

# The Moment of Creation

## A Meta-Model for Opening to Emergent Knowing in Science

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### OBJECTIVE

The purpose of this **transdisciplinary** theoretical study is to describe a potential phenomenological approach to science and to conscientious creating in any domain.

### RESEARCH QUESTIONS

Can I describe a three level approach to science which does not dichotomize matter and mind, materiality and consciousness?

What lawfulness is entailed in phenomenological philosophy?

Is there cross domain support, in observable patterns, for the value and capacity of accessing non-reflective consciousness?

What are the characteristics of pre-reflective, non-representational consciousness? How is such consciousness accessed?

### TRANSDISCIPLINARY METHODS

#### Domain Selections

- Phenomenology
- Microphenomenology
- Theoretical physics
- Theoretical biology
- Human or cognitive science
- Early Buddhism
- Contemplative practice
- Creativity studies

#### Coding:

- Constructivist grounded theory
- Theme of non-separation of matter and mind or non-representational consciousness/experience

#### Three Levels of science (and research):

Philosophical/theoretical  
Normative  
Methodological/technological

#### Systemic Theoretical Process:

- Why domains chosen
- Contributions and distinctions
- Integration

#### Integration:

- Gather and compare in cross-domain tables
- Winnow or discriminate through imaginative variation of phenomenology

### Three-Part Science and Dynamic System

#### Philosophical / Theoretical:

(changing one's thinking)  
Core essentiality of science  
A priori condition that makes science a science

#### Normative

(discovering patterns across domains)  
Systematic description of core essentiality  
Establishes the values a science has to satisfy in order to be a science

#### Technological

(uncovering what has been unnoticed)  
implementation in a given domain,  
fits within theory and normativity  
suggests a modification in the theory,



### Wider Research Program:

Can accessing phenomenological experience transform thinking, foster ethical action, enhance creative process, facilitate scientific discovery and if so how.

### Evolving questions

How can one live a responsible (ethical) creative contemplative life while fully engaged in living?

How can the subtle awareness of contemplative mind enhance the creating process and scientific endeavors?

### RESULTS: THREE LEVELS OF A PHENOMENOLOGICAL APPROACH

#### Philosophical/Theoretical – The fundamental lawfulness of constant change and insubstantiality of truth

- A continuous co-arising of matter and mind
- Knowing as awareness of experience: An embodied approach
- Integral impact of personal perspective
- Space or emptiness, insubstantiality, make change possible
- Focus on process and dynamics rather than final outcomes
- Holistic

#### Normative - Observable cross domain pattern Systems requiring prepersonal levels of consciousness

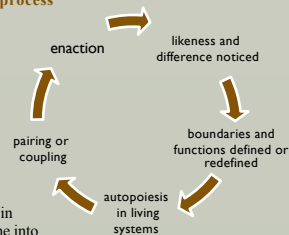
1. Recognizing lawfulness of constant change
2. Dynamism and dynamic aspects within context
3. Primacy of the implicate and relationship to movement
4. Totality
5. Fusion, sedimentation, and formations

6. Causes and conditions, what arises comes to form and content based on context
7. Systems pair/couple due to likeness especially related to movement (difference that movement creates)
8. Learning occurs due to difference
9. Systems as totalities

#### Initiating transformational process

#### A pattern of cycles of change

- Organisms are drawn together due to likeness and differences.
- Each maintains its own Boundary and functions.
- These occur naturally, organically, in the organism or system.
- A pairing or coupling occurs in which two or more systems come into relationship.
- Each enacts change based on its own functioning and needs.



#### Path of least resistance Robert Fritz

Opening  
Passive awareness  
Generic contemplative approach

Loosely held  
'measurable' goal  
Known when seen

Contemplative awareness  
Passive and receptive

Current reality

#### Technological/Methodological

#### Characteristics and accessibility of non-representational consciousness

- Characteristics of pre-reflective consciousness:
- Consciousness may arise undifferentiated from matter
  - Dynamic processes, constant flow
  - Enactive

#### Accessing unnoticed consciousness:

- Phenomenology - epoché, reduction (static, genetic); active and passive analysis
- Microphenomenology – first person experience, interviews, analysis
- Human science - awareness of difference; dialogue, relational meditation
- Receptivity of contemplative processes – opening to what I arising
- Embodied awareness or proprioceptive knowing
- Noting and epoché
- Transformational creativity
- Human examples : Bohm, Cohen, Dillard

### SUMMARY

#### THEORY

How is pre-reflective consciousness described in various domains?

#### Dynamic Process Constant change

#### Enactive

coupling/pairing  
Internal integrity  
Passive/Active  
Potential awareness

#### Co-arising

(nondual)  
Consciousness arises first  
undifferentiated  
from matter

### RESULTS: IN PRACTICE

In creative process: How does pre-reflective consciousness function in the creating process?

**Wynton Marsalis (2008), in playing jazz :**  
Adjusting to changes without losing equilibrium  
Mastering moments of crisis with clear thinking

Living in the moment and accepting reality  
instead of trying to force everyone to do things  
your way

Concentrating on a collective goal even when  
your conception of the collective doesn't  
dominate

Knowing how and when to extend your  
individual energy

**Leonard Cohen: Recognizing Truth**  
[Songs] ...resonate with ...truth ...I can  
recognize.

Not trying to express meaning but experience.

**Einstein, in theoretical physics:**  
Started with unspecifiable feelings

The succession of images

Detailed concepts eventually emerged

#### Dissertation Committee

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