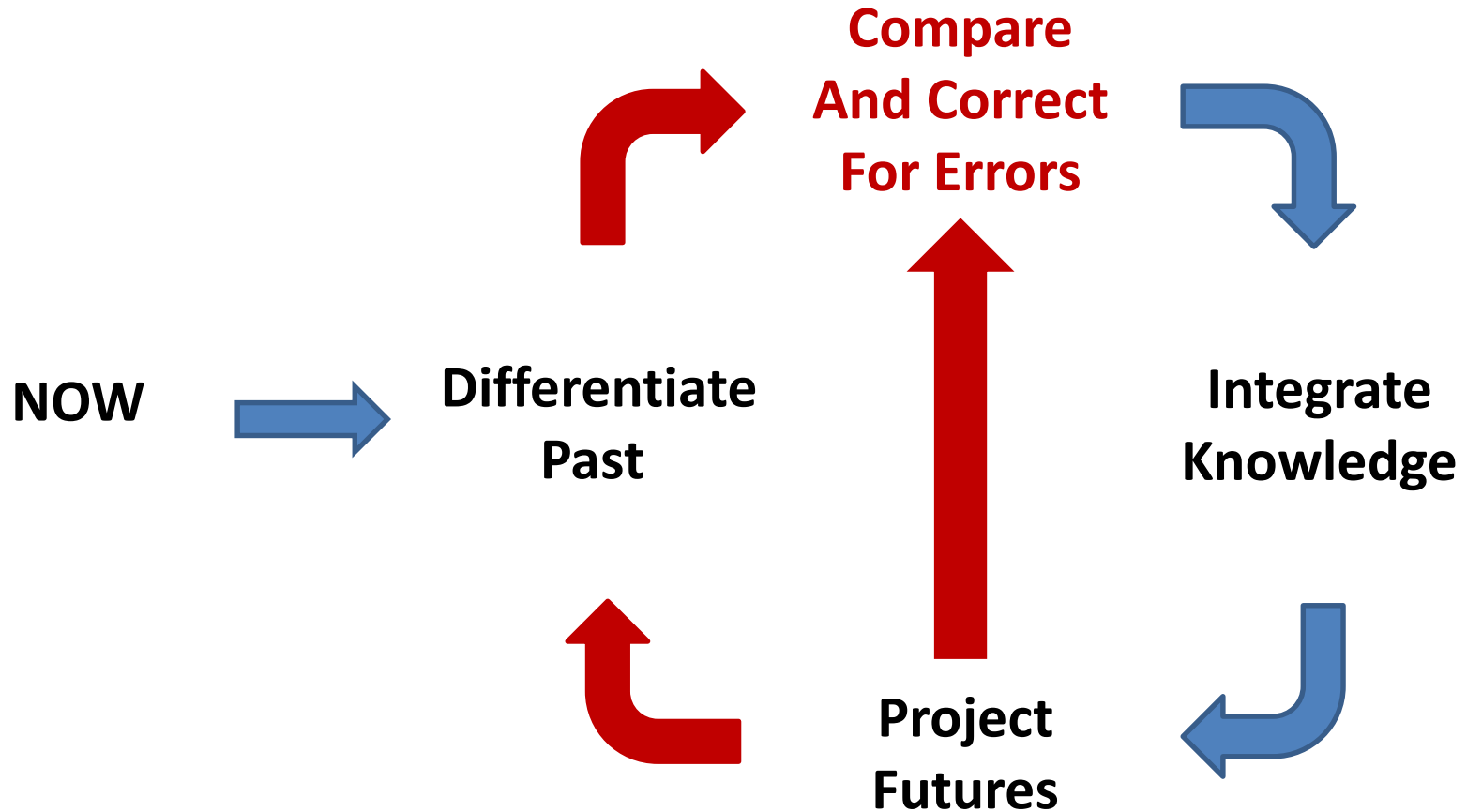
Growing our World of Memories

The Missing Step – Corrective Learning

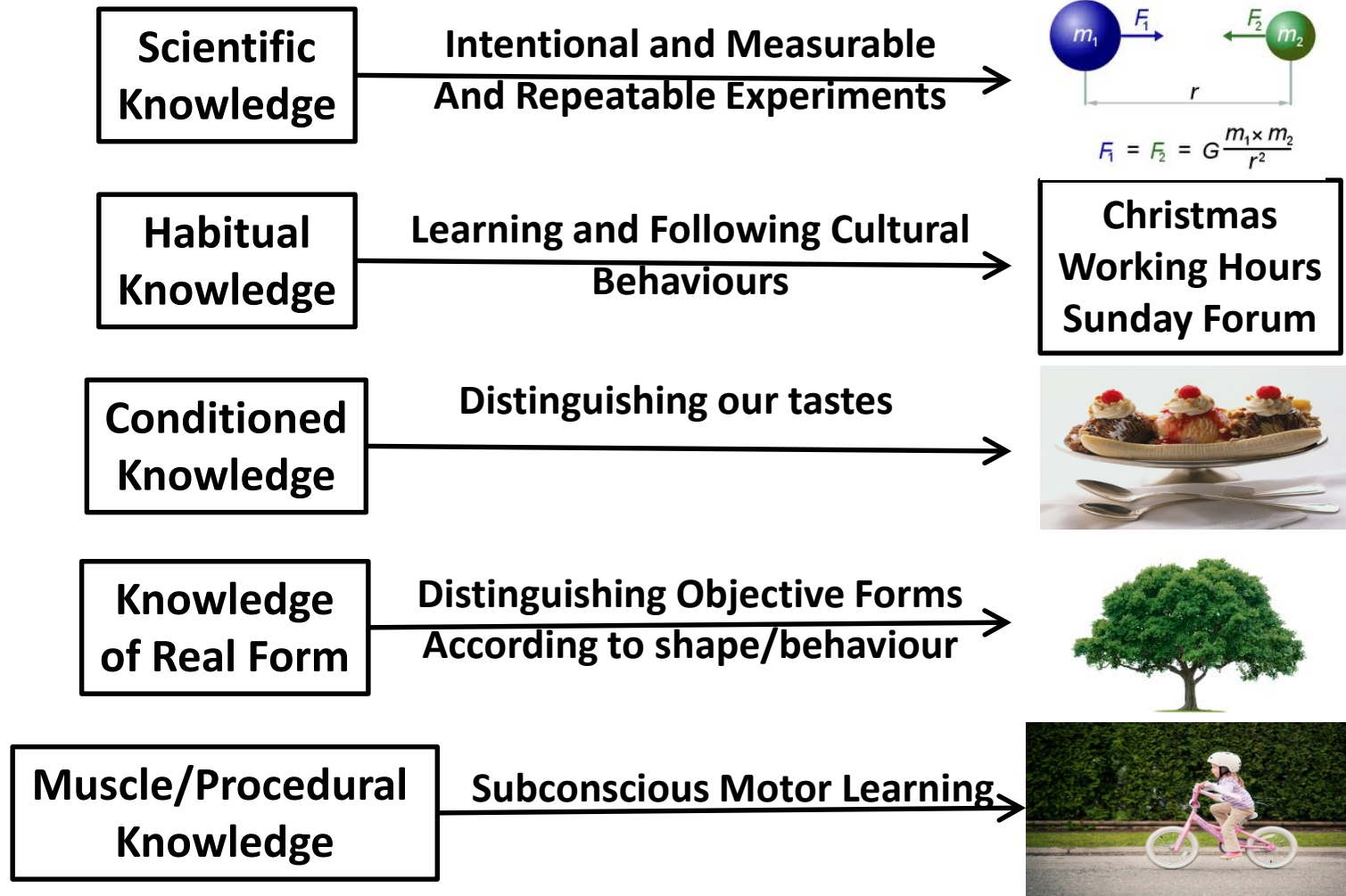


Growing our World of Memories

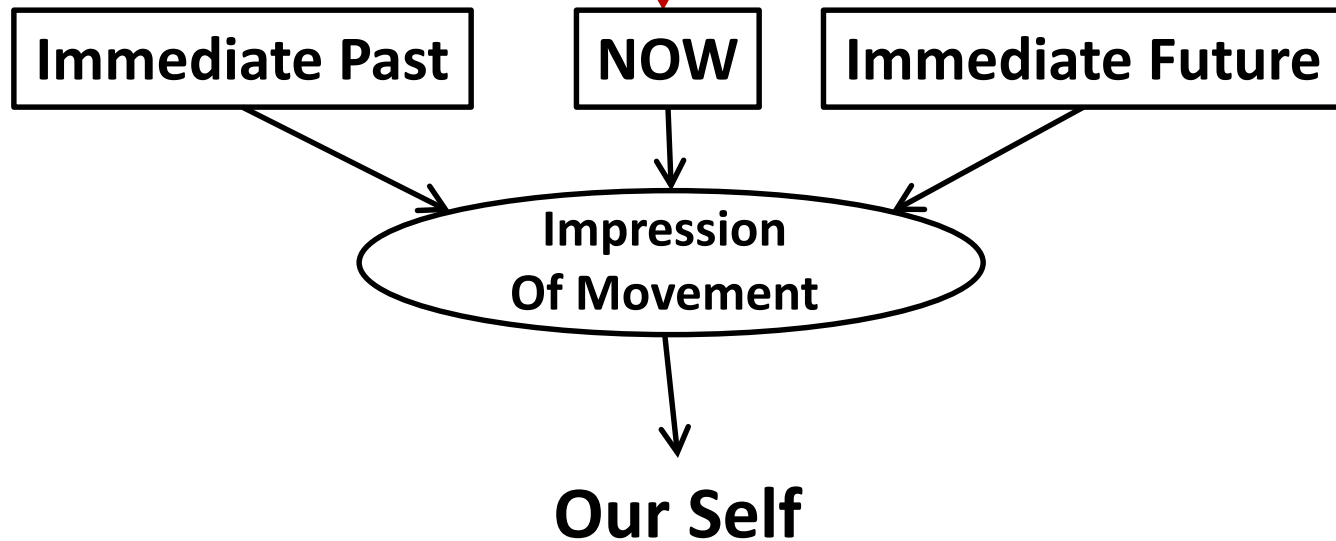
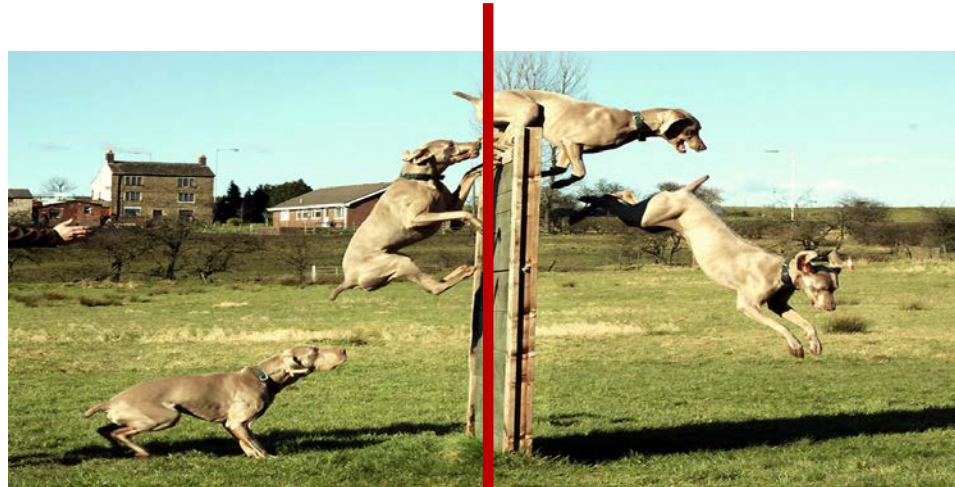
The Missing Step – Corrective Learning



Knowledge Error Correction Occurs with all Types of Knowledge

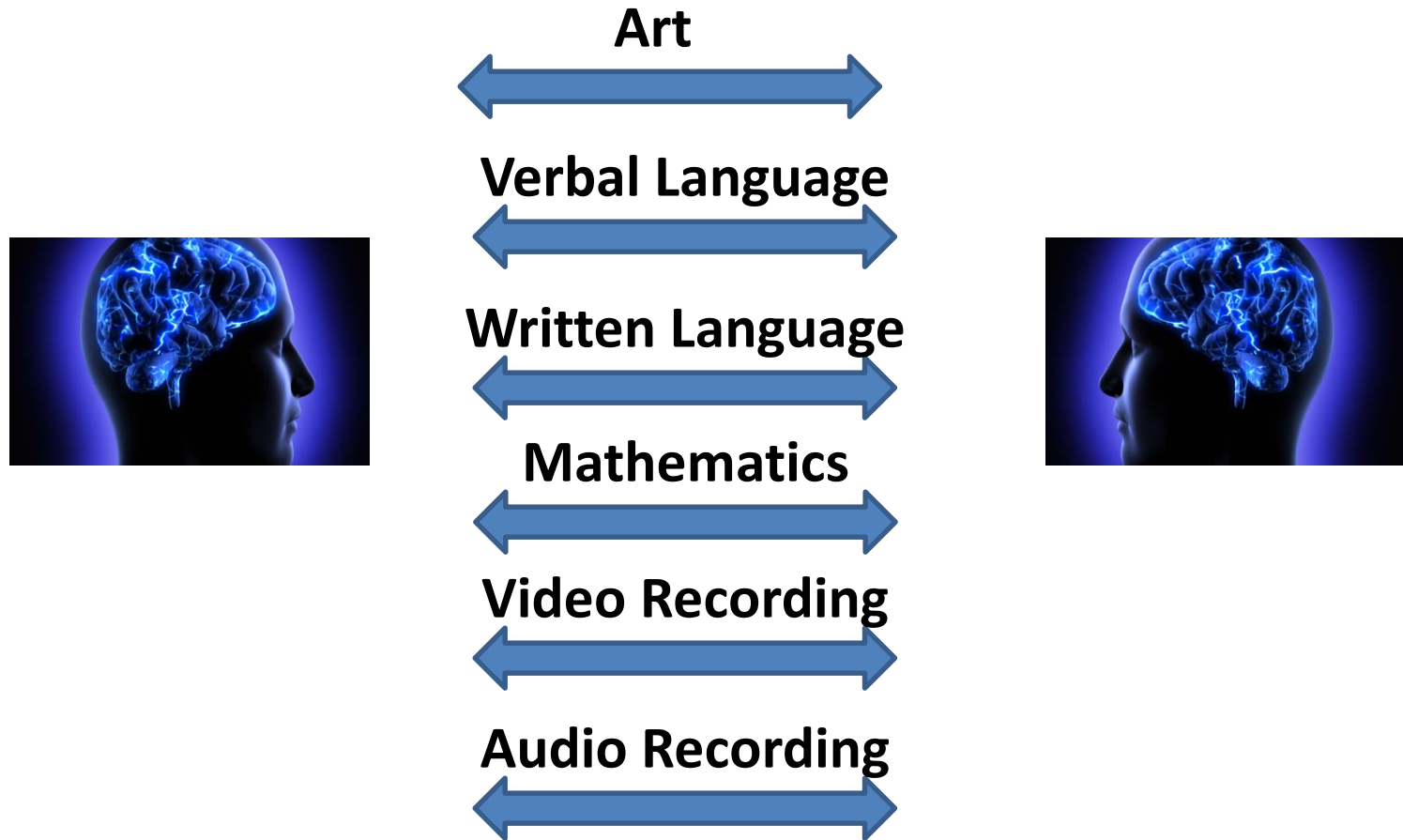


The Concept of Movement (in Mind)



The Human Revolution - Communications

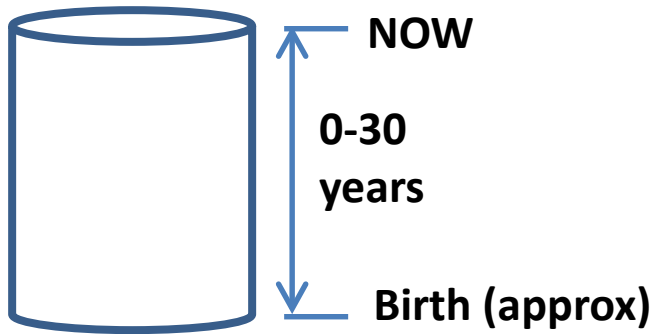
Exchanging Memories between our Brains by Shaping Reality beyond our Brains



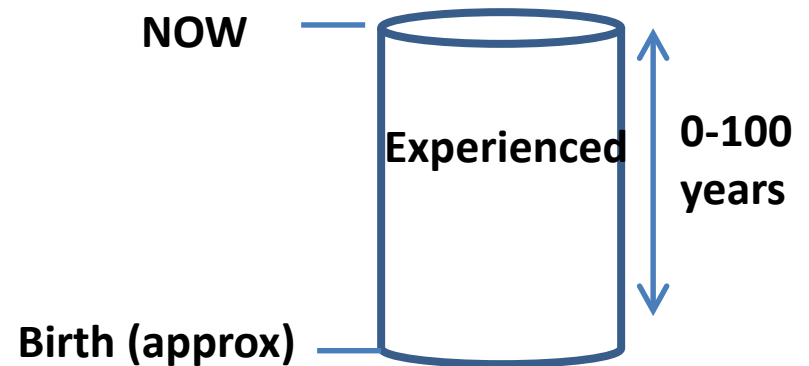
The Human Revolution - Communications

The Power of Language to Extend Past and Future Memories

Caveman Past (Experience Only)



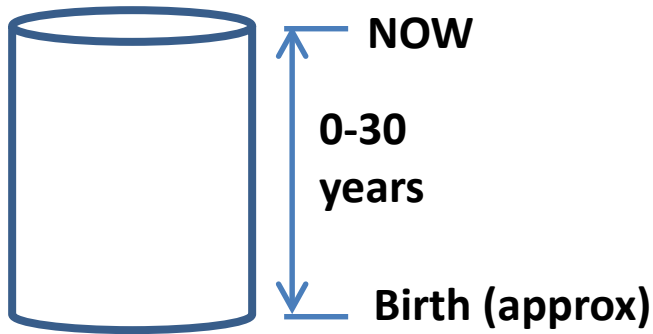
Modern Human Past (Communicated and Projected Past)



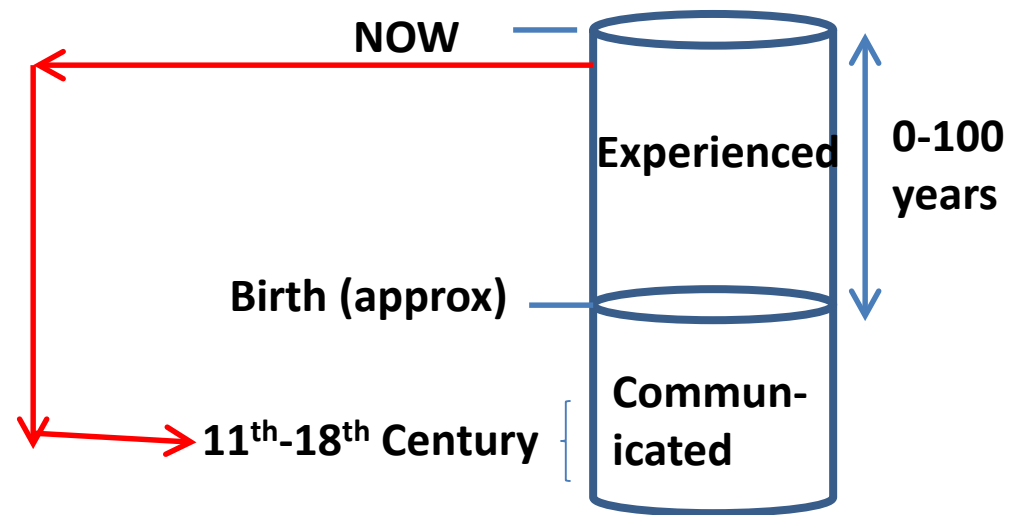
The Human Revolution - Communications

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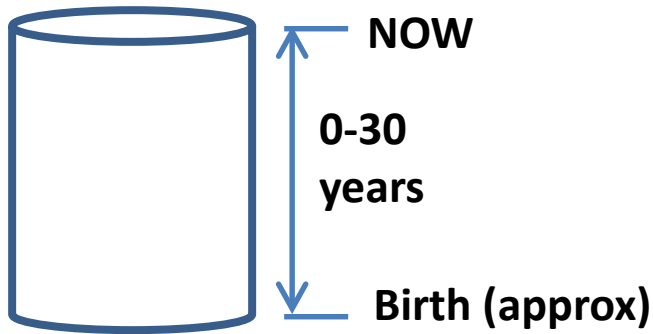
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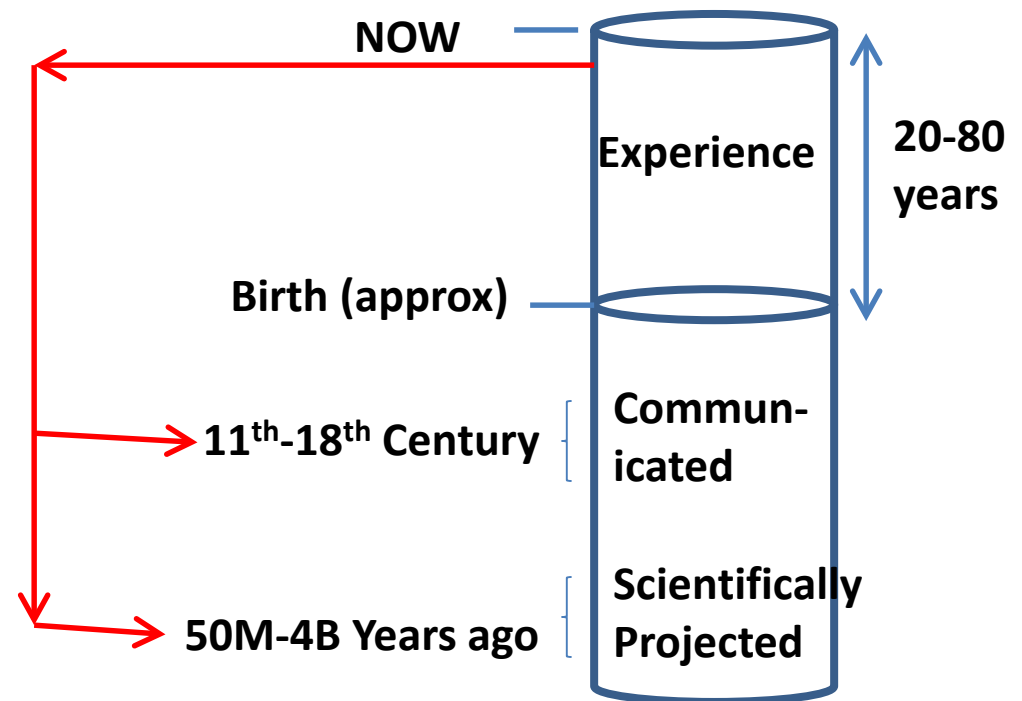
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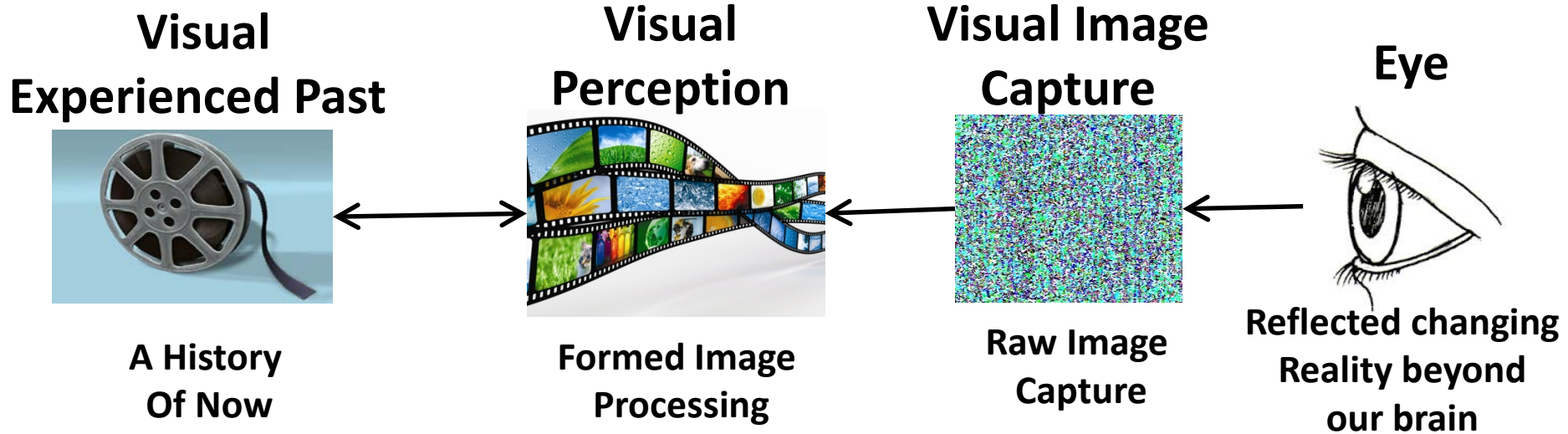


Modern Human Past (Communicated and Projected Past)



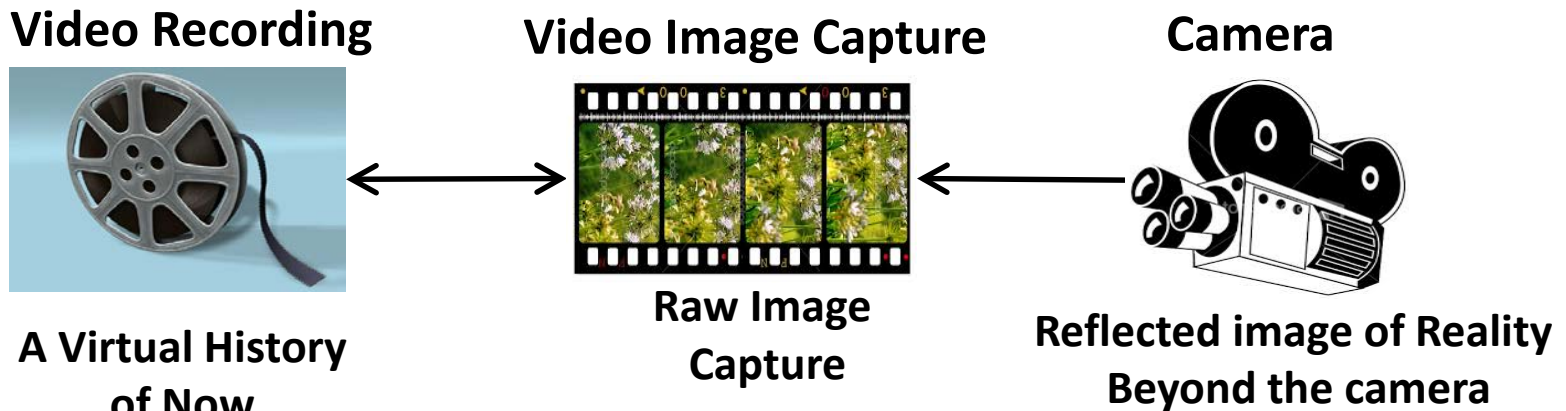
The Human Revolution - Communications

Audio and Video Recordings



Process of creating Visual Experienced Past in Mind

Process of creating Video Recording in Reality



Our Memory Measurement Systems

- Three Main Measurement Systems of
 - Our memories of objective reality beyond the brain (DISTANCE)
 - Our memories of felt subjective emotions within the brain (MONEY)
 - Our past and future memories themselves (TIME)

Note – they and all relative measurement systems

Measuring our memories of Objective Reality

DISTANCE

- Ruler as reference of Objective length
- Build in Objective Reality relative to Ruler
X, Y and Z fully describe



Measuring our memories of Subjective Reality

MONEY

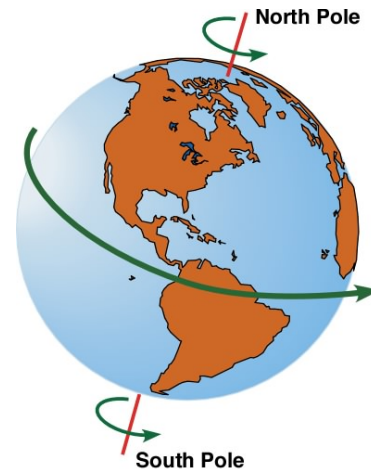
- Create money markets for Products and Services we Value, and the labor to create them.
- We Earn Money when we create them and spend money when we consume them



Measuring our Past and Future memories

TIME

- Create a common reference objective memory of now – angle of earth on its axis (a day) and angle of Earth to axis of Sun (a year)
- Associate all other past and future memories with this reference for recording, remembering, sharing and comparing



May 1994



**Oct 27th 2013
11AM**

The Scientific Implications

- All of the sciences of actually the sciences of our objective past and future memories
- The only “scientific observer” is a conscious human mind. Scientific apparatus cannot be an observer, only a store of virtual recorded past.
- Particle physics comes closest to exploring and understanding the nature of reality itself
- Regarding the “Field Model” versus “Material Model” of Reality, perhaps reality is only vibrating changing fields, and perhaps only we as conscious selves observe material forms and movement as our experience of now and as our past and future memories of it
- I believe Einstein’s theories work fine in a 3 dimensional field model of reality – one must integrate time into the frequency domain however

The Ethical Implications

- **Social Justice, Economics, Government, Law**, exist within our worlds in mind, in our brains. We use them to self organize, create shared pasts and plan shared futures. Who governs them and defines their rules and enforces their compliance, to a large extent dictates the morality and ethical compass of our individual and shared worlds
- **The environment** exists in the this 3 dimensional changing reality beyond our minds and their brains, and contains and supports our minds and our brains. It is Primary.

“Our Worlds and their Philosophies”

- Shakespeare, Hamlet

“There are more things in heaven and earth, Horatio, Than are dreamt of in your philosophy”.

- Squibbs, Hamlet Re-visited

“There are more things in reality, Horatio, than heaven, or Earth, or any memory we can imagine and dream of within our worlds and their philosophies. Because in truth, Horatio, our philosophies are but one small part of one small brain, contained in an unknown and unknowing reality, quite literally beyond our imagination.”

References

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