

The Origins and Maintenance of **Human Life** is Based on **Complexity Science**

**Society for Chaos Theory
in Psychology & Life Sciences**



18th Annual International Conference

Richmond, Virginia, USA

8 – 10 August 2008

Dr E D Price

MB BS, DHA, FRACMA, DipSM

My Hypotheses

- **A 4th physical state:** Solid, liquid, gaseous and SOPHTID.
- 4 Elements: A **hybrid state** combining solid, liquid, SOPHTID and a connection to the environment. All living organisms are in this hybrid state.
- An explanation for the **origin of life**.
- A new **epigenetic coding system** known as a Fractal Coding System (FCS) – mind can and does affect matter
- The conclusion that “**thinking**” goes on also **outside the brain**
- Much cheaper, non-invasive, accurate and everywhere available IT based **diagnostic and evaluation tests** to measure a person’s health status before and after treatments

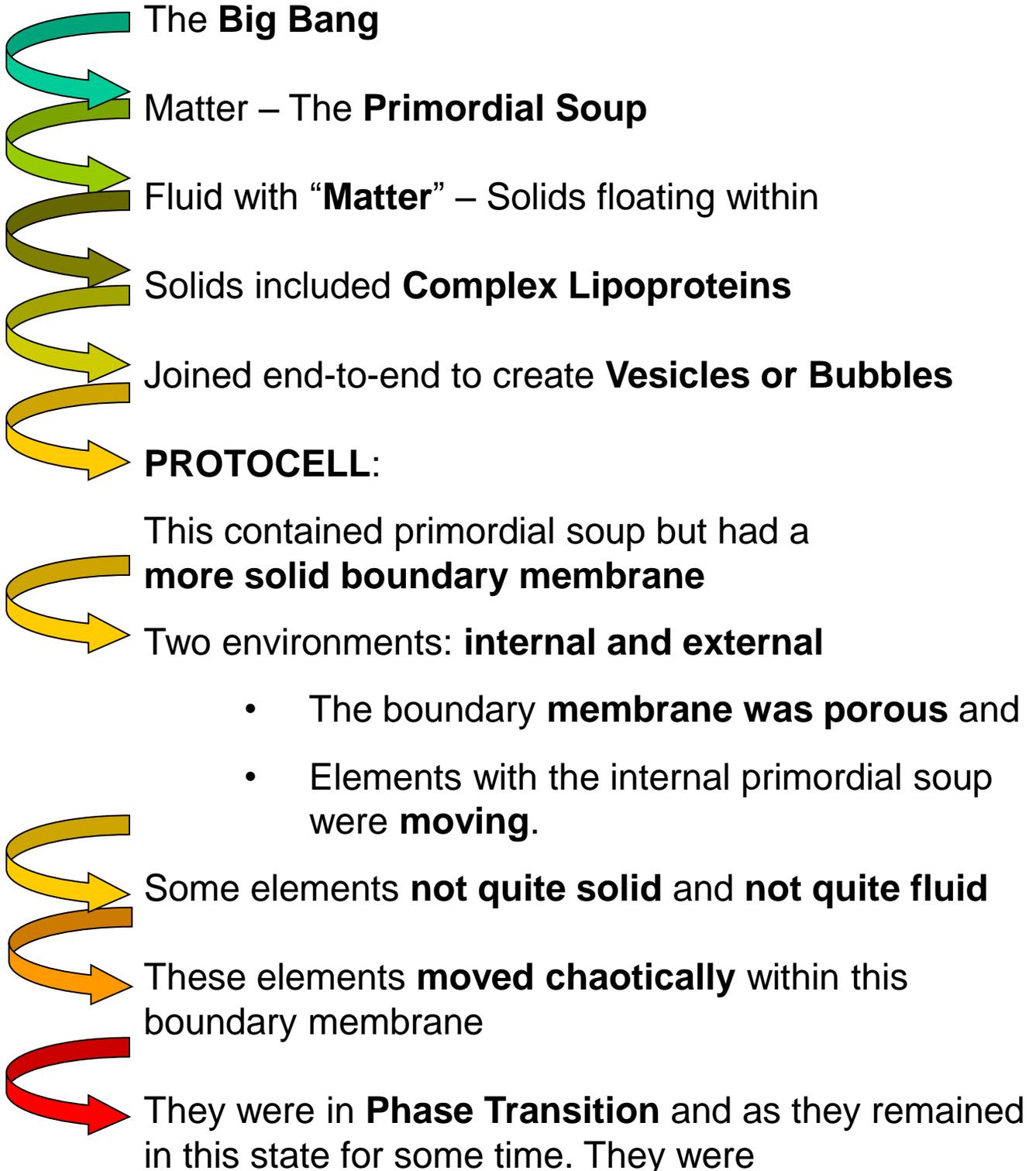
The Benefits

- Can be implemented readily and immediately.
It is expected that once implemented on a national level within the next few years there will be
- **A saving of 250,000 lives.**
- **Significant reduction in health care costs.**
- **An significant improvement in health status.**

Hypothesis: The Origin & Maintenance of Human Life is Based on Complexity Science

Overview

- The Big Bang
- The Origin of Life
- Strange Attractors (S/A)
and their Relationship to Information
- Three Strands of Information Processing
- Downside of Structural Coupling
Contribution to Physical Disease
- Interim (Proxy) Assessment of Underlying
Subtle Force – functional health status
measures (FHS)
- Disease is Degradation of S/A Movement
and is Measured by FHS
- A Range of Complexity Therapies
- Conclusion – The Big BIF



**Second Order Phase Transition Identities –
SOPHTID**

This movement stratagem was a
STRANGE ATTRACTOR

Strange Attractors and their Relationship to Information

What is Information?

Information is the **DISTINCTION OF DIFFERENCES**

Strange Attractors produce differences –
an **INFINITE NUMBER OF OPTIONS**

But they are **FLEETINGLY PRESENT**

If some of these infinite options could be **STABLE** for a time
they could **GENERATE INFORMATION**

When the “S/A” in the internal environment **COUPLES** with an
external environment substance, they become **STABILISED**

And thus take on a “form” – a **FRACTAL FORM**

This serves to **BRAND** or “**BARCODE**” the external
environmental substance

This “**form**”-alised structure then has the capacity to
“**IN-FORM**” the rest of the **PROTOCELL** of the “now-labelled”
environmental substance.

This in-forming will only occur, if there is

- 1 **ENOUGH SOLIDITY** to store the information and
- 2 **ENOUGH FLUIDITY** to send it across distance

Three Strands of INFORMATION PROCESSING



1

Is COGNITION and
EXTRACTS ENERGY
from the
environment



2

Determines
FUTURE BEHAVIOUR
of the whole
organism



3

Is a “MATERIAL”
physical altering
process



COGNITION

Information processing Strand 1

Is Cognition

It makes order out of disorder

In doing so, it extracts energy from the environment

Therefore it is the “Pulse” or “Breath of Life”

Cognition is an emergent phenomenon. It requires four elements in combination: solid, fluid, SOPHTID plus an environmental substance

Does not require a brain or spinal cord

Structural coupling enables the maintenance of organisation or complexity/ order

Therefore cognitive systems are called “organis ... ms”

It does however form a stabilised pattern that is rigid

Downside of structural coupling: The structural coupling achieved in a previous environment may be inappropriate for the current environment.



Evolves and Determines FUTURE BEHAVIOUR

Information processing Strand 2

Results of information processing will become more potent in determining the organism's future behaviour than external forces:

If for example:

To the North of the organism – scalding heat

To the south – multiple nutrients

The organism will move to the south – even against external forces

The organism also bifurcates to “understand” feelings re this information:

To the north - Danger/fear

To the south - Pleasure/ joy

Bifurcates – evolves “Emotions” which become more important than information processing in determining future behaviour – this is “Primary Consciousness”

Bifurcates further to place “meaning” to these Emotions

Meaning in turn becomes more powerful than emotions in determining future behaviour

This leads to reflective (secondary) consciousness – Self-awareness.

So “meaning” becomes a most powerful determinant of the behaviour of evolved organisms – ie You and I



A “MATERIAL” or Physically Altering Process

Information processing Strand 3

The first step in information processing is the generation of information which creates PHYSICALITY.

This may involve a change in connectivity in the pattern of organisation as shown on (f) MRI

It then becomes RIGID

The sum total of all these “generat - ions” of information forms a **Fractal Coding System (FCS)**.

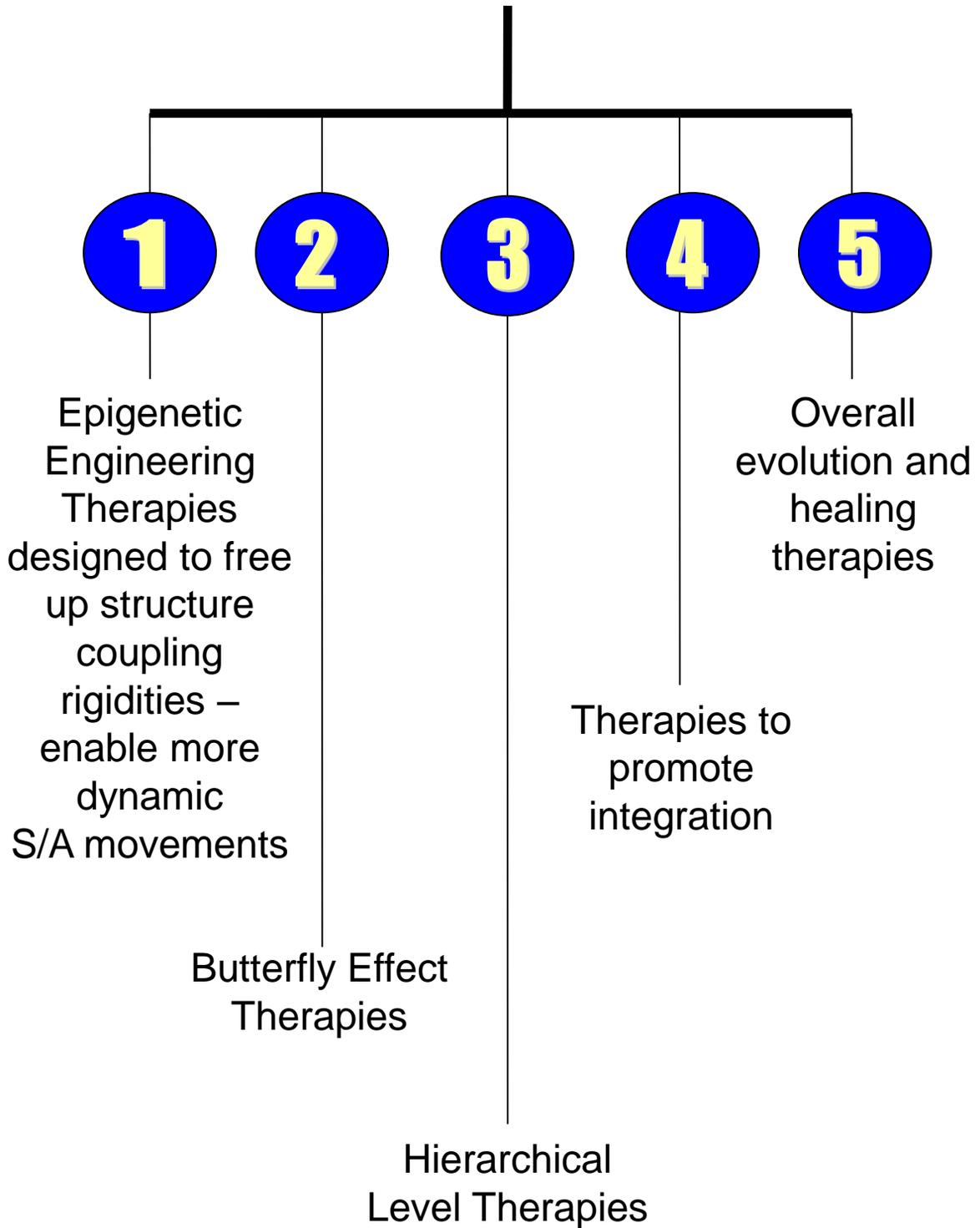
This is used as a template to help recognise current environmental substances.

This FCS - epigenetic coding system - is likely to be a contributing factor to any physical disease that has manifested through self-amplifying feedback processes.

The amount of physical rigidity can be assessed by determining a reduction in functional health status of the whole organism

In humans this can be assessed by PROXY – Patient Reported Outcomes (PROs) – using a patient completed (psychometrically validated) Health Outcome Questionnaire, which measures the whole human organism’s functioning.

COMPLEXITY THERAPIES



Complexity Therapies

1 Epigenetic Engineering Therapies

Fractal Re-engineering Therapies

Therapies to **Overcome the Rigidities of Past Structural Coupling**

1.1 An Enquiry

1.2 Meditation and Relaxation Therapy

2 Butterfly Effect Therapies

Therapy (Holistic) to a particular presenting symptom that will **initiate self-amplification by self-reinforcing feedback** to overcome a physical disease.

3 Hierarchical Level Therapies

Current biomedicine treats subsystem mechanism.

In the Complexity Model, this concentrates on **hierarchical levels of consciousness**

Therapies aimed at **elevating subconscious-level structural coupling to conscious level**

Complexity Therapies

4 Integration Therapies

Two separate previous structural couplings, each appropriate for the “then” circumstance may result in **clashing behaviours**,

e.g. Dr Jekyll and Mr Hyde

As there is one organism, these **need to be aggregated to a coherent whole**.

5 Evolution and Healing Therapies

Millions of years of evolution lead to the innate healing mechanisms.

This is the coherent behaviour of multi-agents eg. Healing of a cut or laceration involves blood clotting factors, blood supply, different white blood cells, a time sequenced process – all acting cooperatively.

Conclusion – The Big BIF

In Australia, a “biff” is a fight

The **Big BIF**urcation will occur when the world view will bifurcate from

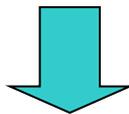
REDUCTIONIST MECHANISTIC SCIENCE



COMPLEXITY SCIENCE

and Medicine from the

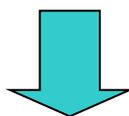
BIOMEDICAL MEDICINE



COMPLEXITY MEDICINE



**BIOMEDICINE and/or
COMPLEXITY MEDICINE**



EVOLVED MEDICINE