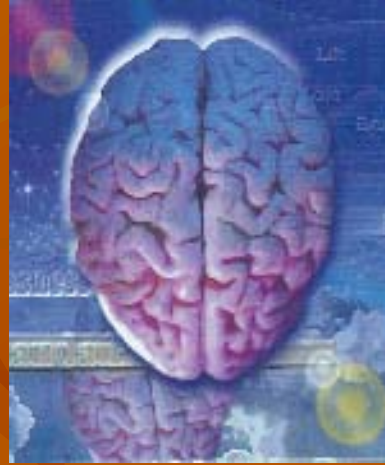


Setting the Agenda for Science of Information



***THE TWENTIETH CONFERENCE ON
TOWARD A SCIENCE OF CONSCIOUSNESS
DAYALBAGH EDUCATIONAL INSTITUTE, AGRA
(March 3 – March 9, 2013)***

DOI: [10.13140/RG.2.2.13156.99200](https://doi.org/10.13140/RG.2.2.13156.99200)



**Dr. A. K. Mukhopadhyay, M.D.
All India Institute of Medical Sciences, New Delhi**

Science:

Deals with Nature

Spirituality:

Deals with *nature*
of consciousness

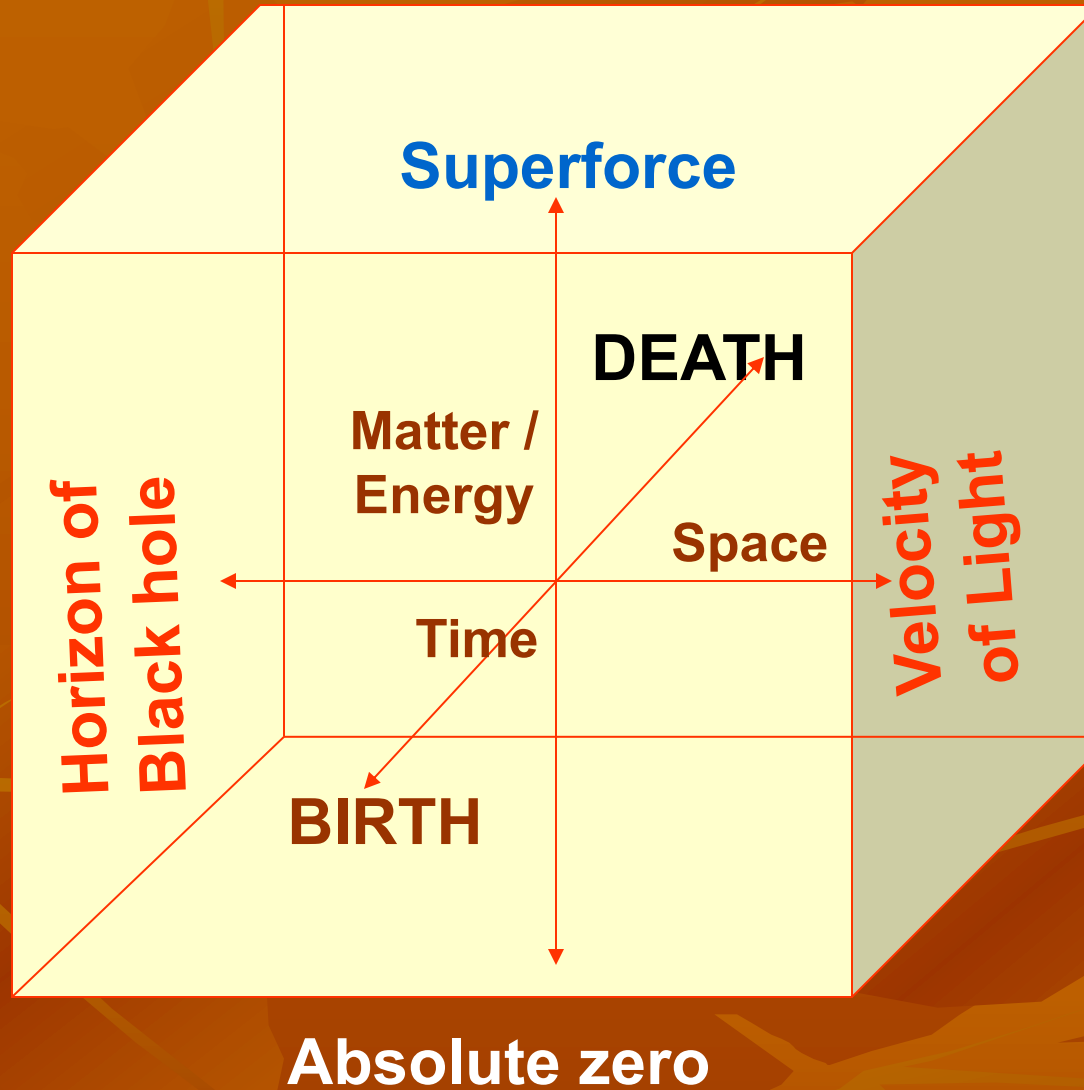
Mysticism:

Engagement with
consciousness

Science at present stage deals with only Local Players

1. Matter
2. Energy
3. Space
4. Time
5. Information (at local level)

The Closed Box of Science in Present phase



Ref: Heaston, R.J. (2003). *Journal of New Energy*, 7 (3), pp. 32-37.

*Where is Information
in the scheme?*

Any new information is supposed to be
the language
consciousness speaks

Non local Science

Consciousness

Self

Mind

Life-principle

Information

Energy

Matter

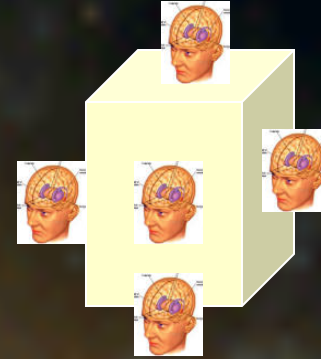
Time

Space

Local Science

Communication between inside and outside box

1. Consciousness stuff (?)
2. Interstitial particle (?)
3. Subtle energy (?) (William Tiller)
4. Suggestion from De Broglie's 'pilot waves' associated around each particle.
The Velocity of individual oscillation in pilot wave is $\gg c$
5. Communication between Electromagnetic radiation and
Magnetoelectric radiation. Communication between
electron and 'magnon'
6. ? Deltron particle in Simulator Model of William Tiller
7. In order to strengthen the mainstream science, it would
be preferable to call it **information**



What is Information?

1. The unit of communication
2. Information is that which reduces uncertainty (Shannon)
3. Unlike Consciousness, Information could be an Entity.

Its location, content and context are addressable

4. Unlike any other known entity, Information could be independent of Energy Matter and measurable Space, Time



The Assumption

The Assumption

Accepting the subtlety of information and its distinctness from energy, the research agenda can be build up on an *assumption* that information has an existence, independent of matter/energy and space time, which is in nature beyond Planck's scale!



Review of Literature

David Bohm distinguishes matter from mind only on the basis of explicate and implicate order! His Quantum Potential includes information!

Information is expected to be integral of d'Espagnat's `Ultimate Reality' which is independent of, and posterior to mind-matter distinction. Why not information could also be traced to *unus mundus* of Carl Jung?

Since 1990, following John A. Wheeler's persuasive argument to learn about the world by looking at it in term of information, effort has been made to find out the underlying relationship between quantum mechanics and information.

On its 125th anniversary, July 1st, 2005 issue of *Science* highlighted several questions for which we do not have any answer. One such important question is, "Do deeper Principles underlie quantum uncertainty and nonlocality?"

The subtlety of information has been recognized by Hawking and Penrose from the fact that information can pass through black hole, while light cannot!

Recently David Chalmers has pointed out information might be relevant in assessing the level of reality which is more fundamental to both mind and matter.

Multi-Revolution Theory



Revolution on
Matter side



Revolution to join
the both



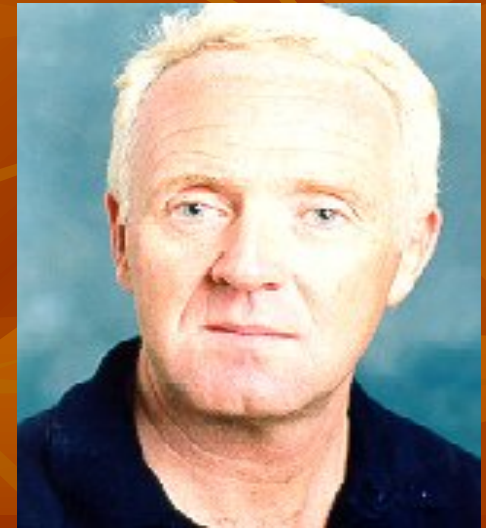
Revolution on
Mind side



Michael Lockhood

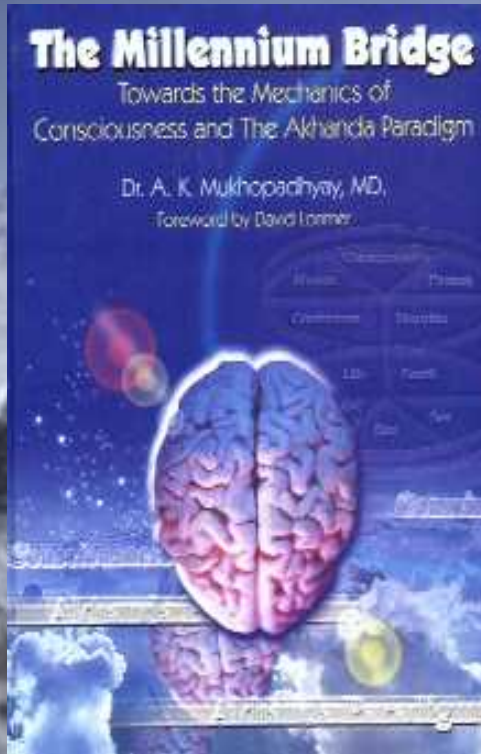


Roger Penrose



Colin McGinn

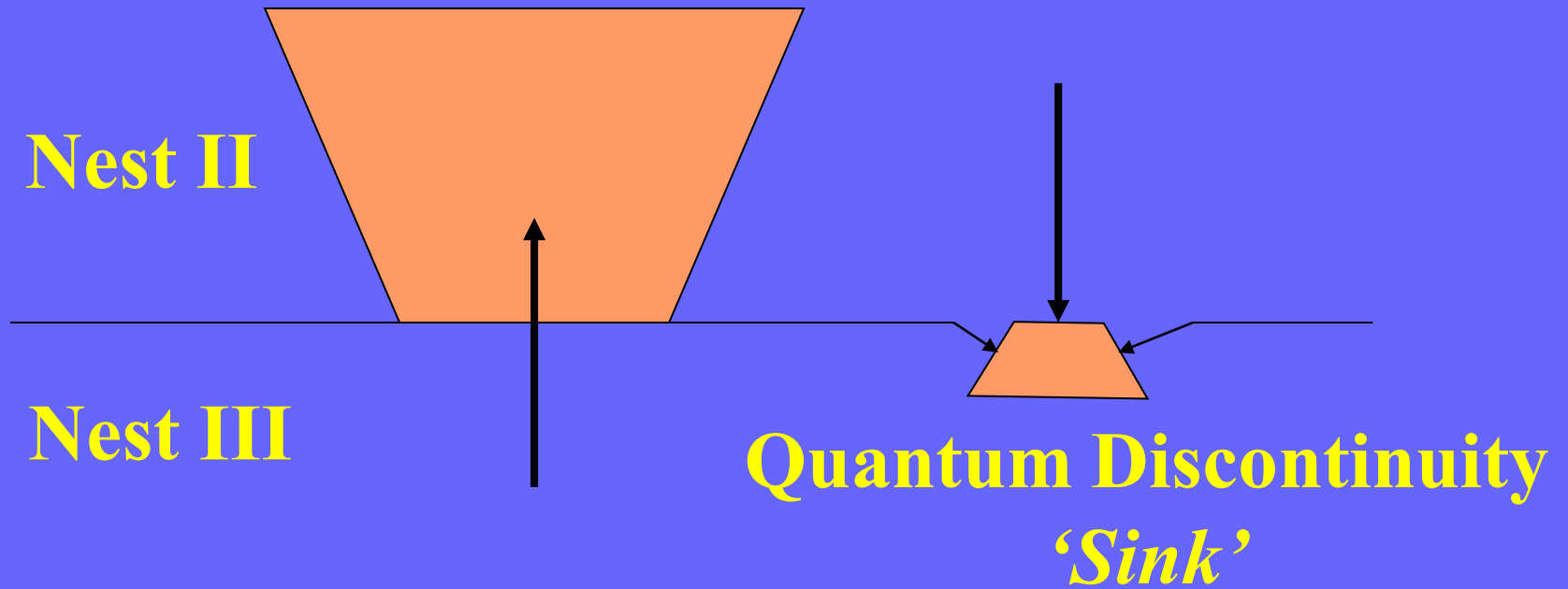
Information



Quantum Mechanics is the Mount Everest of Material Science

**No height to scale further except
Exploring Information!**

Quantum Void
'Fountainhead'



The 'Sink' and 'Fountainhead' of Quantum Plane

Pentaune (Five in One) Model of Nature- Consciousness

Nest I Classical domain of Nature

Nest II Quantum domain of Nature

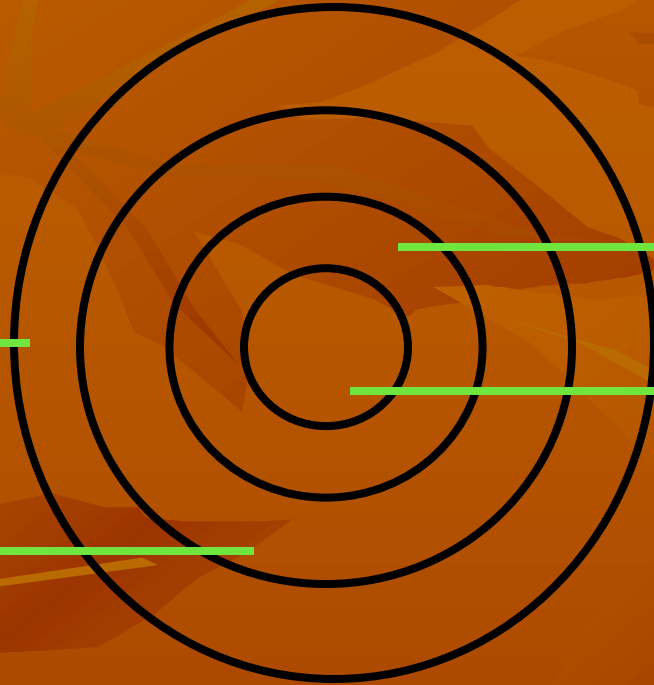
Nest III Sub-Quantum domain

Nest IV Mother Nature

Nest V Unconditional Consc.

Spiral Model of Nature's Five Nests

Classical Nature (I)



Mother Nature (IV)



Quantum Nature (II)



**Unconditional
Consciousness (V)**



**Elementary
Terrain (III)**



Basis of this Proposition

Perceived uncertainty
in describing
observer-dependent Reality



**CERTITUDE OF
CONSCIOUSNESS**

UNCERTAINTY

**DETERMINISTIC
CLASSICAL WORLD**

**Uncertainty at the
edge of the Universe**

**Uncertainty at the
level of the Black hole**

**Heisenberg's
Uncertainty**

**Uncertainty in
Nest IV**

**Uncertainty in
Nest III**

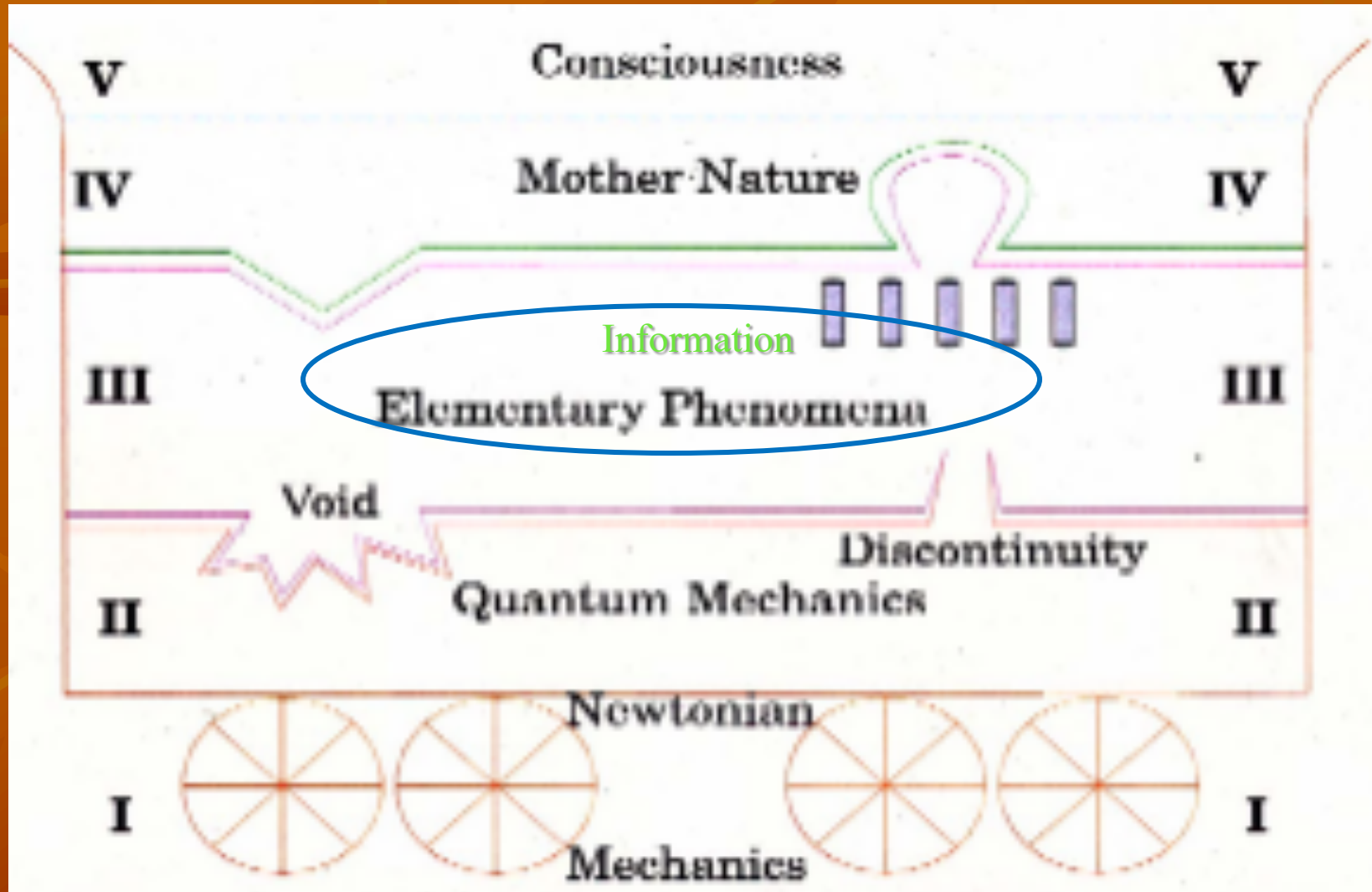
**Uncertainty in
Nest II**

Uncertainty is Measurable

It can also be Perceived, Conceived and Experienced

Pentaune (Five in One) Model of Nature-Consciousness

How 'Free Will' comes on the Wheel!



Millennium Bridge, Fig. 3.2



Bernard J. Baars

Primacy of Information

In the Theatre of
Consciousness:
The workspace of the Mind



“Information is a prime commodity, and when it is used in biological theorizing it is granted a kind of atomistic autonomy as it moves from place to place, is gathered, stored, imprinted, and translated.”

- Oyama, S. (2000), *The Ontogeny of Information*, Duke University Press.



A.J. Leggett

“Quantum Mechanics is the complete and ultimate truth about physical universe....I am inclined to believe that at some point between the atom and the human brain, it (Q.M.) not only may but must break down”. (1986)

“....the linear formalism of standard quantum mechanics may break down at some stage between the level of the atom and that of human consciousness”. (2005)



Gerard 't Hooft

Determinism Beneath Quantum Mechanics

Quo vadis Quantum Mechanics? (2005), pp. 99-111

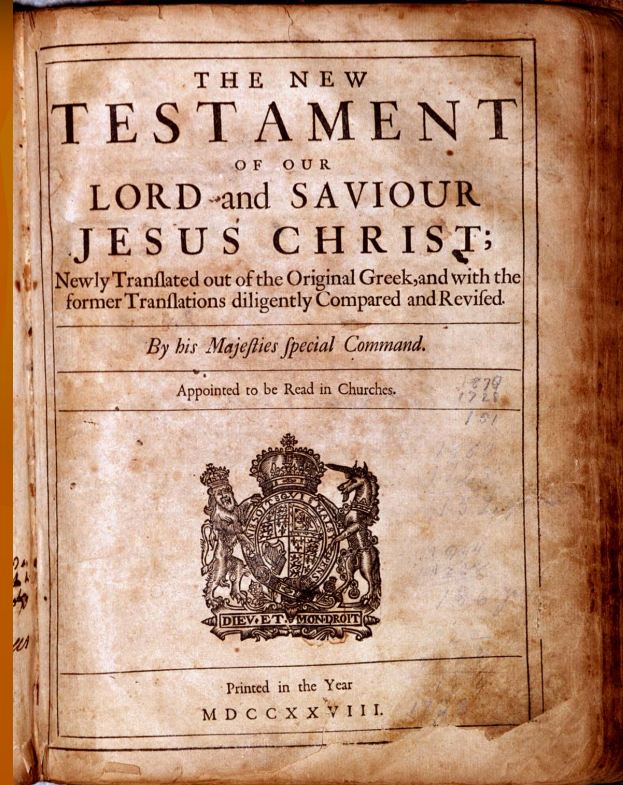


Caslav Brukner



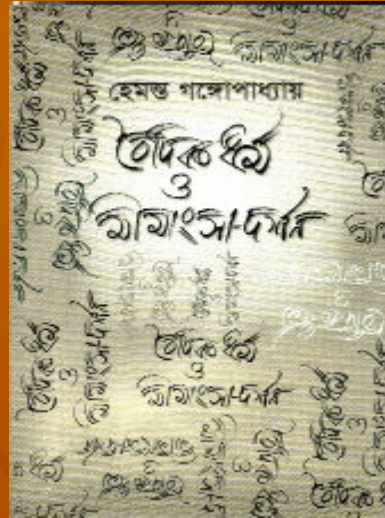
Anton Zeilinger

Quantum Physics as a Science of Information
Quo Vadis Quantum Mechanics? (2005), pp. 47-61



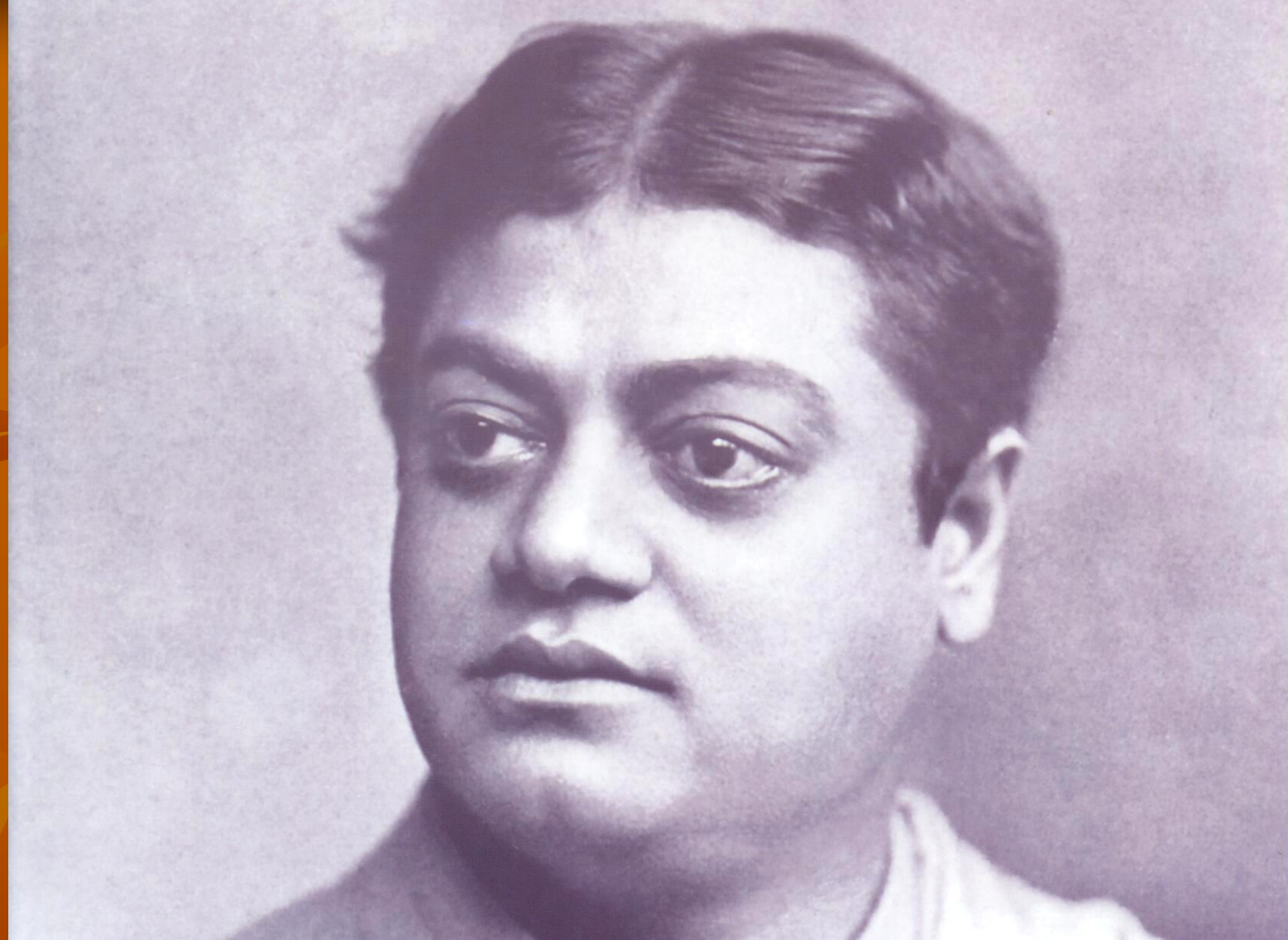
"In the beginning was the **Word**,
and the **Word** was with God,
and the **Word** was God."

New Testament, John 1:1



In *Mimamsa*, one out of six Philosophical schools prevalent in *Darshan*, it has been said that matter has come out of Information.

{*Padartha* = *Pada* (word) + *Artha* (matter)}



I am a Voice
without a Form

... thoughts of Swami Vivekananda

A Radical View of Information On its Nature and Science

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Abstract

This paper focuses on a possible fundamental nature and character of information. It develops arguments on the primacy of information in the context of its relationship with space, time and energy, self, memes and genes. For investigating these relationships seven tentative postulates have been made which merit further deliberation. Information-split phenomenon may be the connection between science confined to locality and science of nonlocal domain.

The Background

If one browses through internet, using key phrase like 'what is information', one comes across numerous websites, which work with definition of information limited to message, signal, code, data, facts, text, instruction, lore, symbols, concept, construct, knowledge, wisdom etc. This paper takes the view that almost all of these are nothing but space time construct of information and the information itself is something else!

It may be said that the message in this paper is nothing but a moving space time construct of information author's mind has been processing. During the act of reading the article, this moving space time construct stimulates reader's mind to catch and fix the same information. If there is concurrence, the paper becomes understandable. If otherwise, the paper is rejected as 'not sensible'.

The notion that information is inextricably related to mind could be traced to the time of Greek

Philosophers Socrates, Plato and Aristotle. This could also be noted across the religious sects particularly in their respective mystical traditions; the oldest document of such scriptures is Upanishad.

The science of information, however, in its present form is positivistic and accommodates only the measurable component of information. The notion was formalised since Claude E. Shannon's classic paper, *A Mathematical theory of communication* appeared in *Bell system Technical Journal* in 1948. The Information Theory is based on probability theory and statistics. Quantification of information is used in entropy, in random variable and the amount of information in common between two random variables. One of the most important and direct application of information theory is coding theory. The same measurable component of information is now being harnessed in quantum information theory.

The hard core physicists, information scientists and mathematicians, although, do not acknowledge any trace of subjectivity in science, the fact that information has a subjective and an objective/measurable facets, has been acknowledged recently in the works of scientists like David Bohm (in his ontological interpretation of quantum mechanics)¹, Robert Jahn^{2,3}, Basel Hiley⁴ and cognitive scientists like Bernard J. Baars (in his *Global Workspace Theory*)⁵ and Johnjoe McFadden (in his *Conscious electromagnetic field theory*)⁶, to name some prominent few.

That 'self' can handle information has been noted by modern phenomenologists, many amongst them consider that the mechanism in both subjective and objective phenomenology is directed by information. The issue of 'View from within, First-person approaches to the study of Consciousness' has been dealt in depth in two joint issues⁷ of *Journal of Consciousness Studies*. That amplification of phenomenal information could be a mechanism towards conscious experience has been articulated⁸ by Liane Gabora.

Common sense experience tells us that information can not be generated by inanimate objects which at best can store, or activate information. Information is generated by a living entity and metaphysically this generation of information is linked with operation of *life-principle*. In a recently published essay, A. Grandpierre concludes, "living organisms have access to an inexhaustible source of information, universally, in the same manner as the physical objects have an access to information content present in the Hamilton principle or to the action principle."... "Universally available information source is the life-principle."⁹

Information, although, seems to be more powerful than energy in various live situations, its distinct relation with energy is yet to be settled in what we call 'hard science'. The question how information is related to energy has bothered¹⁰ numerous front runner scientists from the time of James Clerk Maxwell and there is no answer yet



“Life’s origin may only be explained through a study of its unique management of information. ... Our work suggests that the answer will come from taking information seriously as a physical agency, with its own dynamics and causal relationships existing alongside those of the matter that embodies it.”

- Paul Davies

in *The Guardian*, 13 Jan, 2013

God Particle to Consciousness: Life-science, Neuroscience and Nonlocal Science Hold the Key

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Abstract

The scientists are nearer to God Particle. How far the 'God' of science, meant Consciousness, is from God Particle? The speculative response to this relevant question has given birth to this paper. From Higgs-Boson, the Mother Matter, to consciousness we have several milestones to understand. e.g. dark matter, dark energy, their source and a big picture of information. Does all this have anything to do with the occasion of origin of life-form? Does it have any repercussion on cell biology, neuroscience and human behavior? A preliminary sketch has been developed in the course of this paper and a time frame has been stated as required for rationalization of consciousness by the mind of Homo sapiens.

1. God Particle

At the CERN Laboratory on Fourth of July, 2012, the scientists came nearer to the origin of matter with four point nine-sigma certainty. "We have observed a new boson with a mass of 125.3 ± 0.6 GeV at 4.9 sigma significance." The wave length of the field of Higgs-Boson is non-zero vacuum. The assumption is that any wave/energy when comes under its field, practically in contact with it, acquires mass and therefore gains stability. It would be true even for neutrino which otherwise is without mass. How they acquire mass or why they acquire mass cannot be explained at this stage. However, Higgs-Boson seems to be the starting point of acquisition of mass. Following this, what is left to be known for the scientists is how



Information Holograph The Structure, the Source and its Operation

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ABSTRACT

Does the Whole communicate with trillions and trillions of miniature wholes? If so, it is how and why? These questions have given birth to this conceptual paper where First person's experiential realm has been expressed in Third Person's perspectives. The construction is expected to be compelling to those who are familiar with the limits of present science, affirmatively looking forward to extending science beyond Planck's scale and beyond the boundary of the defined system and are seriously interested in investigation of the Source-field in whatever name one might call it. The central theme of the paper is Information Holograph by means of which the nonlocal and local players remain connected in the cosmos. The paper proposes a structural geometry of information in both inactive and active states and suggests that information could be vehicled by information-carrying, 'be-able' quantum particle/wave across ZPE fields. The paper draws a distinction between Quantum Hologram and Information Hologram and also between quantum entanglement and information entanglement. The emphasis is on an extraordinary constellation of neutrino, photon, phonon and conformon with self/consciousness at the center. Neutrinos have been discussed in the context of healing. The ultimate Source for science has been suggested, for the present state of human intelligence, to be the Source of the multiverse, the *Essence of The Multiversity* (EM), of which ZPE is an outside-in picture $\{ZPE \propto EM\}$ across the boundary of the universe.

Key Words: Information Holograph, Z.P.E., Source of Multiverse, Constellation of Neutrino, Photon, Phonon and Conformon around consciousness/self.

INTRODUCTION

Philosophy is said to be the Mother of all Sciences. Then why there is no progress of science beyond Relativity and Quantum Physics? Are we going through also a downturn of philosophical ideas? Or, has there been dearth of philosophers who can formulate research questions and research hypotheses for further development of science? However, the idea that everything has been created from the void as propounded in the basic tenet of Buddhist's philosophy and the scientific idea of Z.P.E. fields as the Source field have found concurrence at present. It has escaped notice of many of us that in the Pyramid Texts from Egypt (about 2000 BC), it is stated that real sensory world is an appearance, an emanation from a hidden realm beyond nothingness/void/death. There are ancient Indian Philosophy in Vedas and Upanishads where the human thoughts have gone beyond this void. In the opening invocation prefaced to *Isha Upanishad* of *Rig Veda*, an ancient literature which had been systematically documented by evolved mankind more than 3000 years before the arrival of Christ on this earth, one can find this *shloka*.

*“Om Purnamadah Purnamidam
 Puurmaat-Purnam-Udachyate
 Purnashya Purnam-Aadacya
 Purnam-Eva-Avashisyate”*

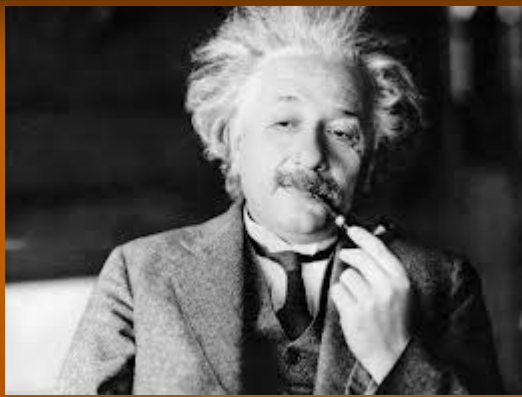
In brief, it means that the whole remains always whole. One can take away any number of bits from the whole, it remains always whole and the bit is also whole!

Note that the bit is not part or unit of the whole. The bit is also whole! This offers the underlying philosophy of a hologram.

The question is what constitutes this revered whole? We are familiar with frequently used phrase like 'holistic' vision, 'holistic' health, 'holistic' living and 'holistic' science etc. In 1980s British physicist David Bohm first brought the concept of holography in physics [1]. Ken Wilber from United States edited the book on holographic paradigm where one can see neuroscientist Karl Pribram's pronouncement, "The brain is a hologram interpreting a holographic universe". With Bohm's, "It is not static. It is all holoflux" [2]. Recently the scientists working on memory have started accepting the view that memory storage inside the brain might have been done in a holographic manner. Scientists working on near-death experience have reported from their subjects/patients that many of them during the occasion of encountering death, at the end of the long dark tunnel had undergone a holographic review of the event history of life. Dennis Gabor was awarded a Nobel Prize in Physics in the year 1971 for his work on physical holography of lenseless photography where any minute piece from the photograph can be enlarged to whole. Recently with femto second lasers it is possible to make a holograph of the whole head with a single flash! Another illustrious example is Michael Talbot's work in this direction [3]. Mexican neuroscientist Grinberg-Zylberbaum is of the opinion that consciousness transfer between entrained brains occur through a *pre-space structure* in a nonlocal holographic way [4]. Walter Schempp [5] from the University of Siegen, Germany and Peter J. Marcer [6], Chairman Cybernetics Machine Specialist Group, UK., have developed the model of Quantum Hologram, "a quantum entangled nonlocal information structure emitted by all matters", an information mechanism in

The methodology is based on

1. Imagination
2. Intuition
3. Speculation
4. Constructive logic



“I believe in intuition and inspiration. Imagination is more important than knowledge. For knowledge is limited, whereas imagination embraces the entire world, stimulating progress, giving birth to evolution. It is strictly speaking, a real factor in scientific research.”

- *Albert Einstein*

Objective of this presentation

1. To share my thoughts and constructions
2. To stimulate great minds in the desired direction
3. In the process, to make a new beginning

The Agenda for the Science of Information could be set up on

- 1. Structure / Geometry of Information**
- 2. Tour of Information**
- 3. Mechanics / Dynamics of Information**
- 4. Relationship / Equation with Other entities**

What could be the Structure of Information?

God geometrizes,
-Aristotle

Objective Pole

Information is Bipolar



Subjective Pole

“Information is that which reduces Uncertainty” - Shannon

Objective uncertainty & Subjective uncertainty

Perceived, Conceived, Experienced Uncertainty could be alleviated by appropriate input of information

Information

1. Signal aspect
2. Symbolic aspect

“....Signals and symbols belong to two different universe of discourse: a signal is a part of the physical world of being; a symbol is a part of human world of meaning. Signals are ‘operators’; symbols are ‘designators’.....”

E. Cassirer (1994)

An Essay on Man

An Introduction to the Philosophy of Human Culture, Yale University Press, p. 32



Information Manifold

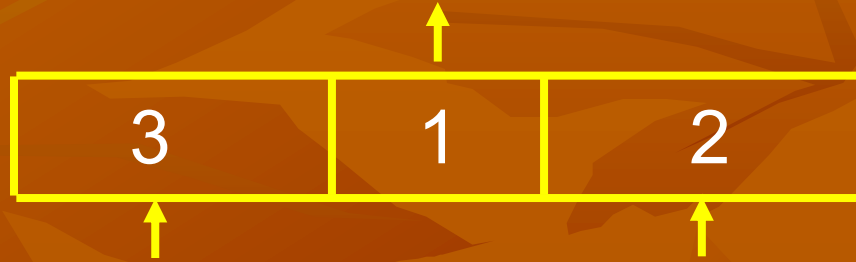


Not-always-active Information



Active Information

Responsible for *qualia of intent*



Responsible for the alleviation of the *sense of uncertainty*

Responsible for *qualia of 'form' and movement*

Three folia of Information

Interacts with

Results in

In the domain of

1. Measurable
folium

Matter

Uncertainty
reduction

Material
science

2. Content
folium

Mind

Delivery of
form and
energy

Psychological
science

3. Intent
folium

Self

Intentionality
causality
purpose

Science for
consciousness



**Interacts
with
Physical
world**

Measurable-Folium

Information

Intent-Folium

Content-Folium

**Interacts
with Self**

**Interacts
with Mental
World**



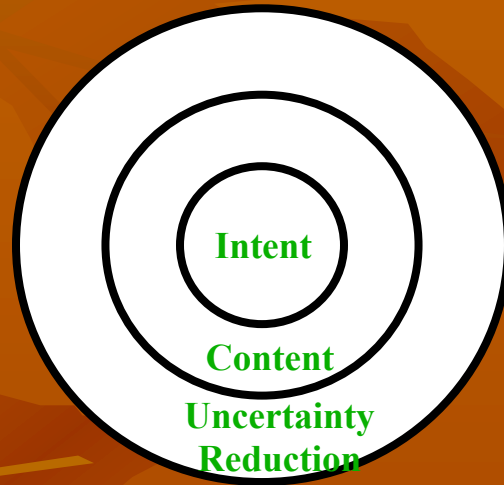
Intent aspect

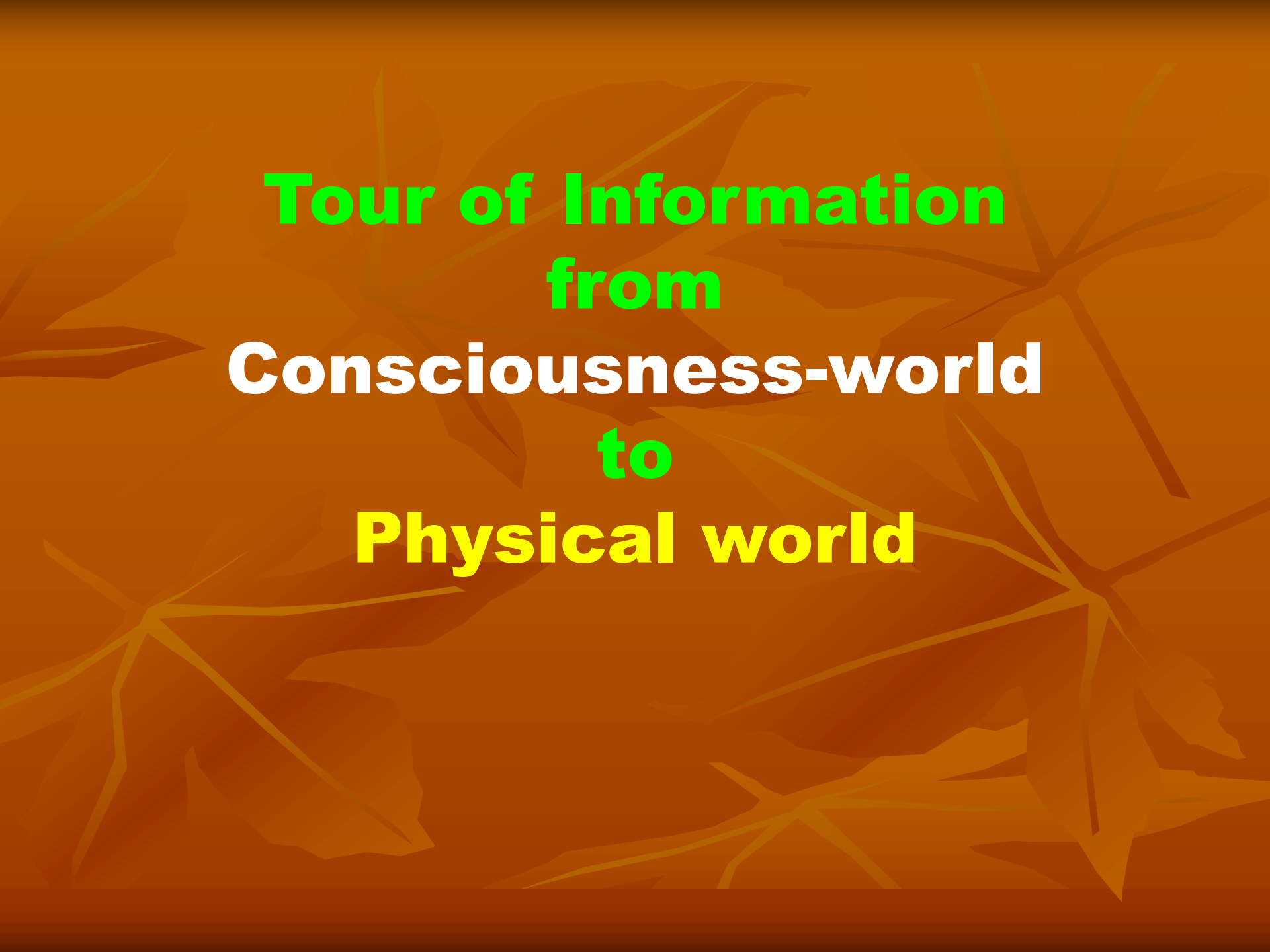
Measureable
aspect

Content aspect

BAEL LEAF

Alternate Geometry of Information is that of a Spiral





**Tour of Information
from
Consciousness-world
to
Physical world**

**Sub-sub- quantum Nest
Nest IV**

Information

Sub quantum Nest

**Information has its own
Dynamics**

Nest III

Planck's Scale

Quantum Particles

Quantum Nest

**Information on Quantum
particles explain
Q. puzzles / Q. paradoxes**

**Information looses
ability to drive home
its message**

**Information retains
ability to drive home
its message**

Changeable

Be-able

Quantum-Classical Transition

Classical Nest

Information

**Sub quantum Nest
Nest III**

Planck's Scale

Quantum Particles

**Information loses ability to
drive home its message**

**Information retains ability to
drive home its message**

Nest II

Changeable

Be-able

**Quantum-Classical
Transition**

Information on Classical vehicle

Nest I

Non-informational Molecule

Informational Molecule

Cholesterol, Glucose, Albumin etc.

Inorganic

Organic Molecule

Silicon

Carbon

DNA, RNA, Enzymes

Information Loss

Information

Planck's Scale

Quantum Particles

Information loses ability to drive home its message

Information retains ability to drive home its message

Changeable

Be-able

Quantum-Classical Transition

Information on Classical vehicle

Non-informational Molecule
Cholesterol, Sugar

Informational Molecule

Inorganic
Silicon

Organic Molecule
DNA, RNA, Enzymes

Information Loss I
(1st break in causality chain)

Information Loss II
(2nd break in causality chain)

Information Loss III
(3rd break in causality chain)

Information Loss IV
(4th break in causality chain)

What does Information do?

**Development of Science of
Information is related to
unraveling of its
dynamics/mechanics**

**The mechanics
played by Information
could be called
Information Mechanics**

Determinants of Information Mechanics

1. Location of Information
2. Content of Information
3. Contextual Set-up
4. Information Propensity / gradient
5. The system in which information works

Information Mechanics & Quantum Mechanics

- 1. The behavior of the quantum particle as we observe is because of information therein.**
- 2. A number of quantum paradoxes could be explained if we consider the role of information in it.**
- 3. Although to a large extent left independent, quantum mechanics is eventually governed by Information Mechanics.**

Information Entanglement

Connects matter, mind and self

More elaborate and really multi-dimensional

More proximate to consciousness

As it connects mind, matter and self, so it can connect different objects, different subjects and objects with the subjects

Quantum Entanglement

Connects to all in the nest of nature which obeys laws of Quantum Mechanics

Elaborate in material plane

Farther from Consciousness, mind or self

As it connects only matter at quantum level, so it connects only objects. It cannot connect objects with subjects or different subjects

Information Dynamics

1. **Mechanics of waiting**
2. **Mechanics of opportunism**
3. **Mechanics of causal execution**
4. **Mechanics of creative emergence**
5. **Mechanics of new creation**

**Any Equation?
or
Relationship?**

A dense field of bright pink flowers with white centers, set against a black background. The flowers are in various stages of bloom and are scattered across the entire frame.

Relationship

The Relationship

1. Gene-Information Relationship

2. Meme-Information Relationship

3. Consciousness-Self Relationship

Information

4. Information-Life Relationship

5. Information-SpaceTime Relationship

6. Consciousness-Information Relationship

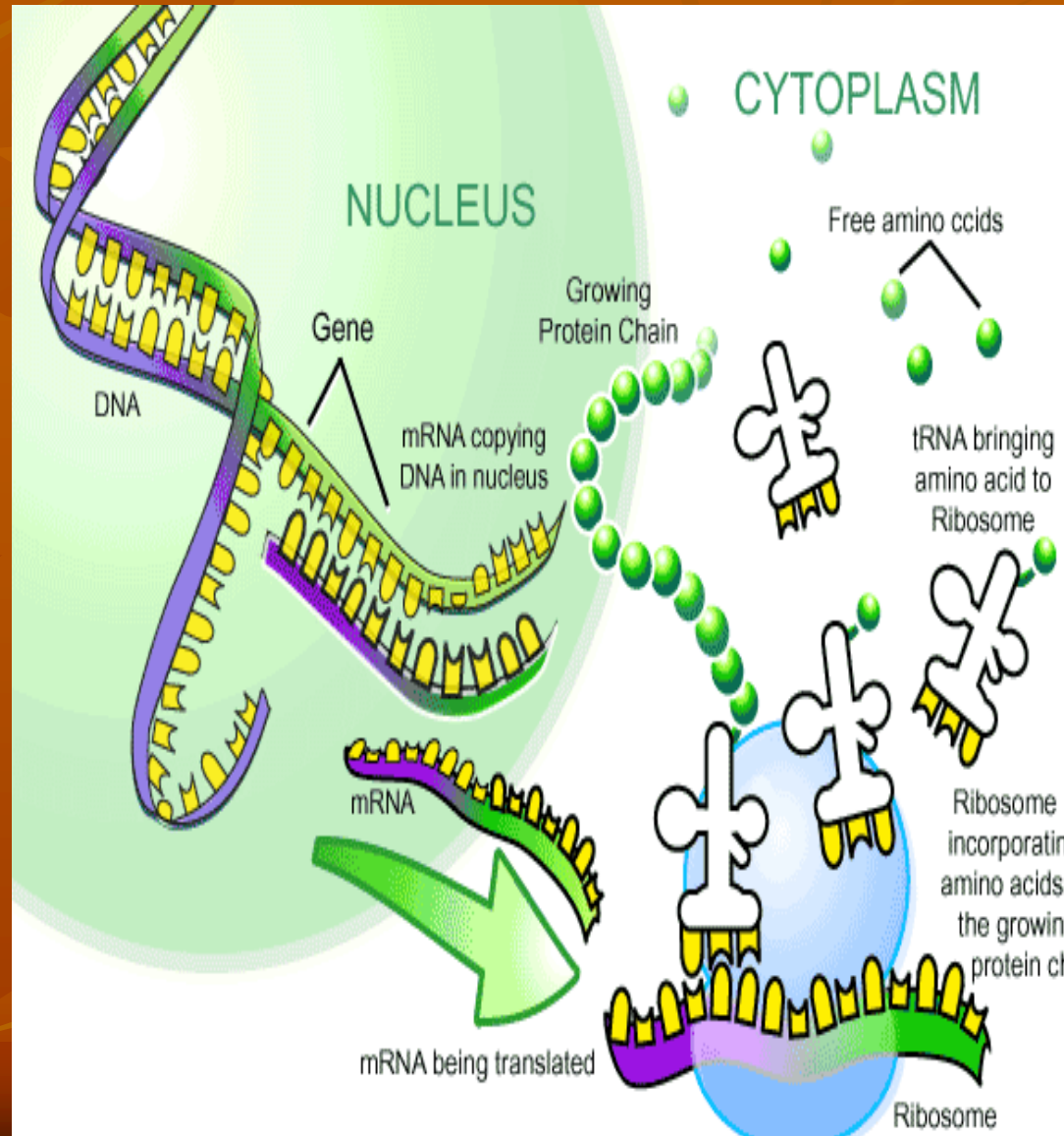


I. Gene – Information Relationship

Gene-Information Relationship

Genes neither generate information, nor it can use information.

Most likely it is Information which uses genes as means to achieve their end.



Evidence

1. Principle of Redundancy in the language of Genes

Enormous number of genes is a sheer wonderment!

2. Organic Evolution is mostly algorithmic but not always a-teleological

In artificial life unit (A-Life), evidence are accumulating to suggest teleology playing a role.

3. Genes exchange information with outside

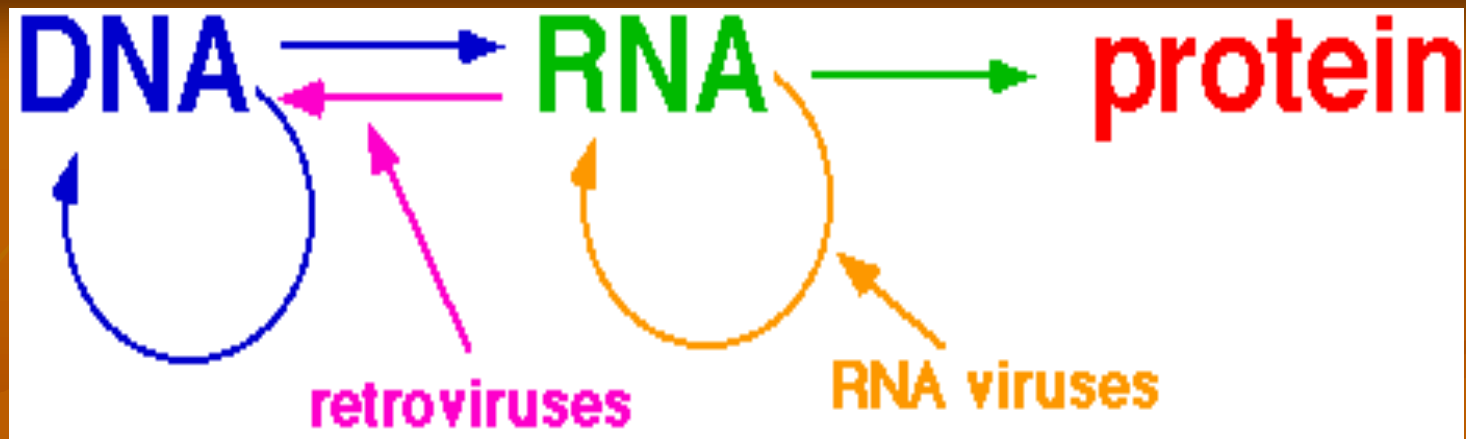
Genes do not contain all information *necessary* and *sufficient* to account for Evolution. Genes are not informationally closed.

4. Gene jumps (Barbara McClintock)

Mobile genetic elements (transposons) reshuffle, re-assort the genome to set it in conformity with the desired information, to set the proper context, to conform to the grammar of the goal of expression.

5. Central dogma of Molecular Biology

Established only following that 'Momentous Transition, the enclosure, encapsulation of *Cosmology* into *Cell Biology*



Dogma Busters

1. Reverse transcriptase (David Baltimore and Howard Temin)

2. Catalytic RNAs (ribozymes).

Proteins are not the only structures capable of catalyzing a reaction.

(i) "self-splicing" Introns (Tom Cech)

(ii) 23S rRNA of the ribosome (Harry Noller).

3. "prion" (proteinaceous infectious particle) (Stanley Prusiner).

“The conclusion seems inescapable that cells are able to sense the presence in their nuclei of ruptured ends of chromosomes and then to activate a mechanism that will bring together and then unite these ends, one with another. And this will occur, regardless of the initial distance in a telophase nucleus that separated the ruptured ends.



The ability of a cell to sense these broken ends, to direct them to each other, and then to unite them so that the union of the two DNA strands is correctly oriented, is a particularly revealing example of the sensitivity of the cells to all that is going on within them.”

- *Barbara McClintock*

II. Meme – Information Relationship

A scenic view of a lake at sunset or sunrise. The sky is a deep blue with some light clouds. The water is a vibrant blue, reflecting the sky and the buildings. In the foreground, there are several large, ornate buildings with spires, likely a church or a government building, reflected in the water. The overall atmosphere is peaceful and serene.

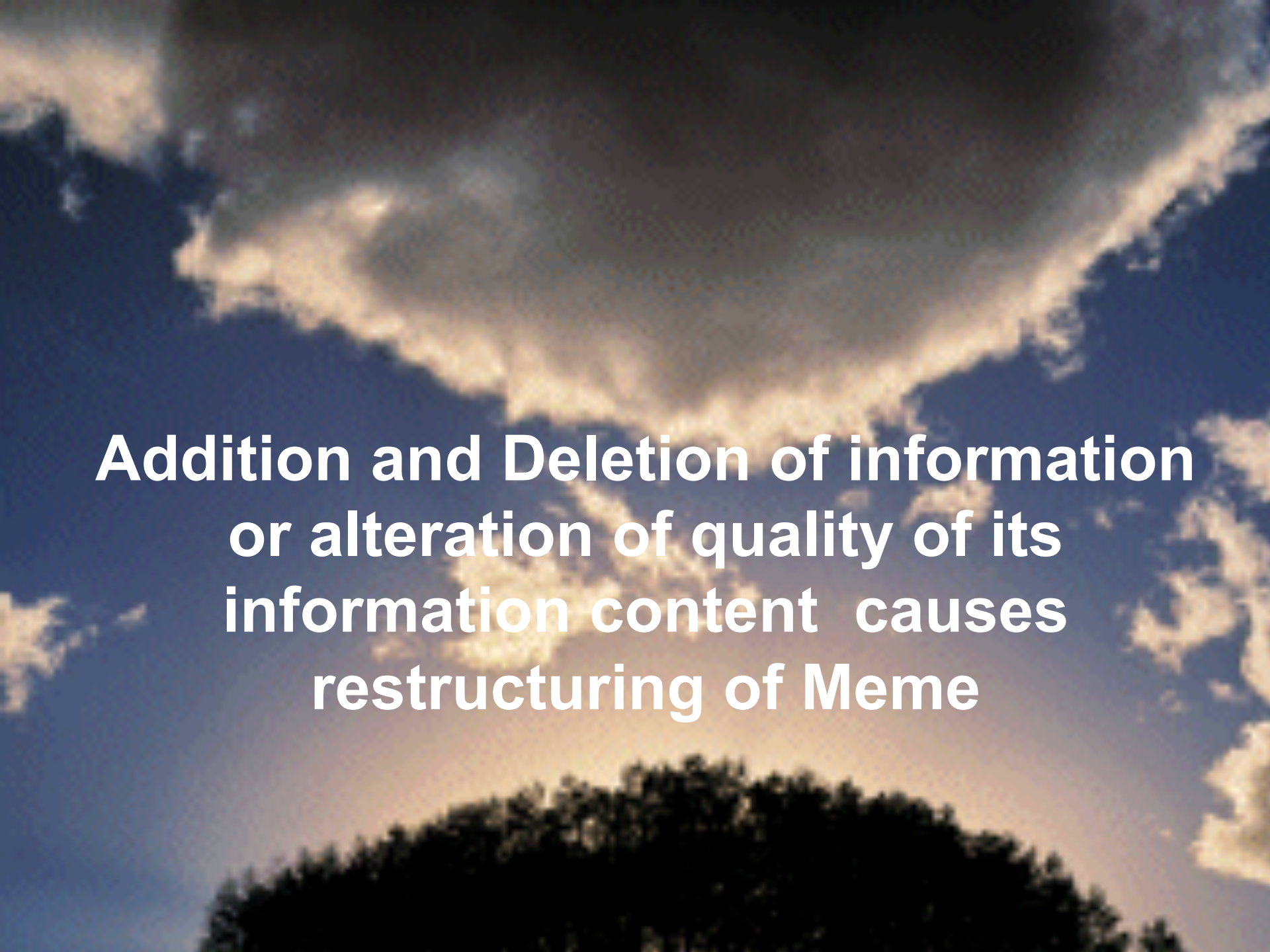


“The new soup is the soup of human culture. We need a name for the new replicator, a noun which conveys the idea of a unit of cultural transmission, or a unit of *imitation*. ‘Mimeme’ comes from a suitable Greek root, but I want a monosyllable that sounds a bit like ‘gene’. I hope my classicist friends will forgive me if I abbreviate mimeme to *meme*.

If it is any consolation, it could alternatively be thought of as being related to ‘memory’, or to the French word *meme*.

It should be pronounced to rhyme with ‘cream’.”

- Richard Dawkins



**Addition and Deletion of information
or alteration of quality of its
information content causes
restructuring of Meme**



III. Information-Self Relationship

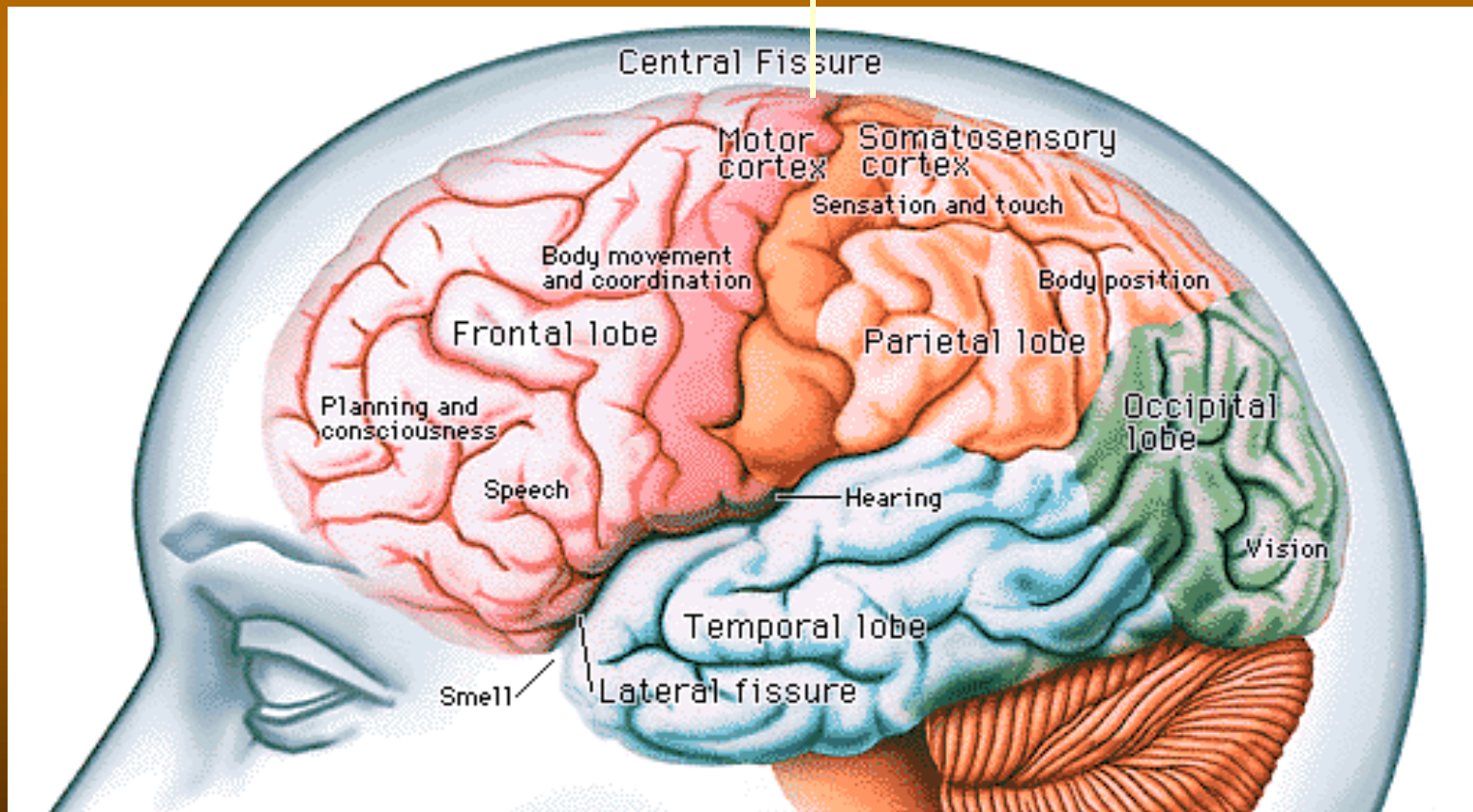
Unconditional Consciousness

Informed

- (i) That it is Indivisible from UC
- (ii) It has to behave within the given constrain
- (iii) It is the 'bridge' between Brain-bound & Brain-independent consciousness.

Self

An emergent from Brain-bound Consciousness





IV. Life-Information Relationship

What is not known about operation of 'life'?

- 1. How organization of life differ from self-organization?**
- 2. How living organism generates information and organizes information?**
- 3. Why development of consciousness is seen only in living organism?**

The background of the slide is a Cosmic Microwave Background (CMB) radiation map, showing a complex pattern of blue, green, and yellow spots against a dark background, representing the early universe's temperature fluctuations.

V. Information – space time Relationship

Destiny of Information

Information

(Latin: *informatio*)
(Noun)

(Greek: *informare*)
(Verb)

IN **FORM** **ATION**

(Prefix)

(Stem)

(Suffix)

(within/into)

forma

(*ito* – action or
process)

(“To put ‘form’ into process”)

Information split

or

Inside becoming out?

Information



Mind



Time

Space

Energy

Mind conceives information and delivers space, time and energy

What the sense organs can understand and deal with are

- (i) form and
- (ii) movement.

Mind breaks non-sensible information into sensible components.

Energy initiates movement while space and time create form.

What could make information's inside out?

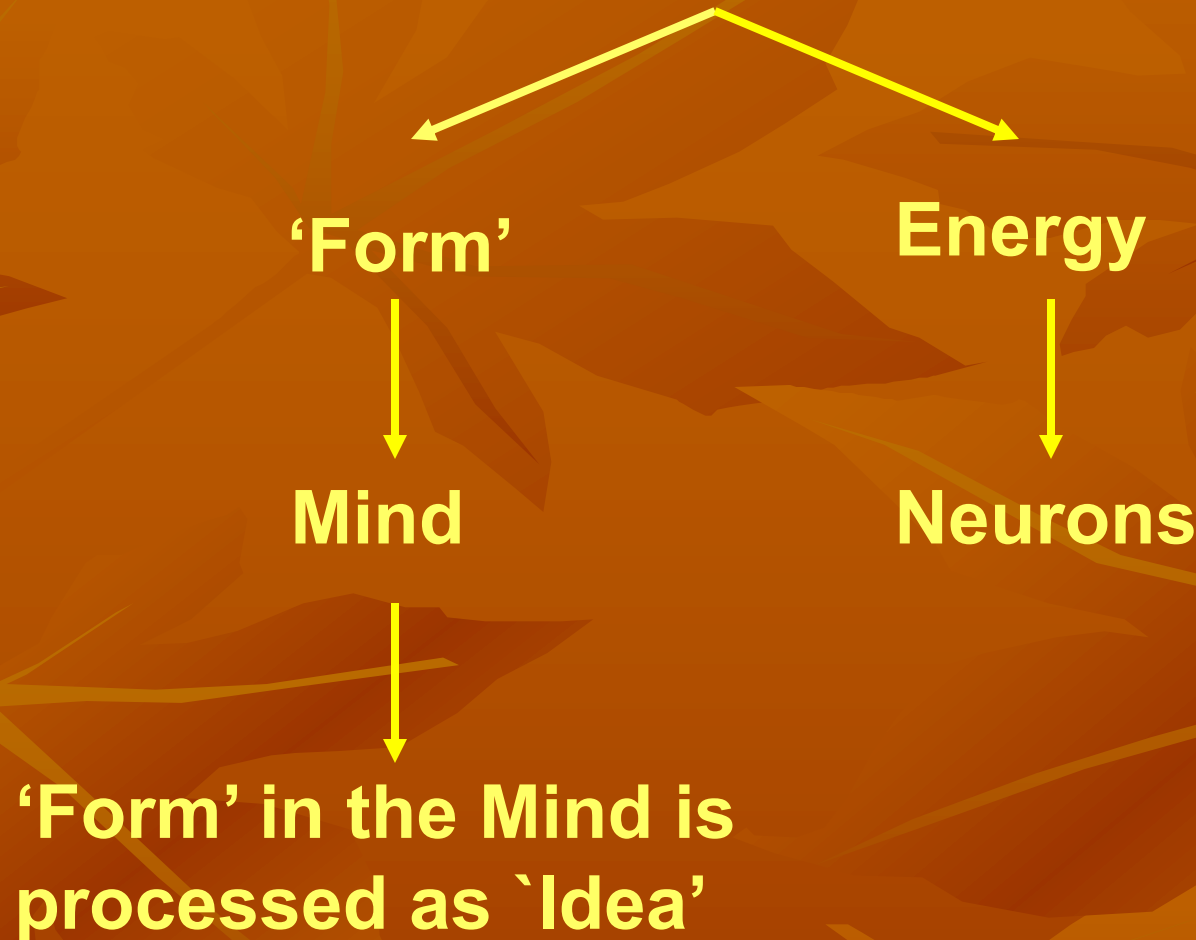
Mind

**The organ of
communication
between two
conscious system**

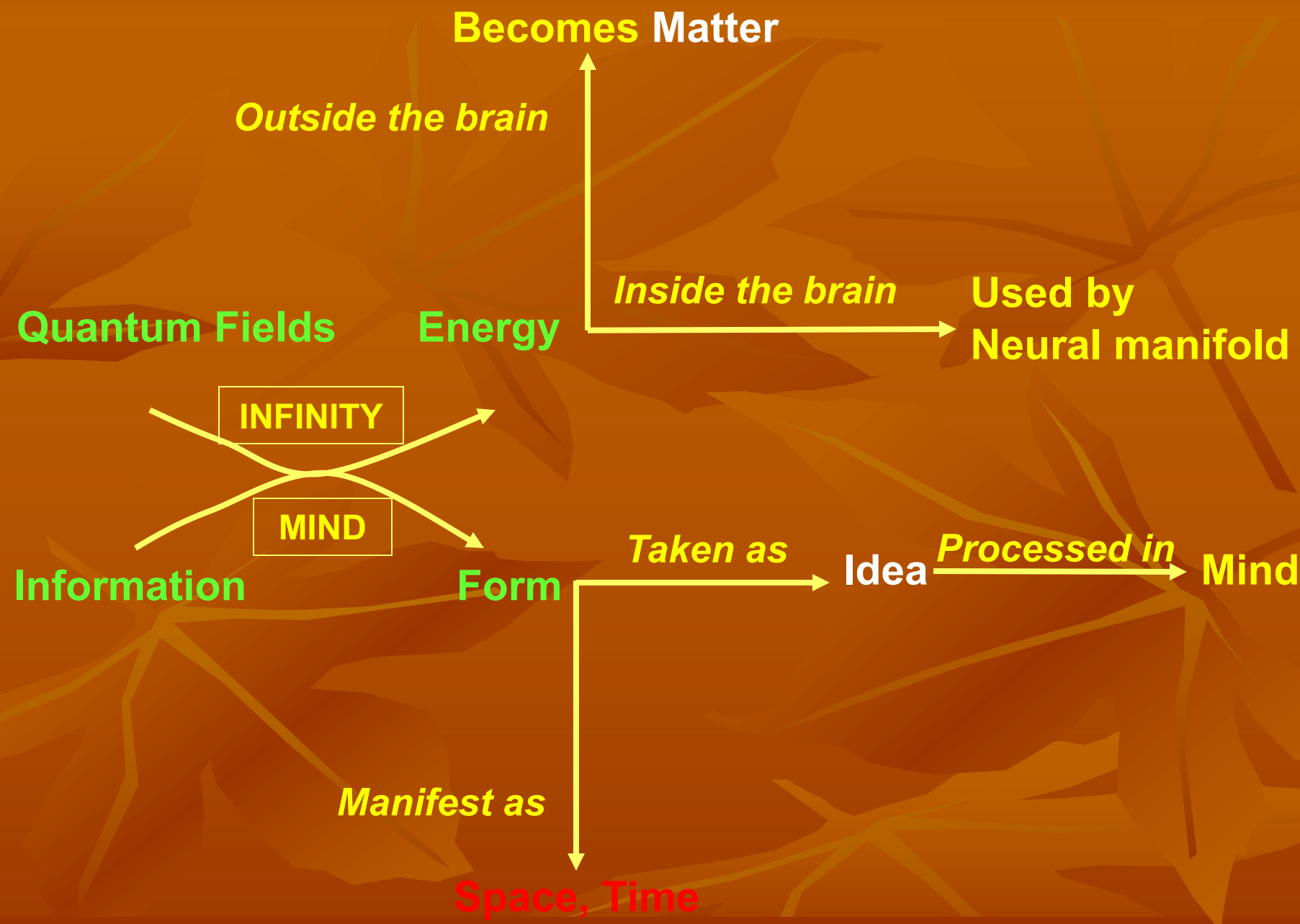
Quantum fields

**The Messengers of
Infinity**

Information Split



The Basis of Psychosomatic Connection



VI. Consciousness – Information Relationship



Source of Information



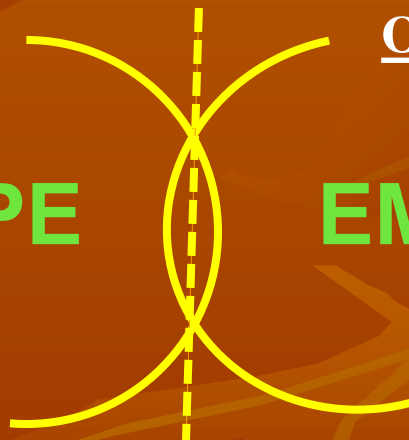
**The Principle
of
*Similia Similibus***

**The Uncertainty in
relationship between
Masculine and Feminine
components of
non-local entities
is the cause of genesis of
Information**

Inside Boundary of the System

**Information
reduces
uncertainty**

ZPE



Outside Boundary of the System

**Information is
generated out
of uncertainty**

Boundary of the Universe



V. Mantra is Information on the Divine



THANK YOU



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TSC-2013
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Dr. A.K. Mukhopadhyay is standing in the first standing row, 7th from left

Observing Creation

**“I was looking at my Mind!
Between Me and Infinity,
Often distinct, often an ever-fading line!
It is my Mind.”**

**“Passively, on itself it winds,
In action, it grows mighty wings.
Between Finite and Infinite
An amazing swing!
It is my Mind.”**

**“One day Information approaches her,
With passion, aggression and intense desire.
In his captivating charm, she submits to conceive.
Through nonlocal communication, she perceives
A command to deliver ‘Form’,
Which is *Information’s* inside!”**

**“The play of Love, Sex and Aggression,
Happens outside scientist’s box of vision”**

**“What one sees are only quantum fields!
Measurable entity, within scientist’s skill”**

**“Born are Energy Time and Space.
Visible children from Infinity’s mess!”**

**“There are Fields and all the more,
Energy and matter, a gala furore!”**

**“Scientists get busy playing with them.
Conceals Infinity, how It so became!”**