PSYCHOHISTORY

and

HUMANITY'S
INTERSTELLAR FUTURE
NEVER DOUBT THAT A SMALL GROUP OF THOUGHTFUL, COMMITTED, CITIZENS CAN CHANGE THE WORLD. Indeed, it is the only thing that ever has.

(Margaret Mead)
It is the Mandate of Science to explain the physical Universe.

It is the Mandate of Religion to place Humanity within the context of that explanation.
PHASE AND METASYSTEM TRANSITIONS IN THE HISTORY OF THE UNIVERSE

(a) regarding nucleation and structure:

\[(\text{CHAOS} \rightarrow \text{HADRON} \rightarrow \text{LEPTON}) \rightarrow \text{NUCLEAR} \rightarrow \| \rightarrow \text{ATOMIC} \rightarrow \]
\[(\text{GALACTIC} \rightarrow \text{STELLAR} \rightarrow \text{PLANETARY}) \rightarrow \]
\[\text{MOLECULAR} \rightarrow \text{BIOLOGICAL} \rightarrow \text{(SYNTHETIC)...}\]

and (b) regarding matter:

\[\text{PLASMIC (primal chaos)} \rightarrow \text{HADRON} ((\text{proton/neutron/meson}) \rightarrow \]
\[\text{LEPTON (electron/neutrino)} \rightarrow \| \rightarrow \text{ATOMIC} \{\text{(elemental)} \rightarrow \text{(chemical} \rightarrow \text{organic})\} \rightarrow \text{SYNTHETIC...}\]

where ‘||’ refers to the moment of photon-decoupling or recombination. Thus the history of the Universe to date comprises 3 eras divided by 2 phase transitions:

(c) 3 eras:

\[\text{PLASMA-DOMINATED} \rightarrow \text{RADIATION-DOMINATED} \rightarrow \| \rightarrow \text{MATTER-DOMINATED}\]

and (d) 2 phase transitions:

\[(\text{PLASMA-DOMINATED} \rightarrow \text{RADIATION-DOMINATED}) \rightarrow \| \rightarrow \]
\[\text{(RADIATION-DOMINATED} \rightarrow \text{MATTER-DOMINATED)}\]

with the matter-dominated era further subdivided into 3 metasystem transitions:

(e) 1. \{\text{ATOMIC (elemental)} \rightarrow \text{CHEMICAL}\}

2. \{\text{CHEMICAL} \rightarrow \text{ORGANIC}\}

3. \{\text{ORGANIC} \rightarrow \text{SYNTHETIC (technological)}\}
We live in a single Universe created once at a single instant in time. This Universe will one day come to an end. Our own destiny as sentient beings is bound up with that of the Universe.
It was the very ambiguities and contradictions inherent in the Judaeo-Christian construct that, in forcing a creative response to ‘living in the world’, effectively catalysed the emergence and evolution of a recursively self-enhancing scientific and technological culture.
The 12th century Reformation

Rievaulx Abbey

one of England's most powerful Cistercian monasteries.
The Joachimite Prophecies
The Joachimite Prophecies:
the *Triplex Aetatum* of trinitarian circles enclosing the Tetragrammaton (from the *Liber Figurarum*)
THREE AGES

catalysed by

TWO ORDERS

Spirit (A)

Contemplative Order (Second Foundation)

Existential Dualism

Dynamic Trinitarianism (Borromean Rings):

active Order (First Foundation)

Flesh (Ω)

Past Ancient Feudalism Planetary

Present Medieval Capitalism Solar

Future Modern Socialism Interstellar
a) original illumination

b) transcript of main details

The Joachimite Prophecies:
Dispositio Novi Ordinis from the Liber Figurarum:
The Configuration of the New Order.

Corpus Christi College, Oxford MS. 255A, f.17r.
A Civilisation is not Conquered from without until it has first destroyed itself from within.
The Drake Equation

Perhaps the ‘Lifetime’ variable is in fact the ‘Great Filter’ of the Fermi Paradox

\[ N = R^* \times f_p \times n_e \times f_i \times f_i \times f_c \times L \]
If the $K_0 \rightarrow K_2$ Transition is to be realised, it would appear essential to establish a permanent foothold in deep space (i.e. beyond Earth’s orbit) before the constraint and error catastrophes currently affecting global civilisation precipitate a catabolic systems collapse to the point where recovery to our present level will be severely compromised by key resource depletion.
The CHRYSalis
Polycentric
Metacomplex
Cyborganic
The Chrysalis

Catalyst

Agency

Substrate

Terrestrial
Independent
Mixed

Core
Instrumentality
Oblacy

Mitra
Hyposroma

Virgin Celibates
Celibates only
Asexual
Mixed

Polycentric
Metacomplex
Cyborganic

‘Natural’
i.e.
‘Darwinian’

Th World
Outreach and Expansion

Training and Therapy

Education at Primary Level

Independent Research, Implementation and Development of Space Exploration Programme

Implementation of Research Technology Programmes
(a): operating profile of single participatory domain
SOCIAL ARCHITECTURE
of the
CHRYSALIS
Hive architecture of the ant genus *Pheidole*
A Universal Compassion for and Vibrant, Empathic Appreciation of, the Infinite Potentialities of Being

A Consummate Peespicacity and Foresight in Relation to the Thermodynamic Flows, Fluxes and Gradients of Earth and of the Known Universe

A full Awareness of the Dimensionalities of Time, Space, Energy, Distance, and the Correlations between them

A Steadfast Commitment to the Eschatology, Telos and Fulfilment of the Plan and to the eventual Synaxis of All Worlds
THANK YOU
FOR YOUR ATTENTION