

## Life of the Universe

Fifteen dimensional nothing  
slowed by vibrating strings  
swallowed by black holes  
held together by  
the fifth force of empty space  
accelerating  
to smooth distribution

empty nothing  
infinite nothing  
total nothing  
time alone

Non-existent

## Light Mystery

Information on Light

travels

faster than itself

arriving

before it's left.

Is Now a refracted wave of then?

Is Now only a moment ago?

Does Future form Now and Past?

Formerly measured

jumping rapidly

universe and energy now

variations

strings

Maya, a stressed material ripped

by energy change

in atomic clocks

out of tune

on a broken melody

from a chaotic mirage

from gravity

gravitons

gravity waves

to quarks and gluons,

to strings and colors



## Science is Changeable

Classification destroys continuity  
Proceeding by making category mistakes  
Mistaking similarities for commonalities  
Fixating on description as true relationship

No organism lives all alone  
All living things are really colonies  
More than 250 bacteria live on and in each of us  
So do fungi, algae, and protozoa  
Without them we become very ill

No system, not even our universe, is closed  
We know only four per cent of even that  
And atoms may have more than two nuclei  
With long chain molecules of metals as compounds  
Having no attached nonmetals balancing charge

Genes are not passed half from each parent  
Less than eighty percent is from sperm or egg  
And some of the remaining triplets are moved  
Which govern which attributes can be transformed  
Progeny thus bear little resemblance to immediate ascendant

Sol may have only eight planets and two planetoids  
But there more than a thousand extra-solar planets  
Some of them resembling Earth except perhaps in size  
Thought to be life sustaining although not terrestrial  
But, never mind I'm not sure of anything anymore even now

## Tribute to Open Systems

Open systems interact with their suprasystem/environment  
And it's all about relationships among subsystems/components  
And events within indeterminate circular causal loops  
Dependent on observation determining organization  
They may produce higher organization/negative entropy

All of this may seem chaotic and dependent on initial conditions  
Which it is and hence Chaos Theory requiring at least differential equations  
And projection of phase space using Poincare maps  
The problems are that each variable requires a dimension  
And both this and the axis of the map are relative to the observer  
Not to mention that we cannot solve most differential equations

In a feedback loop the strange attractor is restrictive  
To the dynamic beginning from the properties of the attractor  
Explaining the oscillations of the living bodies  
And disease and death as their interruption  
The Gaia hypothesis insists that Earth will take care of herself  
And that evolution is chaos with feedback loops

Fuzzification attempts to approximate truths while avoiding categorization  
Where probability has to do with the likelihood of something  
We deal with truth/falsity in hedges like "quite, nearly, mostly"  
And probability in terms of "likely, unlikely, and nearly likely"  
Absolutes are in question since language determines perception  
Not to mention thought patterns and accepted forms

Both of these are themselves systems  
Whether Real, abstract/conceptual, and/or concrete