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## ***FOREWORD***

That Science be *reciprocally related* in its diverse, various, differentiated and ever-increasing parts results also from the empirical *Observation and Experiment*

This observation and Experiment manifests that the All are in two *Alternating States* namely *Transformation* and *Relationship*.

*Yet even in Transformation – before, during of it, and after it – Relationship continues.*

*And vice-versa too : in Relationship even Transformation does not disrupt the same Relationship.*

*Thus Transformation and Relationship are not inverse but co-terminous.*

These are Principles and thus Controllers [in terms of the *Doctrine of Controller : Controlled*] in as direct proportion.

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And both in Rationalism and in Empiricism : as moreover is manifested too in the present work.

E G CEFAI

***SCIENTIFIC PAPERS 2001***

## I Antimatter

In 1930 Dirac had predicted anti-matter and in 1932 Carl Anderson whilst examining tracks of cosmic rays in a cloud chamber discovered the positron.

A particle and its anti-matter correspondent particle are said to “annihilate” [each other] when they meet : they disappear and their kinetic plus rest-mass energy is converted into other particles [following  $e = mc^2$ ]

## II Antimatter “Annihilation”

This “anti-matter” annihilation seems **at first sight** to infringe the Principles of Mass:Energy Percentage as enunciated in our works.

In these Principles it is clearly asserted that In the mass universe there is no mass that has not a percentage of energy, however minimal; and no energy that has no percentage of mass however minimal.

Now when we say that particles “annihilate” each other it looks as if the mass of those particles disappears out of the universe once and for all.

But on examining more closely what happens we qualify all this to such an extent that we really come to its opposite conclusion thus:

[a] When an electron and a positron annihilate at rest, two gamma rays follow : these are energy-predominant but in terms of our Principle of Mass:Energy Percentage will carry a mass percentage however minimal. *If this mass percentage however minimal is not carried as in these particles, the same [particles] would consist of energy that will skip without control without shape without direction “all over the place”. There would be no shape to the rays, nor any direction, nor any size. There would be indefiniteness instead. There would be energy [all this is hypothetical] that would simply bound “all over the place”. For only the mass percentage however minimal fixes the energy to its situs. Without the mass percentage, the energy percentage would have no situs neither as in the Ideal State nor as in the Practical State.*

The same considerations will and must hold [in the Ideal State and as in the Practical State] in the *Inverse Case:Instance* that is where the predominant mass percentage [say to ---> 100% though never reaching it] will have a situs, size and shape only in as direct proportion to the rate of vicinity of subsistence to an energy percentage, however minimal.

All these manifestations instead of troubling the Principle of Mass:Energy Percentage in fact confirm it and very greatly.

At this juncture it should be well to assert that our considerations here are structured as on the following Principles namely:

I. In the mass universe what is not held in its situs size or shape as by any reference frame will not hold at all but will “fly all over the place” [both as in to the Ideal State and as in to the Practical State]

II. In to the mass universe all and any reference frames occur only in as direct proportion to the **combined and simultaneous** occurrence:progression of the Principle of Global Balance and Contiguous Adjacent Reference Frames q.v. and the Principle of Mass:Energy Percentage q.v.

#### **And vice-versa**

[The vice-versa here is important especially as in to the engineering sense]

*III. In to the mass universe the rate of [increase of] occurrence:progression of reference frame[s] will be as directly proportional to the rate of [increase of] occurrence:progression of propensity of ens to have a situs, shape and size*

#### **And vice-versa**

*IV. In to the mass universe the rate of [increase of] occurrence:progression of reference frame[s] will be as inversely proportional to the rate of [increase of] occurrence:progression of ens [matter:energy] to “fly all over the place”*

#### **And vice-versa**

*V. In to the mass universe at any absolute time:space moment[s], the rate of [increase of] propensity to occurrence:progression to have a site, size and shape will be as **inversely** proportional to the rate of [increase of] propensity to occurrence:progression to “fly all over the place”*

#### **And vice-versa**

VI. As in to the mass universe no mass will hold on its situs, or have size or have shape unless with an energy percentage, however minimal. It is this minimal percentage that keeps the mass [mass percentage] from “flying off” “indefinitely” all over the mass universe.

VII. As in to the mass universe no energy will hold on to its situs, or have size or have shape unless with a mass percentage, however minimal. It is this minimal percentage that keeps the energy [energy percentage] from “flying off” “indefinitely” all over the mass universe

**In other words In the mass universe no mass percentage and no energy percentage whatever will have any right or expectation to situs, size or shape without its occupying the relative reference frame[s] [and also being governed:ruled by the Principles of the Reference Frame[s] namely the Principle of Global Balance and Contiguous Adjacent Reference Frames and the Principle of Mass:Energy Percentage q.v.**

In our instance the gamma rays have situs, they have size and they have direction:shape q.v.

*That is is the gamma rays have a mass percentage however minimal*

[b] All this is further confirmed [both as in to the Ideal State and as in to the Practical State] by the case:instance where *when a proton and an antiproton “annihilate” at rest **other particulae are usually produced***

[c] In this case:instance too [case:instance as at [b]] the total kinetic plus rest mass energies of these products adds up to twice the rest mass energy of the proton.

All this speaks for itself without further comment or need for it.

### **III Conclusions**

We deem that the term “annihilation” is not a happy one.

The meaning it imports has no exactitude:precision is being co-terminous with what occurs:progressess and it has thus no great scientific rigour:worth

Moreover the term might be misleading in as direct proportion.

And at the end of everything and when all is said and done the Principles of Global Balance and of Contiguous Adjacent Reference Frames and the Principle of the Mass:Energy Percentage not only are not prejudiced in any way whether as in to the Ideal State and as in to the Practical State but are indeed confirmed in all ways in to the Ideal State and as in to the Pratical State.

4/1/2001

4.45 P M

In the mass universe there is nothing that is ever erased obliterated or destroyed

This sequitur from the Principle of Conservation of Matter-Energy q.v.

[In fact it is the equivalent:identity of that Principle in terms of the Principle of Equivalent:Identity]

What happens is not that anything is *erased* but rather that from *dominant* it can turn to *recessive* or else from more dominant to less dominant or from less recessive to more recessive

This is a question of grading and relativity.

Nothing is absolute; nothing is = 0% or = 10% here.

At this juncture we enunciate that:

*In to the mass universe the rate of [increase of] quantity:quality of any matter:energy as within any reference frame will be as directly proportional to the rate [of increase of] at which the same [quantity:quality] will increase its rate of dominance [percentage]*

**And vice-versa**

Also:

*In to the mass universe the rate of [increase of] quantity:quality of any matter:energy as within any reference frame will be as **inversely** proportional to the rate of [increase of] at which the same [quantity:quality] will increase its rate of recessive [percentage]*

### **And vice-versa**

Further:

The rate of [increase of] the Phaenomena just mentioned in to the *actus* of [bio]chemical combination are in fact ["de facto"] and also "de jure" [in the Ideal State] ***the equivalent:identity [in terms of the Principle of Equivalent:Identity q.v.] of the actus of [bio]chemical combination[s]***

We say "quantity:quality" bearing in mind that qualities are summations of quantities; it is the **quantities** that matter:signify here.

And in the *actus* of [bio]chemical combination the Principles just enunciated are very relevant

*Indeed we can assert that in the actus of [bio] chemical combination it is this Phaenomenon just described that occurs:progressess : **some matter:energy becomes more and more dominant;other matter:energy becomes less dominant, more recessive***

When we say "dominant" and "recessive" we refer to the reference frame "de qua"

Further:

*Subsequent to the actus of [bio]chemical combination the rate of [increase of] dominance in any matter:energy will be as **directly** proportional to the rate of [increase of] recessiveness in the other*

### **And vice-versa**

[Note the import of the Vice-versa here]

Also to-day's works should also be seen as against the back drop of the Doctrine of Controller:Controlled q.v. [as per our *The Spirit of Metaphysics*]

Also the **engineering import** of to-day's works should not be neglected : indeed as through to-day's works the *actus* of [bio]chemical combination is "thrown as wide open" to the engineering of the same.

The actus of [bio]chemical combination[s] can also [following to-day's works] be described as *the shifting of the relative quantities of matter:energies* within the reference:frame of [bio]chemical combination [the specific [bio]chemical combination in question]

Thus we can enunciate the Principle that:

*In to the mass universe the rate of [increase of] shifting of the quantities of the relative matter:energies will be as directly proportional to the rate of [increase of] occurrence:progression of the actus of [bio]chemical combination[s]*

### **And vice-versa**

And shifting [S] is the multiplicand of the rate of relative change in the quantities of matter:energies respectively [q] and the duration in time:space unit[s] of the same [d]

Thus as in algebraic form :

$$[S] = [q] \times [d]$$

and:

$$[q] = [S] \text{ divided by } [d]$$

and:

$$[d] = [S] \text{ divided by } [q]$$

1/1/2001

In this short paper I shall manifest the [bio]chemical combination[s] under the form of time:dimension[s]

Following Albert Einstein in the mass universe all matter:energy, all phenomena will have a time dimension and a space dimension.

Now in “conventional” science we are wont to study:observe the [bio]chemical combination[s] *as under the the time:dimension*

### **The Time Dimension**

Now the time dimension and the space dimension are inter-transformable

That is the one can transform as in to the other.

All this apart from the fact that they are equivalent:identities in terms of the Principle of Equivalent Identity q.v.

The time dimension therefore can be held as the transformation of the space dimension

*Viewed as within the context of [bio]chemical combination[s] the graphical over view of the space dimension and the actus of [bio]chemical combination as **the mechanics of mass percentage** are equivalent:identities [in terms of the Principle of Equivalent:identity q.v.] but the transformation of the space:dimension as in to the time:dimension will also signify the transformation of the actus as **the mechanics of energy percentage***

Thus in the mechanics of mass percentage there will be manifested **the mechanics of particulae in motion**

In the mechanics of wave percentage there will be manifested **the mechanics of wave:currents in motion**

Thus at this juncture we enunciate the Principles that:

[A]

The rate of [increase of] the manifestation:observation of the actus of [bio]chemical combination[s] *in the space dimension* will be as directly proportional to the rate of [increase of] *manifestation of mechanics of mass percentage as in to the same*

**And vice-versa**

[B]

At any one absolute time:space moment the rate of [increase of] manifestation of mechanics of the mass percentage will be as **inversely** proportional to the rate of [increase of] manifestation of the mechanics of the energy percentage

**And vice-versa**

[C]

The rate of [increase of] occurrence:progression of mechanics of mass:percentage will be as directly proportional to the rate of [increase of] mechanics of particlae in motion

**And vice-versa**

[D]

The rate of [increase of] occurrence:progression of mechanics of mechanics of energy:percentage will be as directly proportional to the rate of [increase of] mechanics of wave currents in motion

**And vice-versa**

[E]

At any absolute time:space moment[s] the rate of [increase of] mechanics of particlae in motion will be as **inversely** proportional to the rate of [increase of] mechanics of wave currents in motion

**And vice-versa**

## **The Density of Time**

I will here put forth a simple formula by which the density of time shall go.

At the same time that formula shall as by force-definition be the definition of the *density of time*

Now let a specific absolute time space moment be indicated by St

And let the number of *specific* wave-currents in motion and/or the number of *specific* mass particlae in motion be indicated as by n

And let the [increase of] [rate of] density of time be indicated as by D

Therefore as in algebraic form:

$$[D] = [St] \times [n]$$

and:

as by algebraic transformations:

[St] = [D] divided by [n]

and:

[n] = [D] divided by [St]

### **Principles of Density of Time**

The term *density of time* just defined in algebraic equation form is not without its import.

This import will be manifest as from the enunciation of the following Principles : namely :

[I]

*The rate of [increase of] density of time will be as directly proportional to the rate of [increase of] [bio]chemical combination[s]*

**And vice-versa**

[II]

*The rate of [increase of] density of time will be as directly proportional to the rate of [increase of] vicinity of the occurrence:progression of [bio]chemical combination[s] **as in a cluster***

**And vice-versa**

[III]

*The rate of [increase of] density of time will be as directly proportional to the rate of [increase of] vicinity to the s/c life process[ess]*

**And vice-versa**

[IV]

*The rate of [increase of] density of time as in to [bio]chemical combination[s] will be as directly proportional to the rate of [increase of] evolution of the same*

**And vice-versa**

[V]

*The rate of [increase of] density of time will be as directly proportional to the rate of [increase of] ageing et*

**And vice-versa**

An **amendment of the Principle** just enunciated as at V will run thus:

*The rate of [increase of] density of time divided by the rate of extension:growth of the relative ens:matter:energy as in space will be as directly proportional to the rate of [increase of] ageing et*

**And vice-versa**

Thus let D = density of time and let E = the rate of extension:growth [of the relative ens:matter:energy as in space] and A = ageing et

Therefore:

As in algebraic form:

$$[A] = [D] \text{ divided by } [E]$$

and:

As by algebraic transformations:

$$[D] = [A] \times [E]$$

and:

$$[E] = [D] \text{ divided by } [A]$$

The Density of Time and the s/c Life Process[ess]

As manifested in the just enunciated Principle V the rate of [increase of] density of time as by itself is as directly proportional to the rate of [increase of] ageing et

But in the amendment to the Principle V and in the Equations and algebraic transformations relative thereto it was manifested that the quantum of density of time is divided by the quantum of extension:growth of the relative ens [matter:energy].

In this division irrespective of the quantum of density of time *if the quantum of extension:growth of the relative ens [matter:energy] is very large then **and in as direct proportion the rate of ageing et will be slowed down***

And when we say “slowed down” we signify as “slowed down to -----> 0%”

### **The Density of Time and s/c Ageing et**

This “slow down of ageing ----> 0%” is thus in the Ideal State.

But from the Ideal State we can and ought to pass on as in to the Practical State.

In the Practical State we meet the engineering import of the Principle in the Ideal State.

*Indeed we might assert that As in to the Practical State the Practical State and the Engineering [Import] are equivalent:identities in terms of the Principle of Equivalent:Identity q.v.*

### **The Density of Time and Immortality of Ens**

To-day’s works manifest how *the density of time* and *Immortality of Ens* occur:progress together.

### **Conclusion**

But the import of to-day’s works is most manifest in **the engineering import and in the engineering consequences** of the same.

7/1/2001

8.51 A M



1

In to protoplasms of ens ageing occurs progressess as through particlae that are at definite specific parts of the relative protoplasms of ens as per figure A

Indeed ageing does not occur:progress as per figure B or as per figure C.

2

In all ageing the “ageing particla[e]” will form one single reference frame with a “less ageing particla[e]” or even a “non-ageing particla[e]”

3

In all ageing the reference frame as [2] will start [and then continue] sub-dividing on and on [id est the sub-divided reference frame will then and in its turn sub-divide and so on and on]

4

The rate of [increase of] sub-dividing of reference frame[s] as per [3] supra will be as directly proportional to the rate of [increase of] occurrence:progression of ageing as in to protoplasms of ens

**And vice-versa**

5

In any such reference frame however divided and dividing and whatever the [smallness of] its size the Principle asserted in [2] supra will always be observed

6

The rate of [increase of] sub-dividing as per [3] supra can be constant [to which corresponds a **constancy percentage**] or irregular [to which corresponds an **irregularity percentage**] or accelerated [to which corresponds an **accelerated percentage**]

7

The rate of [increase of] *constancy* percentage as per [6] supra will be as directly proportional to the rate of [increase of] the relative protoplasms of ens to age to old age [id est “to die old”]

**And vice-versa**

8

The rate of [increase of] constancy percentage as per 7 will also be as inversely proportional to the rate of [increase of] propensity to disease [excluding virological disease]

**And vice-versa**

9

The rate of [increase of] **irregularity percentage** will be as directly proportional to the rate of [increase of]

propensity to s/c cancer[ous] growth[s]

**And vice-versa**

10

The rate of [increase of] **accelerated percentage** will be as directly proportional to the rate of [increase of] propensity to age fast [id est “to die rather young”]

**And vice-versa**

11

The rate of [increase of] accelerated percentage as per 11 supra will be as directly proportional to the rate of [increase of] propensity to disease [including virological disease]

**And vice-versa**

14/1/2001

8.39 A M

Following to-day's works:

We enunciate that:

**A:**

The rate of [increase of] sub-division of reference frame[s] in re Ageing et q.v. will be as directly proportional to the rate of [increase of] ageing et q.v.

And vice-versa

**B:**

The rate of [increase of] sub-division of reference frame[s] in re Ageing et q.v. will be as directly proportional to the rate of [increase of] "switching on" of gene:particlae re Ageing et q.v.

And vice-versa

**C:**

The moment of collapse [also as in Ageing et q.v.] will always have one specific determinate breaking point [time:space moment].

14/1/2001

5.55 P M

**I**

Those gene:particlae that have extended the less are the gene:particlae nearest to Ageing et

## II

The rate of [increase of] extension undergone [even if over several generations] as in any gene:particlae will be as inversely proportional to the rate of [increase of] vicinity of the same [gene:particlae] to Ageing et q.v.

And vice-versa

## III

The rate of [increase of] extension undergone [even if over several generations] as in any gene:particlae will be as directly proportional to the rate of [increase of] vicinity of the same [gene:particlae] to the common ancestor[s] most distant as from the relative [present] protoplasms of ens

And vice-versa

## IV

The rate of [increase of] extension undergone will be as directly proportional to the rate of [increase of] distance of the present [relative] protoplasms of ens as from the common ancestor[s]

And vice-versa

## V

The rate of [increase of] sub-division of gene:particlae as per Ageing et will be as directly proportional to the rate of [increase of] **shifting** of the same [gene:particlae]

**And vice-versa**

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**A**

The rate of [increase of] sub-division of gene:particlae will be as directly proportional to the rate of [increase of] distribution:shift of the same [gene:particlae]

And vice-versa

**B**

The rate of [increase of] distribution:shift of gene:particlae will be as directly proportional to the rate of [increase of] propensity to s/c cancer[ous] growth[s]

And vice-versa

**C**

The rate of [increase of] proliferation of sub division of gene:particlae will be as directly proportional to the rate of [increase of] switching “on and off” of the same [gene:particlae]

And vice-versa

**D**

In the same reference frame[s] if the ---> ageing et gene:particlae switch *on* then - an in as direct proportion - the other gene:particlae switch *off*

**E**

In the same reference frame the rate [of increase of] at which the ageing particlae switch *on* will be as *inversely* proportional to the rate of [increase of] at which the other gene:particlae switch *off*

And vice-versa

**F**

In the same reference frame the rate of [increase of] at which the gene:particlae with a ---> mass percentage dominance switch on will be as inversely proportional to the rate of [increase of] at which gene:particlae with a ----> energy percentage switch on

And vice-versa

## **G**

In s/c cancer[ous] growth[s] the relative site becomes -----> mass dominant percentage

Thus the whole reference frame will consist of one site of s/c cancer[ous] growth[s] of ---> mass dominant percentage and the equivalent[1] -----> energy percentage

## **H**

In[2] sub-division[3] -----> 0%

## **I**

Engineering import : Increase the shift:distribution of gene:particlae in s/c cancer[ous] growth[s] - and eliminate them [id est the s/c cancer[ous] growth[s]]

14/1/2001

10.53 P M

## **I**

As in to protoplasms of ens the distribution and/or re-distribution of genes is the equivalent:identity [in terms of the Principle of Equivalent:Identity] of the ever-increase of the reproductive number

All this occurs:progressess in as direct proportion

## **II**

Thus we enunciate:

That:

*The rate of [increase of] occurrence:progression of distribution and/or re-distribution of genes as in to protoplasms of ens will be as directly proportional to the rate of [increase of] occurrence:progression of the ever-increase of the reproductive number as in to the same [protoplasms of ens]*

*And vice-versa*

### III

**Thus the engineered continued occurrence:progression of distribution and/or re-distribution of genes is the equivalent:identity of the occurrence:progression of the ever-increase of the reproductive number as in to protoplasms of ens**

*The consequences are the same as : vicinity to Immortality of Ens; elimination of Ageing Death the Percentage Error Death et and so on*

### IV

In reproduction of protoplasms of ens there occurs the distribution and/or re-distribution of genes.

### V

*The rate of [increase of] distributions and/or re-distributions of genes will be as directly proportional to the rate of [increase of] number of relative generations of reproduction[s]*

*And vice-versa*

### VI

The rate of [increase of] distribution and/or re-distribution of genes as in to protoplasms of ens will be as directly proportional to the rate of [increase of] differentiation:evolution as in to the same [protoplasms of ens]

And vice-versa

### VII

*The rate of [increase of] distribution and/or re-distribution of genes will be as directly proportional to the rate of [increase of] the efficiency of the immunological system [immunology]*

*And vice-versa*

### VIII

*Jumping genes are part of [but not the whole] of distribution and/or re-distribution of genes*

## IX

**As in distribution and/or re-distribution of genes the mere and sheer factum:occurrence:progression of distribution and/or re-distribution is the equivalent:identity of the differentiation:evolution of the same [genes]**

Thus without any [or with very little] [bio]chemical differentiation the differentiation:evolution of protoplasms of ens will occur:progress

## X

As in distribution and/or re-distribution of genes the dilemma is solved whereby **at the same time** matter:energy [the gene particulae shifted as during distribution and/or re-distribution as in IX supra] remain the same **and** differentiation:evolution thereof is still achieved

## XI

Thus in reproduction over the generations of protoplasms of ens *the common ancestor is at the same time seen in the descendant offspring as he was that is unmixed* and at the same time is seen **as mixed with the other gene:particulae from the other families and/or protoplasms of ens that partook in the relative [sexual]**

**reproduction[s]**

17.1.2001

8.31 A M

Following to-day's works:

## I

The rate of [increase of] distribution and/or re-distribution of genes will be as directly proportional to the rate of [increase of] the reproductive number

And vice-versa

## II

From previous works:

The rate of [increase of] the reproductive number will be as directly proportional to the rate of [increase of] vicinity to s/c Immortality of Ens

And vice-versa

## III

Therefore:

And:

As by syllogistic reasoning:

The rate of [increase of] distribution and/or re-distribution of genes will be as directly proportional to the rate of [increase of] vicinity to s/c Immortality of Ens

And vice-versa

## IV

And when we say “vicinity to s/c Immortality of Ens” here we signify also the elimination, forestalling and arresting of the s/c Percentage Error, Disease, Death et

## V

Thus the sovereign import of to-day’s works lies in the revolutionary engineering import of the same

**For previously we had run into dilemmas with the necessity of engineering in a way to increase [ever-increase] the reproductive number on and on; now this dilemma is “skipped on” as we move towards the easier [in the engineering sense] task of *distribution and re-distribution of genes*.**

## VI

**And when we say “genes” we mean “gene particulae”**

And this as not only for to-day’s works.

## VII

Now the **physical:graphical mode** by which the distribution and re-distribution of genes will occur:progress will be by the *physical shuffling here and there [not very large distances but rather as in different positions]* as we indeed observe:perceive to occur:progress as in jumping genes q.v. and in the immunology q.v.

## VIII

Now in the immunology genes are shifted here and there like as to ship hands on a ship deck : this is a part of the distribution and re-distribution of genes.

**Now this has been going on all over our evolution to Homines Sapientes and to where we are : and indeed the rate of [increase of] our evolution to Homines Sapientes and therein [as Homines Sapientes] will be as directly proportional to the rate of [increase of] the continual successive [and increasing] distribution and/or re-distribution of genes as per the immunology**

**And vice-versa**

## IX

But this “immunological engineering” in which there occurs:progressess and there occurred:progressed the continual *increase of* distribution and/or re-distribution of genes has always been specific determinate and **as subject to a Limit.**

At this juncture we eunciate the Principle that:

**The rate of [increase of] operation:occurrence:progression of this Limit will be as inversely proportional to the rate of [increase of] ever-increase of distribution and re-distribution of genes**

**And vice-versa**

And further:

*The rate of [increase of] evolution of Homines Sapientes has always been and will be [in the Ideal State and as in to the Practical State] as directly proportional to the rate of [increase of] occurrence:progression of [ever-increase] of distribution and/or re-distribution of genes*

**And vice-versa**

Further:

**The rate of [increase of] occurrence:progression of distribution and/or re-distribution of genes [as over the generations in reproduction] will be[4] as directly proportional to the rate of [increase of] the life span or life time of the relative protoplasms of ens[5]**

**And vice-versa[6]**

**But as above mentioned there is the Limit; the rate of distribution and re-distribution of genes has occurred:progressed both continually and as on the increase : still it is and has been relatively too low.**

Therefore our life-span is also and has also been limited; its is moving to s/c Immortality of Ens - but slowly; our engineering comes into the scene and increases this rate of [increase of] occurrence;progression to s/c Immortality of Ens to such heights as to be in the vicinity of and indeed as in to the full companionship of Immortality of Ens

17/1/2001

4.15 P M

## I

The rate of [increase of] the occurrence:progression of the emotions as in to the gene:particulae of protoplasms of ens will be as directly proportional to the rate of [increase of] the distribution and/or re-distribution of gene:particulae in the same [protoplasms of ens]

And vice-versa

## II

As the emotions blow like as to winds over the decks of clusters of gene:particulae the same [gene:particulae] are physically:graphically moved to and fro in the actus of distribution and/or re-distribution of gene:particulae

## III

Therefore:

And:

As by syllogistic reasoning:

The rate of [increase of] the occurrence:progression of the emotions as in to protoplasms of ens will be as directly proportional to the rate of [increase of] vicinity to elimination of the s/c Percentage Error, Disease, Death and vicinity to s/c Immortality of Ens

**And vice-versa**

18/1/2001

11.11 P M

Dialogue:

Pomtus:

Cintius:

Sixtius:

Pomtus : I shall be brief to-day. And I shall address *as to occurrence:progression of the [bio]chemistry and the genetics in to protoplasms of ens*. I assert that that the [bio]chemistry and the genetics differentiate all and any protoplasms of ens and are the vehicles in which the increasing differentiation and further evolution of all and any protoplasms of ens - nay, of the s/c life process[ess] - occurred and progressed. And indeed they are and will be the vehicles of the same - and in increasing modes.

Nay not only what has been asserted in the preceding paragraph occurs:progressess as regards

*Indeed we might assert that the operation:occurrence:progression of the [bio]chemistry and the genetics as in to protoplasms of ens are the equivalent:identities in terms of the Principle of Equivalent:Identity q.v. of all and any evolution*

Cintius : I shall assert that *as in chronological order* the [bio]chemistry occurs:progressess first, then the genetics. This occurred:progressed at the level of the very initium of the s/c life:process[ess] and of its initial constitution:genesis.

*But as soon as the level of protoplasms of ens is reached then - and simultaneously therewith - we reach the level of reproduction.*

*And as with the level of reproduction we reach as simultaneously therewith the level of the genetics.*

Sixtius : Indeed in these respects we might enunciate the following **Three Principles** namely:

That:

*Principle A:*

The rate of [increase of] vicinity to the s/c life:process[ess] will be as directly proportional to the rate of [increase of] combination:differentiation of the [bio]chemistry

**And vice-versa**

*Principle B:*

The rate of [increase of] vicinity of the s/c life:process[ess] to the [level of] specific protoplasms of ens will be as directly proportional to the rate of [increase of] vicinity to reproduction et

**And vice-versa**

*Principle C:*

The rate of [increase of] vicinity of the reproduction-over-the generations [reproduction] in the specific protoplasms of ens will be as directly proportional to the rate of [increase of] the occurrence:progression of the genetics

**And vice-versa**

Pomtus : I shall further assert that as the genetics evolved over the succeeding generations of reproduction[s] of protoplasms of ens as per the above mentioned Principle C *the rate of occurrence:progression of the same [genetics] increased and the rate of occurrence:progression of the [bio]chemistry [that is as **new** biochemical combinations as contrasted with **routine** biochemical combination]* and that all this occurs in proportion.

Thus we enunciate the Principle that:

**The rate of [increase of] occurrence:progression of the genetics as in to all and any protoplasms of ens will be as *inversely* proportional to the rate of [increase of] *new* [bio]chemistry as in to the same**

**And vice-versa**

And further:

**The rate of [increase of] occurrence:progression of *new* biochemistry as in to protoplasms of ens will be as *inversely* proportional to the rate of [increase of] occurrence:progression of *routine* [bio]chemistry as in to the same**

**And vice-versa**

And further:

And as by syllogistic reasoning:

**The rate of [increase of] the genetics as in to protoplasms of ens will be as *inversely* proportional to the rate of [increase of] occurrence:progression of *routine* [bio]chemistry as in to the same**

**And vice-versa**

At this juncture I shall deem fit to signify and manifest what is *new* [bio]chemistry and what is *routine* [bio]chemistry.

All and any [bio]chemistry that occurs:progressess as in to the relative specific determinate protoplasms of ens daily, from day to day and on a day to day basis will be *routine* [bio]chemistry. Its path is observable to occur:progress cyclically and it is prevedible.

Not so *new* [bio]chemistry. In this - particularly [if not exclusively] where a variation:reception has entered in to the relative protoplasms of ens - *new* [bio]chemical combination[s] occurs:progressess. Previously therefore there occurred:progressed no such [bio]chemical combination[s] as in to the relative protoplasms of ens.

**Cintius : I shall next turn to the Principle that asserts that The occurrence:progression of the genetics *or rather of the distribution and/or re-distribution of the gene:particlae as per our recent works* is the equivalent:identity of an immense number[s] of [bio]chemical combination[s] and the relative combinations and permutations thereof**

We shall express all this as in to algebraic form thus:

Let d = the rate of [increase of] distribution and/or re-distribution of the gene:particlae [as per our recent works]

And:

Let n = the rate of [increase of] number of [bio]chemical combination[s]

And:

Let p = the number of gene particlae moved as in to the relative [bio]chemical combination[s]

And:

Let o = the number of permutations and combinations of the [bio]chemical combination[s] themselves

Therefore

And

accordingly:

$$d = n \times p \times o$$

And:

As by algebraic transformation:

$$n = d \text{ divided by } [p \times o]$$

And:

$p = d \text{ divided by } [n \times o]$

And:

$o = d \text{ divided by } [p \times n]$

Pomtus : I shall conclude by describing briefly and graphically the physical acti of distribution and/or re-distribution of gene:particlae vis-a-vis the [bio]chemical combination[s].

*As these gene particlae are moven here and there all over the “deck” wherein they lie the differetiatioms thus obtained and as occurring:progressing will be the equivalent:identity [in terms of the Principle of Equivalent:identity q.v] of **an immense ever-increasing [though always non-infinite] number of [bio]chemical combination[s]***

***The result is that ever-increases [without any limit either in the Ideal State or in the Practical State] of the reproductive number[s] is obtainable and obtained. Thus the “dilemma of the reproductive number[s]” [in order to reach s/c immortality of Ens et as in engineering] is “by-passed” and eliminated.***

**At which point I shall close the present Dialogue.**

21/1/2001

9.00 A.M.

I assert that our recent works that is the works of our recent days this month [January 2001] have manifested not only how through the constant accelerated and ever-increasing distribution and/or re-distribution of gene:particlae we attain to s/c Immortality of Ens but further that *this increases the immunology such that that disease like the viral diseases and HIV/AIDS et are eliminated*

*Thus as through the utter distribution and/or re-distribution of gene:particlae the immunology is raised to astronomical heights in ever-increasing mode; the Percentage Error Disease and Death are eliminated; and s/c Immortality of Ens is ushered in to substitute the same.*

But more than this the “underlying” principle is that of distribution and/or re-distribution of chunks of matter:energy, of particlae

**This distribution and/or re-distribution of these chunks of matter:energy, of particlae when accelerated and in-ever-increase is the equivalent:identity of the s/c living process[ess]**

**It is here that we are at the very “secret of life”**

Thus we enunciate the Principle

That

**The rate of [increase of] distribution and/or re-distribution of chunks of matter:energy, of particulae in acceleration and in-ever-increase will be as directly proportional to the rate of [increase of] vicinity to the s/c life process[ess]**

**And vice-versa**

24/1/2001

10.35 A M

**Inexhaustible Permutations and Combinations in the Occurrence:Progression of [Bio]chemical Combination**

We must consider that in [bio]chemical combination there is an inexhaustible permutations and combinations

And all this akin to the Theory of Inexhaustible Hypotheses as per our work The Spirit of Metaphysics [1977]

And what is said of [bio]chemical combination is saith as well as of chemical combination

But when and if chemical combination reaches higher and higher levels of permutations and combinations then it will become [bio]chemical combination the level of the s/c life process[ess] will be automatically reached in the Logical State as well as in to the Practical State

**Inexhaustible Permutations and Combinations can be made either to whole sets or clusters of molecules or to individual molecules in to the whole sets**

Now these permutations and combinations can be made either to whole sets or clusters of molecules in which case even though the number of permutations and combinations be high, still it will occur:progress relatively little as in to individual molecules considering that the number of permutations and combinations of the whole set or cluster of molecules is to be divided by the number [individual number] of the molecules in the relative set or cluster

Thus even though the number of permutations and combinations be high if divided by the number of molecules in the set:cluster will be rather low or even if high not so high as the number of permutations and combinations to the whole set:cluster [of molecules [relative molecules]]

I say that if permutations and combinations are made to *sets:clusters* rather than to *individual molecules* the chances of a single individual molecule in the set:cluster to be in permutation and combination will not be exceedingly high if the number of molecules in the sets:clusters is not exceedingly low - all this is to be retained as governed by the principles of probability and chance and as by common sense.

Therefore I say especially from the engineering point of view permutations and combinations must be made to the individual molecules rather than to the set:cluster of the same.

**The Rate [of increase of] at which Inexhaustible Permutations and Combinations if made to individual molecules rather than to the whole set of molecules is directly proportional to the rate of [increase of] acceleration of differentiation in [bio]chemical combination[s]**

**And vice-versa**

What has been manifested above leads us to the conclusion that permutations and combinations made to individual molecules will result in an acceleration of [bio]chemical combination[s] relative thereto in as direct proportion to the rate of [increase of] the relative permutations and combinations

Now I opine that if permutations and combinations be made to sets:clusters of molecules a very high rate of acceleration can still be reached *notwithstanding that permutations and combinations are not being made to the individual molecules as required by the Engineering Assertion above manifested.*

But what is certain - and on this emphasis is to be laid - a much higher acceleration will result - indeed one expects a multiple of acceleration to result if and were permutations and combinations to be made to the individual molecules[rather than to the sets:clusters].

I shall assert the Principle that in the mass universe there is no matter:energy that cannot be engineered to reproduce itself-in-copy

And further that:

*In the mass universe there is no engineering limit to the ever-increase of production of such copies-in-reproduction*

And further that:

*In to the mass universe the ever-increase of production of copies-in to-reproduction is as of **all and any** matter:energy whatever*

Therefore as by corollary:

*All the Three Principles enunciated as per to-day's works must occur:progress as in to the s/c life-process[ess]*

And further:

*Therefore and accordingly there is and there can be no matter:energy whatever that is not liable to ever-increase of copies-in-to-reproduction **in the least** as by engineering means*

Thus:

*In to the reproduction of all and any protoplasm of ens there is and there can be no [in the least engineering] limit to ever-increase of copies-in to-reproduction of all and any matter energy*

“All and any matter:energy” we say : that is including the sperm as well as the female egg cells.

That is:

Following as on and as subsequent to to-day's works sequitur that there is and there can be no engineering limit to the engineered production of copies-in to-reproduction in ever-increase of the sperm cells as well as of the female egg cells

It is the relative engineering method:mode[s] that has to be studied and delivered as in to the future : but the path [in the Ideal State and therefore and accordingly as in to the Practical State] is very manifest.

The consequence of all these works is immensely revolutionary : by the production of copies-in to-reproduction in ever-increase as by engineering methods:modes of the sperm and the female egg cells

*all infertility is eliminated*

Thus we enunciate as a Principle that:

*The rate of [increase of] at which the sperm and the female egg cells are produced*

*as copies-in to-reproduction in ever-increase as by engineering methods:modes will be as directly proportional to the rate of [increase of] fertility in to the relative protoplasm of ens*

**And vice-versa**

Further:

*The rate of [increase of] fertility in all and any protoplasm of ens will be as **inversely** proportional to the rate of [increase of] infertility as in to the same [protoplasm of ens]*

**And vice-versa**

28/1/2001

7.59 A M

*This Principle I term the Principle of Acceleration of Differentiation in [Bio]chemical Combination[s]*

**The Engineering Import of the Principle of Acceleration in [Bio]chemical Differentiation**

The engineering acceleration of differentiation thus obtained will increase the reproductive number of protoplasmic forms at will and consequently to vicinity to s/c Immortality of Ens.

This one single reason will suffice to ensure a very high import for the Principle of Acceleration in [Bio]chemical Differentiation

**Principle that the rate of [increase of] occurrence:progression of the Principle of Acceleration in [Bio]chemical Differentiation will be as directly proportional to the rate of [increase of] number of [bio]chemical combination[s] [n]**

The Principle of *Acceleration in [Bio]chemical Differentiation* asserted in to-day's works rests on mathematical - or rather arithmetical - considerations.

These considerations provide an engineering strength:efficiency as is to be expected from such mathematical:arithmetical considerations.

Measurements of strength:efficiency can obviously also be taken and be of great import at different stages of the engineering process.

23/12/2000

*In pluripotent cells there must [as in to the Ideal State and as in to the Practical State] be a spring that was previously wound up and that on winding moves the gene:particlae in distribution and/or re-distribution thereof **more** than as occurs in other cells [say multipotent cells]*

## II

*The rate of [increase of] potency [P] of cells will be as directly proportional to the rate of [increase of] length of the spring [l] multiplied by the rate of winding [w] thereof*

### **And vice-versa**

As in to algebraic form:

$$[P] = [l] \times [w]$$

and:

$$[l] = [P] \text{ divided by } [w]$$

and:

$$[w] = [P] \text{ divided by } [l]$$

## III

*The rate of [increase of] winding of any matter:energy will as directly proportional to the rate of [increase of] its subsisting as a **higher energy** percentage than as a **higher mass** percentage*

### **And vice-versa**

That is:

*Following the Principle of Mass:Energy Percentage q.v. the winding will never be = 100% or = 0% mass percentage or energy percentage but always ---> 100% [tnri] or ----> 0% [tnri]*

*But the energy percentage will be higher than the mass percentage as per Principle III supra*

28/1/2001

## ON THE GENESIS AND ENGINEERING OF PLURIPOTENT CELLS:

### I

*In to all protoplasms of ens the rate of [increase of] energy:motion[s] will be as directly proportional to the rate of [increase of] function[s] as in to the same*

*And vice-versa*

### II

*In to all and any protoplasms of ens the rate of [decrease of] one type of function at any one absolute time:space site will be as directly proportional to the rate of [increase of] other/another type of function at the same [site]*

*And vice-versa*

### III

*In to all and any protoplasms of ens all functions are **functions-to-structure** or **functions-to-day-to-day-motion***

### IV

*In to all and any protoplasms of ens the rate of [increase of] occurrence:progression of functions-to-structure at any absolute specific time:space site will be as inversely proportional to the rate of [increase of] occurrence:progression of functions-to-day-to-day-motion*

*And vice-versa*

## V

*In to all and any protoplasms of ens the rate of occurrence:progression of functions-to-structure is never = 0% or = 100% but ---> 0% [tnri] or ---> 100% [tnri]*

## VI

*In to all and any protoplasms of ens the rate of occurrence:progression of functions-to-day-to-day-motion is never = 0% or = 100% but ---> 0% [tnri] or ---> 100% [tnri]*

## VII

In to all and any protoplasms of ens at any one specific absolute time:space moment[s] there occurs:progressess a percentage of functions-to-structure however minimal and a percentage of functions-to-day-to-day motion however minimal

## VIII

The percentage as in VII operates:occurs:progressess like as un to the mass:energy percentage

## IX

And there will occur:progress a Principle of Functions-to-Structure:Functions-to-day-to-day motion Percentage like as un to the Principe of Mass:Energy Percentage q.v.

## X

*As in to protoplasms of ens the rate of [increase of] occurrence:progression of functions-to-structure will be as inversely proportional to the rate of [increase of] occurrence:progression of functions-to-day-to-day motion*

*And vice-versa*

## XI

*As in to protoplasms of ens the rate of [increase of] occurrence:progression of functions-to-structure will be as directly proportional to the rate of [increase of] the relative cells to be pluripotent*

**And vice-versa**

This Principle accordingly I shall term the Principle of Genesis of Pluripotent Cell[s]

## XII

The engineering import of to-day's works lies in the engineering at our will [obviously by the appropriate modes and means] of cells, otherwise non-pluri-potent, to pluri-potent cells

### XIII

Thus ever-increasing numbers of pluri-potent cells are:can be produced as in engineering at our will and discretion

### XIV

The significance of our making occur:progress pluripotent cells is immense : apart from the genetic consequences in elimination of disease[s] et **there is also the elimination of infertility as in to all protoplasms of ens [including Homines Sapientes]**

### XV

And by the distribution and/or re-distribution of gene:particlae we will arrive at **our altering the content:day-to-day function of cells at will**

30/1/2001

Dialogue:

Pomtus:

Cintius:

Sixtius:

Pomtus : I shall from the very first of our Dialogue assert to-day's Principle namely that In to all protoplasms of ens the motions:phaenomena:occurrences:progressions of the cell particulae are the equivalent:identities[7] of the behaviour,physiology and character of the relative protoplasms of ens

### **And vice-versa**

Note the revolutionary import of the Vice-versa here.

This Principle I shall term the Principle of Behaviour:Motion Identity q.v.

Cintius : Which Principle must be manifested by instance[s] as I shall be doing presently. Thus the *restlessness* [so I shall term it and hope that I have termed properly] of protoplasms of ens as immediately prior to and during [and a little after] the sexual act of copulation is the equivalent:identity of wave:particulae in the cell as they struggle restlessly together swimming in the cell as can be observed under the microscope.

Sixtius : Thus **restlessness** in itself and as by itself is one of the characteristics of the motions of wave:particulae and/or gene:particulae as in to the cell as well as "outside" the body ens of protoplasms of ens itself namely in its rather relatively restless behaviour as it struggles in its evolution with the s/c living process[ess] and as with reproduction q.v.

*Thus restlessness as in to protoplasms of ens is the equivalent:identity of the propensity to survival*

This can be further enunciated as in to a Principle namely that:

*The rate of [increase of] restlessness as in to protoplasms of ens will be as directly proportional to the rate of [increase of] its propensity to survive*

### **And vice-versa**

This I shall term the Principle of Restlessness q.v.

Pomtus : This term restlessness[8] I consider as *the key* to the evolution of all and any protoplasms of ens.

Indeed I assert that Were the restlessness percentage of all and any protoplasms of ens to be very small, then the rate of propensity to evolution of the same[9] will be accordingly and in as direct proportion small

Indeed at this juncture we enunciate the Principle

that

*The rate of [increase of] occurrence:progression of restlessness percentage as in to any protoplasms of ens will be as directly proportional to the rate of [increase of] occurrence:progression of evolution as in to the same*

### **And vice-versa**

Cintius : I shall further assert that another manifestation of this restlessness percentage [Principle] as well as the Principle of Behaviour:motion Identity q.v. is manifested in the body-ens [especially as in to the genitalia] and the **behaviour** respectively of the **male** and of the **female**

Now this is manifest as in to all protoplasm[s] of ens and indeed as in to all s/c living process[ess].

But the more so as in to Homines Sapientes.

And is as direct proportion.

The which will prompt us to the enunciation of the Principle that:

The rate of [increase of] occurrence:progression of **the Principle of Behaviour:Motion Identity** q.v. will be as directly proportional to the rate of [increase of] evolution in to the relative protoplasm[s] of ens

#### **And vice-versa**

[Note the sovereign import of the *Vice-Versa* here]

*Sixtius : Id est as through the Vice-versa that is as by our engineering properly and efficiently through the Behaviour et of the protoplasm[s] of ens will be in as direct proportion engineer as through the Motion of the Gene:Particulae as in to the Cell[s] thereof; and this will be in as direct proportion to the rate of [increase of] evolution of:in to the same [protoplasm[s] of ens]*

#### **And vice-versa**

Pomtus : This combines also the Vice-versa of the aforesaid Principle of Behaviour:Motion Identity q.v. namely that:

By engineering as through the Behaviour et we engineer the Motion et of the Gene:particulae in the cell[s] of the relative protoplasm[s] of ens.

*This is the equivalent:identity of the same relative to our engineering of the Emotions:feelings q.v. as manifested in our earlier works q.v.*

Thus we shall connect and link with the **Principle of Distribution and/or Re-distribution of Gene:Particulae** q.v. as per our earlier works by the enunciation of the following Principle namely:

That:

*The rate of [increase of] occurrence:progression of the Principle of Behaviour:motion Identity q.v. will be as directly proportional to the rate of [increase of] occurrence:progression of the Principle of Distribution and/or Re-distribution of Gene:Particulae*

#### **And vice-versa**

By the enunciation of which I shall deem fit to close this Dialogue with the injunction however to further and further studies consequent to to-day's works.

10/2/2001

**St Paul's Feast Day**



## **I**

In to the mass universe the rate of [increase of] motion of matter:energy as from the Physics to the [Bio]chemistry will be as directly proportional to the rate of [increase of] amendment of the Principles of Physics

And vice-versa

## **II**

The rate of [increase of] amendment of the Principles of Physics will be as directly proportional to the rate of [increase of] amendment of Phaenomena

And vice-versa

## **III**

The rate of [increase of] amendment of the Principles of Physics never prejudices or decreases in any way the occurrence:progression of the same [Principles of Physics]

4/2/2001

8.47 A M

As in to the mass universe the proportionality [whether direct or inverse] as between any matter:energies that otherwise form part of the same [mass universe] is to hold [in the sense of “proof” of:in the “old” science] by:in the mere fact of its proportionality.

And when we say “matter:energies” we signify also and as well the qualities of the same [matter:energy] : since that - as manifested in our earlier works - qualities are aggregata of quantities.

And reference should in fine be made to the Principles of Proportionality as in to the mass universe of Saint George’s Feast Day of several years ago.

11/2/2001

8.15 A M



Further to and following to-day's works:

The mere and sheer proportionality as manifested in to-day's works is the equivalent:identity[10] of the proportionality as between concurring mathematical statements.

Now at this juncture I shall deem fit to manifest what we signify as by *concurring mathematical statements*.

Thus the agreement between one side and another of the equation and between one equation and the next as well as other operations [whether in calculus, harmonics et] as in algebra et will be *agreement in so far and to the extent that there is concurrence as between the "concurring" sides*; in the arithmetic this concurrence is in the succession of operations:progressions by the which number follows number *in a concurring modus* such that the succession[s] thus resultant will be the arithmetrical operation:resultant; in the geometry and the trigonometry et the concurrence is *more graphically apparent as proportion*

Thus we enunciate that:

**As in to the mathematics the rate of [increase of] concurrence will be as directly proportional to the rate of [increase of] "correctness" of the relative mathematical operations:progressions**

**And vice-versa**

Further:

*The rate of [increase of] concurrence of any operation:progression will be as directly proportional to the rate of [increase of] proportionality [direct or inverse] as between matter:energies and/or qualities of the same*

**And vice-versa**

Further:

*The concurrence of any operation:progression and the proportionality [direct or inverse] of the same are[11] and will be[12] the equivalent:identities in terms of the Principle of Equivalent:Identity q.v. of the proportion [direct or inverse] as between matter:energies and/or qualities of the same [matter:energies]*

All these works of to-day are the equivalent:identity [in terms of the Principle of Equivalent:Identity] of the "old" notion of "proof" as per the "old" science[s]

11/2/2001

6.23 P M

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## I

As in to the mass universe, the rate of [increase of] occurrence:progression of any phaenomenon will be as directly proportional to the rate of [increase of] to the rate of occurrence:progression of proportionality as in to the matter:energies and/or qualities thereof of the same [phaenomenon]

### **And vice-versa**

*Note the import of the Vice-versa here*

## II

In to the mass universe, the rate of [increase of] occurrence:progression of proportionality will be as directly proportional to the rate of [increase of] occurrence:progression of the same [proportionality] in *all its dimensions simultaneously*

And vice-versa

## III

Proportionality occurs:progressess as into the following dimensions : *the graphical:ideal; the ideal:physical and the graphical:physical*

Graphical:ideal proportion : as in the case of geometrical figures et

Ideal:physical proportion : as in the case of phaenomena perceived:sensed by **all** the senses namely : sight touch et

*Graphical:physical proportion : as in the case of phaenomena sighted and felt[13] as simultaneously[14]*

We shall term these dimensions as the **Three Dimensions** in which proportionality occurs.

#### **IV**

*As in to the mass universe the rate of [increase of] at which interruption:suspension of proportion occurs:progressess will be as directly proportional to the rate of [increase of] disruption:suspension of occurrence:progression[15] of the same*

*And vice-versa*

#### **V**

*As in to the mass universe the rate of [increase of] disruption:suspension of occurrence:progression of matter:energies:phaenomena will be as directly proportional to the rate of [increase of] suspension:non-occurrence:non:progression of the Principle of Mass:Energy Percentage*

*And vice-versa*

#### **VI**

But the suspension et of the Principle of Mass:Energy Percentage cannot[16] and will not[17] occur:progress

*Otherwise the break-down of the mass universe must[18] and will[19] occur:progress*

#### **VII**

*Therefore and accordingly as in to the mass universe proportion must[20] and will[21] occur:progress*

*This work is to be retained as a continuation as in to one woof with to-day's other works q.v.*

11/2/2001

7.49 P M

## LETTERS ON SCIENCE

### Series A

#### Letter I

1.As manifested in our previous works of Saint George's Feast Day [I think of 1993 or more correct year] the mass universe is the utter manifestation of *proportion* in all the basic Principles that govern it right as from the Rim inwards.

2.*From the **Rim** inwards* we say : that is there is[22] and there cannot be[23] any part however minimal of the expanding mass universe in which these Principles of Proportion do not reign sovereign.

3.That is *as the ever-expanding universe expands* the sovereign rule of proportion holds sway with equal and undiminishing sovereignty:suzerainty over all the expanding [ever-expanding] areas:zones of the mass universe from the original Rim *outwards* ito time:space formerly occupied by and pertaining to the mentalist universe.

4.And the same as has been affirmed in 3 above is to be affirmed of the *inwards expansion* of the mass universe from the Rim of the mass universe : this inwards expansion is the equivalent:identity[24] of the evolution of matter:energy as in to the mass universe and is as directly proportional thereto.

5.Such that we enunciate the Principle that:

*The rate of [increase of] of inwards expansion of the mass universe will be as directly proportional to the rate of [increase of] occurrence:progression of evolution as in to the same*

#### And vice-versa

6.Therefore we might affirm that the continous ever-increasing expansion of the mass universe is the pump, the heart of the occurrence:progression of physicalism of the mass universe. Otherwise the mass universe non-expanding and as immediately and as directly proportionately static would be one and the same with the surrounding mentalist universe and indeed *be swallowed up or rather gobbled up by it*

7.Expansion therefore is of the *genesis* of Physicalism as in to the mass universe

8.I cannot but enunciate the Principle that:

*In to the mass universe the rate of [increase of] expansion[25] will be as directly proportional to the rate of [increase of] genesis of Physicalism as in to the same [mass universe]*

**And vice-versa**

This Principle I term the Principle of Genesis of Physicalism as in to the Mass:Universe

9.Further : As mass:particle are transformed as in to wave:current particle in mass:energy transformations the rate of [increase of] the relative transformation will be as directly proportional to the rate of [increase of] expansion of the time:space in to which the mass:energy transformation occurs:progressess as in to a container

**And vice-versa**

10.The Vice-versa here is as of revolutionary import : Id est if the mass:energy transformation is from energy to mass : then **and in as direct proportion** the time:space surrounding the mass:energy transformation will **shrink:contract** rather than expand[26]

11.All these Principles are at the mechanics:dynamics - and ergo of the engineering - of:with all mass:energy transformations.

4/3/2001

8.15 A M

The rate of [increase of] subsistence of gene:particlae as in to the vicinity of the solid state will be as inversely proportional to the rate of [increase of] distribution and/or re-distribution of the same [gene particlae]

**And vice-versa**

Therefore and accordingly the engineering indication is for the rate of solidity to decrease such that the propensity to [increase of] the rate of distribution and/or re-distribution of gene:particlae will be increased such in the engineering mode as to lead to -----> s/c Immortality of Ens.

*But on the other hand there is a Limit in which the rate of decrease of solidity of gene:particlae will operate:progress*

This Limit will be such as to result from the following Principle namely:

*The rate of [increase of] decrease of solidity of gene:particlae will be as directly proportional to the rate of [increase of] propensity to loss of their identity*

**And vice-versa**

But what loses its identity is not in as direct proportion to the rate of [increase of] loss of that identity

**And vice-versa**

Now the rate [of increase of] at which as gene:particlae is not will be as directly proportional to the rate of [increase of] its distance from the rate of [increase of] its propensity to distribution and/or re-distribution

**And vice-versa**

18/2/2001

Dialogue:

Pomtus:

Cintius:

Sixtius:

Pomtus : This Dialogue will be very short and will deal with the subject of *shape* in the context of occurrence:progression of Phaenomena and of the occurrence:progression of evolving energy:matter as in to the mass universe.

Cintius : And above all we shall deal with the import and significance of the same [shape]

Sixtius : But I ask : Does shape or can shape have import or significance as abovementioned? If so, what it is this [import and significance]? And are there any Principles governing the occurrence:progression as of the same?

Pomtus : Now to gauge the import and significance of shape as between phaenomena or matter:energies [as in comparison]

I. we must consider phaenomena and matter:energies that are as nearest and/or most similar to each other

*II. from this we can extend then as by degrees [gradual degrees] to phaenomena and matter:energies that are less similar and/or less near to each other as per I supra*

*III. the rate of [increase of] variation of shape as between phaenomena and/or matter:energies show most [manifests most] in as direct proportion to the rate of [increase of] nearness and/or similarity of the same [phaenomena and/or matter:energies] to each other*

### **And vice-versa**

Cintius : This Third Principle [III] is manifested by a very simple manifestation : Suppose that we take the same area in any two protoplasms of ens [say Homines Sapientes] and compare the respective shape thereof finding that the shape of one [say the s/c cancer[ous] growth[s]] is different from the other [the s/c “normal” growth[s]]

Sixtius : Which I think closes our present *Dialogue* with the injunction to further study.

25/2/2001

## LETTERS ON SCIENCE

### Series A

#### Letter III

1. The non-linear motion referred to in to-day's works with regards to the s/c living process[ess] has a high percentage of **randomness percentage**

2. But this randomness percentage - like as say the mass:energy percentage[s] - will never[27] and can never[28]

be = 100% but will always ---> 100% though never reaching it.

3. The **relativity** of this randomness percentage is further manifest in this Principle which we enunciate thus:

*The rate of [increase of] randomness percentage as in to the motions of protoplasm[s] of ens[29] will be as inversely proportional to the rate of [increase of] propensity to s/c cancer[ous] growth[s]*

#### And vice-versa

4. The engineering import of the above is very manifest

*5. For by engineering such as to increase to the required extent the rate of randomness as above-mentioned in like mode and to the same extent and as in proportion we increase [as by the same engineering modes] the rate of propensity to the forestalling, elimination and removal of s/c cancer[ous] growth[s]*

#### And vice-versa

12/3/2001

Eve of My Own Birthday

3.51 P.M.

## LETTERS ON SCIENCE

### Series A

#### Letter II

1. In the mass universe from the Rim inwards there is a great prevalence of *linear motion*
2. The *linearity of motion* is manifested in all the phenomena in the mass universe that occupy great spaces including the celestial bodies themselves.
3. But the rate of [increase of] occurrence:progression of *linearity of motion* will be as directly proportional to the rate of [increase of] occurrence:progression of the s/c non-living process[ess]

#### And vice-versa

We shall dwell further on the immense import of the *Vice-versa* further on.

4. Moreover in to the mass universe the occurrence:progression of gravitation, sound, heat and so on occur *always as in to linearity of motion unless otherwise required by some other Principle*.
5. We say “unless otherwise required by some other specific Principle” because in *sound* sound-waves might travel at specific particular times:spaces as in *cyclical motion* [take the instance of a stone dropt in a pool and the ripples on the water]
6. Thus we can enunciate the Principle that[30]

*Saving the occurrence:progression of any other specific particular Principle, as in to the mass universe the rate of [increase of] occurrence:progression of gravitation, sound, heat and so on[31] will be as **directly** proportional to the rate of [increase of] occurrence:progression of linear motion*

#### And vice-versa

Now this Principle holds like as any other Principle : the exceptions thereto do not and can not[32] occur:progress as by any **caprice** but as by any other **specific Principle**

7. But in the s/c life-process[ess] the occurrence:progression of **motion** does not occur as in linear mode but as accordant to the **Principle of Restlessness**
8. And in the **Principle of Restlessness** ever-sub-dividing particulae move hither and thither as in restless motion : that is here ad there, covering relatively short distances and as in all directions “at whim” “as occurs” and “in the most irregular:random of modes”
9. This is the motion that we perceive as in to protoplasm of ens especially in the cells thereof :

*but in the division of cells this motion as accordant to the Principle of Restlessness diminishes and linearity of motion increases*

10.Indeed we might enunciate that:

*The rate of [increase of] vicinity to division of cells will be as directly proportional to the rate of [increase of] linearity of motion*

**And vice-versa**

11.And further:

*The rate of [increase of] vicinity to division of cells will be as **inversely** proportional to the rate of [increase of] occurrence:progression of motion as accordant to the Principle of Restlessness*

**And vice-versa**

12.At this juncture I must assert that the Principle of Restlessness and the Brownian motion are equivalent:identities in terms of the Principle of Equivalent:identity q.v.

13.I shall further enunciate:

*The rate of [increase of] at which matter:energy is built up and/or constituted as in to protoplasm of ens will be as directly proportional to the rate of [increase of] occurrence:progression of motion as accordant to the Principle of Restlessness*

**And vice-versa**

14.Thus as by syllogistic reasoning we assert that:

*The rate of [increase of] of occurrence:progression of the Principle of Restlessness will be as **inversely** proportional to the rate of [increase of] occurrence:progression of linearity of motion*

**And vice-versa**

15.And further:

*As in to protoplasm of ens the rate of [increase of] at which matter:energy is built up and/or constituted will be as inversely proportional to the rate of [increase of] division of cells*

**And vice-versa**

11/3/2001

Eve of My Own Birthday

9.31 A M.

## **ON THE CONCEPT OF TEMPERATURE IN THE BIOCHEMISTRY:**

- 1** Temperature : Definition Types and Principles
- 2** Temperature in Reference Frames Prior to [Bio]chemical Combination
- 3** Temperature in Reference Frames After [Bio]chemical Combination
- 4** Temperature : During [Bio]chemical Combination
- 5** Temperature in Reference Frames In To [Bio]chemical Combination
- 6** Temperature : As Exprest in Current Waves
- 7** Temperature : As Exprest in Time Units
- 8** Temperature : As Exprest in Space Units
- 9** The Evolution of Temperature
- 10** Temperature : Principles of its Statistics
- 11** Temperature : Principles of its Dynamics
- 12** Temperature : Principles of its Quantum Physics Expression
- 13** Temperature : As The Progression of the Quantum Physics in [Bio]chemical Combination

#### **14 Temperature : Principles of its Engineering**

15 Temperature : Engineering of Temperature in to the [Bio]chemistry to Immortality of Ens

16 Temperature : Specimen Variations through a Succession of [Bio]chemical Combination[s]

17 Temperature : The Succession of Variations in Temperature through a Succession of [Bio]chemical Combinations as Constituted In To a Cycle

18 The Principle of the Temperature Cycle [as per 17 supra]

19 The Engineering of the Temperature Cycle : Principles Scope and Modes

20 The Engineering of the [Bio]chemistry of Genes through the Temperature

21 The Division of the *Actus* of [Bio]chemical Combination in to *Sub:Divisions as by Time*

22 The Division of the *Actus* of [Bio]chemical Combination in to *Sub:Divisions as by Space*

#### **23 The Expression of Temperature as *Gene:Particlae***

24 The Expression of Temperature as *Colliding Particlae*

25 The Expression of Temperature as *Reproducing Particlae*

26 The Expression of Temperature as a Succession of Reproducing:Reproduced Particlae from Ancestor Particlae

27 The Expression of Temperature as In To *Elements*

#### **28 The Expression of Temperature as In To *Compounds***

29 Temporary Conclusions [not Conclusions] as from these Works

22/11/2000

3.59 P M

Following today's works:

*The same that is saith of bonding - that is that it is not the genesis of the "holding together" of atoms in molecules and so on is to be said of the so-called "coding" "transcriptions" and so on that conventional science has put upon the progression forth of DNA.*

*I shall here assert **that DNA RNA and so on do not read, do not interpret, do not send or receive messages, do not communicate and so on and so forth - but - and this is important - fit as into each other as dictated by the Principles of Global Balance and of Contiguous Adjacent Reference Frames and the Principle of the Mass:Energy Percentage - and the particulae constituting the same[33] physically indent into each other as accordant to the Principle of Indentation of Particulae[34] q.v. and it is thus that the bits and pieces of the DNA RNA and so on seem[35] to communicate with each other.***

It not necessary to communicate to fit here : thus in conventional science **to fit one had to communicate** here in our works *we fit as accordant to the just mentioned Principles **without however any necessity**[36] to communicate*

And we do not need to communicate here.

**We need only to fit**

And that is what we are doing; and we are manifesting the physics:mechanics:dynamics[37] of all this [without reference to "coding" and so on : just as Newtonian gravitation had to lean on "Occult substances" as Leibnitz had pointed out.]

8/12/2000

**Feast-Day of the Immaculate Conception**

12.31 P M

1] In to protoplasms of ens the laws of polarity are not suspended; therefore these laws hold.

2] In to protoplasms of ens the laws of polarity do not change amend or bend; therefore these laws occur:progress as in to protoplasms of ens as they do in celestial spaces.

3] *In to protoplasms of ens the laws of polarity will occur:progress irrespective of the size [or rather tininess] of any reference frame or field they occur:progress in to*

4] The Principle of polarity that is most relevant in to protoplasms of ens is *like poles repel;unlike poles attract*; this I shall arbitrarily term **the Main Principle [of Polarity]**

5] In any molecule in any cell of protoplasms of ens the structure of all the matter:energy holds accordant to the Main Principle [of Polarity]

6] *In any reference frame or field the mass percentage and the energy percentage has a “fixed” situs; these siti being in adjacency “hold together” as they observe:follow the Main Principle of Polarity*

7] *Therefore and accordingly in any reference frame or field in the mass universe the “holding together” of the mass percentage and the energy percentage in immediately contiguous adjacent siti is the equivalent:identity of the occurrence:progression of the Main Principle of Polarity q.v.*

**8] Vice-versa from [7] supra : The Main Principle of Polarity occurs:progressess where and only where a mass percentage[s] and an energy percentage[s] “lie together” in immediately contiguous adjacent siti [as above manifested]**

9] The Main Principle of Polarity is therefore and accordingly the equivalent:identity in terms of the Principle of Equivalent:identity of the Principle of the Mass:Energy Percentage q.v.

10] Also the Main Principle of Polarity can be considered as the corollary of the Principle of Mass:Energy Percentage q.v.

11] *In any molecule in any cell of protoplasms of ens therefore the rate of [increase of] differentiation of structure as we pass from part:division:sub:division to immediately contiguous adjacent part:division:sub:division will be as directly proportional to the rate of [increase of] operation:progression of the Main Principle of the Mass:Energy Percentage*

#### **And vice-versa**

12] *Thus and accordingly too the rate of [increase of] differentiation in to the [bio]chemistry of molecules of cells of protoplasms of ens will be as directly proportional to the rate of [increase of] operation:progression of the Main Principle of the Mass:Energy Percentage*

#### **And vice-versa**

13] The structure of *any molecule* irrespective of the sub:divisions thereof is thus the equivalent:identity of the operation:progression of the Principles enunciated in to-day's works q.v.

14] In the mass universe the mass percentage must always be flanked by a situs of immediately adjacent contiguous energy percentage

Thus in the “celestial spaces” every mass percentage say a planet or other “celestial body” must be always flanked by an accompanying spatium of energy percentage. This accompanying spatium of energy percentage is the equivalent identity of the s/c “void spaces” in the “old” science and in the “old” philosophy.

15] As in to the cell, in to the atom into the molecule of protoplasms of ens every mass percentage situs must be accompanied by an immediately contiguous adjacent situs of energy percentage

*Thus the Principles as of to-day's works q.v. afford so to say an "X-ray" of even the tinst [in all senses dimensions et] molecule, particla, cell of protoplasms of ens, and indeed of all matter:energy as in to the mass universe.*

13/12/2000

**Republic Day**

8.45 A M

You will better your knowledge of the occurrence:progression in the [bio]chemistry when you will understand that the laws and principles of physics rule over it as well and when you discover how when and how they rule over it



[A]

The rate of [increase of] the [bio]chemistry to change state per specific time:space unit[s] will be as directly proportional to the rate of [increase of] of evolution of the same

**And vice-versa**

[B]

The rate of [increase of] the [bio]chemistry to change state per specific time:space unit[s] will be as directly proportional to the rate of [increase of] occurrence:progression of feeling[s]:emotion[s] as in to the same

**And vice-versa**

[C]

The rate of [increase of] the [bio]chemistry to change state per specific time:space unit[s] will be as directly proportional to the rate of [increase of] its propensity to extend

**And vice-versa**

[D]

The rate of [increase of] propensity of the [bio]chemistry to extend will be as directly proportional to the rate of [increase of] its propensity to divide [cell division]

And vice-versa

[E]

As by syllogistic reasoning:

From [C] and [D] above:

The rate of [increase of] the [bio]chemistry to change state per specific time:space unit[s] will be as directly proportional to the rate of [increase of] its propensity to divide

**And vice-versa**

17/12/2000

7.55 A M

## LETTERS ON SCIENCE

### SERIES A

#### LETTER IV

1. *In to the mass universe all phaenomena that occur:progress occur:progress as through controller[s]:controlled[s] format*

2. Now **death** is also a phaenomenon : therefore and accordingly it has to occur:progress as in to the controller:controlled format.

3. But what is the **controller** of death?

4. The answer to this query is of revolutionary import as in to the engineering of the same.

5. Now it is manifest that the *Principles* through which death occurs:progress are also Principles that are most *widespread*

The relative widespreadness of death is empirically observable it its immense proliferation in *absolute* time:space units

6. Further note what we have just asserted : *in absolute time:space units*

7. And following our earlier works : The rate of widespreadness of Principles will be as directly proportional to the rate of their basicity

**And vice-versa**

### **Hence the relative *basicity of death***

8. Also as manifested in our earlier works : The rate of basicity will be directly proportional to the rate at which any particular:specific Phaenomenon will occur:progress as through the least number of Principles possibly even approaching to a single monad Principle

9. Further the **genetical dimension** of any phaenomenon in the s/c living process[ess] must be taken.

10. Now death is the kin of and as within the world:domain of the s/c living process[ess]

11. Therefore and accordingly Death must be viewed:perceived as within its genetical dimension

18/3/2001

8.45 A M

## **LETTERS ON SCIENCE**

### **SERIES A**

#### **Letter V**

1. The Principles of Global Balance and of Contiguous Reference Frames occur:progress also as in to the s/c life:process[ess]

2. Therefore in zones containing differentiating matter:energy those particlae will lie next to each other that are nearest in differentiation to each other : that is : the differentiation of any one particla lying atwixt any other particla will be **the least possible and this differentiation will increase in as direct proportion to the rate of increase of distance of the "other" particla as from the relative particla - And vice-versa**

3. Therefore in the s/c life process[ess] differentiated and differentiating matter:energy will lie as in a scale with the differentiation from the relative particla increasing in as direct proportion to the distance from the same

#### 4. We shall term this scalar differentiation

And **we shall continue** in our future works with this term.

5. Now in our past works “scalar differentiation” as a term generally referred to *scalar differentiation of:*

[A] [bio]chemical matter:energies

[B] gene:particlae

[C] *The emotions:feeling and/or other matter:energies*

[Note the import of “and/or other matter:energies”]

6. Now in to-day’s works and at this juncture we shall enunciate the Principle that

#### I

*In to the mass universe all the matter:energy components of the **same** scalar differentiation[s] are as **directly proportional** to each other*

*And vice-versa*

#### II

*In to the mass universe the rate [of increase of] at which matter:energies in scalar differentiation[s] are the same will be as directly proportional to the rate [of increase of] direct proportionality to each other*

*And vice-versa*

#### III

*In to the mass universe the rate of [increase of] direct proportionality as in II multiplied by the **number of quantities:qualities-in-proportion** will be as directly proportional to the rate of [increase of] the rate at which the same [quantities:qualities-in-proportion] will subsist as in **continously fluctuating wave:particla form:mode:frame***

**And vice-versa**

7. Now the Three Principles just enunciated as in [6] all manifest a **proportion** [direct proportion] as between:amongst all the relative quantities:qualities

8. We shall term this proportion [direct proportion] as at [7] **the scalar proportion**

9. Further:

We enunciate the Principle:

That:

*The rate of [increase of] occurrence:progression of scalar proportion will be as **inversely** proportional to the rate of [increase of] propensity to occurrence:progression of s/c cancer[ous] growth[s]*

**And vice-versa**

10.What a great and revolutionary Principle of engineering import relative to s/c cancer[ous] growth[s]!

11.And I deem that we must study on these lines and works of to-day *further*

*More hard work will yeild up further gold from this gold field discovered as in to-day's works.*

19/3/2001

**St Joseph's Feast Day**

**LETTERS ON SCIENCE**

**Series A**

**Letter VI**

1. In to the mass universe all matter:energy from the Rim inwards **will have a propensity to motion.**

2. *In to the mass universe the rate of [increase of] propensity to motion will be as directly proportional to the rate of [increase of] propensity to change*

### **And vice-versa**

3. The import of the Vice-versa here is revolutionary : In to the mass universe there will not/38/ and there cannot/39/ be change without motion and also no motion without change

4. To “motion without change” there is one exception which is in itself a Principle : namely **the Principle of Cyclic Motion** q.v.[40]

5. Now in to the mass universe all motion will have these dimensions namely:

the dimension whereby motion is continuous “in perpetuity” - we shall term this Dimension A

the dimension whereby motion is continuous **for a specific time only** - we shall term this Dimension B

*the dimension wherein motion is continuous, then stops or decreases, then is restored to its previous continuity, then reverts to stoppage or decrease, and so on : cyclically - we shall term this Dimension C*

6. I shall term these dimensions of motion as *the Three Dimensions of Motion* q.v.

7. Now **Ageing** will not and cannot occur:progress as in to dimension A or as in to dimension C : but only as in to dimension B.

8. The import of this assertion is so great that we shall at once assert that this is a *Principle* which we shall term **the Principle of Dimension of Motion of Ageing** q.v.

9. The Principle as in [8] will occur:progress *equally* both as in to the s/c non-living process[ess] and as in to the s/c living process[ess] : this I term **the Principle of Equi-Occurrence:Progression of Motion of to Ageing**

10. But the Principle just mentioned and just enunciated[41] will be manifest *most if not exclusively* as in to the s/c life-process[ess] : this I term **the Principle of Manifestation of Motion of:to Ageing** q.v.

11. Therefore indeed as in to the s/c life:process[ess] we cannot in any way consider as proportional the occurrence:progression of ageing as with the occurrence:progression of motion

12. Indeed were motion to be continuously perpetual [as in to Dimension A] and/or cyclical [as in to Dimension B] *there cannot and there would not be* any ageing at all.

13. These Principles enunciated as in to-day’s works *are* and indeed *must be retained* as the *Principles of Genesis* of Ageing et

14. We say “Ageing et” for Ageing is proportional to the rate of [increase of] the s/c Percentage Error, Disease and s/c Death[42]

15. The engineering import of these works of to-day to Immortality of Ens is therefore immense and revolutionary.

16. But to-day's works must be retained as the foundations for other and further and more extensive studies.

17. The direction of these future studies must be towards the s/c life process[ess] rather than as otherwise.

25/3/2001

8.51 A M

## LETTERS ON SCIENCE

### SERIES A

#### LETTER VIII

1. A method will be discussed in which the brain organ or equivalent will be engineered such that

[a] it will have the *propensity to increase* the *number of new* ideas;

[b] it will have the propensity to increase the originality of new ideas;

[c] it will have the propensity to increase the originality of topics of new ideas

2. Now let us put [n] to signify the propensity to increase the number of new ideas; [o] to signify the propensity to increase the originality of new ideas; and [ot] to signify the propensity to increase the originality of topics of new ideas.

3. Now let us put [0] to signify the rate of production of originality of new ideas

4. Therefore as in algebraic terminology:

$$[0] = [n] \times [o] \times [ot]$$

and:

as by algebraic transformation[s]:

$$[n] = [0] \text{ divided by } [o] \times [ot]$$

and:

$$[o] = [0] \text{ divided by } [n] \times [ot]$$

and:

$$[ot] = [0] \text{ divided by } [n] \times [o]$$

5. Now suppose that I spend an hour reading a philosophical work in the original say from Hegel, Hume, Descartes et

**This reading I shall term heavy reading**

6. Now suppose that I spend an hour reading skeleton philosophy notes which I shall term *light reading*.

7. Now suppose that I start a Series whereby I alternate heavy reading with light reading thus:

Heavy reading - Light reading - Heavy reading - Light reading - and so on

8. Now suppose that this Series has a *Rate of Occurrence:Progression* [as everything within the Rim of the mass universe must have since everything therein is *relative*]

9. Thus we shall enunciate the Principle that:

*The rate of [increase of] Series of Alternation as per above will be as directly proportional to the rate of [increase of] vicinity to geniusship*

**And vice-versa**

10. The operation of the Principle as at [10] is the genesis of the way:mode to geniusship.

11. Thus we assert:

*The rate of [increase of] operation:progression of the Principle as at [10] will be as directly proportional to the rate of [increase of] vicinity to geniusship*

*And vice-versa*

31/3/2001

Freedom Day

8.57 A M

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## SCIENTIFIC APHORISMS

### SERIES A

#### I

1. The *grouping* of phaenomena that occur: progress as in to the mass universe is the *corner stone of scientific discovery*

2. In *grouping* like phaenomena are grouped with like phaenomena

3. Now in to the mass universe no phaenomenon is = 100% like to the other; but only ---> 100% [tnri] - but the **number of like qualities** in the one [phaenomenon in the grouping] is **exactly like to the number of like qualities** of the rest [of the phaenomena in to the grouping]

4. A *quality* is the aggregatum or rather *grouping* of quantities.

5. Thus when we say “a like number of qualities” we mean **an equal number of like groupings**

6. Synthetising: analysing [5] supra we find:

*an equal number of groupings [in to the phaenomena that are to be retained as ---> like in to [the] grouping]*

and

*groupings that are **like** that is having the same: like: similar groupings of quantities in to qualities*

7. But do groupings that are like in qualities necessarily to have

the same number of quantities

and

like quantities?

1/4/2001

8.15 A M

**LETTERS ON SCIENCE**

**SERIES A**

**LETTER X**

1. In to the mass universe all matter:energy at absolute time:space moments will be controller or controlled in terms of the Doctrine of Controller:controlled as per our *The Spirit of Metaphysics* [1977]

2. All matter:energy in:to the mass universe from the Rim *inwards* will occur:progress as per 1 above.

3. At this juncture we enunciate the Principle that:

*As in to the mass universe the rate of [increase of] operation:occurrence:progression of the Doctrine:Principle of Controller:Controlled will be as directly proportional to the rate of [increase of] vicinity to the s/c life:process[ess]*

#### **And vice-versa**

*4. The import of the **Vice-versa** here cannot be overlooked : id est the nearer we are to the s/c life process[ess] the more we increase [in engineering terms] the occurrence:progression of the Doctrine:Principle of Controller:controlled q.v.*

5. Thus we must *intensify* the density of occurrence:progression of the Principle of Controller:controlled q.v. per unit of the s/c life:process[ess] - *when this densification is increased more and more the nearer will the s/c life process[ess] be to Immortality of Ens q.v. and inversely the farther will we be from s/c Ageing, the Percentage Error and s/c Death q.v.*

6. Thus also - and as by syllogistic reasoning - and following our earlier works - the rate of [increase of] operation:occurrence:progression of the Principle of Controller:Controlled will be as directly proportional to the rate of [increase of] ever-increase of the reproductive number

#### **And vice-versa**

7. The densification of particulae as per the above mentioned works is the equivalent:identity in terms of the Principle of Equivalent:Identity q.v. of the occurrence:progression of the Principle of Distribution and/or Re-Distribution of Gene:Particulae q.v.

11/4/2001

10.41 P M

## SERIES A

### LETTER IX

*1. In to the mass universe the rate of [increase of] motion of matter:energy will be as directly proportional to the rate of [increase of] proportion of occurrence:progression of phaenomena as in to the same [mass universe]*

#### **And vice-versa**

*2. In to the mass universe the rate of [increase of] motility of gene:particlae will be as directly proportional to the rate of [increase of] their expression:occurrence:progression*

#### **And vice-versa**

3. This just enunciated Principle I term **the Principle of Motility of Genes** q.v.

Its engineering import is immense.

That is : The greater the motility of genes [gene:particlae] the greater their expression [or rather **manifestation**] the lesser the motility of genes [gene:particlae] the lesser their expression

4. Moreover : we enunciate the Principle that:

*The rate of [increase of] expression:occurrence:progression of genes [e] multiplied by the rate of [increase of] time:space units of their occurrence:progression [t] will be as directly proportional to the rate of [increase of] the rate of propensity to evolution of the same [gene:particlae]*

And vice-versa

5. Thus in algebraic form:

$$[Ev] = [e] \times [t]$$

and:

$$[e] = [Ev] \text{ divided by } [t]$$

and:

$$[t] = [Ev] \text{ divided by } [e]$$

8/4/2001

7.47 A M

Following yesterday's works we enunciate the following Principles namely:

## I

### **Principle of Convergence**

*In all protoplasms of ens the rate of [increase of] convergence of particulae [c] multiplied the rate of difference as between the said particulae [d] will be as directly proportional to the rate of [increase of] differentiation: specialisation of the same [particulae] [Ds]*

*And vice-versa*

In algebraic terminology:

$$[Ds] = [c] \times [d]$$

and:

$$[c] = [Ds] \text{ divided by } [d]$$

and:

$$[d] = [Ds] \text{ divided by } [c]$$

## II

### **Principle of Divergence**

As in to all and any protoplasms of ens the rate of [increase of] divergence of particulae will be as directly proportional to the rate of [decrease of] their differentiation: specialisation as: if combined

*And vice-versa*

## III

### **Principle of Positional Convergence**

*As in to all and any protoplasms of ens the rate of [increase of] Convergence of particulae [towards a specific zone et] will be as directly proportional to the rate of [increase of] ever-increase: continuing increase of specialisation: differentiation of the same*

And vice-versa

## IV

### **Principle of Collision**

*As in to all and any protoplasms of ens the rate of [increase of] collision of particulae will be as inversely proportional to the rate of [increase of] their propensity to Convergence*

*And vice-versa*

V

### **Principle of Extension:Growth**

In all and any protoplasms of ens the rate of [increase of] divergence will be as directly proportional to the rate of [increase of] extension:growth

*And vice-versa*

VI

### **Principle of Occurrence:Progression of To-day's Principles**

The occurrence:progression of to-day's Principles is at all times id est from the moment of physical production of sperm:ova to the moment proper of birth [of the relative protoplasms of ens]

#### **The time:space process thus includes the embryology**

In fact convergence and divergence are manifest at different times:spaces during these process[ess] *generally alternating with each other.*

Thus in the physical formation of sperm there occurs convergence; then there occurs divergence in the division of the zygote and till the formation:production of the blastocysts; then convergence re-occurs as these pluripotent cells divide and sub-divide and the differentiation:specialisation that is manifest as in the embryology occurs:progressess [till birth of the relative protoplasms of ens]

Moreover it is empirically observed factum that up to the formation:production of the blastocysts proper differentiation:specialization does not occur:progress; this occurs:progressess afterwards.

From the just above made considerations we arrive at the enunciation of other Principles namely:

VII

### **The Principle of Alternation of Convergence:Divergence**

As has been just manifested in the reproduction process as a whole till birth of the relative protoplasms of ens *there is an alternation of Convergence:Divergence*

This is a Principle and we enunciate further that:

*As in to all and any reproduction process[ess] of protoplasms of ens the rate of [increase of] Alternation of Convergence:Divergence will be as directly proportional to the rate of [increase of] final specialisation:differentiation in to the embryology [post-blastocyst stage]*

*And vice-versa*

## VIII

### **The Principle of Mass:Energy as in to Reproduction**

The application of the Principle of mass:energy occurs:progressess all over the mass universe. Hence it occurs:progressess as in to reproduction. [By “reproduction” we mean the process[ess] from the production:formation of the sperm:ova till birth of the relative protoplasms of ens as above mentioned as per to-day’s works]

Thus Convergence and Divergence are exprest *both as in to matter and as in to energy.*

## IX

### **The Principle of Alternation of Matter:Energy in Convergence**

*As in to Convergence q.v. the rate of [increase of] efficiency to “final” specialization:differentiation as in to Convergence q.v. will be as directly proportional to the rate of [increase of] alternation of matter:energy as in to the same [Convergence]*

And vice-versa

## X

### **The Principle of Alternation of Matter:Energy in Divergence**

*As in to Divergence q.v. the rate of [increase of] efficiency to “final” specialization:differentiation as in to Divergence q.v. will be as directly proportional to the rate of [increase of] alternation of matter:energy as in to the same [Divergence]*

And vice-versa

## XI

### **The Principle of Series**

The particlae in the reproductive process[ess] as above mentioned will always lie *as in a series*

This series can consist of relatively non-different[iated] particle in contiguity; of relatively different[iated] particlae in contiguity; or in a mixture of these.

## XII

### **The Principle of Relatively Differentiated Series**

*The rate of [increase of] the rate at which the particulae in the reproductive process[ess] will lie as in a relatively differentiated series will be as directly proportional to the rate of [increase of] the relatively different[iated] particulae in contiguity in to the series*

*And vice-versa*

### **XIII**

*The rate of [increase of] operation:progression of the Principle of Relatively Differentiated Series q.v. will be as directly proportional to the rate of [increase of] of operation:progression of Convergence q.v.*

*And vice-versa*

### **XIV**

*The rate of [increase of] operation:progression of the Principle of Relatively Differentiated Series will be as directly proportional to the rate of [increase of]of [bio]chemical combination[s] as in to the same*

*And vice-versa*

### **XV**

*The rate of [increase of] operation:progression of all the above mentioned Principles will occur:progress in the production:formation of sperm*

13/4/2001

Good Friday

9.19 A M

### **Emotions**

In all protoplasms of ens there occur:progress emotions.

Emotions occurs:progress in as direct proportion to the rate of evolution of the relative protoplasms of ens

**And vice-versa**

Ergo : we shall be manifested emotions most in Homines Sapientes

Now in all and any protoplasms of ens there occur:progress the following Principles namely:

## I

*There is not and there cannot be any emotion restricted to a part or parts only of all and any protoplasms of ens*

There cannot and there is not any emotion that is restricted say to the foot, the hand : and the rest of the body-ens blocked therefrom : emotions therefore are of the whole body

## II

*What is of the whole body ens traverses the whole body ens and the rate of [increase of] the rate at which any matter:energy is as of the whole body ens will be as directly proportional to the rate of [increase of] the rate of speed:velocity at which the emotion[s] traverses the whole body ens*

### **And vice-versa**

The speed:velocity with with emotion[s] traverse[s] the whole body ens of all and any protoplasms of ens is indeed very high.

## III

*The extension:growth[s] of protoplasms of ens occurs:progressess towards that direction or directions that is “wanted” “desired” as by the emotions*

### **And vice-versa**

Thus the plant extends towards the light because it wills it, it likes it, because it needs it it is true, but it likes it because it needs it.

Similarly in all and any protoplasms of ens organs occur:progress where the emotions will

Thus in the ancient reproduction as by budding protoplasms of ens extended in the direction of the budding : because the relative “parent” wanted:desired to reproduce, to extend itself.

The same with us humans who have our generative organs in the place[s] willed by our emotions - following the arcane example of budding just manifested.

Thus the position of the generative organs is at the “tip” of the body-ens : the zone which in budding was the “pregnant zone” “the loaded zone” “the bursting zone” that burst as in to the new offspring.

## IV

**All and any emotion is a wave:current**

## V

*The Principles that govern sovereign over the wave:currents govern the emotions thus:*

*The rate of [increase of] the rate at which the Principles that govern the emotions govern the wave:currents will be as directly proportional to the rate of [increase of] the rate at which the emotions are wave:currents*

**And vice-versa**

## Currents [Wave:Currents]

### I

All wave:currents that are cyclical must lie as between two opposite poles

### II

All wave:currents that do not extend infinitely in a straight direction will have two poles

### III

The opposite poles must lie at the extremest:outest zones:areas of the wave:current cycles:areas:zones

### IV

The Principles at I, II and III occur:progress as in to all protoplasmic forms

### V

In us Homines Sapientes these poles are the brain organ or equivalent on the one side and the generative organs on the other side.

## Charge After Charge

a : As wave:current cycles:areas: zones pass through every cycle et at each of the opposite poles there will be a charge.

b : The charge will be momentary but since that the wave:current:cycles occur:progress continually and at a specific number per specific unit of time [apart accelerations] *there will be:occur:progress at **each** opposite pole **one** single charge per **each every one** course of wave:current[s] as through the cycle*

c: The form of the wave:current:cycle will be like as to a **loop** as manifested in figure A.

d: The poles of the loop will be as indicated in X and Y in the said figure A.

e: At X there will be:occur:progress the generative organs.

f: At Y there will be:occur:progress the brain organ or equivalent

g: Thus **charge after charge** will be received in the generative organs [say the testes]  
and the brain organ or equivalent

Figure A.

### **Distribution of Charge Received**

In the brain organ or equivalent there will occur:progress distributions of charge[s] received as the brain organ or equivalent “issues its commands:instructions” as sub:wave:currents to different parts of the body-ens in continuity.

*Thus in the brain organ or equivalent the rate of [increase of] distribution of charge will be as directly proportional to the rate of [increase of] **liberation** as from the continually received electric charge[s]*

### **And vice-versa**

This I shall term the Principle of Liberation of Charge[s]

Thus the rate of [increase of] occurrence:progression of the Principle of Liberation of Charge[s] will be as directly proportional to the rate of [increase of] *Normalisation of the Wave:Current Cycle[s] as per the Outlet of Escape*

### **And vice-versa**

This Principle I term the Principle of Normalisation of the Wave:current Cycle[s] as per the Outlet of Escape

Now the wave:current cycle[s] to occur:progress calmly and ‘normally’ will need the operation:occurrence:progression of the Principle of Normalisation of the Wave:Current Cycle[s] as per the Outlet of Escape

In the testes there will occur:progress one electric charge:shock after the other : and the cumulative effect of these will - unless **there be an outlet or way of escape** - that the testes will start behaving either like as unto the brain organ or equivalent or else “send out” **in other mode[s]** the “excess” say in the form of heat et.

The positioning of the testes as outside the scrotum indeed serves to lower the temperature but this will be an “outlet” **only as in part**

*Therefore there must be another outlet for the rest* : this outlet or escape in the testes takes the form of jostling continually the sperm produced such that every sperm will have a continual jostling forward going motility

**Indeed at this juncture we enunciate that**

*The rate of [increase of] the continual jostling forward motility of sperm will be as directly proportional to the rate of [increase of] charges received*

**And vice-versa**

This Principle I shall term the Principle of [Genesis of] Motility of Sperm q.v.

**Charges and the [Bio]chemistry**

An observation of what occurs:progressess as in to the brain organ or equivalent will readily manifest **the [bio]chemical revolution** that occurs:progressess as in to that powerhouse[43]

Now the [bio]chemical revolution that occurs:progressess as in to the brain:organ or equivalent will occur:progress as in to the testes in equivalence:identity[44]

Therefore we must in our further studies describe [always relative to the testes[45]] :

- i.the *phaenomena* that occur:progress as in to the same *[Bio]chemical Revolution*
- ii.the *Principles* observed in those phaenomena
- iii.the enunciation of those Principles and of the engineering import of the same.

14/4/2001

Easter Sunday Eve

5.39 P M



## **A Emission of Wave:Current:Energy from Cells**

a.From each and any cell of protoplasms of ens there occur:progress emissions of wave:current:energy from time to time

b.In each cell of protoplasms of ens there is the “ordinary” basic stuff that “originally” constitutes it : however *from time to time* each cell will have the propensity to *receive* variations:receptions hereinafter referred to as “non-ordinary matter:energy”

c.In each cell of protoplasms of ens the rate of [increase of] **receipt** of variations:receptions will be as directly proportional to the rate of [increase of] **propensity to emission**

### **And vice-versa**

d.In each and any cell of protoplasms of ens the rate of [increase of] propensity to emission will be as directly proportional to the rate of [increase of]propensity **to emission of non-ordinary matter:energy rather than ordinary matter:energy**

*e.In all and any protoplasms of ens the rate of [increase of] propensity to emission will be as directly proportional to the rate of [increase of] “non-ordinary” matter:energy that must leave the cell*

### **And vice-versa**

f.In all and any cell of protoplasms of ens the emission of predominantly[46] matter:mass of matter:energy will be as into the bloodstream; the emission of predominantly[47] energy:wave of matter:energy will be as into the stream of wave:current[s] emitted from the cells as into the **main wave:current river** [vedi infra]

g.The emissions of predominantly energy:wave of matter:energy can and will[48] issue as in the *Main:Wave:current River*

This assertion is at once observable empirical fact and at the same time an assertion : it is a Principle : which Principle we shall term **The Principle of Main Wave:Current River**

**The Main Wave:Current River is that described yesterday in the loop as per figure A of yesterday’s works**

## **B Emission of Wave:Current:Energy from Cells and Reduction**

I shall assert the **Principle** that the emission of wave:current:energy [vedi supra] from cells is the equivalent:identity of *Reduction* in terms of the Principle of Equivalent:Identity q.v.

This Principle I shall therefore term The Principle of Wave:Energy - Reduction Equivalent q.v.

### **C Within the Testes:Ovaries**

A number of Principles occur:progress as within the testes:ovaries q.v.

I shall begin to enunciate these Principles under their respective Titles:headings:

#### **Phaenomena**

Sperm:ova are formed as accordant to Principles and in no other way either as in to the Ideal State nor as in to the Practical State

This Principle will rule sovereign as long as we are within the Rim of the mass universe

#### **Sub-Division of Phaenomenon as in to Stages**

Each of these Phaenomena [the Phaenomenon] is[49] and must[50] *always* be sub-divided as in to Stages q.v.

#### **Sub-Division of Stages**

#### **Each stage will in turn be sub-divided**

At this juncture Vedi the hereinunder figure B.

#### **PHAENOMENON**

#### **STAGES**

#### **SUB-STAGES**

Figure B.

Thus the Phaenomenon will be the common ancestor from which the Stages will descend; these in turn have their offspring as in to the Sub-stages

This Arrangement of Descent is the equivalent:identity of descent of protoplasm of ens within the species; but more important it is the equivalent:identity of the operation:occurrence:progression of the Connected Jar Principle and other Principles as in to Reduction q.v.

We term the relative Principle the Principle of Arrangement of Descent q.v.

#### **D [Bio]chemical Combination in the Testes:Ovary**

i. With every “shock” received from the “loop” described in figure A as per yesterday’s works there must occur at least *one* [bio]chemical combination:

Thus the Principle:

That:

*There will occur:progress one [bio]chemical combination per every one shock from the Loop*

ii. And:

**Every [bio]chemical combination will be one Sub-Stage in the Arrangement of Descent as per above q.v.**

#### **iii. Succession of Sub-Stages**

*All sub-stages will occur:progress in time:space [chronological:positional] succession*

This I shall term the Principle of Succession of Sub-Stages q.v.

iv. Succession of Stages

**All stages of the Phaenomenon will occur:progress as in to the Phaenomenon in time:space [chronological:positional] succession**

v. Pyramid of Ascent

The successions will occur:progress such that they will go up to the Phaenomenon from the Sub-Stages upwards in a Pyramid of Ascent

This Principle I therefore term **the Principle of Pyramid of Ascent** q.v.

vi. Execution of the Pyramid of Ascent

*The Pyramid of Ascent occurs not only graphically but also is executed as in fact*

*vii. The execution-in-fact of the Pyramid of Ascent is the equivalent:identity of the Phaenomena that occur in Spermatogenesis as observed in science q.v.*

*But more important the execution-in-fact of the Pyramid of Ascent [and this comprises and includes all the Principles as per to-day’s yesterday’s works and before] is the **mechanics:dynamics** of Spermatogenesis q.v.*

*Thus the execution-in-fact of the Pyramid of Ascent and Spermatogenesis are equivalent:identities [in terms of the Principle of Equivalent:Identity] and thus the engineering as through and as from the Pyramid of Ascent is the engineering of Spermatogenesis q.v.*

## **E Engineering of Spermatogenesis**

The engineering of Spermatogenesis therefore occur:progressess as indicated in the works of to-day, yesterday and previously.

15/4/2001

Easter Sunday

8.49 A M

To-day's works manifest the mechanics:dynamics:engineering not only of spermatogenesis but also as of the egg production in the ovaries

The engineering import in ensuring an ever-increasing fertility [under all conditions even in azoospermia et] of our works therefore should not be underestimated.

Hitherto and previous to the works of to-day, yesterday and previously we had before us - in the matter of spermatogenesis, egg-production et - the graphic description of what occurs:progressess.

Thus in the case of spermatogenesis we had the various descriptions of the respective mitoses, meioses and so on; of the transmission:"signals" of testosterone et - and other relative matters. *But we did not have the mechanics:dynamics of all these **happenings** [a term that could be used happily instead of the term **phaenomena**]. And as long as we did not have the mechanics:dynamics of these happenings we could not engineer at all. Now that we have the mechanics:dynamics we can engineer : the results, I think, must be revolutionary - the more so as we further on our engineering on the lines of the works of to-day, yesterday and previously.*

15/4/2001

**Easter Sunday**

9.17 A M

Our works of to-day, yesterday and previously manifest clearly the mechanics:dynamics of situations where for instance stress diminishes sperm count : the "Loop" is touched during stress in the sense that

the emotions are disordered [more or less]; this disturbs the proportionate regularity of the "Loop" - the regularity of the resultant "shocks" at the poles if the "Loop" is disturbed in as direct proportion - the mechanics:dynamics of spermatogenesis [and even ovulation, though perhaps not to the extent of spermatogenesis] is disturbed accordingly and in as direct proportion as well - thus the mechanics:dynamics - and above all the engineering - of the relative phenomena are manifested.

15/4/2001

**Easter Sunday**

11.35 A M

In expression of Principles we express proportions whether as inverse or direct as between two sides : generally qualities.

Now qualities are the aggregata of quantities as manifested in our former works and consequently *the proportions as in to Principles are always exprest as **between amounts of quantities***

*Now **quantities** are exprest in the mass universe **in terms of mass:energy***

**Therefore and accordingly the mass:energy quantum on either side of any proportion of any Principle must equal [in terms of quantity] and equivalent:identical [in terms of quality]**

29/4/2001

8.21 A.M.

**LETTERS ON SCIENCE**

**SERIES A**

**LETTER XIII**

1.1. In the advancement of science - especially as through the writing of notes, papers, theses and other works - the following Five Dicta are important:

A. That the advancement be made as much as possible in writing [Principle of Medium] [Dictum A]

B. That the advancement be made as much as possible *as through the enunciation of Principles* [Dictum B]

C. That the advancement be made as through Principles that “connect” as with the other Principles such as to derive therefrom [Principle of Derivation] or be related thereto as in to a genealogical tree or the Principles enunciated themselves are the genesis of and derive other further Principles [Principle of the **Three Alternatives of Principles**] [Dictum C]

D. That in the enunciation of Principles **full liberty** must be observed insofar as

i. the contents of the new Principles do not contradict or clash or disagree with even if in part with previous scientific knowledge;

ii. if the contents of the new Principles do contradict or clash or disagree with even if in part with previous scientific knowledge then technical reasons for these departures be advanced, and that these reasons be as technical as possible

iii. the empirical observations, experiments and dicta of previous scientific knowledge be not contradicted or clashed with as through the enunciation of new Principle[s]

iv. that where the new Principles clash with or contradict or disagree with in any way even if in part with the empirical observations, experiments and dicta of previous scientific knowledge - then [technical] reasons for these departures be advanced, and that these reasons be as technical as possible

v. that in the enunciation the new Principles Einstein’s Dictum “Imagination is more important than knowledge” be observed

2.1. As manifest from the above, there are involved the following Principles namely : **the Principle of Full Liberty** and **the Principle of Explained Contradiction** [in other words departures whatever from previous scientific knowledge or retentions must be supported substantiated and explained by reasons, and that these reasons be as technical as possible]

2.2. That these Principles are apparently contradictory to each other

2.3. That these Principles occur: progress together *as in simultaneity* : this I term **the Principle of Simultaneous Occurrence: progression**

3.1. That our works observe observed and will continue to observe all the above mentioned

3.2. That the above mentioned indeed must be retained as constituting **the methodology for the enunciation of new Principles**

3.3. The reasonableness of this methodology is manifest not only as from its contents but that if one were [even if hypothetically] to attempt to enunciate a different such methodology [of enunciation of new Principles] that appears to be logically and practically difficult if not impossible.

27/5/2001

8.37 A M

Mixtures:

## I

All mixtures are constituted by particulae

## II

Where particulae are the same the position shape and size of the particulae in to the mixture are irrelevant

## III

### However

*The rate of [increase of] **relevancy** of position, size and shape of particulae will be as directly proportional to the rate of [increase of] **differentiation** of the same [particulae [in mixture]]*

### And vice-versa

*The import of the Vice-Versa here can not be under estimated*

## IV

The rate of [increase of] relevancy of particulae will be as directly proportional to the rate of [increase of] the propensity of the same to specific absolute time:space position[s], shape[s] and size[s] as in to the mixture[s]

*And vice-versa*

## V

Therefore and accordingly,

*The rate of [increase of] differentiation of commixing particulae will be as **directly** proportional to the rate of [increase of] the propensity of the same [commixing particulae] to specific absolute time:space position, shape size*

*And vice-versa*

## VI

Therefore and accordingly,

The rate of [increase of] differentiation of the gene:particlae will be as directly proportional to the rate of [increase of] their propensity to specific absolute time:space position, shape and size as in to the chromosomes

And vice-versa

VII

*Into the chromosomes therefore specific gene:particlae will take specific definite absolute time:space positions shapes and sizes [and sequences:successions]*

*[Vedi the DNA]*

VIII

This also sequitur from the occurrence:progression of the Principle of Global Balance q.v. and the Principle of Contiguous Adjacent Reference Frames q.v.

IX

**Therefore and accordingly as in to the chromosome[s] the specific definite absolute time:space parts that are to constitute the organs et of the grown up body-ens *already have their specific definite positions in the gene particlae level of the chromosomes***

X

What occur after is the simple extesion of each individual specific definite part in its position

XI

These extensions of each individual specific definite part are the equivalent:identity [in terms of the Principle of Equivalent:Identity] of the extension of the whole body-ens

XII

During the extension of the whole body-ens as above the Principles of Global Balance and of Contiguous Adjacent Reference Frames are observed

XIII

During the extension of the whole body-ens as above the Principle of Mixtures as per to-day's works are observed

## XIV

Every ancestor is represented in the gene particlae

## XV

The ancestors are represented as in to the gene particlae ----> equally irrespective of the generation:distance of the ancestor [from the relative “descendant” protoplasm of ens]

This Principle I term the Principle of [Propensity to] Equality of Ancestry

24/4/2001

11.39 P M

### Transmission

1.1. In reproduction the *gene particlae* are “transmitted” as from one generation to the next generation.

1.2. This is a physical Phaenomenon that occurs:progressess per and in every generation.

1.3. *But transmission of heredity can only[51] and will only[52] occurs:progressess **only** as through **the Principles that rule over it***

1.4. Principles are not physically “transmitted” : “they remain”

1.5. For a Principle is not a matter:energy that lives dies is born or else : it always remains the same

1.6. The energy:matter that is physically transmitted as in:from the gene particlae is *controlled*[53] by the Principles

1.7. *Indeed* the Principles “in question” are controllers in terms of the Doctrine of Controller:Controlled

1.8. Thus in hereditary transmission the Principles that govern the off spring are so to say *clones* of the Principles that governed the parent:ancestor[s]

1.9. *The Principles do not have sex*[54]; *are perceived in the parent and then in the offspring in exact identity*[55]

1.10. The identity of the Principles is in that these **are perceived** in the parent:ancestor and then these **same Principles are perceived** as in to the offspring

1.11. The “controller” sovereignty of the Principles vis-a-vis the gene:particlae [as above mentioned] has its genesis *in that without the occurrence:operation:progression of the Principles the gene:particlae will not*[56] *and can not extend*[57]

## Identity

2.1.Principles as in the parent:ancestor generation are perceived in the next generation in identity

2.2.*This identity is the same to the extent that it does not admit:permit of any variation:mutation*

2.3.[In](#) the Principles in question the Conservation of the Ancestor Principles as in to the “Descendant” Offspring is manifested at its pitch.

## Variation, Conservation and Evolution

3.1.Variation therefore and accordingly *is not*[58] and *can not*[59] be in the Principles in question from one generation to the next generation.

3.2.*Any* variation therefore will occur:progress as in to the gene:particulae *first* ; then *id est subsequently and thereafter as in to the Principles*

3.3.Evolution accordingly and there fore will be as of:in the gene:particulae **first** , then that is **thereafter** as in to the Principles.

6.5.2001

## **I**

All protoplasms of ens descend as by *Physical Geneological Descent*

## **II**

In all protoplasms of ens in *Reduction* a *plurality* is reduced to *monad*

## **III**

In all protoplasms of ens in *Differentiation* a *monad* is differentiated to *plurality*

## **IV**

In all protoplasms of ens the rate of [increase of] occurrence;progression of *Physical Geneological Descent* will be as directly proportional to the rate of [increase of] occurrence;progression of *Reduction* of cells in same body ens of protoplasms of ens

And vice-versa

## VI

In all protoplasms of ens the rate of [increase of] occurrence:progression of *Reduction* of cells in same body ens of protoplasms of ens will be as directly proportional to the rate of [increase of] *Differentiation* by cell division in embryology, growth et to full development

And vice-versa

## VII

Therefore:

And as by syllogistic reasoning:

We enunciate that:

In all protoplasms of ens the rate of [increase of] occurrence:progression of *Physical Geneological Descent* will be as directly proportional to the rate of [increase of] *Differentiation* by cell division in embryology, growth et to full development

And vice-versa

## VIII

*Ancestor Plurality* to *Monad Descent* in the genesis:formation of chromosomes

## IX

*Monad Descent* to *Ancestor Plurality* in the expansion:growth of:in Differentiation q.v.

## X

The rate of [increase of] occurrence:progression of *Ancestor Plurality* to *Monad Descent* will be as directly proportional to the rate of [increase of] construction:genesis of *monad chromosomes* as from *Ancestor Particle Plurality*

And vice-versa

## XI

In the *Ideal State* **the whole of ancestor genes** will be the equivalent:identity of the **whole of descendant genes**

And vice-versa

**This I term the Principle of Wholes**

## XII

As in to protoplasms of ens the rate of [increase of] occurrence:progression of the *Principle of Wholes* will be as *inversely* proportional to the rate of [increase of] occurrence:progression of s/c Death Ageing et

And vice-versa

### XIII

Principles I, II, III, IV, V, VI and VII are graphically manifested in figure A.

### XIV

Principles VIII, IX and X are graphically manifested in figure B.

### XV

Principle XI is graphically manifested in figure C.

### XVI

The *physicalist occurrence:progression* of all these Principles is manifested as in to the following dimensions:

a.in the dimension of *cell division*

b.in the dimension of *cell replication*

c.in the dimension of *geneological descent of the offspring as from common ancestors*

### XVII

The rate of [increase of] *plurality[60] of offspring* as in to protoplasms of ens[61] will be as directly proportional to the rate of [increase of] at which *the Principle of Wholes* occurs:progressess as *amongst the diverse plural offspring globally taken together* rather than in a single monad offspring

And vice-versa

### XVIII

*Therefore and accordingly in the lower species evolution:transmission is manifested in the globality of plural offspring taken together such that the single individual member of the species is only **slightly** evolved; as in the higher species evolution:transmission is manifested in the **monad single** individual member of the species and this is accordingly **highly** evolved*

### XIX

The Phaenomenon at XVIII occurs in as direct proportion: therefore we enunciate that:

*The rate of [increase of] evolution:transmission as by descent of offspring **per every single individual of the relative species** as in to protoplasm of ens will be as directly proportional to the rate of [increase of] vicinity to the **monad** descent of offspring as above mentioned*

*And vice-versa*

## **XX**

The Principle of Wholes occurs:progressess as in every generation of every species of protoplasm of ens

## **XXI**

The Principle of Whole occurs:progressess in both sexual and non-sexual generation

## **XXII**

The Principle of Wholes is the equivalent:identity of *cloning*

## **XXIII**

At the same time and as simultaneously the Principle of Wholes q.v. carries as forth sexual reproduction and non-sexual reproduction

29/4/2001

## **SCIENTIFIC LETTERS**

### **SERIES A**

#### **LETTER XVI**

1.1.**Is** determinism sovereign in the mass universe? Or otherwise? Or in part so and in part so?

1.2.**To** read and analyse Stephen Hawking's 'Does God play dice?'

1.3.**To** think upon this and to study further.

2.1.**In** to the mass universe there is a determinism percentage however minimal

2.2.Our Principles enunciated on Saint George's Feast Day of a few years ago manifest the extent, zones and occurrence:progression of determinism.

2.3.But those same Principles set a *framework* within which there also occurs:progressess [both as in to the Ideal State and as in to the Practical State] a liberty a freedom from determinism.

3.1.**As** in to the mass universe there is - from the Rim inwards - always a determinism percentage however minimal

3.2. *As in to the mass universe there is - from the Rim inwards - always a freedom of:from determinism percentage however minimal*

3.3. *Thus as in to the mass universe and **as all over the mass universe** there is a determinism:freedom from determinism percentage **always***

4.1. This determinism:freedom from determinism percentage operates:occurs:progressess like as unto the mass:energy percentage

4.2. *Thus there occurs:progressess a Principle of Determinism:Freedom from Determinism percentage*

4.3. And the Principle of Determinism:Freedom from Determinism Percentage will operate:occur:progress as like unto the Mass:Energy Percentage q.v.

5.1. For the “areas” or “zones” of determinism are those nearest to the Rim of the mass universe and those most distant from the s/c life process[ess]

5.2. Thus we enunciate the Principle that:

*As in to the mass universe the rate of [increase of] occurrence:progression of determinism will be as **directly** proportional to the rate of [increase of] vicinity to the Rim of the mass universe*

**And vice-versa**

**And:**

*As in to the mass universe the rate of [increase of] occurrence:progression of determinism will be as **inversely** proportional to the rate of [increase of] vicinity to the s/c life process[ess]*

**And vice-versa**

**And:**

*As in to the mass universe at absolute particular time:space moment[s] the rate of [increase of] occurrence:progression of determinism percentage will be as **inversely** proportional to the rate of [increase of] occurrence:progression of freedom from determinism percentage*

**And vice-versa**

5.3. *As in to the s/c life process[ess] the rate of [increase of] occurrence:progression of determinism will be as **inversely** proportional to the rate of [increase of] vicinity to the s/c Brain Organ or equivalent*

**And vice-versa**

7/6/2001

**“Sette Giugno”**



## LETTERS ON SCIENCE

### SERIES A

#### LETTER XV

1.1. In the s/c living process we observe continually *the reciprocal transmission and reception of energy*

1.2. We must study further this assertion: concept

2.1. The continuous transmission of energy occurs: progressess in as direct proportion to the rate of [bio]chemical combination per specific time:space unit[s]

2.2. We thus enunciate the Principle that:

*The rate of [increase of] occurrence: progression of continuous transmission of energy will be as directly proportional to the rate of [increase of] [bio]chemical combination[s] per specific time:space unit*

#### **And vice-versa**

2.3. Note the import of the Vice-versa here especially as in to the engineering sense : the engineering increase of [bio]chemical combination[s] per specific time:space unit[s] will be as directly proportional to the increase of transmission of energy per specific time:space unit[s]

3.1. "Per specific time:space unit[s]" we say : *id est* per specific space unit *as well as* per specific time unit

3.2. *Id est* : we note the quantum per specific space unit : then we note the quantum per specific time unit : then we have two quanta *which we multiply together*

3.3. This multiplication is the equivalent:identity in terms of the Principle of Equivalent:Identity of the *Square* q.v.

4.1. The Square is manifest also in rotation[s] of celestial bodies.

4.2. And also in the dynamics of the atom [Bohr model]

4.3. Time:space therefore are not only equivalent:identical; but Square

5.1. Further the Principle that:

*As within the same site of time:space the rate of [increase of] occurrence:progression of transmission of energy will be as directly proportional to the rate of [increase of] occurrence:progression of receipt of energy*

**And vice-versa**

5.2.This we term *the Reciprocal Transmission:receipt of Energy* and this Principle we term as **the Principle of Reciprocal Transmission:Receipt of Energy** q.v.

5.3.This Principle will[62] and can[63] occur:progress *only* as within a definite specific determinate time:space situs

6.1.This time:space situs will go hand-in-hand with structure

6.2.Thus we enunciate the Principle

That:

*The rate of [increase of] occurrence:progression of determinacy:specificity:definiteness of the [a] time:space situs will be as directly proportional to the rate of [increase of] occurrence:progression of structure*

**And vice-versa**

6.3.In the mass universe all that extends or has extended is structure

7.1.Structure therefore is the *multiplicand* of the rate of [increase of] extension by:and the rate of [increase of] massification[64]

*7.2.At any absolute time:space moment[s] the rate of [increase of] extension of structure will be as inversely proportional to the rate of [increase of] [propensity to] massification of the same*

**And vice-versa**

*7.3.Also : At any absolute time:space moment[s] the rate of [increase of] extension of structure will be as inversely proportional to the rate of [increase of] propensity to **cyclicity of process[ess]***

And vice-versa

To study further.

3/6/2001

Principle of *Indivisibility* of Genetical Phaenomena

I

All genetical phaenomena occur:progress in indivisibility : that is as through the whole body-ens of protoplasms of ens without any restrictions of cell walls or other restriction[s]

## II

The rate of [increase of] *indivisibility* of Genetical Phaenomena in *all and any* protoplasms of ens will be as *directly* proportional to the rate of [increase of] occurrence:progression of *evolution* as in to the same [protoplasms of ens]

And vice-versa

## III

The rate of [increase of] indivisibility of Genetical Phaenomena will[65] and can[66] never be = 100% though it might be ---> 100% [though never reaching it][67]

## IV

The rate of [increase of] of occurrence:progression of indivisibility of Genetical Phaenomena will be as directly proportional to the rate of [increase of] *genesis of the Emotions q.v.*

And vice-versa

## V

The rate of [increase of] occurrence:progression of Indivisibility of Genetical Phaenomena as in to[68] protoplasms of ens will be as directly proportional to the rate of [increase of] occurrence:progression of motion of RNA as in to the same [protoplasms of ens]

**And vice-versa**

This Principle I shall therefore and accordingly term **the Principle of Genesis of RNA**

## VI

The rate of [increase of] occurrence:progression of the Principle of Genesis of RNA will be as directly proportional to the rate of [increase of] occurrence:progression of *the Principle of Jumping Genes q.v.*

And vice-versa

## VII

**The rate of [increase of] occurrence:progression of the Principle of Genesis of RNA will be as *directly* proportional to the rate of [increase of] occurrence:progression of the *Principle of Continous Shifting:Distribution of Genes[69]***

And vice-versa

1/5/2001

Worker's Day

8.09 A M

1

The rate of [increase of] occurrence:progression of reproduction-in-pangenesis will be as directly proportional to the rate of [increase of] vicinity to the first generation:reproduction of the relative species

**And vice-versa**

2

In the first generations and the nearest subsequent generations reproduction must have occurred:progressed as reproduction-in-pangenesis only : otherwise receptions:variations:mutations will not and can not be transmitted to the next generation[s]

3

The rate of [increase of] the rate of transmission of receptions:variations:mutations as in to the next generation[s] will be as directly proportional to the rate of [increase of] reproduction-in-pangenesis

**And vice-versa**

Note the import of the Vice-versa here : Id est as the generations follow [upon] each other the transmission of receptions:variations:mutations decreases : [though never decreasing to = 0] : and so also and in as direct proportion will reproduction-in-pangenesis decrease

[And vice-versa]

4

The rate of [increase of] occurrence:progression of generation[s] after generation[s] will be as inversely proportional to the rate of [increase of] propensity of the relative protoplasms of ens to transmission of receptions:variations:mutations

**And vice-versa**

5

The rate of transmission as in reproduction-in-pangenesis will be ever-decreasing in as direct proportion to the rate of incorporation of variations:receptions:mutations as in to the relative protoplasms of ens

And vice-versa

Id est : there is a Limit that operates:occurs:progressess

6

The rate of [increase of] operation:occurrence:progression of this Limit will be as inversely proportional to the rate of [increase of] operation:occurrence:progression of the Continous Shifting of Genes

And vice-versa

7

Therefore:

Accordingly:

And as by syllogistic reasoning:

The rate of [increase of] operation:occurrence:progression of this Limit will be as inversely proportional to the rate of [increase of] operation:occurrence:progression of:to Immortality of Ens

**And vice-versa**

5/5/2001

I

If the whole body ens of protoplasms of ens has emotions, then every sub-divided part thereof [whatever the [rate of] sub-division] will also have emotions

II

The rate of [increase of] emotions in every sub-divided part[s] of any protoplasms of ens will be as inversely proportional to the rate of [increase of] to the rate of [increase of] sub-division

And vice-versa

III

But whatever the rate of sub-division the rate of [increase of] decrease of emotions will and can never = 0%

IV

Control the whole emotions; control the parts

V

Control as in:per IV is the equivalent:identity of control as through the Pontiff particla

VI

The rate of [increase of] emotions [E] in the sub-divided part will be as directly proportional to the rate of [increase of] shocks [s] received by the sub-divided part multiplied by the rate of [increase of]

time [t]

And vice-versa

As in algebraic form:

$$[E] = [s] \times [t]$$

And:

As by algebraic transformations:

[s] = [E] divided by [t]

and:

[t] = [E] divided by [s]

VII

The rate of [increase of] emotions in every sub-divided part will be as directly proportional to the rate of [increase of] the ever-increase of the reproductive number

And vice-versa

VIII

As from our previous works:

The rate of [increase of] ever-increase of the reproductive number will be as directly proportional to the rate of [increase of] vicinity to Immortality of Ens

And vice-versa

IX

As by syllogistic reasoning:

The rate of [increase of] emotions in every sub-divided part will be as directly proportional to the rate of [increase of] the ever-increase of vicinity to Immortality of Ens

And vice-versa

## LETTERS ON SCIENCE

### SERIES A

#### LETTER XII

1.1. The s/c life process[ess] *cannot but result*. Study the geology, the geneology, the genetics and the rest of our scientific works - the genesis, occurrence and progression of the s/c life:process[ess] is *nothing but the logical and practical resultant*

1.2. The s/c life process[ess] are the resultant of an ever-increasing number of Principles that derive from each other as in a geneological mode - like as humans.

1.3. The Principle proceeds *as immediately before* the Phaenomenon.

1.4. The *period of immediateness* is short - so short indeed in terms of absolute space:time units that *we Homines Sapientes barely perceive:feel it*

1.5. In a way therefore “Plato is vindicated” “the Empiricists are defeated” “the s/c life-process[ess] indicate the *road to philosophy and not otherwise*”

2.1. A vast ever-increasing *plurality:globality of ever:evolving Principles* is the equivalent:identity [in terms of the Principle of Equivalent:Identity q.v.] of the genesis, occurrence and progression of the s/c life:process[ess]

2.2. But in the genology of Principles themselves *Phaenomena are also parents thereof* as will be immediately manifested.

2.3. We manifest here the just mentioned:

Stages:

- 1 Principle 1
  
- 2 Phaenomenon [Rim of the Mass Universe]
- 3 Phaenomenon + Principle 1 =
- 4 Principle 2
- 5 Principle 2 + Phaenomenon 1 =
- 6 Principle 3
- 7 Principle 3 + Phaenomenon 2 =
- 8 Principle 4

**And so on**

- 9 Principle x + Phaenomenon x - 1 =
- 10 Principle x + 1
- 11 And so on

3.1. Dreams occur:progress as jitterish in as direct proportion as the same [dreams] *utilise symbols*

**And vice-versa**

[Note the import of this Principle as well as of the Vice-versa]

3.2. Dreams are the present physicalist link with our geneological past **qua species**

3.3. The perceptions-during-waking of any one species are the equivalent:identity [in terms of the Principle of Equivalent:identity] of the dreams [perceptions-during-sleep] of **the next immediate** species in the evolution scale

*[And vice-versa]*

[This is a Principle; note the extreme revolutionarity of the same].

20/5/2001

7.57 A M

## LETTERS ON SCIENCE

### SERIES A

#### LETTER XVIII

*1.1.As in to the mass universe the rate of [increase of] occurrence:progression of structure will be as directly proportional to the rate of [increase of] occurrence:progression of proportion*

#### **And vice-versa**

1.2.Note the import of the Vice-versa here : it is **at least as important** as the “original” Principle.

1.3.Suppose the mass:universe as without proportion : in the atoms every part and/or sub-divided and/or sub-dividing part will fly apart; the same with the cell nuclei in to protoplasms of ens; and with the cells of the same : *much more so with the **larger** structures like as to celestial bodies in the s/c non-living process[ess] and like as to the body enta of protoplasms of ens.*

2.1.For the Principle enunciated supra as in 1.1 occurs:progressess both in the s/c living process[ess] and in to the s/c non-living process[ess]

2.2.Further : the rate of occurrence:progression of the said Principle as at 1.1. as in to s/c living process[ess] and s/c non-living process[ess] is equal the same and equivalent:identical [in terms of the Principle of Equivalent:identity q.v.]

2.3.For the occurrence:progression of the Principle as at 1.1 attaches *both* to **structure** and **proportion** as simultaneously

*3.1.As in to the mass:universe the **structure** of all matter:energy will be **defined** the more that it contains proportions [numerically id est in quantity and also as in quality]*

3.2.We thus enunciate the following Principle namely:

*The rate of [increase of] of **increase** of occurrence:progression of proportion as in to any matter:energy will be as directly proportional to the rate of [increase of] of **increase** of occurrence:progression of structure as in to the same*

**And vice-versa**

3.3.And the Principle enunciated as in 3.2 supra occurs:progressess the same equally and equivalent:identical [in terms of the Principle of Equivalent:Identity q.v.] both in the s/c non-living process[ess] and as in to the s/c living process[ess]

17/6/2001

7.55 A M

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**I**

As in to the mass universe the rate of [increase of] the increase in proportions occurring:progressing in any ens [functioning ens]/[70] will be as **directly** proportional to the rate of [increase of] necessity of increasing proportions to occur:progress in that ens so that that ens will not age

**And vice-versa**

This Principle we term as the Principle of Necessity of Increasing Proportions

Id est : the more the *number* of proportions that occur:progress as in to any ens the more that **other additional** proportions are required to occur:progress as in to the same[71] *so that it will not age*

***In other words : the lack of these “additional other” proportions[72] will be as directly proportional to the rate of ageing***

Thus we enunciate the next Principle namely:

**II**

The rate of [increase of] *lack of additional proportions* will be as directly proportional to the rate of [increase of] [propensity to] ageing

**And vice-versa**

This Principle just enunciated is by its own assertion the definition of **Ageing q.v.**

**III**

The rate of [increase of] occurrence:progression of the Principle of Necessity of Increasing Proportions will be as directly proportional to the rate of [increase of] occurrence:progression of **ever-increase of the reproductive number**

And vice-versa

#### IV

The rate of [increase of] occurrence:progression of the Principle of Necessity of Increasing Proportions will be as directly proportional to the rate of [increase of] occurrence:progression of phaenomena in the relative ens[73] *as in a cycle[s]*

And vice-versa[74]

#### V

The rate of [increase of] occurrence:progression of the *exactitude of the cycle[s]* will be as directly proportional to the rate of [increase of] occurrence:progression of phaenomena in the relative ens as in a cycle[s] as per Principle IV

And vice-versa

13/5/2001

Mother's Day

8.11 A M

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## LETTERS ON SCIENCE

### SERIES A

#### LETTER XIX

1.1.For the verification[75] of any *Assertion* these are the following minimum requisites : namely :

- a.the expression of the Assertion in a sentence or sentences
  - b.the coherence between one part of the sentence[s] and the other part[s]
  - c.the expression of the Assertion agrees with observed scientific data:observations:experiments
  - d.the expression of the Assertion involves the increase or decrease of motion, mass, energy or any other similar term
  - e.the expression of the Assertion involves a plurality of enta rather than a singularity or rather a category of enta than an individual ens
- 1.2. The rate of [increase of] verification of Assertion as accordant to these Principles will be as directly proportional to the rate of [increase of] our due assent to the same

**And vice-versa**

- 1.3. The rate of [increase of] verification of Assertion will be as directly proportional to the rate of [increase of] vicinity to observation of the Five minimum requisites as per 1.1 supra

**And vice-versa**

2.1.As in to the mass universe *all is proportion* [Vedi our works of Saint George's Feast Day of 1991]

2.2.Therefore a Principle once that it expressess proportion is verified.

2.3.Indeed

*The rate of [increase of] expression of proportion in any Principle will be as directly proportional to the rate of [increase of] the rate of its verification*

**And vice-versa**

3.1. The proportionality of matter:energy is the equivalent:identity of the proportionality of numbers, figures signs

3.2. The rate of [increase of] proportionality of matter:energy will be as directly proportional to the rate of [increase of] proportionality of numbers figures signs

**And vice-versa**

3.3.*The mathematical expression of the mass:universe and its physicalist expression are thus equivalent:identities in terms of the Principle of Equivalent Identity q.v.*

3.4.*The physicality of the mass universe can therefore be exprest as in to its mathematics, once it be proportional*

3.5.*The mathematicality of the mass universe can therefore be exprest as in to its physicality, once it be proportional*

4.1.The rate of [increase of] at which the physicalist of the mass universe is exprest in the mathematicality of the same [mass universe] will be as directly proportional to the rate of [increase of] proportionality of:in the same

**And vice-versa**

4.2.The rate of [increase of] at which the mathematicality of the mass universe is exprest in to the physicality of the same [mass universe] will be as directly proportional to the rate of [increase of] proportionality of:in the same

**And vice-versa**

4.3.Experiments observations and other empirical phaenomena are *expressions of the proportionality of the mass universe*

4.4.The rate of [increase of] validity of experiments observations and other empirical phaenomena will be as directly proportional to the rate of [increase of] the proportionality of the same [experiments observations and other empirical phaenomena]

**And vice-versa**

5.1.The expression of phaenomena:occurrences of the mass universe as in to mathematical equations:figures:signs and the physicalist occurrence:progression of the same must be[76] and are[77] equivalent:identities in terms of the Principle of Equivalent Identity q.v.

5.2.The expression of phaenomena:occurences of the mass universe as in to proportions and the physicalist occurrence:progression of the same must be[78] and are[79] equivalent:identities in terms of the Principle of Equivalent:Identity q.v.

5.3.The Principle of Equivalent:Identity q.v. is the equivalent identity of the Principle of Parallell Perception as per our *Reflections On a Metaphysics of Existence*

24/6/2001

9.35 A M

**LETTERS ON SCIENCE**

**SERIES A**

**LETTER XXI**

*1.1.As in to the mass universe the rate of [increase of] temperature in any matter:energy will be as directly proportional to the rate of [increase of] the rate at which matter:energy turns to mass:matter*

**And vice-versa**

*1.2.As in to the mass universe the rate of [increase of] at which temperature of any matter:energy remains constant will be as inversely proportional to the rate of [increase of] the rate at which matter:energy turns to energy:matter or vice-versa*

**And vice-versa**

1.3.As in to the mass universe at any absolute time:space moment the rate of [increase of] constancy of temperature will be as inversely proportional to the rate of [increase of] fluctuation of the same [temperature]

**And vice-versa**

2.1.The rate of [increase of] constancy of temperature in colloid will be as inversely proportional to the rate of [increase of] colloid

**And vice-versa**

2.2.The rate of [increase of] colloid will be as directly proportional to the rate of [increase of] operation:progression or Reduction q.v.

**And vice-versa**

2.3.The rate of [increase of] Reduction q.v. will be as directly proportional to the rate of [increase of] propensity to DNA reduction

**And vice-versa**

3.1.The rate of [increase of] fluctuation of temperature will be as directly proportional to the rate of [increase of] propensity of matter:energy to coil as in to a wound spring

**And vice-versa**

3.2.The rate of [increase of] propensity to coil as in to a wound spring will be as directly proportional to the rate of [increase of] genesis:occurrence:progression of molecules

**And vice-versa**

3.3.The rate of [increase of] occurrence:progression of fluctuation of temperature [F] will be as directly proportional to the rate of [increase of] smallness in difference of temperature per fluctuation [s] multiplied by the number of fluctuations [f]

And vice-versa

Thus:

In algebraic form:

$$[F] = [f] \times [s]$$

and:

as by algebraic transformation:

$$[f] = [F] \text{ divided by } [s]$$

and

$$[s] = [F] \text{ divided by } [f]$$

1/7/2001

8.37 A M

1

What is Concurrence

As in to the mass universe all phenomena that occur:progress as from the Rim inwards occur:progress as in [bio]chemical combination

Now suppose that we image the cluster or bead of [bio]chemical combination[s] as in linear mode

And that divers linear modes are moving forth *in the same direction* albeit at slightly varying speeds:velocities

Even if some of these divers linear modes are moving forth at more varying speed:velocities *if these diverse linear modes are many in number* then together they will be perceived:manifested as *moving at an approximately similar:equal speed:velocity*

*Indeed in process if some or more of the divers linear modes are moving at more varying speeds:velocities and **as simultaneously** the number of these divers linear modes is increased then one sets-off as against the other and the divers linear modes will move as in one global whole approximately at equal speeds:velocities*

This I term the Principle of Set-Off of Increasing Variations of Speeds:Velocities and Increasing Numbers of Divers Linear Modes

And these divers linear modes moving together, taken together and perceived:manifest globally id est *as one whole matter:energy* will be the equivalent identity of the *process*

Process is not necessarily s/c living; but more often than not we refer to the Process as s/c living.

*For Process occurs:progressess by far as in to the s/c living than in the s/c non-living*

Indeed we enunciate that:

The rate of [increase of] vicinity to s/c living will be as directly proportional to the rate of [increase of] vicinity to s/c Process

**And vice-versa**

2

Concurrence is in the Mass Universe from the Rim to the s/c Life Process[ess]

Concurrence occurs:progressess from the Rim of the mass:universe onwards and inwards

Indeed we might enunciate that:

*The rate of [increase of] motion from the Rim of the mass universe onwards and inwards will be as directly proportional to the rate of [increase of] occurrence:progression of Concurrence as in to the same*

### **And vice-versa**

Id est : the more that we move as near to the s/c life:process[ess] the more [and in as direct proportion] will there occur:progress an increase in Concurrence q.v.

[And vice-versa]

[Note the import of the Vice-versa here]

3

New Principles of Concurrence

**A**

The rate of [increase of] occurrence:progression of Concurrence q.v. will be as directly proportional to the rate of [increase of] propensity to transformation to wave:current of the globality of divers linear modes

And vice-versa

**B**

The rate of [increase of] occurrence:progression of Concurrence q.v. will be as directly proportional to the rate of [increase of] energy percentage of:in:to the globality of divers linear modes

And vice-versa

**C**

The rate of [increase of] of occurrence:progression of Concurrence q.v. will be as inversely proportional to the rate of [increase of] mass percentage of:in:to the globality of divers linear modes

**And vice-versa**

4

Of how Clusters of Adjacent [Bio]chemical Combinations are the Equivalent:Identities of Process

Adjacent [bio]chemical combinations occur:progress as accordant to the Principles of Global Balance q.v. and of Contiguous Adjacent Reference Frames q.v.

Therefore and accordingly [bio]chemical combinations will have a propensity to stick together; the one to the next; and together as in a Bead.

Thus graphically:physically the Bead of [bio]chemical combinations will be a *cluster*

Now what has been asserted of the [bio]chemical combinations as in to ----> cluster[s] must can and will be asserted in respect of adjacent contiguous clusters : these following and observing the Principles of Global Balance q.v. and of Contiguous Adjacent Reference Frames q.v. will also cluster together as with the [bio]chemical combinations in adjacent contiguity

I assert that the cluster is already a process; but everything in the mass universe from the Rim inwards is *relative*.

**Consequently I assert of the *relativity of Process***

The cluster is the *minimum percentage[80]* of Process; the global totality of adjacent contiguous cluster ---> *maximum percentage[81]* of Process q.v.

Thus at this juncture we enunciate:

That:

*The rate of [increase of] clustering of [bio]chemical combinations in adjacent contiguity will be as directly proportional to the rate of [increase of] vicinity to the minimum percentage[82] of Process*

**And vice-versa**

And:

*The rate of [increase of] clustering of clusters [of [bio]chemical combinations in adjacent contiguity] themselves will be as directly proportional to the rate of [increase of] vicinity to the maximum percentage[83] of Process*

**And vice-versa**

And:

*The rate of [increase of] clustering of combining matter:energy in immediate adjacent contiguity multiplied by the rate of [increase of] such matter:energy will be as directly proportional to the rate of [increase of] vicinity to maximum percentage[84] of Process q.v.*

**And vice-versa**

5

Process : s/c Living and s/c Non-Living

The Process is a phenomenon of the mass universe.

As such it is not tied down to any status [s/c living or s/c non-living] but is relative.

For the mass universe itself from the Rim inwards is relative.

*Therefore in this relativity there is a gradation from the s/c non-living to the s/c living : all is[85] included and is to be[86] included within this gradation*

6

**Of How in Turn Processes themselves are Concurrent**

In the mass universe Process is not singular but is plural as are the matter:energies of the mass universe.

*As such in the mass universe there can and must and ought to be[87] and there are[88] a plurality of Processess.*

The Plurality sequitur from the evolution:progression of the mass universe itself and the number of that Plurality from the Principles of Chance and Probability.

7

### **Graphic Scenario of Concurrent Processess**

The graphic scenario of Concurrent Processess is the equivalent:identity of the mass universe perceived in toto that is *as with a God-like eye* : the constant motion and occurrence:progression of matter:energies is observed and with them sequitur the possibility of discovery by the promising scientist of new and just evolving Principles.

But this is the graphic scenario of the mass universe.

In the s/c living processess there is a graphic scenario that is “quicker” than that perceivable and manifested in the mass universe.

This scenario is perceivable with each individual ens in each individual species of protoplasms of ens.

It is the scenario of which part by part we have been manifesting, perceiving and promoting the engineering thereof in our previous works over the past years.

8

Ageing as the Equivalent Identity of the Graphic Scenario of Concurrent Processess

Thus in the individual protoplasms of ens this scenario [id est as described in 7 supra] is perceived occurring:progression *as over successions of absolute time:space units*.

The succession of absolute time:space units is the equivalent:identity of *ageing*

Now in every Concurrent Process *there is motion as in to the same direction* : therefore and accordingly in Ageing there is motion as in to one same specific direction

Thus by *changing the direction* of Concurrent Process[ess] in Ageing we engineer *away from Ageing*

And indeed this Engineering Assertion should be extended “all over the place” : not merely to Ageing.

The result once and if obtained [qua engineering] is revolutionary.

But the supreme revolutionarity remains the engineering of Ageing as through:in:to its Concurrent Process[ess] as above described.

9

Of How this Scenario of Ageing is the Engineering Equivalent of the Ageing:Phaenomenon Itself

The scenario of Ageing described in 8 supra and the engineering remedy to same [Ageing] described in the same 8 supra are indeed equivalent identities *saving with this one exception that **the change of direction of the relative Concurrent Process[ess] is obtained.***

10

Of How the Engineering Remedies Should Start from the Clusters of [Bio]chemical Combination[s] to the Process to the Concurrent Processes; and not Vice-versa

A question here arises : How is the **requisite Change of Direction** obtained?

Is the Direction of the whole Concurrent Process to be changed as it is moving forth *in toto*?

No : we must work here from the change of direction of the parts first; then the change of direction as in to the whole will follow.

11

Of How the Ageing is not as from the Genes but as from the Operation of Concurrence

The Concurrent Process[ess] in all protoplasm of ens operates:occurs *as in [relatively] full autonomy* : here I refer to The Theory of Relative Autonomy of Matter as manifested in our *The Spirit of Metaphysics*

The relative autonomy of matter is the inverse of its conditioning.

This occurs in proportion; such that we may enunciate the Principle that:

*The rate of [increase of] the Relative Autonomy of Matter will be as inversely proportional to the rate of [increase of] its Conditioning*

**And vice-versa**

Therefore even as in autonomy there is not full autonomy but *relatively* full autonomy.

There is = 0% or = 100% but ----> 100% [tnri] and -----> 0% [tnri]

12

Of How the Genesis of Concurrence is not in the Genes but in their Matter:Energy

Matter:energy thus operates:occurs:progressess as in relative autonomy.

This relative autonomy increases as we move to the s/c life process[ess]

Thus we enunciate:

That:

*The rate of [increase of] relative autonomy in matter:energy will be as directly proportional as the rate of [increase of] vicinity to the s/c life process[ess] increases*

**And vice-versa**

But in all cases the autonomy remains always relative; **never absolute.**

The operation:occurrence:progression of this Principle is the *inverse* of the scenario of sovereignty of the genes.

*For the genes themselves move, dance and occur as accordant to the scenario of Relative Autonomy just described. The genes vis-a-vis the Relative Autonomy q.v. are losers never winners*

13

Of How the [Increase of] Concurrence is Accelerated by Matter:in:Qualities rather than as by Matter:in:quantities

Matter:energy itself has in itself and within itself its own destiny - but always relatively.

This Assertion occurs:progressess the more in the s/c life:process[ess]

And further:

*The rate of [increase of] evolution of the s/c relative life process[ess] will be as directly proportional to the rate of [increase of] the rate at which matter:energy itself has in itself and within itself its own destiny*

**And vice-versa**

Now at this juncture we turn to *The Spirit of Metaphysics* wherein it was clearly manifested years ago that qualities are aggregata of quantities.

Thus qualities so to say are sorts of *accelerated quantities*

Therefore Concurrence is accelerated by qualities more - much more - than as by quantities.

14

Of How all Matter:Energy has a Matter:in:Qualities Percentage and a Matter:in:Quantities Percentage However Minimal

At *first glance* it seems that in the Assertion that matter:energy in itself and within itself carries its own destiny - this *seems* to favour the omnipotent power of the genes - and indeed this Assertion *does not contradict that genes insofar as they are matter and not because they are genes - have their own destiny. But other particlae id est other particlae other than gene:Particlae instead of dancing at the whim of the "special" gene:Particlae have equal if not superior powers of own destiny* : that is the gene:particlae are not "special" "controller" Particlae at all but simply like the other particlae : indeed they might be "controller" particlae - they might also be "controlled" particlae - but **this has nothing to do with the mere fact of their status as genes but simply from the sovereign**

**occurrence:operation:progression of Principles - including the occurrence:progression of the Principles of Probability and Chance - that rule sovereign over all particulae whether gene particulae or otherwise.**

Thus when we explain:manifest the destiny of matter:energy in terms of matter:in:qualities Percentage and matter:in:quantities Percentage we are explaining:manifesting *in terms of Principles*

*It is these, id est Principles that rule sovereign over and as through the mass universe from the Rim inwards: and these Principles rule sovereign over both gene particulae and other particulae with equal sway : these Principles **make no discrimination for gene particulae.***

15

Of How All This Occurs:Progressess like as unto the Principle of the Mass:Energy Percentage

As manifested earlier in these works in the mass universe from the Rim of the mass universe inwards all phaenomena that occur:progress are *relative*

This relativity of the mass universe is manifested in the operation of the Principle of the Mass:Energy Percentage : the matter:in:qualities percentage and the matter:in:quantities percentage operate:occur:progress *in the same spirit* and *in the same mode[s]*

16

**Of How ----> Matter:in:Quantity is ----> Controlled**

In the mass universe all phaenomena, occurrences:progressions and matter:energies are *relative*; there also occurs:progressess the Doctrine of Controller:Controlled q.v.

In the mass universe however relative it be all matter:energy will lie as in that state : id est : at absolute time:space moments it will be either controller or controlled.

At different absolute times the same particula might be controller and then controlled;or controlled and then controller.

But matter:in:quality **confronted with adjacent contiguous** matter:in qualities will be controlled; matter:in qualities will be the controller vis-a-vis the matter:in:quantity.

And matter:in:qualities **when and if confronted with adjacent contiguous other** matter:in:qualities will be controller or controlled accordant [and in as direct proportion] as to the *qualities percentage* in each matter:in:qualities : thus we enunciate the Principle:

That:

*The rate of [increase of] qualities percentage in any matter:in:qualities confronted with another or other matter:in:qualities will be as directly proportional to the rate of [increase of] controller [of the matter:in:qualities with the more qualities percentage over the matter:in:qualities with the less qualities percentage]*

**And vice-versa**

17

**Of How ----> Matter:in:Qualities is ----> Controller**

Matter:in:qualities confronted with matter:in:qualities that has a lesser qualities percentage is controller; the more so *when confronted[89] with matter:in:quantities*

18

Of the Cancerology as the Equivalent:identity of ----> Matter:in:Qualities to ----> Matter:in:Quantity

*When and if and to the extent that matter:in:qualities at any absolute time:space site[s]:moment[s] turns to matter:in:quantity then and in as direct proportion the rate of [increase of] propensity to s/c cancer[ous] growth[s] will occur:progress*

19

Of How the Embryology is the Equivalent:identity of -----> Matter:in:quantity to ----> Matter:in:Qualities

*When and if and to the extent that matter:in:quantity transforms:turns to matter:in:qualities then and in as direct proportion the rate of [increase of] propensity to s/c embryology will occur:progress*

28/6/2001

7.17 P M

**LETTERS ON SCIENCE**

**SERIES A**

**LETTER XX**

Hereinafter in to-day's works the "s/c living process[ess]" are called [also] "life"

The edges of the rope of life [s/c living process[ess]] are from one end the physicalist [bio]chemical:mechanical combinations of humdrum s/c living process[ess] and from the other end the consciousness:thought:imagination Process in the:of the Brain:organ or equivalent

The rope of life [s/c living process[ess]] is one continuous whole ever-extending till youth and unfortunately stopping to extend at the commencement of middle age : so long as and in as direct proportion to its extension there occurs:progressess the reproductive number

And between the edges of the rope of life [s/c living process[ess]] is the sleep:dreaming:sub:conscious; this is the middle between the edges of the rope of life [s/c living process[ess]]

No rope holds without its middle : and the rope of life [s/c living process[ess]] does not hold without its middle.

Therefore the rope of life [s/c living process[ess]] holds in as direct proportion to the strength of its middle

We thus enunciate:

The rate of [increase of] strength of sleep:dreaming:sub:conscious will be as inversely proportional to the rate of [increase of] the Percentage Error, Ageing, Death et

### **And vice-versa**

There fore too we must engineer the rope of life [s/c living process[ess]] as to:from its middle

Further the rope of life [s/c living process[ess]] gets tainted from its middle as disease, ageing, the Percentage Error and Death come on and on.

Ageing has its genesis in the middle of the rope of life [s/c living process[ess]] : in all senses

And so have the s/c Percentage Error, Disease and s/c Death.

29/6/2001

Feast of Saint Peter and Saint Paul

7.39 A M

- 1.The rate of sound waves of colliding atoms in a molecule in a cell
- 2.The rate of sound waves of colliding molecules in a cell
- 3.The geometry of sound waves in cells
- 4.The geometry of sound waves in atoms
- 5.The geometry of sound waves in DNA
- 6.The geometry of sound waves in RNA
- 7.The sound wave:heat wave relation in the cell
- 8.The sound wave:heat wave relation in the molecule

- 9.The geometry of relatively regular sound waves
- 10.The geometry of irregular sound waves
- 11.The motion of sound waves in atoms
- 12.The motion of sound waves in cells
- 13.The energy:transformation of sound waves in DNA
- 14.The energy transformation of sound waves in RNA
- 15.The fluctuation of mass:energy in sound waves in the cell
- 16.The fluctuation of mass:energy in sound waves in the atom
- 17.The fluctuation of mass:energy in sound waves in RNA
- 18.The fluctuation of mass:energy in sound waves in DNA
- 19.The fluctuation of mass:energy of sound waves in the Golgi apparatus
- 20.The fluctuation of mass:energy of sound waves in the cytoplasm
- 21.The fluctuation of mass:energy of sound waves in to the nucleus of the cell
- 22.The fluctuation of mass:energy of sound waves in to the nucleus of the atom
- 23.The fluctuation of mass:energy of sound waves in the ectoplasm
- 24.The fluctuation of mass:energy of sound waves in to the endoplasm
- 25.The energy:mass inter-transformations of sound waves in to the cytoplasm
- 26.The energy:mass inter-transformations of sound waves in to the nucleus of the cell
- 27.The energy:mass inter-transformations of sound waves in to the Golgi apparatus
- 28.The energy:mass inter-transformations of sound waves in to the endoplasm
- 29.The energy:mass inter-transformations of sound waves in to the ectoplasm
- 30.The successions or series of sound waves into the cytoplasm
- 31.The successions or series of sound waves into the endoplasm
- 32.The successions or series of sound waves into the nucleus of the cell
- 33.The successions or series of sound waves into the DNA
- 34.The successions or series of sound waves into the RNA
- 35.The geometry of successions or series of sound waves
- 36.The rate of velocity of sound waves in to the nucleus of the cell
- 37.The rate of velocity of sound waves in to the cytoplasm of the cell

- 38.The velocity of sound waves in to the Golgi apparatus
- 39.The acceleration of velocity of sound waves in cells
- 40.The uniformity of velocity of sound waves in cells
- 41.The de-acceleration of velocity of sound waves in cells
- 42.The acceleration of velocity of sound waves in cell division
- 43.The velocity of sound waves during cell synthesis:reduction
- 44.The acceleration of velocity of sound waves in collissions of molecules
- 45.The stability [relative stability] of sound waves in to cells
- 46.The instability [relative instability] of sound waves in to cells
- 47.The stability [relative stability] of sound waves in to the nucleus of cells
- 48.The instability [relative instability] ogf sound waves in to the cytoplasm
- 49.The geometry of relatively stable sound waves
- 50.The dimensionality of sound waves in to the cell
- 51.The geometry of relatively non-stable [unstable] sound waves

DIALOGUE:

Pomtus:

Cintius:

Sixtius:

Pomtus : In us Homines Sapientes with the onset of s/c Ageing hairs grow white. But if this process is observed from its beginning there is manifest that only a few hairs here and there turn white; then others here and there do so; all this occurring;progressing as in succession; at first there is no prevalance:dominance of white hair[s] but thereafter as succession after succession of croppings up of white hairs occur which successions of croppings together and globally constitute the white hair of s/c old age.

Cintius : But the following Principles occur and are therefore to be enunciated:

*I. What occurs progressess occurs as in randomness:chance:probability as regards the exactness of site of occurrence:progression*

*II. A succession of random occurrences:progressions is the equivalent:identity of a global whole planned as by design id est not as by randomness chance:probability; that is in fine the globality of phaenomena occurring randomly as by chance and probability and the globality of phaenomena occurring as by "design and plan" are equivalent:identities in terms of the Principle of Equivalent:Identity [q.v.]*

III. The just enunciated Principles together are also the equivalent:identities of the s/c Moment of Collapse [q.v.] in terms of the Principle of Equivalence:Identity [q.v.]

Sixtius : I will propound the same procedures as regards the study of the cell. For therein lies the equivalent:identity of the physics:chemistry of the s/c life process[ess]. Particular *Topics* regarding the cell are studied; and the Principles thereof enunciated. These together and in their globality will be the equivalent:identity of the physics:chemistry of the s/c life:process[ess] and of our knowledge [and therefore engineering] of the same.

Now the number of these *Topics* is always finite but ever-increasing.

I shall presently assert why.

If we take for instance a lottery wherein of of say thirty numbers a selection of five numbers are the winning combination there are hundreds of thousands of permutations and combinations. Yet however great and large; however ever-increasing the number of these permutations:combinations *the number of the same [permutations and combinations] is always finite.* And the same with the *Topics* regarding the cell as in to the physics:chemistry of the s/c life:Process[ess]

But with one enormous difference of revolutionary import.

In the *Topics* regarding the cell as the number of permutations:combinations increases so does the number of repetition:similarity:cross reference of Principles enunciated

That is:

**The rate of [increase of] Repetition:Similarity:Cross Reference of Principles enunciated as from relatively inter-connected Topics will be as directly proportional to the rate of [increase of] subtraction:decrease of Principles from the original number as required by perutations:combinations to acquire:be the equivalent:identity of knowledge of the physics:chemistry of the s/c life:process[ess]**

And vice-versa

**This we term the Principle of Repetition:Similarity:Cross Reference of Principle[s] [enunciated]**

**The number of Principles though ever-decreasing will still always in fine be on the ever-increase as evolution progressess on and on.**

***Indeed evolution progressess forth not as from large phaenomena but as from these finer Principles.***

[This we can term the Principle:Assertion of Progression of Evolution]

And we go further:hence to a Principle of revolutionary import namely:

Thus:

[Since that the rate of inter-connection of Topics is always relative; since that we are as in to the mass universe where everything is relative]:

We enunciate:

That:

**The rate of [increase of] inter-connection of the Topics will be as directly proportional to the rate of [increase of] occurrence:progression of the Principle of Repetition:Similarity:Cross Reference**

And vice-versa

At this juncture I shall enunciate some of the Topics above mentioned in to-day's works; this is just the beginning of the List; which must be increased further and further; and further and further must we study each of the Topics one by one and enunciate Principles [not the Principles - for here all is relative;nothing absolute] thereof

Thus the following:

Topics:

are:

- 1.The motions of wave-currents in cells during cell division.
- 2.The energy transformations as occurring in cells during cell synthesis:reduction
- 3.The motions of wave currents in cells during reduction and the operation:progression of the Connected Jar Principle.
- 4.The operation:progression of randomness:chance:probability during the occurrence:progression of s/c Ageing
- 5.The energy transformations occurring:progressing in an ageing cell
- 6.The motions of wave:currents in the threads of DNA during extension of the DNA threads
- 7.The operation:progression of change in the pnc of particlae in DNA during extension of the same [DNA]
- 8.The operation:progression of change in the pnc of particlae in DNA during synthesis:reduction of the same [DNA]
- 9.The motions of wave:currents in the cytoplasm during cell division
- 10.The motions of wave:currents in the cytoplasm as during cell synthesis:reduction
- 11.Model of cell synthesis:reduction at a uniform rate
- 12.Model of cell synthesis:reduction at an accelerated rate
- 13.Model of cell synthesis:reduction at a decreasing rate
- 14.The motions of wave:currents in the Golgi apparatus.
- 15.The positioning of particlae:molecules in the Golgi apparatus.

- 16.The motions of wave:currents in the Golgi apparatus during cell division
- 17.The energy:transformations in the Golgi apparatus
- 18.The motions of wave:currents in the Golgi apparatus during cell synthesis:reduction
- 19.The positioning of particlae:molecules in the cytoplasm
- 20.The energy transformations in the cytoplasm
- 21.The succession or series of energy:transformations in the cytoplasm
- 22.The succession or series of energy transformations in the nucleus
- 23.The succession or series of changes in pnk in the cytoplasm
- 24.The succession or series of changes in pnk in the Golgi apparatus
- 25.The energy:transformations in the RNA
- 26.The mass:energy percentage in the RNA
- 27.The fluctuations in succession:series of mass:energy percentage in the DNA during cell synthesis:reduction
- 28.The fluctuations in succession:series of mass:energy percentage in the DNA during cell division
- 29.The succession or series of changes in the pnk in the RNA
- 30.The wave:current transformations of RNA to DNA [during cell synthesis:reduction]
- 31.The wave current transformations of DNA to RNA [during cell division]
- 32.The operation:progression of gravity in the RNA
- 33.The operation:progression of gravity in cell division
- 34.The operation:progression of gravity in cell synthesis:reduction
- 35.The operation:progression of gravity in the Golgi apparatus
- 36.The operation:progression of gravity in DNA extension
- 37.The operation:progression of gravity in RNA [bio]chemical combination
- 38.The fluctuations in the rate of heat during RNA [bio]chemical combination
- 39.The operation:progression of heat as during cell synthesis:reduction
- 40.The operation:progression of heat as during cell extension
- 41.The wave:current transformations in the operation:progression of heat in the DNA
- 42.The wave:current transformations in the operation:progression of heat in the RNA
- 43.The succession or series of fluctuations of rates of heat in the operation:progression of cell division

44.The succession or series of fluctuations of rates of heat in the operation:progression of cell synthesis:reduction

45.The operation:progression of gravity during the selection process of the chromosomes

46.The operation:progression of gravity during the fertilization of the zygote

47.The operation:progression of gravity during wave:current transformations in the cell

48.The succession or series of fluctuations of rates of heat in the Golgia apparatus

49.The operation:progression of wave:currents as in to the endoplasm

50.The wave:current transformations in the endoplasm

51.The change of  $\rho$  in the endoplasm

Cintius : Which List we must further extend in other *Dialogues* now that this present Dialogue is being hereby terminated.

10/10/1999

THE MASTER SCIENTISTS:

ROGO:

Amongst other subjects Rogo treated Phaenomena [q.v.]

**Phaenomena.** Rogo held that all that occurs into the mass universe is phaenomenon; and that the globality of phaenomena and all that occurs from the Rim of the mass universe inwards are equivalent:identities in terms of the Principle of Equivalent:Identity [q.v.]

The phaenomenon is constituted by the following : (I) the particulae; (II) the waves; (III) the motion. Rogo constructed a model [the *Rogo Model*] wherein a specific number of particulae waves and motion constitute as between them a reference frame : one single reference frame.

This single reference frame observes simultaneously the Principle of Mass:Energy Percentage and the Principle of Adjacent Contiguity in respect of its particulae, waves and motions

The particulae:waves between them correspond to [indeed are the equivalent:identities in terms of the Principle of Equivalent:Identities] the length and the breadth. [The particulae are the equivalent:identities in terms of the Principle of Equivalent:Identity of the length; the waves are the equivalent:identities of the breadth]

The motion is the equivalent:identity of the depth in terms of the Principle of Equivalent:Identity [q.v.]

The Model is graphically manifested in Figure A.

**The Further Dimensions.** Rogo manifested that his Model manifested what he termed as *The Further Dimensions*. These dimensions are three [a triad] and indeed are the equivalent:identities of the length:breadth:depth and the particulae:waves:motion dimensions. Thus there are three triad of dimensions all proportional to each other.

The Further Dimensions are : light, sound and heat.

Light is the equivalent:identity in terms of the Principle of Equivalent:Identity [q.v.] of length:waves

Sound is the equivalent:identity in terms of the Principle of Equivalent:Identity [q.v.] of breadth:particulae

Heat is the equivalent:identity in terms of the Principle of Equivalent:Identity [q.v.] of depth:motion

A further Principle of the Model is that in any of its Three Triads any dimensions is at right angles to the other; and were [ex hypothesi] this right angle to break down then and in as direct proportion will the relative structure break down

**The Fundamentality of the Model.** Although Rogo's model is only a model yet it is fundamental in manifesting the nature of matter:energy in the mass universe.

Thus from the Model Rogo enunciated three Principles that define the immensely important terms of *differentiation; function; evolution*.

These Principles are:

I

The rate of [increase of] differentiation of matter:energy will be as directly proportional to the rate of [increase of] the quantum at which a is divided by b and the resultant [of a divided by b] is in turn divided by c; then this division is repeated again and again as in ever-increase

And vice-versa[90]

II

The rate of [increase of] function of matter:energy will be as directly proportional to the rate of [increase of]

differentiation multiplied by the rate of [increase of] ever-duration of the same [differentiation]

And vice-versa

III

The rate of [increase of] evolution will be as directly proportional to the rate of [increase of] differentiation multiplied by the rate of [increase of] function

And vice-versa

**The Model and the Life Processess.** The revolutionary import of the Model is manifested in the life process[ess] wherein the same [Model] represents and is the equivalent:identity of the

mechanics:dynamics of cell division; cell synthesis; cell extension; ageing; cancer[ous] growth[s] and so on.

**The Principle of Relative Quantities.** Rogo went on to enunciate *the Principle of Relative Quantities [q.v.]*

Albeit that this Principle is all over the mass universe Rogo focussed his attentions on to the s/c life process[ess]

This Principle will be manifested as by the following:

Suppose that we cook a particular meal; if we have to cook this meal well we have to raise the temperature to particular specific point[s];but if we exceed that level instead of a good and tasty meal we have a burnt and unsavoury meal [hotch-potch].

The same occurs:progressess as in all the life process[ess] : but Rogo focussed this Principle on one particular phaenomenon : namely the genesis of cancer[ous] growth[s]

Rogo manifested how *that as we increase [bio]chemical combination at particular specific time:space moments we reach differentiation and function[91]; but further [bio]chemical combination in the same particular specific time:space moments will result in s/c cancer[ous] growth[s] - and - the “withering away” of more[92] differentiation and function*

This Assertion [which we shall term *Rogo's Assertion*] is the equivalent:identity of the physics and chemistry of ageing, the Percentage Error, cancer[ous] growth, Death and so on.

3/10/1999

- 1.The role of polarity in cell division
- 2.The role of polarity in cell synthesis:reduction
- 3.The role of polarity in fertilization of the zygote
- 4.The role of polarity in chromosome selection in cell division
- 5.The role of polarity in the DNA strands
- 6.The role of polarity in RNA transfers
- 7.The role of polarity in the positioning of wave:currents in the nucleus of the cell
- 8.The role of polarity in the positioning of wave:currents in the cytoplasm
- 9.The role of polarity in the positioning of wave:currents in the endoplasm

10. The role of polarity in the positioning of wave:currents in the ectoplasm
11. The role of polarity in sub-division of particulae
12. The role of polarity in the formation of molecules
13. The role of polarity in the positioning of chromosomes in the DNA strands
14. The role of polarity in the positioning of adjacent (and non-adjacent) genes in to the protoplasms of ens and/or parts thereof
15. The role of polarity in the positioning of current:waves in to the Golgi apparatus
16. The role of polarity in the extension and division of particulae
17. The role of polarity in [bio]chemical combination
18. The role of polarity in the extension of DNA strands
19. The role of polarity in quantum physics
20. The role of polarity in celestial physics
21. The role of polarity in the functions of the Brain Organ or Equivalent
22. The role of polarity in the functions of the heart
23. The role of polarity in the connective tissues of protoplasms of ens
24. The role of polarity in the epithelial tissues of protoplasms of ens
25. The role of polarity in the functions of the liver in to protoplasms of ens
26. The role of polarity in the functions of the stomach in to protoplasms of ens.
27. The role of polarity in the functions of the spinal chord in to protoplasms of ens
28. The role of polarity in the functions of the nervous system
29. The role of polarity in the functions of the metabolic system
30. The role of polarity in the blood system
31. The role of polarity in the endocrine system in to protoplasms of ens
32. The role of polarity in the functions of the reproductive system
33. The role of polarity in the functions of the ear
34. The role of polarity in the functions of the eye
35. The role of polarity in the functions of the nose
36. The role of polarity in the extension of dominant genes in to protoplasms of ens
37. The role of polarity in the protection of recessive genes in to protoplasms of ens

- 38.The role of polarity in the reception of variations:mutations
- 39.The role of polarity in the muscular system of protoplasms of ens
- 40.Polarity and the motion of wave:currents in to protoplasms of ens
- 41.Polarity and the motion of wave:currents in to the Brain Organ or Equivalent
- 42.The role of Polarity in the origin and genesis of Sex
- 43.The role of polarity in the progression of evolution
- 44.The role of polarity in the genesis of Thought in to the Brain Organ or Equivalent
- 45.The role of polarity in the progression of evolution of protoplasms of ens
- 46.The role of polarity in the genesis of Judgement in to the Brain Organ or Equivalent
- 47.The role of polarity in the formation:genesis of organs in to archaeprotoplasms of ens
- 48.The role of polarity in the evolution:progression of the [bio]chemistry of protoplasms of ens
- 49.The role of polarity in the formation:genesis of organs in to unicellular enta of protoplasms of ens
- 50.The role of polarity in the differentiation of genes in to protoplasms of ens
- 51.The role of polarity in the segregation of genes in to protoplasms of ens
- 52.The role of polarity in the Principle of Mass:Energy Percentage [q.v.]
- 53.The role of polarity in the Principle of Contiguous Adjacent Reference Frames [q.v.]
- 54.The role of polarity in the formation:genesis of the nucleus of the cell
- 55.The role of polarity in the formation:genesis of the cell of protoplasms of ens
- 56.The role of polarity in the formation:genesis of function in to protoplasms of ens
- 57.The role of polarity in the rise of multi-cellullar enta in to protoplasms of ens
- 58.The role of polarity in the progression of evolution in chromosomes in to protoplasms of ens
- 59.The role of polarity in the incorporation of perceptions:receptions:variations in to protoplasms of ens

## THE MASTER SCIENTISTS

GETZ

Central to Getz is the *Principle of Duality* which he extended all over his work as shall be manifested.

**The Principle of Duality.** In Getz the Principle of Duality is asserted as seven other [sub] Principles namely:

I. What receives, gives

*II. What receives gives in as direct proportion to what it receives*

And vice-versa

*III. In the matter:energy wherein the Principle of "What receives:gives" operates:progressess, all motion is at specific absolute determinate moments either of receipt:dominant or of giving:dominant*

*IV. In specific absolute determinate moments the rate of receipt:dominant will always be as inversely proportional to the rate of giving:dominant*

And vice-versa

*V. The rate at which any motion in any matter:energy will be in the vicinity of total receipt:dominant:giving:dominant will be as directly proportional to the rate of vicinity of the s/c life processess*

And vice-versa

*VI. The rate at which any motion in the s/c life processess will be in the vicinity of total receipt:dominant:giving:dominant will be as directly proportional to the rate of evolution of the same [s/c life process(ess)]*

And vice-versa

*VII. The rate of vicinity of any motion in protoplasm of ens to the vicinity of total receipt:dominant:giving:dominant will be as directly proportional to the rate of vicinity of the same to the s/c Brain Organ or Equivalent*

And vice-versa

**The Principle of Duality in [to] the Brain Organ or Equivalent.** As sequitur from the above Principles the Principle of Duality should in has - both in the Ideal State and as in the Practical State - have its utmost manifestation. And the more that this manifestation occurs as into the Brain Organ or Equivalent the more [in as direct proportion - this itself is a Principle] evolved [the higher the rate of evolution] of the same [Brain Organ or Equivalent].

The Principle of Duality in [to] the Brain Organ or Equivalent is seen as if there is a duality of brains and not one Brain Organ or Equivalent

This is manifested in the following Dualities of the Brain Organ or Equivalent namely: *Perception:Thought; Thought:Dreaming; Waking:Sleeping*

The significance and import of our understanding more and more and of our obtaining more and more knowledge of the same is the equivalent:identity of our obtaining more and more engineering power over the Brain Organ or Equivalent and [thence] over the s/c life process[ess]

**The Principle of Duality as in to Protoplasm of Ens.** But the Principle of Duality [q.v.] as in to protoplasm of ens goes further than the Brain Organ or Equivalent.

Thus there occurs the progression of the Principle of Duality as in to the following : namely : mass:energy percentage; in to the strands of the DNA; in to the sides of the equation of [bio]chemical combination; in metabolism; in to the cytoplasm:nucleus in to the cell; in the DNA and RNA in the

nucleus of the cell; in reduction:synthesis and extension; in the fertilization of the zygote; in to the division of the cell; in to the selection of the chromosomes; in to dominant genes:recessive genes and so on.

The workings of the Principle of Duality as just above mentioned should be studied further in the future taking every duality **as specifically one by one** till our knowledge of each is so increased as to increase in as direct proportion our engineering power to s/c Immortality of Ens [q.v.]

**The Principle of Duality versus the Principle of Chance and Probability.** The Principle of Duality must be seen as against the Principle of Chance and Probability especially as in to protoplasm of ens. Indeed the conflict between the Principles[93] and the simultaneous working thereof[94] are the equivalent:identity in terms of the Principle of Equivalence:Identity [q.v.] of the s/c life process[ess] themselves

Thus too in the s/c life process[ess] as well as in to the s/c non-living process[ess] the simultaneous working:occurrence:progression of the Principle of Duality and of the Principle of Chance and Probability will be the equivalent:identity of both the *s/c order:conservation* and the *s/c evolutive randomness:progression* of the same

**The Principle of Duality versus the Principle of Chance and Probability as in to the Brain Organ or Equivalent.** In to the Brain Organ or Equivalent the Principle of Duality [q.v.] versus the Principle of Chance and Probability [q.v.] will work out and result in the inter-play and inter-transformation[95] as into the *obedience to order:conservation* of the same [Brain Organ or Equivalent} in certain absolute parts[96] and in certain specific absolute times[97] and as in to the *will,imagination and s/c creativity* in certain other absolute parts and in certain other specific absolute times of the same [Brain Organ or Equivalent]

Indeed the *Conservation:Creativity Percentage; the Order:Conservation Percentage; the Obedience:Will Percentage* as equivalent:identities - in terms of the Principle of Equivalence:Identity [q.v.] - of:in to the Brain Organ or Equivalent operate:progress like as unto the Principle of Mass:Energy Percentage [q.v.] and therefore there should be Principles of the same[98] which operate:progress in to the Brain Organ or Equivalent like as un to the Mass:Energy Percentage[99]

17/10/1999

ON THE EVOLUTION OF THE PRIMITIVE BRAIN:

THIRTY SEVENTH SECTION:

427 - On the Principle that in the mass universe [bio]chemical combination[s] of specific determinate particulae results in:is the equivalent:identity [in terms of the Principle of Equivalent:Identity] specific determinate shapes:sizes of the particulae thus combined

This Principle we term the Principle of Genesis of Size:Shape

428 - On the Principle that the rate of [increase of] operation:progression of the Principle of Genesis of Size:Shape is directly proportional to the rate of [increase of] growth:progression of matter:energies in[to] specific determinate Size[s]:Shape[s]

And vice-versa

429 - On the Principle that in the occurrence:progression of the Principle of Size:Shape the rate of [increase of] progression of growth of size [of matter:energies] will be as directly proportional to the rate if [increase of] progression of growth of shape as in to the same [matter:energies]

And vice-versa

430 - On the Principle that in the mass universe should the rate of [increase of] progression of growth of size be stopped [----> stopped] then and in as direct proportion to the rate of such stoppage the rate of [increase of] shape will be accelerated to the double of the original rate of growth of the same [shape] {should the progression of growth of size not have been stopped}

And vice-versa

431 - On the Principle that in the mass universe should the rate of [increase of] progression of growth of shape be stopped [----> stopped] then and in as direct proportion to the rate of such stoppage the rate of [increase of] size will be accelerated to the double of the original rate of growth of the same [size] {should the progression of growth of shape not have been stopped}

And vice-versa

432 - On the Principle that by utilising these last Principles *all and any* protoplasms of ens can be engineered to grow [ever-grow; ever-increase in the reproductive number] *not by growing in size; but indeed while remaining as constant in size constantly changing its shape*

This we shall term the Principle of Engineered Inducement to Ever-Continuous Change of Shape

433 - On the Principle that the rate of occurrence:progression of the Principle of Engineered Inducement to Ever-Continuous Change of Shape will be as directly proportional to the rate of operation:progression of the Principle of Immortality of Ens as in(to) the same

And vice-versa

This we term the Principle of Escape to Immortality of Ens

[Note that in the last Dialogue between Cintius; Sixtius and Pomtus of the 17<sup>th</sup> February 1999 the phenomenon of the “immortal Medusa” therein described and also explained by Principle[s] is manifested as well in this previous Principle - of Escape to Immortality of Ens]

434 - On the Principle that in Speech and as by Speech the **word** is the equivalent:identity of a specific number of chains of molecules:particulae joined up in specific determinate mode and shape

435 - On the Principle that therefore the [rate of] [increase of] words in Speech and as by Speech will be as directly proportional [equivalent:identical] to the rate of ever-increase of specific numbers of chains of molecules:particulae joined up in specific determinate mode and shape

And vice-versa

436 - On the Principle that since that the rate of ever-increase of specific numbers of chains of molecules:particulae joined up in specific determinate mode and shape is the equivalent:identity of s/c Immortality of Ens [q.v.] then - and in as direct proportion::equivalent:identical - will the [rate of] [increase of] words in Speech and as by Speech progress to s/c Immortality of Ens [q.v.]

And vice-versa

437 - On the Principle that there is an equivalence:identity between the ever-increase of words in Speech and as by Speech and the ever-increase of Thought

438 - On the Principle that since that there is an equivalent:identity of ever-increase of:in Thought and ever-increase of words in Speech and as by Speech therefore and in as direct proportion *the last manifested Principles occur in equivalence:identity as in Thought and as by Thought*

439 - On the Principle that in the Brain Organ or equivalent the rate of [increase of] pain will be as directly proportional to the rate of [increase of] Fear

And vice-versa

440 - On the Principle that in the Brain Organ or Equivalent the rate of [increase of] pleasure will be as inversely proportional to the rate of [decrease of] Fear

And vice-versa

441 - On the Principle that in the Brain Organ or Equivalent the rate of [increase of] Hidden Fear [q.v.] will be as inversely proportional to the rate of [increase of] Overt Fear

And vice-versa

442 - On the Principle that in the Brain Organ or Equivalent the rate of [increase of] Hidden Fear [q.v.] will be as directly proportional to the rate of [increase of] evolution of the same [Brain Organ or Equivalent]

And vice-versa

443 - On the Principle that in the Brain Organ or Equivalent the rate of [increase of] evolution of the emotions will be as directly proportional to the rate of [increase of] propensity to Hidden Fear [q.v.]

And vice-versa

26/2/1999

8.35 P M

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- [1] In terms of the Principle of Mass:energy Percentage q.v.
- [2] In the s/c Ideal State as well as in to the s/c Practical State
- [3] Of s/c ageing et reference frame[s]
- [4] As in to the s/c Ideal State and as in to the s/c Practical State
- [5] Irrespective of species; indeed here we cross from one species to another
- [6] The import of the Vice-versa manifests **as in a mirror** the occurrence:progression of evolution in physical:graphical mode q.v.
- [7] In terms of the Principle of Equivalent:Identity q.v.
- [8] To be understood *in its maximum significance* q.v.
- [9] Protoplasms of ens q.v.
- [10] In terms of the Principle of Equivalent:Identity q.v.
- [11] In the Practical State q.v.
- [12] In the Ideal State q.v.
- [13] As in to the Emotions q.v. et
- [14] The simultaneity is vital
- [15] As in to the case of sheer Phaenomena
- [16] As in to the Ideal State q.v.
- [17] As in to the Practical State q.v.
- [18] As in to the Ideal State q.v.
- [19] As in to the Practical State q.v.
- [20] As in to the Ideal State q.v.
- [21] As in to the Practical State q.v.
- [22] As in to the Practical State q.v.

[23] As in to the Ideal State q.v.

[24] In terms of the Principle of Equivalent:Identity q.v.

[25] Inside of the Rim [of the mass universe] **as well as** outside of the same [Rim of the mass universe]

[26] Or rather : *The rate of [increase of] transformation of energy to mass will be as directly proportional to the rate of [increase of] shrinking:contraction of the time:space surrounding the same [matter:energy]*

*And vice-versa*

[27] As in to the Practical State q.v.

[28] As in to the Ideal State q.v.

[29] Including the motions in cells

[30] Saving any other specific particular Principle

[31] I shall term these also as **the Principles of Traditional Physics**

[32] That is the Ideal State q.v. and as in to the Practical State q.v.

[33] Remember that we are the basis of the s/c life process[ess] here and therefore here there is **constitution** q.v. **not fragmentation** q.v.

[34] Vedi to-day's earlier works for the enunciation of this Principle

[35] Id est **appear empirically**

[36] Whether logical or practical

[37] As per conventional science q.v.

[38] As in to the Ideal State q.v.

[39] As in to the Practical State q.v.

[40] As manifested in our earlier works q.v.

[41] As in [8] supra

[42] Also as per our previous works q.v.

[43] A figurative mode of describing:terming **the brain organ or equivalent** q.v.

[44] As according to the Principle of Equivalent:Identity q.v.

[45] Although **as by rational:logical extension the same might be asserted as of the ovaries** q.v.

[46] In the sense of **mass percentage**

[47] In the sense of **energy percentage**

[48] Id est : both as into the Ideal State q.v. and as in to the Practical State q.v.

[49] In to the Practical State q.v.

[50] In to the Ideal State q.v.

[51] Id est as in the Ideal State q.v.

[52] Id est as in the Practical State q.v.

[53] In terms of the Principle of Controller:Controlled q.v. as per our **The Spirit of Metaphysics 1977**

[54] As in:is the case of matter:energy of protoplasms of ens

[55] Id est : the Principles as above mentioned are equivalent:identical interms of the Principle of Equivalent:identity q.v.

[56] Id est : as in to the Practical State q.v.

[57] Id est : as in to the Ideal State q.v.

[58] Id est : as in to the Practical State q.v.

[59] Id est : as in to the Ideal State q.v.

[60] As conta-distinct to **singularity** [except in the case of plural births like twins et] in *Homines Sapientes* q.v.

[61] As especially as in to species other than *Homines Sapientes* q.v.

[62] As in to the Practical State q.v.

[63] As in to the Ideal State q.v.

[64] Refer to : the *mass:energy percentage* q.v.

[65] As in to the Practical State q.v. .

[66] As in to the Ideal State q.v.

[67] The rate of [increase of] *indivisibility* to ----> 100% [*though never reaching it*] as in to the Genetical Phaenomena of Protoplasms of Ens will be as *directly* proportional to the rate of [increase of] occurrence:progression of *evolution* of the same

And vice-versa

[68] All and any

[69] Vedi as per our previous works q.v.

[70] And including all and any **protoplasms of ens**

[71] Ens including all and any **protoplasms of ens**

[72] In ever-increase

[73] Including protoplasm of ens q.v.

[74] Herein lies the engineering import of the Principle

[75] Vedi our previous works on the theme q.v.

[76] Id est : as in to the Ideal State q.v.

[77] Id est : as in to the Practical State q.v.

[78] Id est : as in to the Ideal State q.v.

[79] Id est : as in to the Practical State q.v.

[80] Though never becoming = 0% but only ----> 0% [tnri]

[81] Though never becoming = 100% but only ---> 100% [tnri]

[82] As per above q.v. - vedi footnote 1

[83] As per above q.v. - vedi footnote 2

[84] As per above q.v. - vedi footnote 2

[85] Id est : the Practical State q.v.

[86] Id est : the Ideal State q.v.

[87] Id est : the Ideal State q.v.

[88] Id est : the Practical State q.v.

[89] Id est : measured against; compared with; et

[90] Thus a sub-division of energy:matter, of motion, of current:waves and so on is attained; and this is carried at a rate of ever-increase : this is the equivalent:identity of the Principle of Sub:division in progression [q.v.]

[91] That is the smooth flowing of motion [q.v.] as one of the pilasters of the triad

[92] Since the quantum of differentiation reached will not be withered away following the Principles of Conservation of Mass:Energy; but once that the ever-increase in differentiation is stopped, then indeed function will start to wither away - since that function to continue will require a proportional continuous and ever-flowing quanta of increase [ever-increase] of differentiation

[93] This we shall term *the Principle of Conflict [as between Duality and Chance and Probability]*

[94] This we shall term *the Principle of Simultaneous Occurrence:Progression of Duality and Chance and Probability q.v.*

[95] In terms of Principles of inter-transformation [say of mass:energy et] manifested previously in our works [q.v.]

[96] Of space-units; but since that any space:unit is a time:unit ergo of time:units as well.

[97] Of time:units therefdre; but since that any time:unit is a space unit ergo in space:units as well

[98] That is of the same Percentages; and therefore : *Principle of Order:Conservation Percentage [q.v.]; Principle of Conservation:Creativity [q.v.]; Principle of Obedience:Will [q.v.]*

[99] All these Principles therefore present percentages that are either ---> 0% [tnri] or ---->100% [tnri] and *not and never* as = 0% or = 100%