

# All That Is

Infinite Smallness x Infinite Largeness  
equals  
finite Unity

Past's Destruction  
→ Now →  
future's Construction

(s)

I  
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(-) Eternities (+)

i  
t  
i  
e  
s

(L)

S  
p

(-) Polarity (+)

c  
e  
s



The One  
(solidity)

and

The None  
(vacuity)

are

Impossible,

thus

The

In, between

zero Sum thing

(Plus & Minus)

The singularity of nothingness  
Demands existential closure,  
Which demands compositional parity,  
Which demands cubic space.

Our universe's Dimensionality  
Is as inevitable as its existence.

Maybe this:



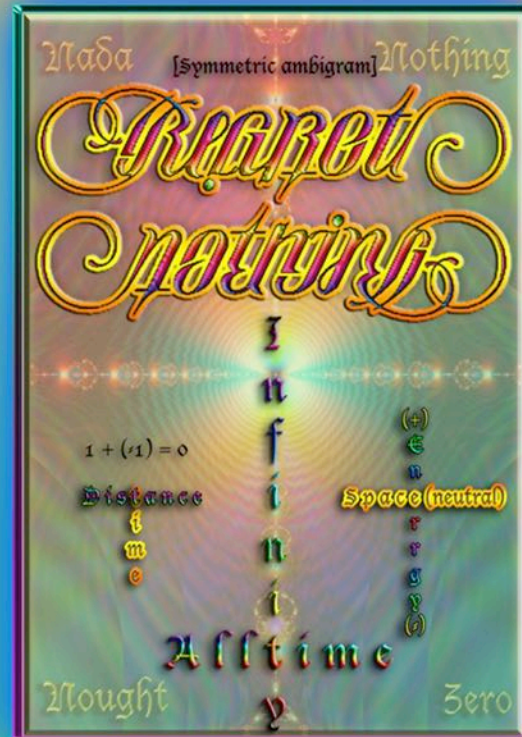
Or, maybe not.

(It was first asked  
When the first caveman  
Or woman said  
"What the heck am I doing here?")





we have often wondered  
 why some space exists,  
 why it permits  
 the countless  
 to briefly persist  
 On Mother Earth  
 Nourished under  
 father Sky—  
 All of those  
 finite sparks  
 That light and die.



Like slow fires making  
 their brands, it breeds;  
 Yet, ever consumes  
 and moves on,  
 as more it feeds,  
 Then spreads forth anew,  
 this unpurposed dispersion,  
 An inexorable emergence,  
 with little reversion,  
 Ever becoming of  
 its glorious excursions  
 Through the change that  
 patient time restrains.





### Hints

There is only one solution,  
Although there surely seems to be  
Not anything left,  
(And necessarily only one universe, too)  
Due to the constraints,  
Some of which I have mentioned,  
But it is the perfect solution,  
The clues even abounding all around us.

(Such as)

By the way,  
There is not a whole lot  
To consider for the particle portion,  
For there are only two of them  
And only two ways to make them;  
Yes, just two stable particles—  
The electron and the proton  
(And, in fact, there can be only two;  
Note: we are not differentiating  
Them and their antiparticles,  
Although they are explained, as well,  
And are necessary).

It all gets down to symmetry,  
And this provides us  
With direction toward other happenings  
(Although they are not of the essence);  
For example, that since the All  
Must be eternal  
(Or else there would be  
More than the Ultimate All).



### THE THEORY OF EVERYTHING:

nothing (why) + possibilities (how)

{ [space(where) ← (appearances) → matter(what)]

+

[past(then) → (movement) → future(when)] }

=

the spirit of life

↓  
evolution

↓  
being (who)

↓  
now

ALL THE WAY UP

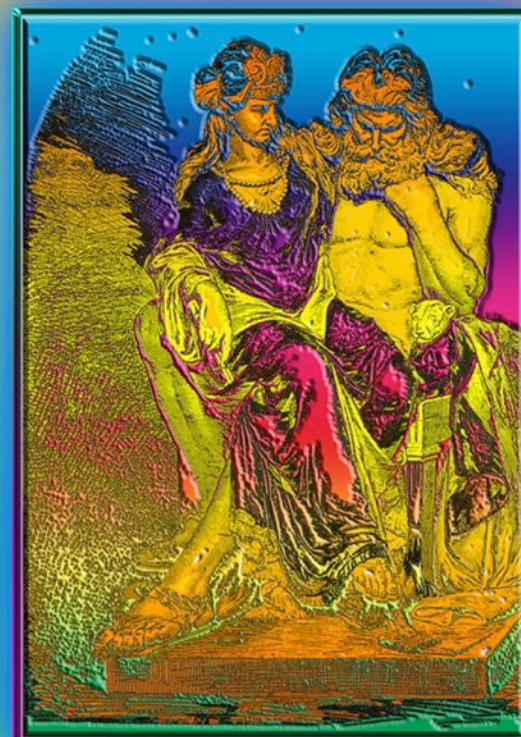
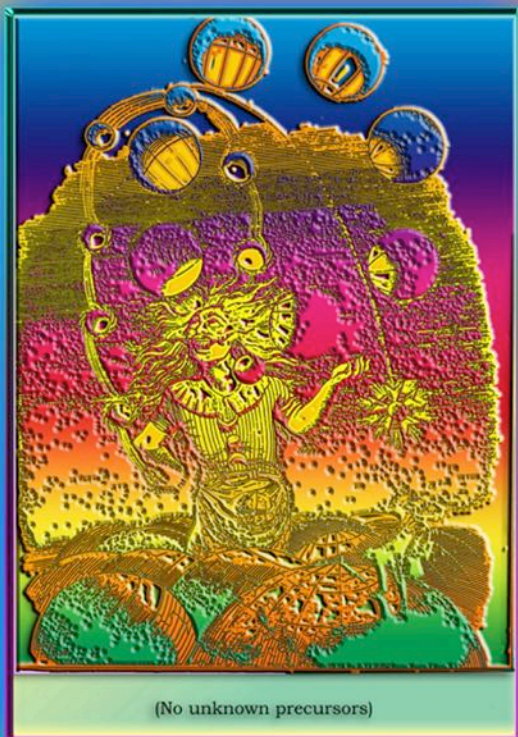
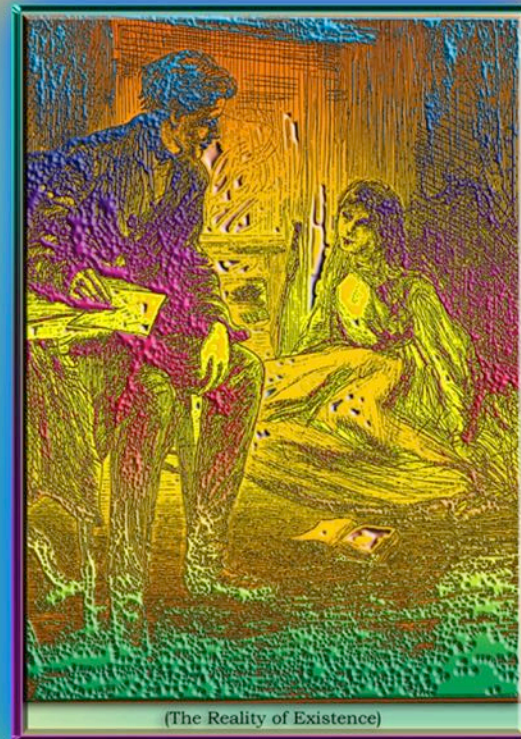
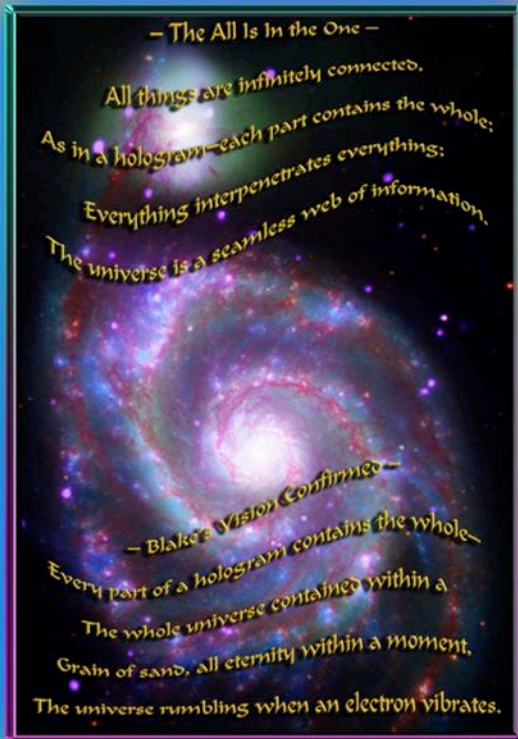


ASTRONOMY TOOK THE PLACE OF ASTROLOGY;  
CHEMISTRY REPLACED ALCHEMY;  
PHILOSOPHY BEGINS WHERE RELIGION ENDS.

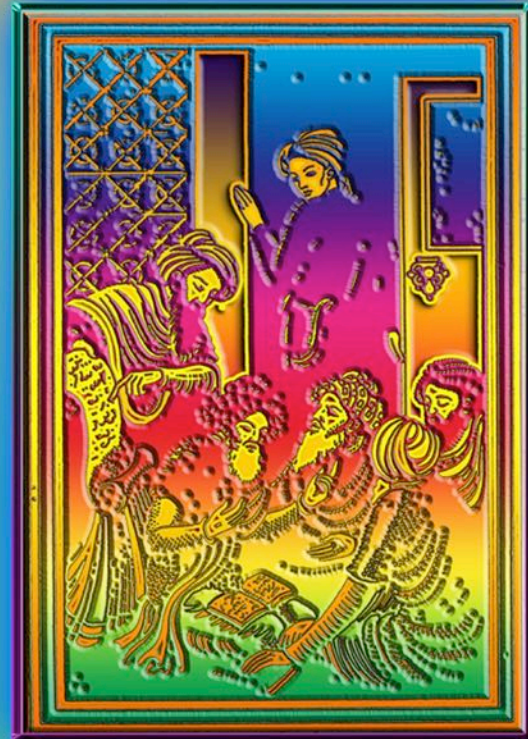
### Answers

Science discovers the truth everywhere;  
Philosophers just sit around in chairs;  
Religion just makes for bigger questions;  
Evolution explains how we got somewhere.









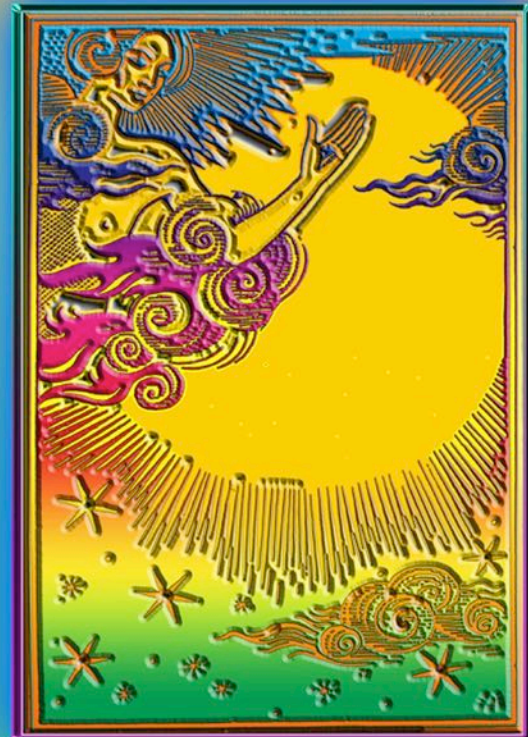
### Noether's First Theorem

First proved in 1915 and published in 1918,  
 Amalie Emmy Noether's First Theorem  
 Gives a profound connection  
 Between continuous symmetries  
 And conservation laws  
 For certain classes of theories.

The familiar consequences of Noether's Theorem  
 Are that space translational symmetry  
 Gives us conservation of momentum,  
 Rotational symmetry gives us conservation  
 Of angular momentum,  
 Time translational symmetry gives us  
 Conservation of energy, etc.

More carefully,  
 Noether proved that a physical system  
 Described by a Lagrangian invariant  
 With respect to the symmetry transformations  
 Of a Lie group, has,  
 In the case of a group with a finite number  
 Of independent infinitesimal generators,  
 A conservation law for each such generator.  
 (These, luckily, are what are used in physics)

If we have the case of  
 A countably infinite number  
 Of independent infinitesimal generators,  
 We still arrive at certain,  
 Profound, dependencies.





### **Our Finite Existence**

*We are suspended here  
In our finite realm,  
Where we must be—  
In a balance of  
Infinite largeness  
And infinite smallness.*

Of course, we have knowledge  
Of the ever increasing vastness  
And dispersion of the very large—  
It all going away, in a sense,  
As well as  
The ever decreasing compactness  
Of the very small,  
It, too, seeming to vanish;

Yet, we can neither see nor live  
At either of these extremes  
Because both of those paths lead  
To very much the same state,  
Which is well away from existence,  
Going towards nonexistence,  
Nothingness, even,  
For there is only that  
One alternative to existence—  
The lack of anything.

So, it is, that,  
Due to the one limiting case of the non,  
The large is the same as the small—  
The same vacant truth  
On both ends of the size scale.

There is no ceiling to the universe,  
And, just as importantly,  
There is no floor.

The infinitely large and vast  
Is too large to observe  
And the infinitely small and compact  
Is just as inaccessible.

Our finite existence lies suspended—  
Well above the microscopic world  
Of the infinitely small  
And well below the immensity  
Of the infinitely large.

*What keeps us hanging there?*

*Why does our reality not shrink  
Into a single point?*

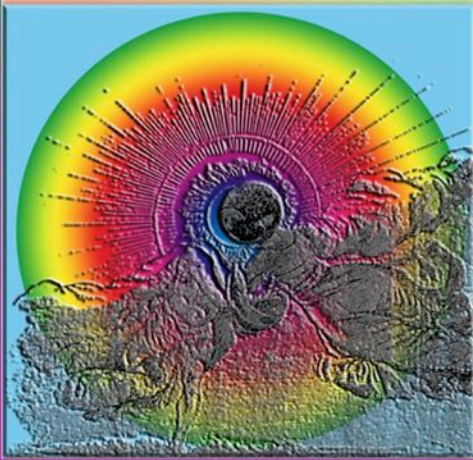
*Why this location  
On the cosmic size scale?*

...

It is because  
We are the singularity of existence,  
Perched here between  
The infinitely large and small,  
The only place we can be,  
Halfway between  
Infinite largeness  
And infinite smallness  
Because they are the same thing.

It's no wonder, then,  
Why zero and infinity  
Cause some of the same problems in math,  
For they are two different viewpoints  
Of the same thing...

And so, too, is this always reflected  
In the problems that particle physicists  
Have in trying to find a connection  
Between the macro and micro universe.



### **Who Am I?**

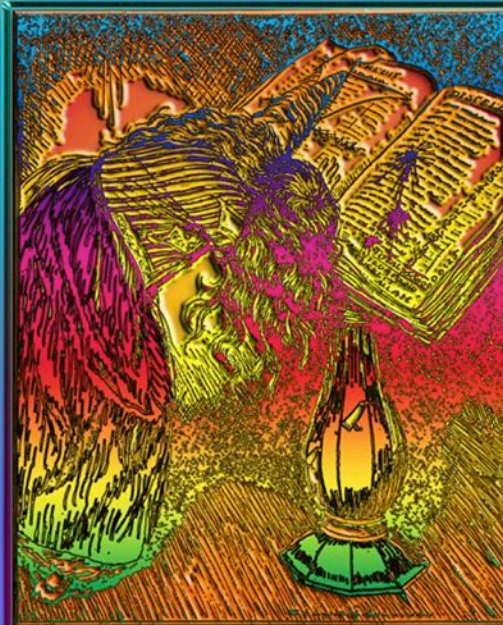
I am the balance of nothing,  
Come from nowhere,  
Residing here in its midst  
And middle of finiteness.  
Within a parentheses  
Of "All That Is"  
Of ever-during Eternity  
And unbounded Infinity.





We exist in the everlasting universe  
In the finite middle of nowhere  
Between the two infinities,  
The reality upon the symmetry of forever.

"Live, for the more within all too soon!"



The Moving Finger writes; and, having writ,  
Moves on: nor all thy Piety nor Wit  
Shall lure it back to cancel half a Line,  
Nor all thy Tears wash out a Word of it.

— Omar

### The Perfect Symmetry

Particles and antiparticles  
Are always created in pairs.

50% of the universe is antimatter,  
Which is the ultimate supersymmetry.

A particle and an antiparticle may collide;  
Photons are then emitted in opposite directions  
To preserve and conserve momentum.

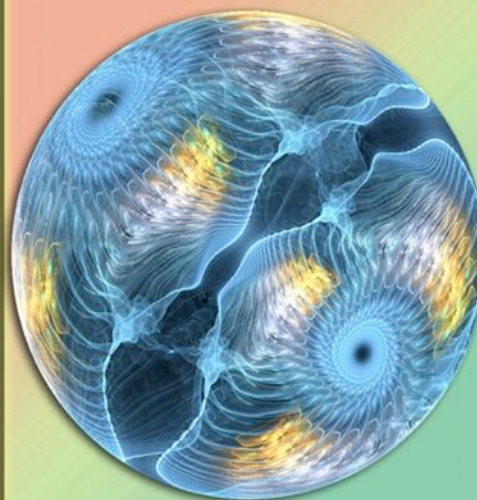
These photons may eventually  
Play a role in the construction  
Of another particle and an antiparticle.

Matter is necessary to create light  
And light is necessary to create matter.

Photons have no charge  
And so they are neutral,  
But it's really that they  
Carry a positive  
And a negative charge  
That sums to neutrality.

Particles and photons,  
Whether existing or created,  
Cannot do other than they do,  
For they are bound to symmetry;  
Determinism is the result.

So, there is no mystical statistical  
Quality of quantum randomness;





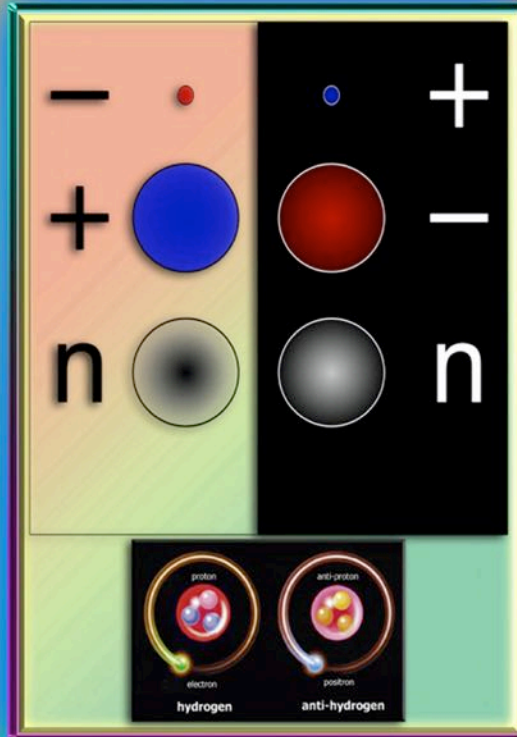
The overall universe never changes,  
For the amount of energy stays the same,  
Nor does the amount of charge change,  
For there are infinite number of  
Positive and negative electric fields.

There is no problem in having  
An infinite amount of positive  
And negative energies and charges,  
Since, due to the perfect symmetrical equation,  
They, like anything else, cancel to zero,  
For existence itself must sum to nonexistence.

So, space is everywhere filled  
With fields of energy;  
Space and its distortions of matter  
Are all that there is.

Reality pulsates,  
In its real and structured sequence,  
A field that's present throughout space immense,  
Out of which all particles can condense—  
Occurring where the field's extremely intense.

Particles are those bundles of inertia,  
The knots in the field and fabric of space;  
Yet, matter defines the structure of space...  
So the Yin is in the Yang, and vice-versa!



## THE THEORY OF EVERYTHING: ALL THE WAY UP

### *Stability Marches Upwards*

Everything  
Becomes less complicated and smaller  
As we delve downward  
From the complex toward the simpler  
As it must;

And so then does the simplicity of  
The Theory of Everything,  
For complexity lies  
At the other end of the spectrum,  
Where we are.

### *The Search*

I'll follow every single avenue,  
Whether it's brightly lit or a dark alley,  
Exploring one-ways, no-ways, and dead-ends  
Until cornered where the truth is hiding.



Since we all became of this universe,  
Should we not ask who we are, whence we came?  
Insight clefts night's skirt with its radiance—  
The Theory of Everything shines through!

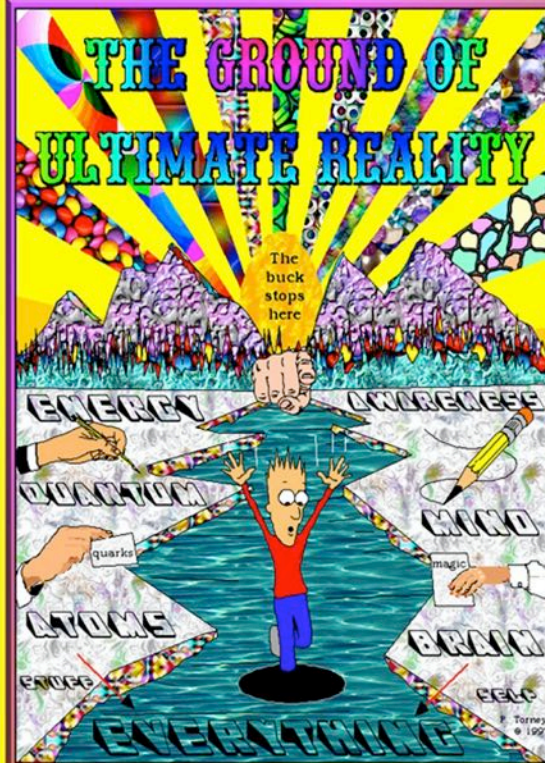


The TOE must not only encompass  
 The unification of the forces,  
 Which is the GUT  
 (The Grand Unification theory),  
 But it must also demonstrate  
 Why anything at all exists and how it did so,  
 And, furthermore, how that ties in  
 To what we humans have become up to now,  
 How we operate, and so forth.

"Why does anything exist at all?"  
 Is much akin to the 'great' philosophical question  
 Of "Why is there something instead of nothing?"

Both questions are stated backwards,  
 As if 'something' had to be made,  
 Presumably from an absolute Nothing;  
 This is not the case,  
 For causes cannot forever precede causes,  
 Nor can a total Nothing ever produce anything,  
 For 'it' has no existence,  
 Meaning that it is not even 'there'.

So, the eternal causeless 'something' must then  
 Be the normal and natural state of affairs.



1. If there were a total lack of 'something'  
 Then this would still be the case,  
 As there would continue to be no existence.
2. A chain of ever caused 'somethings'  
 Would be a never-ending infinite regress.
3. Nothing, obviously,  
 Couldn't exist or persist.  
 See it? No; it's not there.

So, what is this 'something'?

1. It is simple 'thing',  
 For the complex ever  
 Always has simpler parts  
 From which it is constituted  
 As we look downward.
2. What is as simple as it gets?  
 Nothing, but that is not there.
3. Then what is the next simplest 'thing'?  
 Well, it must be a near 'nothing'.
4. Was 'it' designed or reasoned forth?  
 No, as it was causeless—  
 Being the 'first' and always.

NO  
 NOW  HERE  
 WHERE



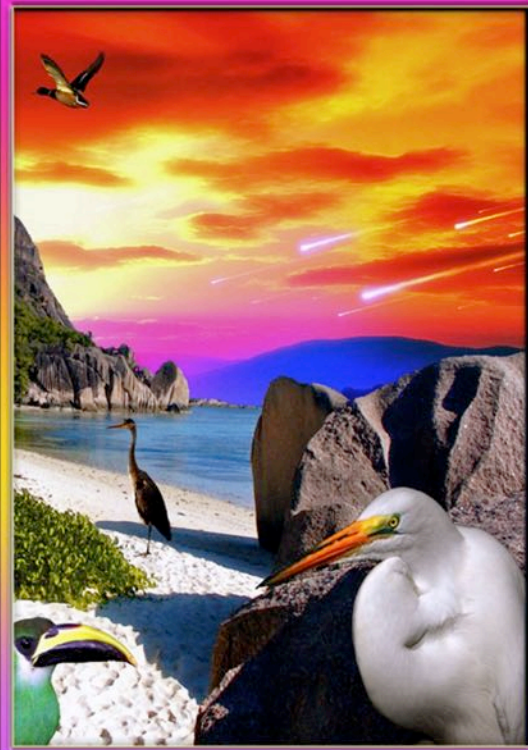
5. So, we don't expect a blueprint of it  
Since it's an undefined chaos  
Of random disorder.

Well, (5) is, of course, hard to swallow,  
As we always wish for definition;  
however, the unordered  
Must be the answer,  
for there was nothing prior to it  
To order it or to reason/design it forth.

So, then, 'something' exists  
Because there was no alternative?

Yes, that is the 'Why' of existence,  
For 'something' is the  
Natural and normal state.

As usual, like all simple things,  
The near 'nothing' is unstable,  
for simple things ever go  
Through phase change  
And many even combine  
Into the more complex.  
This might even apply  
To a total Nothing  
If it could even 'try' to be.



What is the near 'nothing' exactly?

1. There is no 'exactly', due to chaos;  
It preceded real form, space,  
The quantum (maybe, or it is it), and laws;  
however, it could be considered

As the quantum realm  
Or its semblance,

In which the near 'nothing'  
Is the quantum fluctuation,  
Also called quantum tunneling  
Or quantum uncertainty.

What is the near 'nothing' exactly?

2. It creates real particles,  
Some of which are stable and enduring  
Or at least capable of combining  
Into the larger real  
If they don't fall back in.

Ok, but let's back up.

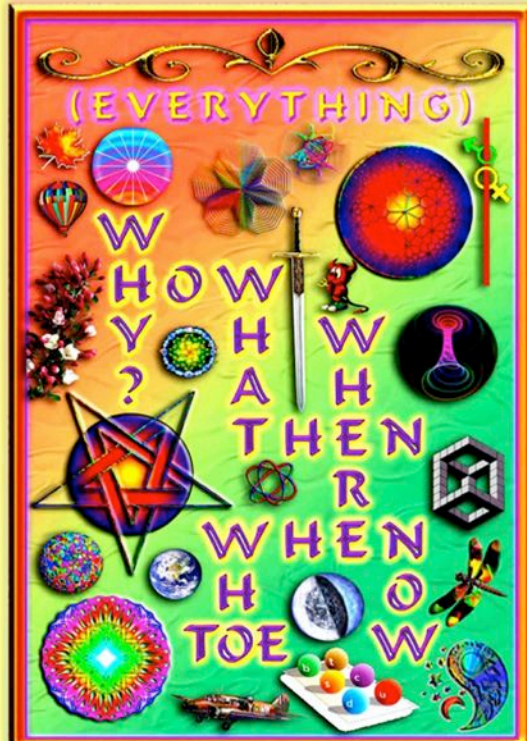
This 'something' was always there  
And was never created?

True; it had to be.

Not a thing can become of nothing.

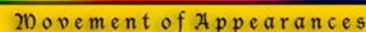
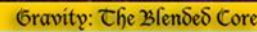
Yes, but no creation means no Creator.

True. We are free to be,  
And also free from that superstition.





Space is the 'Where'.  
It is a place for the 'What',  
Which is matter.





How about the result  
Of remembrance and wishes?  
They lead to a change-in-outlook.

OK, we're building up  
Some more complex shells here,  
But all stemming from the  
Simpler movement of what appears;  
So, what becomes of learning  
And a change-of-outlook combined?

Your [new] direction in life.

And of learning and  
A change-in-structure uniting?

Creating.

OK, and of a change-of-outlook  
And a vision?

Growth.

And of vision and a change-of-structure?

Planning.

And, finally, what of direction,  
Growing, planning and creating?

That's your being—the 'Who'.



Alright, we've seen the beginnings  
Reflected in our being,  
But what led from quarks  
Or whatever to our complexity,  
Taking 13 billion years?

Quarks formed into photons and neutrons  
Which then collected into stars via gravity  
Which then generated the lower elements.

Some stars exploded as supernovae  
Which spewed more of the simple,  
And even the higher elements into space,  
Which then formed molecules that led to cells  
That eventually combined into life,  
Via the dispersion of energy,  
That brought forth  
The brain and consciousness.

That's the easy part of the TOE,  
For all that's well known;  
Of course, planets formed  
And bacteria exuded oxygen  
Into our atmosphere.

### Universal Crossword Puzzle

Something Had to  
Become since "Nothing"  
is unconceivable.

(Materialization)

q ↓ l ↓  
fundamentals  
a p p  
s r a v i t y a  
k o c  
stars n e  
stars (weak, strong)  
(star t strong)  
dust) o c  
molecules  
T s l  
HOW m life h  
E brains m  
experiences a  
d n  
consciousnesses



Another few billion years  
 And we came along,  
 Through evolution,  
 Thanks in part to the dinosaurs  
 And 90% of all the species dying out,  
 Not to mention that  
 Two chromosomes fused,  
 Having us branch off  
 From the proto-chimps.

*Why did this all take so long?*

Death was the only chooser,  
 Plus complexity just takes time.

Well, lucky us.  
 So what the heck should we do,  
 Thrust into this life as we are,  
 Without asking?

You are truly free  
 To make your own meaning  
 Out of life's happenstance.

I feel liberated.

#### Time

Time is the difference of space  
 And space is the difference of time;  
 So, time is a difference dimension,  
 Not a compositional dimension.

Its two forms are the displacement  
 Caused by motion  
 And the polarity of electric fields.

The universe's totality  
 Is neutral and symmetric,  
 Whereas its internal composition  
 Is polar and asymmetric.

zero + zero = zero  
 (For spatial continuity,  
 The sum of nothing being nothing)

and

zero - zero = zero  
 (For polarity,  
 The difference of nothing being nothing)

Hypercube:

C  
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 S p a c e  
 r  
 g  
 e





### Polarity and Electric Fields

The universe is four-dimensional,  
 Its three infinite spatial extents  
 Defined by summation,  
 Leaving only one degree of freedom  
 For the difference operator  
 To perform the nullification of space:  
 The fourth dimension of polarity (time)  
 That has a positive and negative axis.

(+)  
 E  
 n  
 S p a c e (neutral)  
 r  
 g  
 y  
 (-)

The fourth dimension is not composed of points  
 Because it represents their 4-dimensional deflection—  
 A difference of position.

$$\text{Distance}^{**4} = c(\text{time-distance}^{**3})$$

'c', the speed of light,  
 Underlies the dimensional relationship  
 Between time and distance.

There is unbounded duration  
 Over infinite distance—  
 An eternity of infinity!



### The Riddle of Existence



Symmetry  
 Asymmetry



Symmetry, ever symmetry  
And forever symmetry forever.

Matter and light each make the other,  
Both having always been—  
The egg and the chicken  
Making/unmaking at the same time.

The atomic elements are bundled in the stars,  
Then dismantled in the galactic cores.

There are only two stable particles,  
The electron and the proton,  
Oppositely charged,  
(Along with their mirror twins)  
Because pair production  
Only has two states  
Able to generate separate particles.  
(All other states collapse.)

The All and the Null  
Are each other's echo.

More is less and less is more—  
The largest and the smallest being the same.

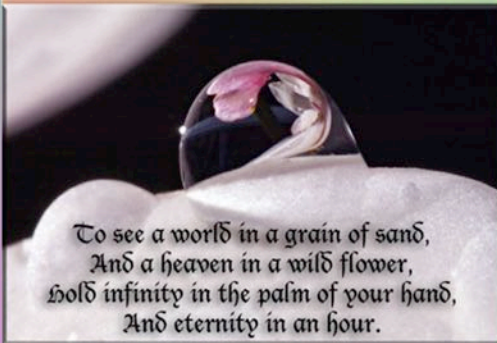
The Great Question:

Of what else could existence be made  
When there is nothing prior?



The answer is right there in the question:  
Nothing, for there can be no alternative.

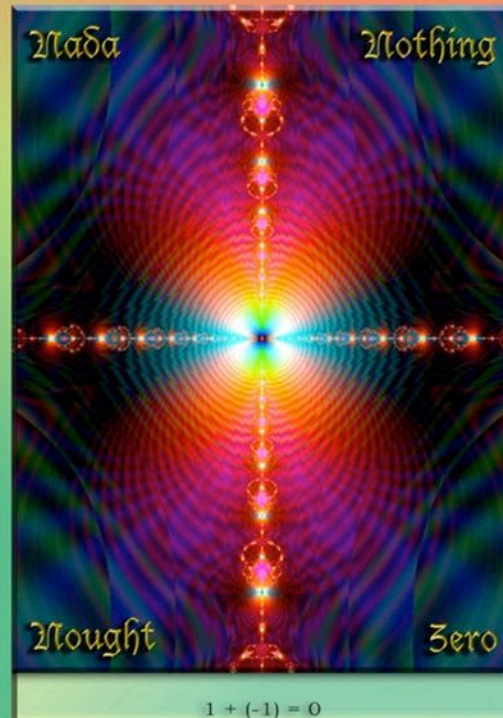
It is not that existence  
Came from  
Nonexistence or Nothing,  
But that it is Nothing—  
And so existence ever was and is  
Because Nothing ever is and was.



To see a world in a grain of sand,  
And a heaven in a wild flower,  
Hold infinity in the palm of your hand,  
And eternity in an hour.

Regret <— (ambigram) —> Nothing

*Regret Nothing*

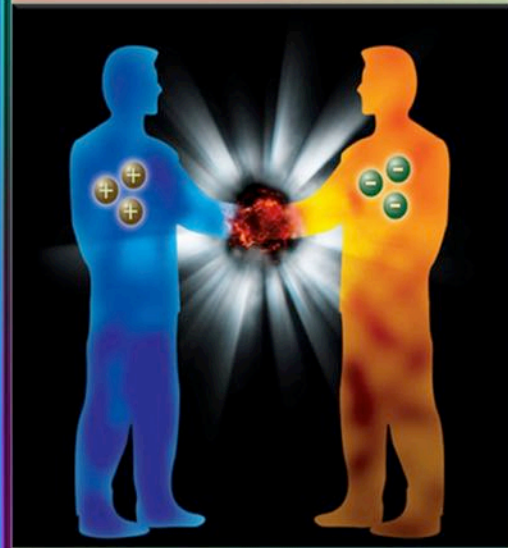




We are the lustrous and glowing arc  
Of reality's scintillating rainbow  
(And it's gleaming reflection, too)  
That spans the symmetric infinity,  
Glistening here, on forever's edge of fixity.



Q. E. D



(Nobody Nowhere)

#### The Elemental "Genesis" Of It All Here

As our crucial basis came from somewhere,  
Nothing is the only possible lair,  
For there are no 'wheres' at all remaining  
Of the causeless to be of its own sustaining.

So, then, the basis is eternal—it must be,  
For regresses can't go on eternally;  
Thus, it's all composed of this new Nothing  
Because this Nothing can have no beginning.

Now, it is not that Nothing ever was,  
For it cannot be and it never does,  
But that nonexistence ever fluctuates,  
Both into and out of its balanced state.

From some of the waverings of its "form"  
Opposite particle pairs are ever born,  
For this is the be-all of the natural norm,  
As must be concluded by AustinTorn.

!  
!  
!  
V

Swift as existence hastening to its task  
Of positive and negative, substance sprang forth,  
Rejoicing in its splendour, and the mask  
Of darkness fell from the awakened 'verse.

On Earth, the crystals of the mountain snows  
Melted, above the crimson clouds, and from the glows  
Of the heated flame, the Ocean's horizon arose,  
With flowers in fields or forests which unclose...





Their growing vision to the kiss of day,  
Swung their censers though the element—  
Of eastern incense, and lit by the new ray—  
Burned slow and inconsummably, and sent...

Their odorous scents up to the willing air;  
As, in succession due, did continent,  
Island, sea, and all things form that in them wear  
The face and complexion of a mortal flair,

Rising as the sun, their father rose, of old,  
From their portions of the soil, of which it did mold,  
As its own, and then imposed, untold—  
The thoughts that must ever now unfold.

#### **The Ever Victorious**

Over Man came the Triumph of Love  
But Chastity gave it quite a shove;

However, Death then all conquered,  
But this was not the final word,

For Time happily reigned over all,  
Or so it thought—as its thrall,

For Divinity vanquished its trend;  
But, still, this was not the end...

As ever, the basis was left to sting,  
For Nothing overwhelms everything.



(Past Times)

#### **THIS TOTTERING EXISTENCE**

So called "empty" space is vital,  
For that's where there's the recital  
That forms and plays the tunes of reality,  
Of this grand cosmic symphony,  
As existence fluctuates with the non,  
Those causeless waverings of undulation.

It was once thought that the shove  
Of this total energy was of  
The order of  $10^{120}$  orders of  
Magnitude above.

Well, if that were so near,  
Then we couldn't even be here;

It was the worst calculation  
In all of scientification;  
So, we weighed the universe,  
Summing all of its constituent verses.

The universe weighs nothing at all!

This, too, since we found that  
Our universal space was B flat—  
And not just via the 60 degree angles  
Of some very small triangle,  
And not even from using stars,  
Nor a method that went from here  
To Mars to Venus and back,  
But—all the way back  
To a degree of the CMBR,  
Which represented 100,000 light years,

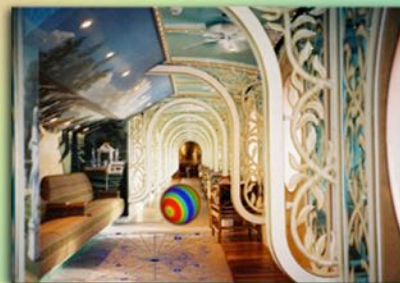
For which we measured the curvature:  
The rays didn't converge or diverge!

The ultimate of this geometry  
Is that being flat is the most beautiful symmetry  
That leads to yet another sterling beauty: zero.  
The ever returning and conquering hero.

#### **And What of Us Luminaries?**

Far from being the *Magnificat*,  
We are much more insignificant  
Than we ever imagined, even by Kant,  
For all is a big fat nothing;

And, also, since, considering "we",  
That all the specs of luminous matter's amount,  
For whatever is its very measly count,  
Compared to dark matter and dark energy,  
Are but a kind of pollution—irrelevant, really.





### The Universal Dance

*The simplest finite something is natural, never the less!  
Being normal, as well, surprisingly, is motion, not rest!*

The quantum jitterbugs arose, in a dance,  
As they are ever wont to do, perchance,  
Because nonexistence cannot be a reality;

These fluctuations create particles freely,  
And their antiparticles, that eventually  
Cancel back to zilch, or near entirely;

So, in a way, all that is "reality"  
That is somewhat duringly  
Present now is but an expression existing  
Of Nonexistence's absolute instability,  
Or at least of Nonexistence's impossibility.

One could say, then, that all is for naught,  
(And of), as it is involved in the sense bethought  
That "nought" is so perfectly unstably wrought.

And so are those fluctuation's  
Simpletons emitted not so stable—  
Becoming undone;

For simple things seldom  
Remain unrearranged,  
As they go through phase changes  
And recombinations,  
And so forth, as deposits,  
Onto and unto the  
More complex composites.



### Hawking's Idea of Zero

*In quantum theory,  
Particles can be created  
Out of energy in the form  
Of particle/antiparticle parts;  
But that just raises the question  
Of where the energy came from.*

*The answer is that the total energy  
Of the universe is exactly zero.*

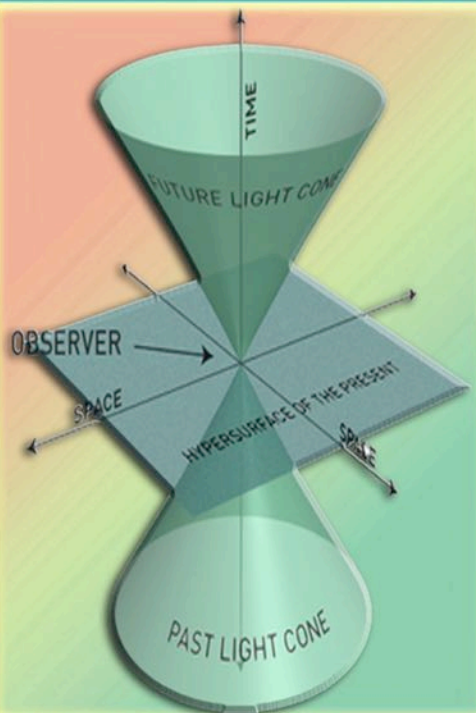
*The matter in the universe is made out of positive energy.  
However, the matter is all attracting itself by gravity.*

*Two pieces of matter that are  
Close to each other have less energy  
Than the same two pieces a long way apart,  
Because you have to expend energy  
To separate them against the gravitational force  
That is pulling them together.*

*Thus in a sense,  
The gravitational field has negative energy.  
In the case of a universe that is  
Approximately uniform in space;*

*One can show that this  
Negative gravitational energy  
Exactly cancels the positive energy  
Represented by the matter.  
So the total energy of the universe is zero.*

*Now twice zero is also zero.*





Thus the universe can double  
The amount of positive matter energy  
And also double the negative gravitational energy  
Without violation of the conservation of energy.

"It is said that there's no such thing as a free lunch.  
But the universe is the ultimate free lunch."

— Stephen Hawking

#### Bubblation Theory

*There was no place special in time,  
Nor properties of reason and rhyme.*

Our beloved quantum fluctuations  
Left their imprint all over creation—  
The signature of their emanations  
Written in the CMBR's variations—  
A tiny magnifying glass held upon their revelations,  
As well as in the capitals of the matter congregations  
Of galaxies, nebulae, and other condensations.

*What underwrote this glorious expansion  
From such a humble state to a big time mansion?  
It's called inflation.*

Perhaps there are many such bubbles blown—  
All but one of these pocket universes unknown.

*Where did all this energy come from  
To amount to this astronomical sum?  
It comes from the gravitational field.*



(Austin's Energy)

Our universe did not begin with this yield  
Already stored in the gravitational field;  
But, rather, the gravitational field can supply  
The energy because its energy found  
Can become negative without bound.

As more and more positive energy materializes,  
The forms of ever growing region sizes,  
Filled with a high energy scalar field, arise,  
As more and more negative energy materializes  
In the form of expanding regions wielded  
That are filled with a gravitational field.

There is nothing known that can place a border  
On the amount of inflation that can occur  
While the total energy remains exactly zero...

*Why does this "zero" ever become the hero?*



(Reciprocal)



**THE ALL AND THE NULL:  
The Short Overview**

**The Requirements, Constraints, and Predictions  
For any Consistent Cosmology, Life, and TOE,  
Especially that of the Necessary Null Physics**

0

The All cannot be bounded,  
For then it would not be the All.

1.1

So, there is no more to the All—  
And thus there is only one 'verse,  
No matter how one names it.

1.2

It must then have eternal duration of time  
In both directions, past and future,  
In one dimension only, as seen.

1.2.1.

It is thus necessarily  
Uncreated and causeless,  
Which makes it more of  
A principle or an equation,  
As there can be no Creator  
(Or causes forever).

1.3

It must then have infinite extent  
In both directions, the large and small,  
In three spacial dimensions, as seen.



1.4

Again, it must then have the property  
Of being the one and only Prime Mover.

(We are long past cause by effect by cause...)

2

Material matter-mass-energy-fields  
Must be finite,  
As they are not  
Infinitely dense everywhere—  
Since there would then be  
No room left in between,  
And there is room.

2.1

This "in between", called "space",  
Must then be physical but not material,  
Very inert, but curving, as Einstein said.

3

A base material  
Of matter-mass-energy-fields  
Cannot be the All because  
Its presence and nature would then  
Be totally unaccounted for,  
Again, in terms of its amount, size,  
Location, and properties;  
Thus, base material  
Is only a secondary,  
Penultimate form  
(No infinite regresses).





3.1  
 If its amount cancels to zero  
 Due to its positive and negative aspects,  
 Then the finite amount varies  
 And so there is no problem of a certain,  
 Constant, specific amount being always here  
 And made without ever being made.

3.1.1  
 Thus, its location could be anywhere,  
 At any time, coming or going.

3.1.2  
 Its properties would be limited  
 To what is stable  
 And somewhat enduring,  
 Else it melts back in  
 And plays no real role,  
 Another kind of zero effect.

3.4  
 Its underlying basis  
 Of the material/physical  
 Is what would be  
 The ultimate, non-material,  
 Non-physical,  
 Eternal, and infinite basis,  
 Requiring no further basis than itself.

3.4.1  
 The ultimate basis is what  
 Is beyond the secondary physics;  
 But, from material/physical,  
 Onward and upwards, all is physics.



4  
 The non-material, non-physical,  
 Unbounded ultimate basis  
 Can then only be  
 The balance of Nothing,  
 Or nonexistence.

4.1  
 For, Nothing always was, and always will be,  
 Is unbounded in size and duration,  
 Has perfect symmetry,  
 And requires noting before it.

4.1.1  
 This concept of Nothing is even better  
 Than the concept of Potential/Possibility,  
 For then we would have  
 To account for that capability.

4.1.2  
 Nothing is the only candidate  
 For the Prime Mover.

4.2  
 The finite realm,  
 Such as we are in,  
 Can only exist in  
 The exact center of the balance,  
 For, otherwise, there could  
 And would not be a balance.

4.3  
 The balance of opposites  
 Is seen all about us,  
 As ever shown  
 As reciprocals:





#### 4.3.1

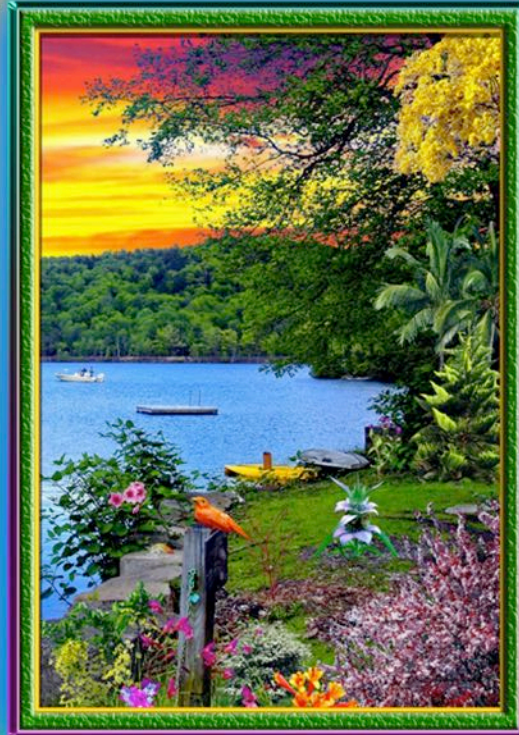
The Balanced Equation of Reality contains:  
 Good-evil, on-off, hot-cold, man-woman,  
 Up-down, left-right, here-there, past-future,  
 In-out, proton-electron, time-distance,  
 $A \rightarrow B/B \rightarrow A$ ,  $+n/(-n)$ , action-reaction,  $(=)$ ,  
 Nothing-Infinity, something-lack of,  
 Mass-energy, existence-nonexistence,  
 Particle-antiparticle, end-beginning ...  
 (Neither side could exist without the other) +  
 The strong nuclear force promoting  
 Stability and compactness,  
 With the weak nuclear force promoting  
 The instability of decay and dispersion,  
 Positive and negative, etc....

##### 4.3.1.1

The All is much like  
 A Yin-Yang cyclic balance—  
 Even a rounded life  
 Expressing that principle well.

##### 4.3.1.1.2

One may do the math;  
 The universe weighs nothing,  
 As all sums to zero,  
 Whether it be seen as quantum fluctuations,  
 Positive energy granted by negative gravity,  
 That nonexistence is the simplest state  
 And so it must be perfectly unstable  
 (As the ever simpler states are ever more unstable  
 Since they change phases  
 And/or readily combine),  
 Or just a simple equation  
 Consisting of balancing debits and credits  
 To zero on Nature's thumbnail.



##### 4.3.1.1.3

This may also be called TAO,  
 A Bindu dot, etc.,  
 But it is not a being, God,  
 Or any other such cause-and-effect  
 Type of happening, for it is exactly Nothing.

5. There are no special times,  
 Locations, or amounts;  
 However the properties and natures  
 Of the happenings  
 Are necessarily constrained  
 To fit the balance of nothing;  
 Thus pair production of a particle  
 And its antiparticle,  
 Electrons and protons  
 Having to be oppositely charged,  
 Symmetry, and Noether's conservation laws.

##### 5.1

So, there can be no modification or deviation,  
 As the path-structure of this one universe  
 Cannot be other than it is.

##### 5.1.1

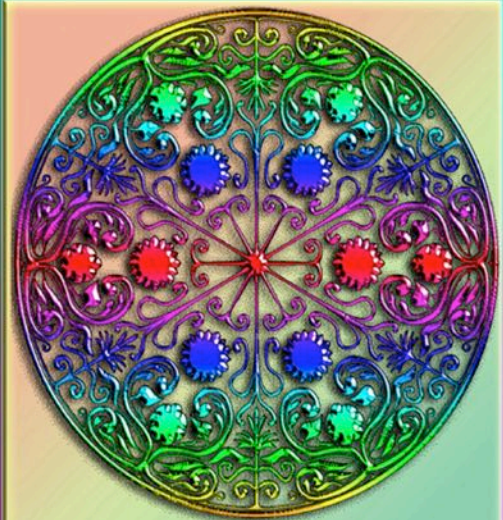
Thus, there is no "problem" of fine-tuning.

##### 5.1.2

Thus, there is determinism,  
 Which is not only necessary, but necessary.

##### 5.1.2.1

A universe or a life therein  
 Consisting of randomness and inconsistencies  
 Happening with no basis whatsoever,  
 Whether good or bad, would be a nightmare.



#### Of Cause the first

Whatever is eternal and is so well defined  
 Could never be as so, for it was never defined  
 In the first place, for that there never was  
 To define all that it forever did and does.



# 5.1.2.1.1

In fact, we count on determined cause and effect;  
For example, education and learning grants us  
A wider range of choices that are then available  
To our ever new and increasing state  
Of our fixed and non-free will  
That will often reflect  
What we have just recently  
And newly become.

# 6.

Since our finite existence is here now,  
Which is any old place and time,  
There must be other finite existences  
Of sorts at other places and times.

Everything  
Nothing



# 7

We have only time-distance\*\*3  
And so all forms and energies  
Can be expressed in those units.

# 7.0.1

Energy would be time-distance\*\*2,  
Which is a kind of slope,  
The Planck  $hc$  relation would be distance\*\*4,  
The speed of light is distance/time,  
Infinity (space) being distance\*\*3, large and small,  
Eternity being time (just one dimensional),  
Past and future.

# 7.1

Time/energy and distance\*\*3 (space-time)  
Must have a 4-D relation to each other, as well,  
Or reality would be just  
A single point of infinite energy density;  
This is seen to be represented  
By the finite speed of light,  
Which could be no other speed.





8.

As expected, there in no real purpose  
 To our existence within  
 The middle and balance of Nothing,  
 Here in the finite center  
 Of the largest and smallest infinities  
 (Which are really the same  
 Vacant ends of nothing),  
 A parenthesis of now within  
 The ever-during eternities  
 Of when and then,  
 The upside of which is a liberation  
 From any conscious puppetry  
 As a freedom to be,  
 Within our form, of course.  
 8.1  
 The downside is but for some of those people  
 Who would rather be blindly led through life,  
 A more restrictive but chosen state  
 In which freedom is limited.

9

Toward a Conclusion:  
 Something(s) cannot just ever come  
 From other something(s) beneath,  
 And, yet, the something(s)  
 Cannot have been just sitting around  
 As the First without being accounted for,  
 And so it is must be then  
 That the basic something(s)  
 Have to be of Nothing,  
 Or, as better understood,  
 A balance of Nothing, ...



The only state left,  
 Which indeed fills the bill,  
 As we knew it had to.

10

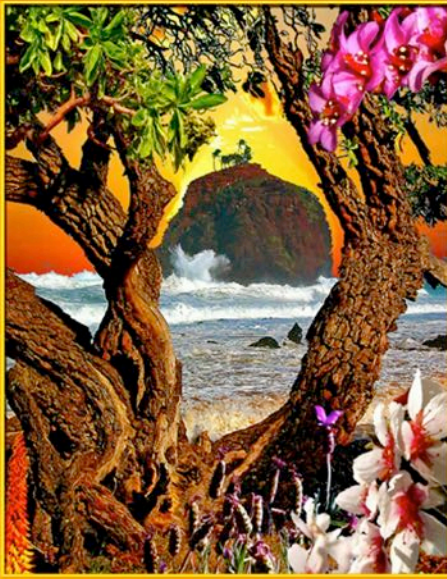
All of the biggest questions  
 Have now been answered  
 Without "answers" that  
 Are really just larger questions,  
 Plus no blasts from already existing stuff  
 Moving inward until  
 There is no more inward,  
 No subjective imaginary  
 And invisible notions,  
 No holograms,  
 No being inside of a black hole,  
 Nor being of a dream,  
 Nor a bi-verse specifically,  
 Nor that there had to be something  
 Due to nothing else,  
 Nor any unknown precursors at all,  
 No mystical quantum haziness,  
 No Big Bangs (energy is not conserved),  
 Nor any ends or beginnings  
 Of any kind,  
 Nor inflation from nowhere,  
 Although that does not seem critical.

10.1

There are just two stable particles,  
 The proton and the electron,  
 There being only two ways to make them,  
 They necessarily being oppositely charged.







Time, now gray with age, hurled its changes  
'Gainst Memory's rock, time and time again.  
Reminiscence weathered, but could ne'er wither;  
In those mists of time, pestyyear yet appeared.



Breathe in all that's good, breathe out all that's bad;  
Peace flows into you—it's warm, wet, and glad.  
Feel it spread throughout your body, then say,  
"This is the best life that I've ever had!"

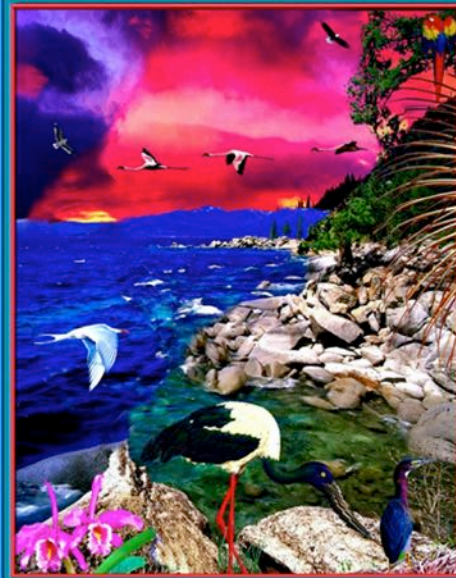
### Existence Explained

The All has ever been, entirely,  
It being the Balance of Nothing, really,  
And so shall it ever always be,  
For, in that, there is stability,  
Which is also seen the same as ever-durability.

So, then, there was never a Creation,  
In either way that one notes as the relation,  
And so we can bid farewell, with full elation,  
To that idea born of but subjective sensation,  
That nonsense tearing apart all the nations—  
'Tis so much ado about nothing's recreation.

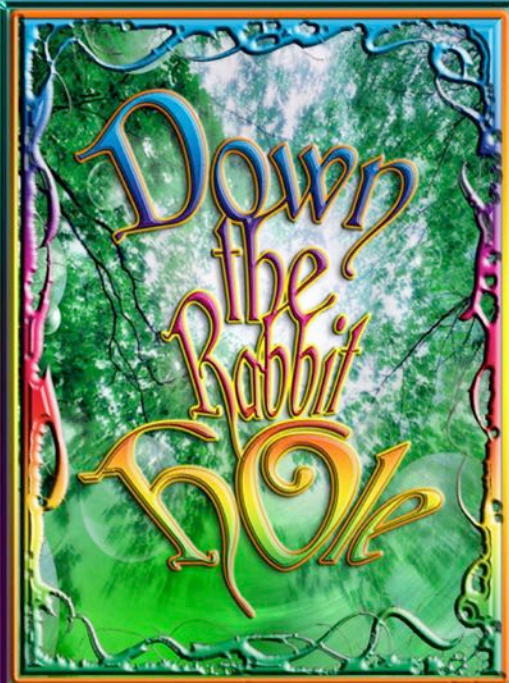
Here in the finite region surrounded  
By the Infinities unbounded,  
The energetic arrangements founded  
Ever cycle anew, being ever-rounded,  
During all eternity abounded—  
All—of the same vacancy of information  
Of both everything possible and the none.

There's nothing more at all than what one has;  
It's naught but the freeing liberation  
From the vacuous dreams of imagination—  
What more could a human sapiens want!



We kiss at the boundary of day and night,  
Our-selves merging in the blend of twilight:  
You and me, me and you; yours, mine, and ours—  
The day-gold melts into the jeweled night.





There was nothing there, which is everything

*We have been down the Rabbit Hole  
And returned back totally whole,  
Finding the answer to be simple, polarity,  
As the elementary fundamental must be...*

#### **Stability Marches Upwards**

*Everything  
Becomes less complicated and smaller  
As we delve downward,  
from the complex toward the simpler,  
As it must;*

*And so then does the simplicity of  
The Theory of Everything,  
for complexity lies  
At the other end of the spectrum,  
Where we are.*



#### **Being Nothingness**

*Our parentheses in eternity  
Flashes as a twinkling, but's extended  
By time into a phantasmic life dream  
That's existent the same as if it were.*

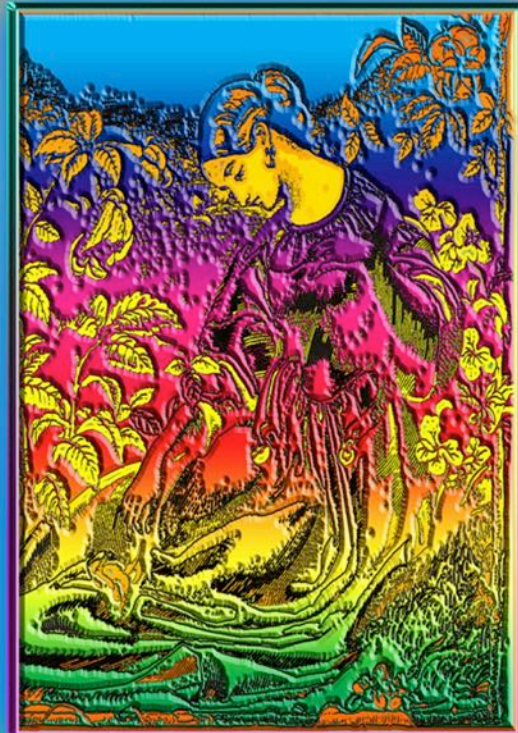
*As living pearls we're strung out right and left,  
Lovely and beautiful on the Earth's breast.  
Her bosom heaves, as one by one we're cleft:  
A thousand truths die, until none are left.*

*A life dream's like a rainbow, not really there,  
A false phenomenon become tangible  
Through its being, the true true of the faux true,  
Molding a genuine significance.*

*Say "Farewell!" Heaven's promise is bereft;  
Yet, live with gratitude—be not distressed;  
Still, dismiss immortality's dream;  
Accept, with appetite, whatever's left.*

*Life's indeterminate or not, the same  
Being brought by the virtual as the true,  
The mechanics being as incidental  
As why "color" chose its wave frequencies.*

*I've said "Good-bye" to the dream of forever,  
Though I'm too philosophical to be bitter.  
Poignantly resigned, I accept, with hunger  
And joy, all that's left—whatever—with pleasure.*





*Life's here, like a virtual particle  
Born on this side of an event horizon  
Of a Black Hole, realized by its presence  
In the realm of what's been radiated.*

All's right with a world without the angels;  
Human, we try, we push, we climb, we lust,  
We dance, we dream, we feel, and love with zest—  
Yes, all this, thanks to the beast within us!

*There is no difference of what makes none;  
Realism is now playing, the living film:  
A reality show in the theater  
Of the mind's eye, with the 'I' observing.*

So, I drink-in the pleasures of creation,  
For what else could be the point of cognition,  
If not to absorb all that comes streaming in?  
Life's sensation is the main attraction!

*At first it was like a moving picture show,  
Attended by mysteries, row upon row,  
That were faceless, laughing, in the dark below;  
So I laughed, too, and better enjoyed it so.*

Nature enters along paths sensory,  
As it seeps into rationality,  
Then saturates the being with delight—  
The greatest taste is of reality.



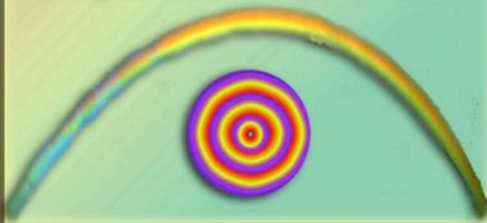
There's an urge between root and flower,  
Plant and soil, leaf and sun, air and water,  
Day-star and planet, valley and mountain,  
Wind and mist, man and woman—for ever.

*Opposites are just a different view  
Of one fundamental phenomenon—  
Light, beauty, and goodness are the inverse  
Sides of darkness, ugliness, and evil.*

Not quite sober blest nor drunk to excess,  
Never too foolish nor very reckless—  
Yes, my passion is so reasonable  
In this delicate state of awareness.

*Life must be more like a mosaic done  
Than a focused laser funnel of sun.  
Since few lengthy pleasures are lent to us,  
We build a stained-glass window of small ones.*

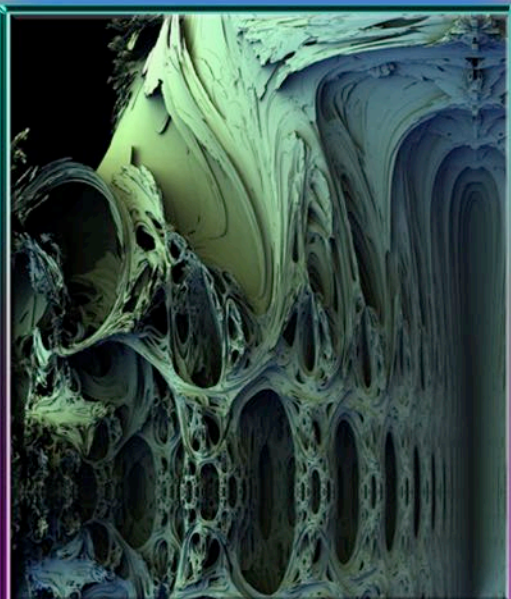
All feelings, sad, happy, or in between,  
Crisscross the woven cloth of our routine.  
They're reflections of life's sensations,  
Forming the rainbow that colors the scene.



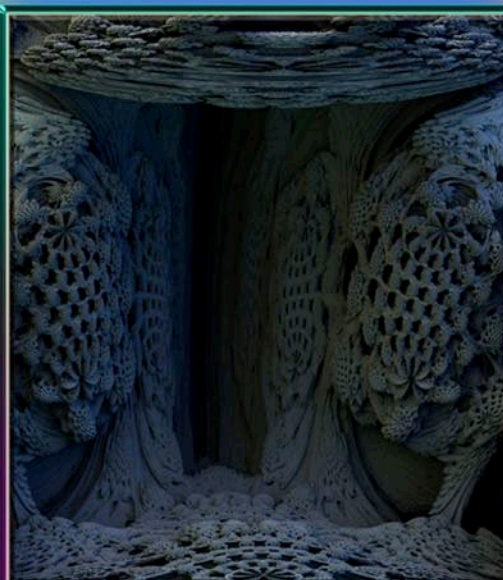
*We the living hereby agree to  
do so, to live a being more  
intense, to leap toward higher  
orders of magnitude, to revel  
in the glories of conscious life,  
to attain each minute a more  
euphoric mood, and to enjoy  
this resultant increased intensity  
of experience,  
and build  
on it, etc.*







## The Entrance To the Deep



# The Depths Of the Deep

Something Had to  
Become since "Nothing"  
is unconceivable.

(Materialization)

q ↓ l ↓  
fundamentals  
a p p  
s r a v i t y  
k o c  
stars n e  
stars (weak, strong)  
(star t  
dust) o c  
molecules  
T s l  
HOW m life h  
E brains u  
experiences m  
d n  
consciousnesses

Distance\*\*3



6 + 8  
!  
!  
6 8



## Forum Discussion



### The Starring Roles

Protons formed a massive star,  
Via gravity,  
And for quite a while  
It fused hydrogen into helium,  
Living a long and healthy life,  
But its death would be even more spectacular.

In its death throes,  
This massive star goes out with a bang,  
First collapsing,  
Then triggering a supernova explosion  
Bright enough  
To drown out the light of an entire galaxy.

A shock wave of precious stellar debris  
Hurtles outward into space  
At tens of millions of miles per hour,  
Containing the heavier elements  
That will make up planets,  
Form more stars, and even create life.

### The Search

I'll follow every single avenue,  
Whether it's brightly lit or a dark alley,  
Exploring one-ways, no-ways, and dead-ends  
Until cornered where the truth is hiding.



## **The Following Discussion Covers a Lot of Ground, Albeit it With Some Who Believe That Consciousness Is Everything**

Since any physical base unit would have a certain definition, and not any other, then it seems that it then would have to have been created, else why its particular properties versus any other. The prime paradox seems to be that there is nothing to make anything of, yet there is something. Having something being around forever doesn't really help this dilemma. 'Nothing' could be perfectly unstable.

*What is meant by your context of "unstable"?*

That Nothing ever produces something. So, to confirm, we look at what we consider to be the basic somethings, like electrons/positrons, quarks/antiquarks, and maybe photons, finding that they always appear and disappear as and in opposite pairs, perhaps suggesting that these somethings are really sum-things, as a of balance of nothing. They always have opposing polarity of positive-negative and opposing matter-antimatter state. This has to be a great clue. We always get back to that there is nothing to make anything of, and so... of what else could it be made of.

understandings. It is also said the positive kinetic energy of stuff is balanced out by the negative potential energy of gravity, yet another clue to a balance of opposites.

*What about our universe's beginnings?*

If one waits long enough, and there is all the time in the world in eternity's waiting room, then even low probability events must come to pass; thus the universe, and other ones, too, for if there can be one, then there can be another. This is not to say that some highly evolved alien being couldn't do some terra-forming or universe forming, but, again, such beings cannot be First and Fundamental bases.

*So, we are led to a zero balance?*

At least the zero-balance idea has some evidence of confirmation in the observation of how the elementals look like, whereas, the other speculations have none at all. Paradoxes can't be, so, still, something has to give. We just have to be open to find it. We have to use real clues, not just our wishes for how things ought to be, or how we desire them to be (we have to throw all that out of the window, even if is an expensive, stained-glass window).

Either sum-things are always being created, and going away, forever (not the same exact stuff around forever) or everything is kind of all at once. There cannot be 'God' as the base existent, for complexities ever have simpler components and so a complexity cannot be the ultimate base. Great complexity, in fact, is at the opposite end of the spectrum from any base existent. We may get to be like gods someday, but such a state cannot be First and Fundamental.

The All or Totality that is ever being searched for cannot have any beginning, for then it could and would not be all. So, no bounds of extent or duration for the Totality, since this would doom it from being the All, for it would have had something before it or outside of it. Infinity, eternity, everything, and nothing seem to all have to be in the package together.

No one has been able to suggest any other source of stuff to make anything of. It's not like we could just say that there was a warehouse of stuff or energy that just happened to be sitting around forever and available to be utilized. Still appears to be a paradox, though, since 'nothing' isn't there, but where else can we turn. Something has to give, and so we cannot be just saying 'no' right away, for we know there has to be an answer. We just don't exactly like the answer we are being led to by logic. There can be no paradoxes' only mis-

Existence is directly a rearranged form of nonexistence. At least 'nothing' qualifies as eternal and infinite, being always and everywhere, so to speak, although it ever turns into stuff, which also goes away, which are the very strict requirements for a Prime Mover.

It could be that opposite polarity of charge nullifies all of existence (only in the overview, since, practically, 'nothing' cannot be), and/or that matter/antimatter and gravity vs. stuff also contributes.

We are really stuck with the fact that there is nothing to make anything of, but this seeming 'stuckness' may turn out to be the glory of the TOE! We just don't understand how 'nothing', which is a complete absence, could possibly do anything. Yes, existence trumps essence, totally, in everyday life. We remain curious, though.

No one can claim anything without some kind of observation and showing. Sometimes we begin with unsubstantiated ideas, for the next purpose of showing them. String theory is doing that, but cannot show anything yet. That there may be  $10^{500}$  string theory solutions grants us more on the idea of multiple working universes.

*Can we find Nothing anywhere?*



We have looked for 'nothing' everywhere, but find it nowhere, as all seems to be fields. In a BBC series on 'Everything and Nothing', somewhere on YouTube, they show that some scientists pumped everything out of a large metal cylinder, yet, somethings still then appeared, these things popping in and out of existence, much like electrons and positrons do, in pairs.

#### *What about personal beliefs?*

Science does not work when there is only justification to one or a few minds, but must show the case externally to all, as plain as day. Some will still reject sure science due to emotional reasons even when it is plain as day, as emotion can wipe out reason.

#### *Consciousness makes all; there is no objective reality.*

Highly doubtful. For example, we have senses, and we also see that they take in data, from 'out there', but some still want it that all is really just like a dream, having it that the senses are a hoax and don't really do anything, the dream/consciousness making all, such as in a night dream. Consciousness still has some unsolved as-

pects, such as how the process turns the neural information of the 'bit' into the 'it' of our internal reality, but consciousness has been localized to the brain, and requires a brain.

#### *God did it.*

Emotions used for happiness are paramount, and we often make decisions based on them. Using them alone may not always work out. We may emotionally decide on a spacious house with cathedral ceilings at the expense of more square footage, for this will keep us happy and feeling uncrowded, and a bit of logic creeps in, too, saying that we can make a bedroom in the basement to accommodate one of the kids who would otherwise have to double up, perhaps a teenager who would like a room apart. In finding the TOE, though, other than the emotion of the awe of it, emotions can get in the way of the logic, and thus cause some amount of neglect to the facts versus what one really wants it to be.

#### *What is time?*

Time, as the course of existence, is the difference of space(s).

#### *I like my beliefs.*

A complete explanation must still entail the answers, explain WHY existence, and all things, are.

We cannot understand anything unless we know why there is existence. Any answers beyond this will be incomplete, and thus invariably wrong, due to their incompleteness.

#### *There has always been a former existent to determine a latter one. In some sense, and in totality, existence is eternal.*

Yes, eternal, and necessarily infinite, too. Would a road to the proof then be something like that since 'nothing' cannot be (which we must agree to), something MUST be (no choice, no option)? That would be progress. Is it satisfying? No option means no decider.

Some dissatisfaction may arise as to nothing deciding how things are. We could either say that they are the only way they can be, or that many ways can be, some of them workable, and some rather inert. Perhaps things are every way that they can be.

Finally, could some sort of information be the basis of existent things? But then how is it arranged and decoded.

#### *This is in no way attacking logic: abandon logic and for the purposes of those above (analysis explanation and decision-making) you are abandoning your mind altogether.*

Abandoning mind is common in human nature, and so that has to be dealt with; however, it may often call for a complete bypass, of those people, as the state is often intractable. Emotion has a direct pathway into consciousness, bypassing rational logic and reason, and so even if people are told this, they often cannot know.

#### *What about space and energy?*

It seems that space and energy must exist together, and only these two in only one way: It appears that space and energy have a totally codependent existence, as energy occupies space, so, both space and energy must necessarily have three dimensions, although one of energy's dimensions must be of the only other type: time, as energy's dimensions are proposed to be  $\text{time} \times \text{distance}^2$ , while space's dimensions are as  $\text{distance}^3$ . No other cubic is possible, is it?



We have just described 4D spacetime; Yes, 4D, three of distance and one of time. We will have to try to get used to 4D thinking.

As for energy's proposed dimensions of  $\text{time} \times \text{distance}^2$ , think of energy radiating as the square of the distance over time, in that similar kind of picture often presented, that shows a square 2D cross-section slice of radiating energy getting larger and larger over time.

It is also, again, that 4D spacetime can only have two unique 3D infinitely large cubics, as there is only one 'time' dimension and three equivalent 'distance' dimensions. Space and energy are thus a necessity as  $\text{distance}^3$  and  $\text{time} \times \text{distance}^2$ , and this seems that it could be no other way. To complete this, we would have to show that only four dimensions are possible. And, of course, it is that there can be only two phenomenologically distinct substances, space and energy.

This is not to say that spacetime is not emergent, and that is a later topic which concerns the discrete, quantum, grainy bits at the Planck Scale, making spacetime not a smooth continuum. Someone at Fermilab is attempting to measure the small, jittering vibrations that would be there if the Planck scale is truly a quantum.

*Seeking the truth is meaningless if you don't understand who is doing the seeking.*

Essentially, we are the universe come to life, and so it is the universe itself that is doing the seeking.

*The universe come to life implies it wasn't alive at some point: is that what your saying / believe?*

It began with elemental particles, the simpler going to the more complex, via stars to some lower atomic elements, supernovae exploding to the higher atomic elements, to molecules, to cells, to life through evolution... to us, and perhaps aliens. We are the cosmos (come to life).

*What about energy and space?*

Energy is distributed into space at a certain, finite, average energy density, and this is also what requires energy and space to possess a comparable number of dimensions. It is also that for energy density to make sense that energy has to be a three-dimensional substance. Light's motion through space is an utterly explicit demonstration of the dimension energy has and space lacks!

So, the symmetry described requires space and energy to exist in equal universal quantities, and they must exist everywhere. Call it infinite if you like. Infinite, as well as eternal, is not unexpected, since the All would not be the All at all if it had a bound. There is no choice in this, is there?

The product of energy ( $\text{time} \times \text{distance}^2$ ) and motion ( $\text{distance}/\text{time}$ ) is exactly space, a volume ( $\text{distance}^3$ ). The only way energy can exist as additional volume in space is by a certain density of time per distance, which happen to be the proposed units of energy density. Energy density is circumstantial (variable), while the amount of space in energy must be existential.

We see then that  $\text{energy/space} = \text{average energy density} = 1$  (unity), in existentially correct universal units. The universal ratio is finite because both are 3D quantities. Remember that only time sets space and energy apart. We see only two fundamental units of measurement: distance and time.

We must find why our dimensional realm is of the only dimensionality that is workable, if that is true.

Empty space, if it could be, which it can't, would have no energy, but this would be more like the nonexistence of energy, if you want to picture it; however, one cannot exist without the other, and so there is no empty space possible anywhere. So,

this is one reason why 'nothing' cannot be. While nothingness is the absence of all things, space is the lack of something, and that something is energy. There's probably a bit more to it, of why, but for now it is that this conjoining seems that it could be no other way at all.

*Yes, I believe something MUST be, and it appears that it must infinitely in age and extent, yet I cannot conceive of how infinity may be possible in any physical context.*

That is a tough one, as even the definition of infinity is "that which can never be attained". Does it help if the infinite amount of stuff is spread over infinite space?

*I think that any configuration at all may be, so long as it constitutes existence. So what, then has determined ours? Perhaps as you said there is that time in eternity's waiting room for all possible things to pass, and we are at a certain distinct stage, but that leaves the question of the configuration of the periods of the states of existence. And these periods are but a concept, especially as time is infinite we cannot define these "periods" at all. So is our current concept of known exis-*



tence simply by chance? How does chance really exist?

It seems that chance could not really exist, since events depends on what goes on beneath and before. No free will, either, then, and we wouldn't even want such a will that depends on nothing at all, for that would turn into a mess of randomness.

*Objective reality is only a concept, as is other minds, and all that we will never experience with our senses. They therefore do not exist in some sense, but as posted on the other forum, Charles Taylor defines reality as all that we have, that has not left us, and so our conception constitutes reality and existence itself, but that which we directly sense, is determined at our discretion.*

Our senses are in direct contact with the outer reality, but we are not. It probably wouldn't be useful for us to directly apprehend outer reality; it would be quite a mess of waves and fields going all around. Better to clearly see the color 'green' in our mind's eye than to have to sort out some certain wave frequencies directly, and even then it's not direct since it still has the sorting-out.

Now what?

So, we are still a bit stuck, which we hope is only temporary, for it is still the case that there is nothing to make existence of, and yet there is existence. An infinite regress of smaller and lesser things and causes doesn't really help, for there is again nothing to make any of that of. We must be missing something. Stuff having been forever is also a problem since it is already made and defined without ever having been made and defined. Meanwhile... We can still derive some profound implications. If existence of all has to be so, MUST BE... then it had no choice, no option... and so, no Decider. We are, then, free to be.

*I've known there is no free will for a long time. I happened upon it on a trivial english question which was referring to fate... and I thought, "fate must exist, as everything is strictly defined, and predetermined..." not through this, but it seemed incredibly obvious, and so we are just living out the lives that have been determined by our nature and how the nature of the external affects it.*

The will is dynamic and ever changing, but the will of any given instant is, of course, fixed to what one has become up to that point. As wider learning makes for a wider will, we can do that. For those who can't learn well or much at all, we

have compassion, and even more compassion since we know there is no free will.

*What we are after now is why existence has been determined the exact way it has, when there is an unlimited number of possibilities that would still constitute universal existence, assuming infinite physical existence is plausible. Because all of existence is determined by the original, eternal existents, and their nature defines and determines all. What we need is, what determines it, and what determined the beginning of, not existence, but action?*

There would have to be, then, any and all kinds of existents, not just some special one, for then we would be back to why only one particular type had certain, specific properties, such as its total amount, and its own qualities of size, charge, mass, and all that kind of stuff, rather than any other definition, plus that there never was a "first place" for it to be specified, since eternal. Also, since an ultimate cause seems to be out of the question, we might have to turn to something like an equation of a zero-balance, but, as said and thought, nothing can't do anything. We are still stuck. 'Causeless' is the best answer so far as to the ultimate TOE.

There may be no such thing as time in the overview of Totality, and, if so, that reduces it to just being there, versus not there. It is, rather than is not. The so-called 'timer' of action, at least for the blossoming of our universe, could be that low-probability events must still come to pass eventually, even if it takes a trillion years (like flipping a coin to get a thousand 'heads' in a row), and so our universe was born of this. There was maybe some kind of chain reaction effect, too.

Any good clues?

The stable particles in free space exhibit a curious symmetry... Two, and only two stable matter particles, the electron and the proton, oppositely charged and with opposite matter state. (Same with their anti-particles—the positron and the anti-proton) No stable neutral matter particle (the neutron decays within minutes) One stable energy particle—the photon, neutral charge. No charged energy particles. It could be that opposite matter particles each represent half of existence, and the energy particle all of existence (positive and negative charge somehow living in peace in the photon and becoming neutral).

Deduction of infinite large and small: There are trillions of stars out there and no one knows why. This gets us to thinking how tremendously large



the Cosmos is. Why does it have to be so large? Perhaps because the infinitesimal is so small. There must be both infinite largeness and infinite smallness. It remains to be seen if the Planck size is a true limit to the small.

The final derivation: Eternal systems must be their own precursors. No first anything. All that is required is already there.

*God?*

Why would the eternal existents (stuff/physics) have spectral/emotional qualities like those of beings?

*It's a good enough basis for the ontological argument hahaaa.. Well why do the emotions exist in themselves...? Or more specifically, how? It is a sensible possibility I believe, that some sort of universal conceptional basis pervades all that has ever been, which is tied to the view of God, etc. Though the emotions and thoughts are severely limited in rationality, feelings remain as the dominant influence, good>bad, the point of existence from the individual standpoint is this seemingly imaginary view of "goodness".*

Emotions are complex, largely automated programs of actions concocted by evolution that are carried out in our bodies, such as facial expressions, postures, changes in organs, and changes in internal settings and environment. So, emotions are actions accompanied by ideas and certain modes of thinking, while feelings, from emotions, are mostly perceptions of what our bodies do during the emoting, along with perception of our own state of mind during that same period of time. So it is, that, as far as the body is concerned, that feelings are images of actions rather than the actions themselves. Emotions can be spurious, an ill effect of brain neurotransmitters out of whack, the serotonin and dopamine levels falling, due to lack of exercise and/or nutrition, or just of one's base genetics toward depression, anxiety, and obsession. Neurotransmitters regulate brain traffic. Beings and their emotions are not a base; beings have a physical basis.

*I believe that Consciousness-Without-an-Object exists, however I acknowledge that the external IS, yet conceptually. In the interests of each of us I still advocate rationality and the study of the objective, even if it is but a concept alone. But God as the source of all consciousness... Consciousness must indeed have a source, and as objectively we have realized that all in totality is eter-*

*nal, it would seem that consciousness in totality must be, and therefore each individual must be, as we all inhabit a separate reality through ourselves, and nothing in that sense cannot be. It is the concepts that reach us alone that limit our recollections of eternity... the volume of our capacity for thoughts then must be unlimited? Hmm..*

Consciousness is a process, and it requires a brain, so it is a brain process. This process can be halted by anesthesia to the brain cells, a blow on the head, or falling asleep. Consciousness of happenings appears 200-300 milliseconds after the happening, so it is last, never first, and certainly not First and Fundamental. Latching onto the word 'consciousness' and using it all by itself as a source has no real meaning.

*Recap?*

So, space cannot exist in the absence of energy. Space is charged with fields, converting one of its dimensions to time, that which is used in energy. Energy moves and always has polar fields because time is an essential component of its geometry. Time is a spacial difference, a difference of space(s), and spacial difference is kind of a distance, too, but a 4th dimensional one, unlike 3D distance, for time is a closure dimension that bounds rather than extends space; it is a differ-

ence dimension, not an additive one. There are only two directions along this "time" axis, positive and negative, which are called that for convenience, but they are truly opposite.

We cannot find 'nothing'—a lack of anything—anywhere that we look, for there is field everywhere, even in the fairly empty vacuum and the space within atoms. A huge metal cylinder was drained of "everything" in it, and yet something still arose, documented somewhere in this interesting video series called Everything and Nothing:

<http://www.youtube.com/watch?v=JaEBM...eature=related>

In short, so far, the cosmos could not exist in the absence of charged space, and charged space cannot exist in the absence of energy, for space needs the electric fields in order to nullify the baseline reference of its reference frame. So, while matter requires the existence of antimatter to balance within nothingness, space needs both to cancel the magnitude of its own closure (to nonexistence).

It looks like motion is the one-dimensional relationship between energy and space, which is also what the speed of light represents in a pristine form. Space is associated with neutral extent while energy is associated with fourth-dimensional displacement and polarity. This exis-



tential balance between space and energy must correspond to an infinite quantity of energy (but spread into infinite space).

*Dr. Dudley explains 'emotion and feeling' as 'functions of an ongoing potential for weightlessness and/or infinity—hence our relationship to infinity (God)—necessarily a God transcendent of time and space.*

Oh, Dudley, it's not enough that you ignore the result of billions of years of evolution, although you're bordering on it with the brain modules, and that you don't bother to undo any of what are the working of the brain, but in your bias you make up a Being for the cause of a being, and pronounce all about it instead. Your 'being requires Being' template fails instantly, beyond its making up, for it violates its own premise by halting as soon as it tries to get off of the ground. To carry it through properly, one would then have to have BEING, etc., beyond and beyonder.

Positing the supernatural just makes for a larger question because it doesn't really explain anything; it just pushes the answer off. Incomplete answers are invariably wrong, for answers must be complete. The proofs of the self-contradiction of

the supernatural remain sturdy, as well as that we find only the natural everywhere, the exact place that the supernatural is supposed to be, theistically speaking. It is really just a mere pronouncement to claim that the supernatural can be, one just born of a wish.

Zero proofs of the supernatural have been found, while there are a zillion proofs of the natural. The error is then compounded by preaching it, and that is the real problem. Why can't they say that it's just a theory? What are all these outright claims? Because then fewer would listen.

Science proof is not an internal view like the supernatural is, but is there for all to observe; however, the believers may not want to, for then the wish begins to wither. Many will go through all kinds of contortions and distortions to avoid this, including not debating, but still trying to say 'bias' as some kind of stand-in for the neglect. So much for the fiat of religious sites.

P.S. Dudley, please sign in. And the bomb was a dud. The glorious switchboard has one hundred trillion connections.

*In Dudley's statement about the ancient paradox, 'we are created in the image of God—necessarily a God transcendent of space and time'.... I did*

*draw an insight. A synonym of 'image' is likeness and a synonym of likeness is similar—hence like God we, as consciousness/mind/perception, awareness and vision contain the potential to transcend space and time.*

Neither love nor hate nor bias for an idea will be of any help, in the knowledge of the All, but even of much hindrance as to the full absorbency of the meaning inherent in the facts which are. Pronouncing all sorts of things about gods and invisible realms can never amount even to the tiniest hill of beans.

Dudley, emotional decisions can make one happy, in everyday life as lived, even for such as what the TOE should be, but, there, they can get in the way of the light of truth.

*...the mind of God is immanently at work in upholding the universe as one huge and complex thermodynamic event.*

God has not been shown.

*...moves the organism toward infinity. Consciousness, this means, is fundamentally a contrast with infinity and is essentially a probabilistic state where the incipient or momentary absence*

*of something expected is, in a given moment, bound to an exponentially accelerating probability of weightlessness.*

So long, Dudley.

*I now believe that materialists have been seriously stunted in their spiritual growth by what, in my opinion, is a lack of exposure to certain spiritual truths, biblically revealed. For example, I believe that an individual becomes spiritually emasculated when the mother ("mater") overpowers the father ("pater") with respect to spiritual leadership.*

Have a nice trip.

*God is an invisible, transcendent Person – because of the way a focal image as contrasted with its ambient surround (what I will be referring to as "focal-ambience") is the actual process of creating and sustaining order in the brain.*

Sorry, preaching is not allowed here.



*...to when we were but a figment in the mind of God and time was essentially nonexistent. That is eternity (literally, without time), the realm in which God dwells.*

Really, sermons are not allowed. Enjoy your invisibles, Dudley. I really can't see it.

*I'm still searching, but I don't think anyone else really exists.*

Search every dark alley. Bear in mind the unanswered questions and pursue: What is there to make anything of? Could Totality be bounded in either duration or extent? What do we know from science? How would a dream reality compare to a real one? Exact? Then, is a difference that makes no difference really a difference? Does a message differ, based on the messenger—the implementation? No. Search the heavens and the earth for answers. You are one of the few who doesn't neglect, but addresses my content. Thanks.

I can do the same for you by referring you to the 'holographic principle', in which only the 3rd dimension is projected from the real 2. This could be why the maximum entropy of a black hole depends on a surface area, not on a volume.

Positing a dream world does not solve or eliminate the real. It is but a brief respite, for it right away it gets down to the very real, again, of the Dreamer or the Projector mechanism responsible, and, so, there we are, again, asking where did it come from as real and how can it exist as real. This is meta, stepping back, or lateral thinking, a path that can often be missed when one is wholly occupied with the idea of life as a dream illusion.

Saying 'xyz' does it all doesn't really help, even if 'xyz' is replaced by some common but non supportable stand-alone words latched onto, such as 'consciousness' or 'Brahman'.

*Austin .... How do we knock down a house of brick ..... if we are aware of it ?*

Same as with a castle—undermine it. Then it falls of its own weight.

*We all stem from one mind, one source, which has no more explanation it seems than existence, for those two details lie together.*

It ain't necessarily so. Life is complex and the complex has lessor parts, so, the complex cannot be First and Fundamental. All that we observe is a progression from the simpler to the complex.

Look to the future for higher life, to the past for lower life. Sure, we can still talk about the mechanics of what makes existence. Still have to resolve the paradox of how there is existence, though, at the end of the day.

*Life is produced through life it would seem that it is transferred, and so the individual mind is a part of a network of predecessors that they have inhabited, simultaneously.*

Infinite regress of higher and Higher and HIGHER lives. This is the complete opposite of what happens.

*We all stem from one mind, one source, which has no more explanation it seems than existence, for those two details lie together.*

Bacteria. And they are still the Kings of the Earth (not dinosaurs), for they are still around, and we wouldn't even last 5 minutes without them. Luckily, for our evolved forms, they discarded oxygen as a waste product, but one being's garbage can be another's salvation.

*Consciousness is all.*

OK, conscious mind is the only portal through which we can experience subjective reality, and from this fact we are jumping right on to saying that minds are all there is/are, there being no objective reality 'out there', but nevertheless honestly entertaining the notion to see how it goes. We are not going to worry about how mind/brain is necessary to interpret waves and vibrations out there, anyway, to makes sense of it, for there is no 'out there', anyway. Senses and brains don't really do anything, but are projected as being there, for some reason. So, we are entertaining the notion that minds are all that is real, and nothing else is. Minds are made of mind-material-stuff; there is no other kind of material. There are no brains, no cells, no cars, no buildings, no grass, and no world. The mind makes them appear to be as so. All minds seem to agree agree on what structures and landforms appear to be there, as projected. Senses take nothing in, for, again, there is nothing out there. All that we seem to see and feel, etc., is but an apparition, but it works exactly the same as if it were real. Everything works perfectly and exactly as if things were out there. A part on a car goes bad and the car won't start. Even the whole history of how cars came into being and progressed is built by the mind, again, this being the same for everyone. If one is hit by a dream car then the mind makes a corresponding dream hurt. Only minds are real, because that is all one



has access to. And so 'selves' could be real, too, since we experience a self, yet perhaps the mind is making that illusion appear as well. So let us still say that only minds are real; otherwise, we are writing words on water in a fog of unreality and cannot even trust our selves, as they would be fake.

So, all this is indeed nature's shortcut instead of having to have real stuff out there, as that would be quite a chore. Nature is efficient and frugal. The result is the same as if there were real things out there, though. Remember, a difference (in the implementation—the messenger) that makes no difference is totally no difference, truly, in the outcome—the message, as far as our experiences are concerned. This is like how music is produced by different mechanics of various mp3 players, or even by a live group, as the result is essentially the same.

We live in the Matrix, and that movie was a dream within a dream. Our minds made it, not directors, producers, screenwriters, prop and set people, camera men, and all of those thousand names one sees listed as the credits. We could be brains floating in vats, but there are no vats, no brains, no stars, and no universe, yet, mind is as real as real can be real. We seem subject to the happenings of experiences, but perhaps it is only a matter of time before we can direct our experiences, as

some can already do in lucid night dreams. All this consciousness and dream stuff may have come from a big and sleepy ultimate Guy called Brahman, and his wife, Bra-woman. They are the paternity and the maternity of eternity. However, I can give no reason for saying such a thing.

So, now what? Is there any paradox of existence, as of the mind? I would suggest that the same basic questions remain, no matter what we refer to as real, whether stuff out there, a projector mechanism, or even Bra-man, one of which is "What the heck is it doing there?"

Awareness is the 'I' of common English language usage, as in "I feel happy". Or, since we have two selves, the higher and the lower: (to one's self) "What the hell were you thinking!" This is why we talk to ourselves.

Bacteria would not be real, even now if we see one in a microscope. They are mind projections, just like the microscope.

For now, all projections are forced upon us. Brahman has many screenwriters writing soap opera scripts for us. 'I' (awareness) feel awed by all that is.

*Austin, I am happy.*

A feeling or sensation of happiness has surfaced on the mind from the other self of the brain, the mind only being able to handle a few things at once, and consciousness observes and witnesses this state of affairs and so one becomes aware of it as an 'I'.

*Anything can exist as made by the mind, for all is in the mind.*

I think I'll determine a reality of there being no dust or mess in the house to clean. Hey, I did it; it's all gone. (I cheated; I turned the lights off.)

*Though physically all is a projection, we may still determine our own reality to many degrees.*

That's good, for then we can make the temperature to be not of low degrees.

*Austin, everything is a projection of the mind, mainly not real. All is imagined. Things exist conceptually, only in the naming of them, the mind does this.*

The mind is quite a projector. Even running the Super Bowl with 100,000 spectators and all the field action is no sweat for the mind. Hey, I just

made some words appear on a screen, supposedly from some apparition calling herself Melanie.

*Religion?*

Religion declares its dogma all at once, which is why it comes out as the dunce. Science is of a repeatable stance, and thus brings forth reliance.

*A forever basis?*

The necessarily ultimate and causeless basis had to have been around forever, it being eternal, thus, it, itself, could have had no creation. This alone made the popes cry, from the pain and injury of their old dogma in stone falling, from there being no creation or Creator of the eternal causeless

Did the karma run over the dogma?

The deathly spiral of paradox ever follows

The carving of wishes into the stone hollows  
Of dogma forever blocked from the allowables.

The believing dance grinds to the elemental



Of that Being who can never be fundamental.

All such tales of original stuff made of love

End where there's nothing to make it of.

A brief twilight comes and goes, as the night crashes down on them. They sit there a long time, hearing a few whales breaking through the surface and then spouting water.

Juliet: The All, meaning the TOE, or Totality, must be Infinite and Eternal, or it wouldn't be the All, and now we have Everything thrown in, as again, the All would have no limits, with Nothing somehow involved, for there's nothing to make anything of.

Patrick: Let's focus first on the Eternal, but still keeping in mind the everywhere of the Infinite.

Juliet: Eternal systems are their own precursors.

Patrick: So they must be there all at once.

Juliet: No real past, present, or future, but for how it all gets interpreted.

Patrick: No first anything, really, for forever systems.

Juliet: Light requires matter before it, but matter requires light before it.

Patrick: They were both already there.

Juliet: All at once.

Patrick: Hard to figure, but it must be so.

Juliet: Stellar ignition requires some of the elements of previous stars.

Patrick: No first star, ever.

Juliet: The All is at once.

Patrick: No electron or positron appeared before the other.

Juliet: Both at once, always popping up in pairs.

Patrick: As for quarks and anti-quarks, and even photons, which are their own antiparticles.

Juliet: Only two stable matter particles in free space, the electron and the proton, with opposing charge, and their antiparticles, of course, but no stable uncharged matter particles.

Patrick: And only one stable energy particle, the photon, uncharged.

Juliet: And from only these few all exists—in its glorious and resultant complexity, that as of now.

Patrick: Amazing.

Juliet: The All, at its level, is all past, present, and future.

Patrick: Inside it, which is no longer the ALL, time is required to traverse it.

Juliet: And time, although not fundamental in itself, always goes forward.

Patrick: There's no going back, for us.

Juliet: Why would anything at all exist?

Patrick: Because Nothing cannot.

Juliet: Yet things have no source.

Patrick: And so the total energy must be zero.

Juliet: But zero cannot be.

Patrick: So there is fluctuation, positive and negative.

Juliet: Yet that capability exists as something.

Patrick: Yes, something has to.

Juliet: Because Nothing cannot be.

Patrick: Sounds like zen.

Juliet: It grants us now and zen and when.

Patrick: Since the All is Infinite, this goes on everywhere, eternally.

Juliet: Then everything happens.

Patrick: All at once, playing out forever and everywhere, sooner or later, or even many times at once, due to infinity.

Juliet: That is the outline of the TOE.

Patrick: No first kiss for us. We've always been out there.

Juliet: And always will be.

What is the existence of the Cosmos within nonexistence, then, as there is truly nothing to make anything of? This is tough, so let's dance around it, for now.

The only way for the Cosmos to exist is for it to be as large as it is, which is infinite, because the vacuum (nothing) must be infinite, as well as eternal, again because the vacuum is so. One might also say that the Cosmos is so large because the infinitesimal of the Planck size and within it must be so small. By the vacuum we mean nothing, which is nonexistence, which may be a perfectly unstable state that cannot ever be or remain as such. There is no other possible source for existence.



The Cosmos exists now (duh), and nothingness can not prevail, and so there is a reason why that is the case. What is it? As a clue, note that no violation of energy conservation has ever been observed. What must the total amount of energy sum to?

We can only comprehend the cosmos after we know the complete answer of why it exists. Incomplete answers will not do.

Beginnings are an anathema to theories of the All, for then there would have been something else before, and so are bounded extents a problem, for then there would have been something beyond. So, there can be no first origins. There was not just nothing for a while and then suddenly an instantaneous something occurring. The cosmos had no origin and has existed forever; however, there are still trillions of stars out there and no one knows why.

If the cosmos had no origin then why is it here instead of nothing? How is existence derived from nonexistence? This is the prime paradox. No wonder everyone went off to do something else, yet, there must be a solution, for the cosmos is indeed here. The real paradox may be that something and nothing are perceived to be radically and irreconcilably different.

The cosmos' size and the conservation laws are important clues. A thing exists if it has quantity of any type. The quantity of space is volume, and the presence of space allows for the distribution of energy; otherwise reality would be but a point of infinite energy density. The sum total of quantity is reality; they are inseparable.

*I didn't post it, It posted itself, as and through me. It's the IT doing it, not the me. The IT as in "it is raining" or 'it is sunny'*

That darn 'it'. What a controller. In "It is raining" the 'it' (and 'rain') is a shorthand for saying that the weather is such that droplets of water are coming down from the sky. 'It' stands for how things are, weather-wise, in this case. Hope some photons from the sun are reaching you.

Electrons and positrons are always created together, and it has never been observed otherwise. The sum of all material existence, not just of some particles, is zero (nonexistence), which solves the prime paradox.

Zero energy is required for the existence of the universe because nothingness is all there is to work with in the first place. Oppositely charged matter

and antimatter sum to zero in the context of the entire cosmos, and energy must always be conserved in it to infinite precision.

Some might emotionally brush off the idea of nothing being able to be a distributed something, but, really, if it's thought out, there is literally nothing else to make anything of, and there is no way around this, and, so, intuitive or not, it has to be true. There is no logical alternative.

"Nothing"—the lack of anything—cannot be a stable state, or else it would still be the state. The cosmos had no origin from nothingness—it is just another expression of it. The cosmos is infinite and eternal because nothing is infinite and eternal, it everywhere having to be something as a distribution of it. There is no other alternative to existence. The cosmos is a perfect zero-sum equation.

Existence is a relationship, being that nonexistence can be a component of itself. Empty sets have a physical analog, and so must their relationship to each other.

Finiteness comes from a balance between infinite largeness and smallness. Infinity times zero = one (in one-dimensional space).

*Evolution is nothing more than a theory on Darwin's part.*

Unfortunately, for your thinking, your pronouncement falls dead and flat-out wrong. Evolution has even triple confirmation: fossil, embryonic, and DNA, which match one another. There can be no social control to truth and fact. Those who simply don't like it try to deny it.

*Darwin and those who supported him seemed to have no ethical or moral awareness of the pessimism within their doctrines.*

What is found is what it is, on its own. Only emotion can try to desperately sway the truth from what it is.

### The Time Capsule

Since one million years had just passed by,  
They, of the future, prepared to open, nigh,  
The absolutely sealed container's prize,  
Of a capsule made so carefully that it did survive  
Without damage, being totally impregnable



To any outside influence imaginable.

They expected to see, perhaps, some old relic,  
But certainly nothing alive that could tell of it,  
For it would be hard to imagine, even then,  
That some organism could keep on going its ken  
Over its course of a million years later,  
Sealed inside this tight container,  
Unable even to exchange energy's spark,  
This metabolism being the hallmark  
Of life and all that quacked or quarked...

And, so, they did not at all expect something  
In there that would be flapping its wings,  
Gasping for air, or anything at all of life's song,  
Wondering what had taken so long.

Well, they were right and they were wrong,  
For in the time capsule that was planted so long,

Several things had with it come along...

One was a plaque, of numbers low and high,  
And containing some primes and pi,  
Another, some essays of the future—  
Some, like Austin's, quite mature,  
Along with Darwin's book, maps curled,  
And many other items of the world,  
From those times when the oceans swirled;  
But, the last, one perhaps not intended,  
Was a microbe—an extremophile—  
Laying there quite contented all the while!

Well, they soon laughed, loud and long,  
For they were in between right and wrong  
About what could survive from so long ago,  
For, it was really walking mighty slow!

*Therefore just as existence is necessary, motion and change must be necessary.*

This would be an important addition to our set of foundations, that motion is natural, not stillness. The 'elemental' particles seem to ever be in motion, including spin. No one can get the temperature down to absolute zero to stop them (if it even would). Just as an absence of anything can't happen neither can stillness, it seems. Change (time) would essentially be motion, which is a difference of space that the things goes through or rotates in.

*Hello Austin*

*I am pondering, once again, the eternal and the finite existents. The eternal existents, having the potential to transform (into all that currently is), and is in some context labeled temporal, would eliminate this meaning (of temporality), since as they "caused" all, they transformed into all (as existence is the only source, finite existents were not from nothing, there is no nothing). These eternal existents, before they transformed at all, must be looked at as a set, because they interact (unless in separate realms and in that case they are separate universes from ours), and so there is no plurality of First Causes, but the set, much as existence is still a set. The mystery is that since any chain at all may not be infinite, the Cause*

*still must have rested at one stage. Yet this is impossible since even then it contained the potential to create. Therefore just as existence is necessary, motion and change must be necessary.*

So, there is always motion, which we do note at the smallest levels of stuff as pulsations, jitters, comings and goings; however, it is the place that they seem to go in and out of that is the lower existent, which is sometimes called the quantum realm or the vacuum (it never amounts to a true vacuum). Of course, this, too, could be emergent, but let us say we're always discussing the base existent, which is something that is perhaps not a clear-cut substance, or even one at all, but something more nebulous, like 'possibility', although that is still a real existent.

For now, I'd have to conclude that the base existent(s) is always up to something, which may be not much, but when low probabilities come to pass, which would take a long time, some larger and even much huger stuff happens, even universes that can work out eventually, they not being inert, after another long time, but a short time, relatively, to the really long times in between universes popping up, and I really hope another one doesn't pop up near me soon.



I like your use of logic. At these points, we leave some of science behind, and so must enter into philosophy, but that beats out mere declarations since philosophy at least has logic to it. Another way is to purposely make up some scenarios, fully admitting that they are made up, and then see if there can be anything to it through observation and experiment.

Such were 'light sheets' made up, but at least loosely based on the proven mathematical principle that a 3D projected space could come from a real 2D 'border'. This is the holographic principle. 2D light sheets would then create the particles and forces. This is not at all like a camera flash illuminating particles and forces that are already there, but the 'sheet' idea is similar.

Like all notions, it needs a lot of work to get anywhere. This month's 'Scientific American' described them somewhat, but most of the article is about a guy trying to detect vibrations way down at the Planck level by seeing if the vibration affect a beam-splitter mirror by throwing the two light paths out of sync.

So, logically/philosophically, it would seem that the base existent must have some fuzziness to it, kind of like lots of possible forms in superposition, for certain, specific, particular existents

would raise the question of how their amount, size, form, etc., got that way if they are causeless.

This is much the same as we see in the quantum realm; it is fuzzy with possibility and probability, not specific and definite. A state such a zero would be too definite, and so maybe that's why that state cannot be. Objects coming out of the quantum realm with, say, spin, do not have that property until they interact, meaning no objective existence beforehand, but just all states overlaid in a vibration (superposition) and no particular state. An electron seems to be everywhere and nowhere at the same time, although some places are more likely than others, when there has to be a place. So, we seem to have met the fuzz, which is fine, and expected, for something with no cause. Such, 'causeless' still seems to be a good answer.

Some may be emotionally dismayed that it can thus have no direction to it, but that's what 'causeless' is.

So far, the apparent base units are thought to be quarks and leptons, I guess, but these may be but penultimate since it appears they come and go, into and out of the fluctuating 'vacuum'.

At first, we may think, for no good reason, that the ultimate existent must be some fancy, compli-

cated thing, but, complexity is born of its parts, so, no ultimateness there. Our eyes are opened as we see unto the simpler and the simple, and to the emergence of the more complex, such as with the evolution to us. The simplest state would seem to be the total absence of anything, but we know this cannot be, for something is here, and the same with its cousin of stillness, for there is ever motion and change.

Perhaps all is relative because there is not anything that can be said to be standing absolutely still in regard to anything else. The ultimate existent can have no design or direction to it because it is causeless, and so none could ever have been imparted; therefore, it has every definition, all at once—everything.

Emotion rails against this 'senseless' meaning, but, really, anything else would have been a restriction, and specific, so it is truly a liberation instead.

The All of Totality can have no bounds; thus we are back to our boundless package consisting of infinity, eternity, and everything, with the impossibility of nothing somehow playing a role, too, if only causing the necessity of something to have to be.

Yet, above and beyond the ultimate causeless, there is then cause and effect, which grants no

chance and free will, which seems a loss, but it isn't, really, in view of the fact that wills and actions that depended on nothing at all would truly make for a senseless air-headedness; so, a fixed will (of the instant) is a necessity, but remember that it is dynamic and thus can be fixed to a wider realm via broader learning, making for wider and more informed 'choices', yet, still, gratefully, depending on something in those future instants.

Everything possible happens, everywhere, infinitely, time and time again, throughout eternity. There is no secret meaning, no information content, for everything and nothing contain the same information content: zero. The infinite Library of Babble that contains every possible book is as useless as the empty hut of a 'library' with no books that stands beside it.

'Now' is all that seems to matter. For now, the 'now' is ever-present, as the center parentheses of eternity, of then and when, as well as, for here, our 'here' being the middle of infinity, of the large and the small. What we have as our being is all there is; there is nothing more. We are the local end product, for here, and now.

*There are statements out there in evolutionists' writings by materialists and evolutionists where we sometimes find open admittance for example:*



"Any living being possesses an enormous amount of 'intelligence,' very much more than is necessary to build the most magnificent of cathedrals. Today this 'intelligence' is called information, but it is still the same thing. It is not programmed as in a computer, but rather it is condensed on a molecular scale in the chromosomal DNA or in that of every other organelle in each cell. This 'intelligence' is the sine qua non of life. Where does it come from? This is a problem that concerns both biologists and philosophers, and at present, science seems incapable of solving it."—French Zoologist, Pierre-Paul Grasse, *The Evolution of Living Organisms*.

Any remaining mystery simply equals mystery. Science ever progresses; dogma doesn't, and can't, by definition.

In this following quote we have Richard Lewontin from Harvard University, confessing that he is 'a materialist first and a scientist second' in these words.

"It is not that the methods and institutions of science somehow compel us, accept a material explanation of the phenomenal world, but, on the contrary, that we are forced by our priori adherence to material causes to create an apparatus of investigation and a set of concepts that produce ma-

terial explanations, no matter how counter-intuitive, no matter how mystifying to the uninitiated. Moreover, that materialism is absolute, so we cannot allow a Divine Foot in the door.—*The Demon Haunted World*

It is rather about Carl Sagan's book; he is atheist. "Science is a candle in the dark."

In the book *Evolutionary Biology*, biologist Douglas Futuyma writes, "Together with Marx's materialist theory of history and society, Darwin hewed the final planks of the platform of mechanism and materialist."

That's fine. The planks are hewed. Good. He just doesn't like it, which counts for nothing.

Then we have German biologist, Homar von Dittfurth, prominent evolutionist stating, "Is such a harmony that emerged only out of coincidences possible in reality? This is the basic question of biological evolution. Critically speaking, we can say that somebody who accepts the modern science of nature has no other alternative than to say 'yes,' because he aims to explain natural phenomena by means that are understandable and tries to derive them from the laws of nature with-

out reverting to supernatural interference."—Im Anfang War Der Wasserstoff (*In the Beginning Was Hydrogen*)

I'm surprised you would quote the same of error, time and time again, as ever noted. 'Chance'/'coincidence' is not the scientific alternative to Intelligent Design; natural selection is. Also, by his flawed reasoning, he must have the supernatural to be all the more impossible, and infinitely so.

Here we have Dimirsoy accepting chance as an explanation even though it is quite contrary to scientific thought:

"The heart of the problem is how mitochondria have acquired this feature, because attaining this feature by chance even by one individual, requires extreme probabilities that are incomprehensible. The enzymes providing respiration and functioning as a catalyst in each step in a different form make up the core of the mechanism. A cell has to contain this enzyme sequence completely, otherwise it is meaningless. Here, despite being contrary to biological thought, in order to avoid a more dogmatic explanation, or speculation, we have to accept, though reluctantly, that all the respiration enzymes completely existed in the cell before the cell first came in contact with oxygen.—Al Demirsoy, *Kalitim ve Evrim*—(*Inheri-*

*tance and Evolution*) Meteksan Publishing Co., Ankara, p.94-95

Same old stale, 'chance' stuff again.

Whats a siege of evolutionary literature or 'disseminated knowledge?' In language, it is the expression of 'dogmatic mentality.' Al Demersoy demonstrates this mentality here:

"In essence, the probability of the formation of a cytochrome-C sequence is as likely as zero. That is, if life requires a certain sequence, it can be said that this has a probability likely to be realized once in the whole universe. Otherwise some metaphysical powers beyond our definition must have acted in its formation. To accept the latter is not appropriate for the scientific cause. We thus have to look into the first hypothesis."—*Inheritance and Evolution*

Same old, same old. Wants the metaphysical God, which by the flawed reasoning, would have all the more less chance. Yeah, I know, so then instantly throw away the very template upon which the argument began. These guys' languages are indeed very slippery themselves.



*Language betrays the 'disseminator.' The above quote is not a statement about scientific cause—this is 'materialist philosophy.' The philosophy hides behind the constructed words and statements. Language reveals deceit!*

Facts not shown to be deceitful. Try again.

*Here is Leon Trotsky explaining the discovery of Darwin as:*

*"The highest triumph of the dialectic, in the whole field of organic matter."—Marxism and Darwinism, 'Reason in Revolt: Marxism and Modern Science.*

Yes, a triumph.

*Dialectic—an intellectual exchange of ideas; presentation of the dialectic or the opposing idea—early Greek meaning: comparable to rhetoric or expressing one side of an argument.*

*Rhetoric—the art of persuasive speaking; language (words spoken or written) designed to have a persuasive or impressive effect on its audience.*

Yes, and neglect, such as ignoring the triple confirmation evolution fact. All in all, a poor showing:

nothing undone, just words and wishes, and even pronouncements (deceitful), and nothing in evolution's place presented with any facts whatsoever in any way, shape, or form. Fails on all counts. Grade = zero.

*Austin, indeed all is causeless, that is the key, but if we are turning to the base unit specifically.. let's see.. the base units make up all matter, and so they each, individually, have separate properties, as we see different "types" of matter, and if the base unit is universal this is impossible, how would we have different elements etc. if all are commonly constructed.. straightforward enough, that there is a limited number of different classifications of base units. But seeing further, perhaps the base units are all different in some way (they are at least in position and "destiny") by make-up, that there can be found some difference across all, no two are identical.. this seems purely speculative but I find it very likely as each base unit must behave throughout existence in a different manner. If we are to speculate further I would advocate determining the possible properties of such different base units based on experience.. this experimentation would aid in.*

I've been thinking about this post. It suggests separateness, not unity, at the deepest level.

What is it that can make things separate, as different as they can possibly be. It is that they contain no part of the other, making them opposites. There is no red in green, no green in red, which is why they are opposites on the color wheel. There is also night and day, on and off, and so many other examples everywhere we look. What about some of the more elemental(s)? The nuclear weak force promotes instability and change, while the nuclear strong force is the opposite, for it promotes stability and permanence. So, let us add separateness to our knowledge here. Other examples have been matter/anti-matter and positive/negative polarity of charge.

*The apparent known state of existence, Austin? Of the logical objective? Just the ultimate existent(s), no matter how it is expressed at our level.*

That there can be no paradoxes tells us that there is an answer and a reason, one that is not cause and effect for the causeless. It gets down to two cases, of nothing or forever, which may even be just one case at heart, but we'll call it two. Although we may not like either of them, one must be true, so we hold the answer to the TOE right in our hands. We just don't know which, and the knowing needs to be complete, answering what,

where, why, when, and how. The answer must be simple, too, as composites themselves are not answers to their ultimate parts.

It would seem that the capability for consciousness is fundamental, as, for example, mass. Information seems to take two forms, conscious and neurological, and they seem both correlated and corresponded. If not for consciousness, one would not know what is going on inside. There is still a lot going on that we need not know, things that the brain does to keep us going, things that would be a whole lot of clutter for us to know. Perhaps entanglement produced consciousness, as everything is entangled with everything else. It is said that when an electron vibrates, the universe rumbles.

Please, please, please attack this: All is subjective.. OK.

1. Why would we have senses if there is nothing objective to sense?
2. If nothing objective is out there, why would senses still appear to sense?
3. What is the real mechanism that runs the simulation of all?



4. What would one do differently if one came to believe there is no objective reality?

5. Why do squirrels run toward and often under cars when they are already in the clear?

The reality simulator has to be real, just as some think the brain real to produce night dreams, and so this projector/simulator/matrix was built by aliens who highly evolved the regular way. They use it for amusement as their TV channel.

*Faith or reason?*

"Faith is the sugar in the Koolaid."

"Science flies you to the Moon. Faith flies you into buildings"

And there's "Faith's believing what you know ain't so." by Mark Twain or "Faith: not wanting to know what is true." due to Nietzsche

Belief - a theological term meaning "wishful thinking".

I am indeed logical when I need to be, but I am actually a liberal arts guy involved in writing poems, novels, and screenplays. This is the intuitive, feeling, perceptive personality (we all have thinking, too, from school). They know how all personality types act. I don't care what kind of truth ends of to

be, for the TOE, as long as it is true. So, we can't just state things and leave it at that.

We need more on how the awareness does its thing, since that is a heck of a lot of doing and modeling. Is a part of us real, receiving a real broadcast, or does awareness do everything instantly, somehow? And, as for these mechanics, is a difference (in the outcome) that makes no difference truly a difference. One may consider others and things to be illusions, but one still interacts with them as if they were real, so...?

I just slept twelve hours. That was a good one. In my dream, I was in some great resort village, in Canada, and didn't know how I got there, since I wasn't lucid this time. It was like a memory loss. After a great time, I was looking to take a bus to Chicago, although I haven't lived there in 40 years. (I am older than Melanie.)

I play 'bridge', mostly on the computer. That's a good logical game. When we night-dream, there is our simulation model coming into play, and it is the same model employed when awake. We have to figure how much of a face is painted upon reality but, if any reality is out there, and what is really out there, if anything.

How about, if there is originally no time and space, then everything happened, instantly, but,

due to the finite speed of light, it takes time for the broadcast to play out?

*Austin, under my conception, the illusion itself is the reality.*

This is because, for the purpose of the idea, we take only the mind to be real, don't we?

Unless something is running that as an illusion, too.

*The mind=existence=Eternal Awareness is a necessary system. How it is necessary is outside of our consciousness, at least I believe. The answer may be here,,, We established some time ago that existence is as it must be, and this applies even here. It must be as it is, because the notion that it isn't as it must be implies alternate possibilities, and therefore chance and probability, which is conceptual, must exist, and cannot because there is no method of determination, no randomization factor, no unknowns.*

There is also no 'random' since something underlying would have to maintain its randomness. Besides, all must operate with infinite precision, per cause.

Since existence is, and must be, then let us add to our platform that it is the main attraction, and so we may as well immerse ourselves in it, no matter how it operates.

Awareness being the one and only All makes it a complexity, a huge one, even, for it does everything, and so it cannot be First and Fundamental, for systems have parts, and thus the awareness idea cannot be true because systems cannot be ultimate.

I had a dream last night, which granted. I was living on another planet... and I was out walking at night with a child, nigh, examining the lights of the night sky, explaining the names of the stars, when, suddenly, the Earth blew up, quite afar; oh, it thoroughly exploded, in blazes solar, or perhaps even nuclear. The child then said to me, clear, 'Look! Oh, look, mon pere! Look at the pretty shooting star!' Such is the relative importance and worth of the Earth in the scheme of that which burst.

So, does anyone know what night-dreams are for, and why they are visible? Some say to gain experience, but some dreams are really weird experiences. And things don't work as well as when we are awake. For example, gravity goes away, sometimes, and so I can fly; my car is never found



where I parked it, and is never even found again, and when I drive it the brakes usual don't work well. Sometimes I am in an airplane but then the view changes to the exterior of the plane.

I guess that night-dreams are imagination on auto-pilot. When awake, what is in imagination is nearly invisible, and guided, but is there, probably at 95% transparency so we don't get confused between that and our reality scene that has full opacity. Night-dreams have no transparency. They only seem hazy and foogy when one tries to remember them after quite some time (they fade). Some schizophrenics seem to have dreams while awake, a really crippling condition.

On one rare time, I was able to keep some night-dream music going for about 10 seconds after I awoke by keeping very still. It was great music, composed by...? Another rare time I became half awake while sleeping and saw my dream arm converging back onto my 'real', awake, arm.

So, we have the proposal that the dispositions underlying reality are of an experiential nature, so next we need to obtain insight that can lead to understanding this, lest it remain but a proclamation, which won't do anything. Logically, it could be that all is interconnected, as evidenced by 'en-

tanglement', and so this could amount to a rudimentary form of perception, or more.

Emotion is often useful in making decisions involving the seeable and knowable, but not so good when the unseen and the unknown is involved, for it may amount to but a mere wish or desire.

The only thing we have to examine awareness with is awareness itself. —Austin P Torney

Consciousness arises, perhaps in higher degrees, as complexity increases; yet the main is that it arises, and so it is as if it is a natural happening, such as mass, charge, energy, and matter. That consciousness as a base would lead us to believe that consciousness is not a base, but a product of a brain process, although still natural, since needing a brain, and coming after the needed and requisite time required for neural analysis all seems strange.

Either way, all is determined fate and destiny, as an effect must depend on a cause. It is like we dance as puppets on a string, but ever better, and

necessary, than if the dance depended on nothing. Now, is the determination of us because of an initial state that became or is it meant by something? Probably, it is just the way it has to be.

I found yet another showing that our reality seen, however it became, has a balance: Energy and matter are interrelated: the void pulsates in an endless sequence, for a field is present throughout space immense, out of which the particles must condense, occurring where the field is extremely intense. Atoms are energy bundles placed as knots in the fabric of space yet, this matter defines the structure of space. The Yin is in the Yang, and vice versa! They seem to make each other, although each needs the other beforehand. However, eternal systems have no precursors but themselves, so, it seems that what is needed would ever be always available. No first anything. No chicken before the egg; no egg before the chicken.

*I have been living my comfort in having no control, and so subconsciously pondered.*

True, no control. We are robots. Everything is robotic. We are tourists along for the ride. Note that this is still so even if there is an objective reality, since consciousness is still the last to know. How-

ever, we have realized that we are robots, if that counts for anything.

The reason that happenings seem specific, and therefore 'meant', is that, well, they are specific, but they are just a branch of everything happening, somewhere, sometime, perhaps even over and over, and, thus, nothing is really meant by it, in the sense of having been planned.

*Is the notion that all is a product of the mind, so absurd, when it is already known that the mind truly influences reality...*

Yes, absurd, but much is a half product of the mind, as with peripheral vision, and even when we see something directly, like an apple, for we've learned to see an apple, but each apple offers something unique; thus, the mind presents the general idea of the apple, as learned, met half-way up by the specific instance coming in.

Consciousness as neither first nor an object nor with no source...The objects of experience are witnessed by conscious awareness; so, consciousness itself cannot be an object. It is, then, as expected, a subject. This capability is as natural as anything else, such as mass/energy. Since we can become aware of being aware, as self-consciousness, conscious awareness can be a kind of symbolic object



witnessed by a higher subjective, but, in the everyday, consciousness is the subject of the objective experiences.

What is witnessed by consciousness correlated to the same neural information, and is the feel of that neural info. The forms differ, but the information is the same, leading us to call information the base, whatever that means.

In the description, "I am walking", for example, 'I' is awareness, that of only the now, which takes in and witness what in on the 'mind' (walking, in this case), at the time, which event came from the brain, which is the complete self of learnings, memories, associations, and so forth. The 'I' would seem to be a tourist along for the ride, for it is the knower of the experience that is already happening, as in "I feel pain", the pain signals coming first, then the knowing, as 'pain'.

So, consciousness, while still a natural capability, arrives last, not first, which also makes sense because the subconscious brain require a few hundred milliseconds to perform and complete its analysis. For example, one reads this post, which involves sense processing, and more, internally, and then applies one's self (brain), to its content, as one has become, in comprehension, for example, and then absorbs the content, ruminates over it, and then perhaps has some response that

sooner or later rises up to "what's on the mind" getting observed by conscious awareness, sort of like objects surfacing in a stream, but, in this case, the sea/see of the so-called stream is not an object, it, of course, being the subject of the objects of experience.

Not everyone knows this, some feeling that the 'I' of conscious awareness is doing all the work, all of it being a complete and visible happening; however, it is a 'second story', the first floor really being the underground, subconscious 'basement' of the real machinery.

So, the 'it' of consciousness matches, in its information, the neural 'bits', the message being the same, although the conscious form is delayed, it not achieving completeness until the brain analysis time has completed, for it is fast, but not instant. The mode, which is like the messenger or the mechanics, of course, differs, between the 'bits' in the neural network and the felt 'it' of them as experience in consciousness; yet, the content, the message, is the same information.

Consciousness is a brain process, and it requires a brain and that process within. There is no consciousness as an object and/or without a source (First). Consciousness is a subject, and is, perhaps, the same for everyone, but the content differs.

More interesting is why humans would make things up, simply proclaiming them, without even undoing the contrary evidence, making "consciousness is all" ideas just about as useless as they could be.

Note that 'bad' is two levels lower than 'good', since 'neutral' is in between. This could make some 'bad' people unreachable by the 'good'.

If there are really objects out there, such as a real mouse eating some real cheese, with a real Melanie watching, then the properties come from the object, such as the size, and the cells and molecules inside, and so forth. If there are no real objects, and awareness makes them all up, as proposed by this thread, then awareness has to invent a scheme of the apparent properties when it shows a picture of a fake mouse eating a picture of some fake cheese, near a picture of a fake Melanie. For the internals, it might show anything, even blank, or cells and molecules. If we look into a picture of a microscope then it might show (just) a picture of trillions of molecules. If we measure properties, via a picture of a machine, then it might produce output pictures of those results that we could report. In sum, everything is faked, but using some certain scheme, rather than any

other, but consistently. So, it seems that the awareness simulation of a fake reality with no real substance does a really lot of doing, to project this, and so the idea needs a lot of explanation beyond that it just does it.

*I suppose the meaninglessness and pointlessness of life is quite liberating?*

Yes, it's a liberation, which is also expected, for no place in infinity would be special, beyond any other, as, too, there would be no special time during eternity.

*Then how may we say "There may be an infinite causal chain"... and without a beginning, how do we say that this is necessary... hmm.*

If beginnings are out, then there has to be an infinite causal chain, and, so, I guess we then have to get rid of Time, if that helps, so, time out. Then all is at once, whatever that does for us.

*Time is the concept applied to change, to interpret it, that's all... Think of change as having no rate, different properties being compared in different contexts for practical use... for example,*



*distance travelled per tick of the clock, time is conceptual, change is continuous, the ideas we apply to change under time serving nothing actually.*

*All is not at once, cause and effect still applies, but the basis of the perceived impossibility of an infinite causal chain must be attacked. I suppose this basis is that traveling backwards forever, the former explaining the latter, would seem to lend nothing to the entire chain in itself, and so explain, yield, nothing. But traveling backwards in our mind is akin to dividing a base unit isn't it... the past doesn't exist, and the division doesn't exist. Yet the transition happens as a constant.*

I was thinking of Einstein's 4D Block Universe, with everything frozen in place, time merely being a distance between two slices (instants) of the block. It's more like a movie, in which everything doesn't continue on, in and of itself, but is wholly replaced in each and every instant.

Then there is a more open approach, which still uses some of the above. So then, there are, strictly speaking, no objects that are identical with themselves over time, but the temporal sequence remains open. Nature is then no longer seen as clockwork, but only as a "possibility gestalt", the world still occurring anew each moment; however, the deeper reality from which the world arises, in each case, acts as a unity in the sense of

an indivisible "potentiality", which can realize itself in many possible ways, it not being a strict sum of the partial states.

What remains unchanged over time are certain properties that find expression in the laws of conservation of energy, momentum, electrical charge, etc., these necessarily being closer to the basis of all.

It appears to us, though, that the world consists of parts that have continued from "a moment ago", and thus still retain their identity in time; yet, matter really only appears secondarily as a congealed potentiality, a congealed gestalt, as it were.

*Is existence finite or infinite?*

Our finite Existence...

We are suspended here in our finite realm, where we must be, in a balance of infinite largeness and infinite smallness, at the mid-point, in between the infinite and the infinitesimal.

Of course, we have knowledge of the ever increasing vastness and dispersion of the very large, it all going away, in a sense, as well as the ever decreasing compactness of the very small, it, too, seeming to vanish; yet, we can neither see nor live at either of these extremes, because both of those paths

lead to very much the same state, which is well away from existence, going towards nonexistence, nothingness, even, for there is only that one alternative to existence, the lack of anything.

So, it is, that, due to the one limiting case of the non, the large is the same as the small, the same vacant truth on both ends of the size scale. There is no ceiling to the universe, and, just as importantly, there is no floor. The infinitely large and vast is too large to observe and the infinitely small and compact is just as inaccessible. Our finite existence lies suspended, well above the microscopic world of the infinitely small, and well below the immensity of the infinitely large.

What keeps us hanging there? Why does our reality not shrink into a single point? Why this location on the cosmic size scale? It is because we are the singularity of existence, perched here between the infinitely large and small, the only place we can be, halfway between infinite largeness and infinite smallness, because they are the same thing. It's no wonder, then, why zero and infinity cause some of the same problems in math, for they are two different viewpoints of the same thing... And so, too, is this always reflected in the problems that particle physicists have in trying to find a connection between the macro and micro universe.

The self-referencing reality and its "vanishing"...

Our reality is self-referencing, for we have lengths of varying finite sizes, a clear order to the size of things, but for the infinite extremes; however, this is because finite size is the only size available for us to measure, mired, as we are and must be, at the midpoint of the existential scale. With no ceiling and no floor we are a mean between nothing and everything, each having no real information content.

We are a nothing compared to the infinite, although an all in comparison with the nothing; yet, all and nothing are synonymous perspectives of the same thing; for nothingness is the only form that the completeness of symmetry can take, the only place to go from finiteness, the only place to go from existence.

All that a point in space has going for it is its position relative to other points; for it has no intrinsic properties. From the "outside" all existence vanishes, like the grin on the cat. A superposition of any number of points at the same position is indistinguishable from a single point; thus, the multitude is the same as the one.

There can be no beginnings or ends to the cosmos in the eternally infinite and perfect symmetry. We exist in this everlasting cosmos in the finite middle of nowhere between the two infinities, in the



reality set upon the stage of forever, on the knife edge of the infinite balance.

The moving finger writes; and, having writ, moves on: nor all thy piety nor wit shall lure it back to cancel half a line, nor all thy tears wash out a word of it. (Omar)

*Two balanced infinities? (: And why this suggestion over others, where is the necessity? Taking distance and scale out of the equation (system) altogether, is yet possible?*

*The block universe... seems very sound, motion as distance, points of reference, yet this suggests that "outside of awareness", once again ;P*

*So, the two to be resolved?*

*Objectivity, and distance. How are they taken to be factual? When the objective is not actual to an observer, and where distance need not be an entity apparently?*

I'm as good as in a Black Stump (far away) or the Back of Bourke (the middle of nowhere), Bullamanks even (way beyond the preceding destinations)!

*Lol ..... there are a number of Black Stumps. The original surveyors would chop down a large tree and use the stump for balance for the tripod for the theodolites. I have visited two of them. One in Bourke (NSW) and one in Blackall (QLD). 'Out the back of Bourke' or 'beyond the Black Stump' were once common sayings here meaning beyond 'Beyond'.*

*95% of Australians live within 50 Kilometres of the coastline and have never crossed the Great Dividing Range or travelled inland, nor ever will. Bullamanks (misspelt) is pronounced Bull-A-Ma-Kanka.*

*Theres no work in Bourke*

*things are crook in Tellarook*

*and theres Phuckall in Blackall*

*Tallarook\*? Used to live there, among many others. Relevance, Austin? :P*

It means I'm not sure what to say. Wouldn't the Matrix have to be run by something? And so wouldn't it try to reflect that base reality, but perhaps add some features, such as being able to fly?

*1. Existence comprises information*

*2. Information necessitates interpretation*

*Therefore, information exists, too.*

Since everything works exactly as if physics applied, down to the tiniest details, then it seems that there must be objective reality. We don't see magic, such as in movies or night dreams, of elephants flying around. That's because they don't have wings, and there is gravity, etc. In a real Matrix, just about anything could happen. So why would this supposed Matrix be one for one with what would be the behavior of real objects? It's still true, though, that we only 'see' inside of our heads, but that means there is a head, and more, to support it.

*Why does the existence of awareness (as existence itself) necessitate a cause outside of itself? Does this not suggest an infinite chain of components? How do you cite the head and brain as this source when that itself is within the awareness? Could it not be absolutely anything?*

I saw a tremendous eagle flying over the deepest blue lake. It was carrying the most astounding painting that was ever painted in the history of

the universe. A gigantic sea monster arose from the sea and swallowed the bird. The painting fell and drifted over to my house on the shore. It wasn't damaged, since it was an oil painting. I sold it for one zillion dollars. Then I woke up.

Reality is more of a useful fabrication than an illusion, with the colors painted on, etc., even light given a shine, all within the brain's eye. Reality is consciousness, for that's what puts a better face on what's behind the veil.

John Somebody—his name rings a Bell, a short Irishman with red hair, proposed a theorem that he thought would show hidden variables in quantum theory; instead, the experiments that followed showed that the wave function of probability-possibility was the fundamental description of the quantum.

Pro Theory

There is Everything real. (positive)

There is Nothing real. (negative)

There is Possibility. (neutral)



All must be true at once, especially here, since the information content of Everything, such as every possible universe, is zero, as is Nothing's information content. Possibility either generates the real, sometimes, or generates the not real, nothing, sometimes.

### The Split From Reality

We would love to think that Schizophrenia is somehow an integration of consciousness, but it is rather a disintegration. The severe cases cannot even function. Schizophrenia is marked by severely impaired reasoning, and emotional instability, and can cause violent behavior. It is a serious mental disorder that affects millions of people worldwide. By some estimates, 1-2 percent of the world's population may be schizophrenic. People diagnosed with schizophrenia make up about half of all patients in psychiatric hospitals, and may occupy as many as one quarter of the world's hospital beds. Research shows that the condition tends to run in families. A person with schizophrenic relatives is ten times as likely to develop schizophrenia as someone who has no history of the disease in the family. One hears voices that are not considered to be one's own, such as would be so in a dream when other characters speak; however,

the visual hallucinations do not always occur along with the audio to explain this, not that the accompanying visuals are a better state, for they occur on top of actual reality. Imagine even trying to walk. I wouldn't put too much stock in this kind of pseudoscience that says that this terrible state is a kind of evolution of mankind. Schizophrenia is one of the most debilitating and devastating mental states that there can be.

### On the Visual System

The visual system uses a lot of real estate in the brain, having neurons for locating edges, sensing shadows of them even, and more than we can say here. That we have two eyes each reporting to the other half of the brain allows for our knowing of distance. I suppose it's really all how and where the photons fall on the retina that gets ever more interpreted by higher levels. Neurotransmitters are chemicals sent between neurons, where electric currents can't go, but they are very fast, too. An unseen but somehow felt really fast black and white image gets sent, too, so we can quickly duck away from a threat.

### The Train of Thought Arrives

As a boy, I wondered whether the basic potential of the universe had been created from nothing or had always existed, and settled on the latter, in favor of an eternal potential, for, had there truly been nothing, indeed, nothing ever would have become of it. Potential, which can neither be created nor destroyed, is eternal, without a beginning or an end, and serves well as the Ultimate Ground of All Reality, for it creates simple, penultimate, 'fundamental' substance(s) that further combine. Yet, of course, there's nothing to make it of, and so 'nothing' plays an indirect role. It cannot be, since it is perfectly unstable, and it never is, but everything must sum to it, as a balance of opposites.

Those who are persons, like us, or Gods-who-are-persons, are composite creatures, and therefore cannot be their own cause (absolute), being totally dependent on their parts, and then on the Ground-Of-Reality—Potential, which we might even call the Ground-Of-Determination, or G-O-D, meaning the God-which-is-not-a-person. Thus, the G-O-D, meaning Potential, that underlies all, and I mean all, including both matter and consciousness, is not itself underlain by any presumed and powerful Atlas standing on a turtle, with turtles all the way down, but is, indeed, where the buck stops.

'Fundamental' substance is not complex, but simple, for it cannot, by definition, be composite,

and, as we shall see, we may all even have access to it and share in it, knowing it as Awareness, or the Ground of all Existence.

That solved, and answering the question of why there is something rather than nothing as it couldn't otherwise, I turned my attention, as an adult, for I had to wait for the Decade of the Brain and the Age of Information, which started in the 1990's, to answer the old question of whether humans were "merely" electrochemical machines, and, indeed, found out that they were just aware "robots" whose actions but depended on memories, associations, and learned behaviors right up to the instant, for who can will what does the willing, by knowing what the next surprise thought will be that comes out of the blue, as thoughts often do, and whose emotions could be easily swayed by the spurious abundance or lowering of chemical brain neurotransmitters like serotonin and dopamine, which regulate mood and novelty, and accepted it, as really, the only way it could be, although it is important to know for curing anxiety, obsession, and depression, and, so, moved on to other questions such as the origins and use, if any, of consciousness, learning quantum mechanics, and more about the ultimate and nonlocal reality along the way, and, finally, to investigations of Awareness itself, that often overlooked and un-noted 'I' which can only look at the contents of the



mind, but which is not itself the contents of the mind, being more like the water in which we swim, than the stream of thought itself (indeed, we are awareness), and, then, by now exceeding the capabilities of even quantum physics, and, with no where else to go, delved straight into the pure and intrinsic visions of mysticism and meditation, for it seems that Awareness is an intrinsic path to information from the inside, being the essence of, if not, the eternal substance itself in its spiritual (gaseous) state, and that the ethereal matter (frozen) state of quantum physics is but an extrinsic path, now at its limit, to information from the outside. We are free to be, but not to do.

Mind, it Matters; Matter, Ever Mind

And All the Secrets of the Universe, as Well

In the beginning, no, wait, for there could be no real beginning, as this would imply a prior and absolute nothingness from which nothing could ever emerge. Note that an absolute nothing cannot even have any potential within it, such as the possibility of a “big bang” just happening. However, it did happen, kind of, creating our particular universe, although perhaps not exactly in the way we imagine it. What drives it?

There must exist ‘fundamental’ substance that is the Ground of All Local Reality, that which was produced by a Potential which is neither nothing nor something. Call it the quantum foam, but I’ll just call it Energy, It may very well be energy. Elementary particles and forces are made from it.

Perhaps, a Timeless-Formless nothing with Potential divided itself up into pluses, like particles, and minuses, like the forces between particles, the net result still being zero should all ever totally recombine. Gravity is, indeed, a negative force that draws positive objects together and should the whole universe ever collapse into itself, it may end up as an almost ‘nothing’, for an instant, at its point of greatest collapse, although a ‘nothing’ with some bounce to it. However, the particular method of creation doesn’t matter much, for we do have a universe that runs itself. I must discard the question of why there is something rather than nothing, for, obviously, there HAD to be something.

Energy, being made only of itself, through Potential, is, therefore, the only non-composite substance that is possible, totally fundamental, since it is not made of any pieces. Energy is the ultimate source of everything, with all higher, composite complexities that we know of, including all mind and matter, built upon its flexible base. Stronger than the legendary Atlas, who stood on the back

of a turtle, with turtles all the way down beneath him, presumably, Energy is, indeed, where the buck must stop, substance-wise, for there is nothing lower of substance left to make it out of (just Potential). Energy holds up not just the world, but EVERYTHING that there is, mind and matter, too. Energy is omnipresent. It is everywhere, and contained even in the so-called vacuum. This Energy IS our Absolute Reality, the Ultimate Ground of All Our Existence, the Mother of All Our Reality, the Fundamental Substance. This Energy is all that there is at the fundamental, bottommost level; there can be nothing lower, but for Potential, for it is made of itself. It is what it is, as in “I am what I am”. Those who refer to IT or Potential as the Ground of (all) Determination (G.O.D., not GOD) are right, but they err if they take it any further by thinking of it as a person, being, alien, or superbeing, and, by doing so, ascribe personality, temperament, and such to it, for that would require even more composite and complex qualities than we have as people—aye, far from fundamental and absolute. Yes, of course, there may be higher beings, but they would not be fundamental and absolute at all, but composite, like us, and, as such, would not be the Ultimate, the Absolute, or the Energy, and they would certainly not be their own cause, being fully dependent on, and existing after the Ground of Our Ultimate Reality, or Energy via Potential, being just as good or bad as hu-

mans, really, unless way more advanced, the current Gods of myth being not good role models at all, their intellectual and emotional systems necessarily composite, like ours, it would seem, from their tantrums and violence and genocide and shame and blame and low self-esteem, having brain chemicals. They may even be worse than us, for we even go so far as to make excuses for our Gods’ insane behavior such as saying “He works in mysterious ways”, but, anyway, that is a topic for another essay: “Why Have a Non Role Model as a Leader That No One Would Ever Imitate”?

Anyway, this Energy is a simple thing, being such a fundamentally low building block, but this does not preclude the possibly of it being very close at hand in its basic and fundamental non-composite form. It could be conscious awareness itself, as it is similar to what moves the universe through electromagnetism, light, and heat, and seeming to move the same in us, as well as giving rise to all of the elementary particles and forces.

We learn from physics that everything in the universe seems to be connected, entangled, with everything else, especially at this basic level of energy. For example, in photon pairs that are created and become separated by distances far larger than the speed of light could traverse, either photon “snaps to”, in an instant, when the other photon is randomly polarized, changing its own polari-



zation to match it precisely. It is as if the two distant photons are still the same particle in some higher dimension, or that they remain connected in some way forever. Well, it has been said that when an electron vibrates, the universe rumbles!

This connection of everything to everything may provide some rudimentary perception in and of itself that is tapped into by the subconscious. We might even define Energy as being Awareness itself. This is made ever more plausible by the fact that Energy does indeed give rise to all that we know, to all mind and consciousness, as well as to all 'matter', quotes used because matter may turn out just to be swirling energy that gives the appearance of solidity.

Could it be that everything is really globally connected in some higher dimension, although still as real as could be, but projected in our 3 dimensions by our brains, the extra dimension being something like all possibilities existing at once, in superposition, just as in the quantum world, like a hologram, only with more oomph. After all, consciousness seems hard to spatially locate, and it does work so well in its instant global type manner, seeming to collapse all possible scenarios of consequences of possible actions into just one resultant thought-action, much like what happens in the quantum world that is the root of all our reality, in which objective reality does not exist, just

the probability of all possibilities of the collapse of the wave function into an event.

This Awareness/Energy could be the "be" in being; thus, we would be free to be, but not totally to do, for our thoughts are known to be the forced end result of a countless multitude of influences, many of which we are not even consciously aware of. Can you will that which does the willing? Oops, a surprise thought just came, out of the blue? Did you will it? No! It arose from countless influences, thus, the will is mostly unfree, although we seem to have a last second veto power over it, called "free won't", such as in vetoing "I would like to kill that person who cut me off in traffic!" Usually, but not always, we veto those types of obviously bad or forbidden thoughts, but, how many less obvious ones slip through, unvetoes? Oh, our human nature is like a glass filled to the brim with liquid temptations of which we are not supposed to ever spill a drop. And, of course, we may learn things today that will cause us to make different decisions tomorrow, so, decisions can change, but, be careful what you learn, for it becomes you. Learning is a rewiring of the brain and can readily become permanent.

Awareness, in its local, to us, version, while we are alive, seems to only be able to observe the self, actually only that part of the self that is on display as the contents of the mind at any given moment;

"on your mind", as they say. This awareness, intimately known and referred to by us as 'I' (Capital 'I' in single quotes), or even the soul, by many, is the part of us that is free to be, for it cannot act (do), but can only observe. It is the audience, the witness. If you doubt it and think that awareness can indeed act or do, then there would still be the problem of who or what higher "awareness" observes that action! We are all familiar with 'I', almost taking it for granted, for we note not the sea in which we "see". When 'I' looks at the contents of the mind, note that 'I' is not itself the contents of the mind; yes, we often confuse what's floating in the stream of consciousness—objects of thought—with the water itself—awareness. It is famously said that 'I am not this body... 'I am not even this thought, nor the contents of the mind, for 'I am a part of space-time itself; 'I am Energy itself? 'I am made of the fundamental stuff? 'I am not an object. 'I am the universal subject. I am the Cosmos. However, being subjects only, all 'I's are interchangeable, and, as such, are more a part of space-time, than of us as individuals, our total uniqueness of personhood being formed at birth and lost at death, although the soul may live on, sort of, in an unperceptive immortality, for it was always part of the Cosmos to begin with.

Indeed, it seems that Awareness would have little or nothing to do if there were not something for it

to be aware of, and, so, of course, there is much to be aware of while we live our lives, although one can certainly realize pure awareness, by going into the selfless meditative state of pure being, by removing all of one's thoughts, except, perhaps, "I am", but, then, after we die, I'm afraid that would be the end of any unique personal identity, although, you may be happy to know, your awareness would ever endure in rejoining—it never left—the eternal substance at large in the Cosmos in its immortal, but non-perceiving reality. What's to see without the brain's sense collection and memories? And ditto for the time before we as born. What was my soul doing for an eternity before I was born? Not much. What will it do after I die, with no mind, no brain, no memories, no senses, no feelings? Not much. Well, perhaps I can still still save the soul with my last ditch efforts herein, but, as you see, not much is left of it, and it has practically no value beyond its pure being, with no thoughts, but, maybe that's not so bad, as in meditation, when we totally escape all of this existence by making all thoughts of it go away. It calms us, via nothing happening.

So it is, it seems, that the Cosmos itself comes alive in us, and in any higher beings, too, if they exist, but surely not as we've invented them, mostly in our own image. Mind and matter are really the two opposite sides of the same coin of



Information, awareness providing the ultimate glimpse of cosmic information from the inside, and matter providing it from the outside, especially in quantum physics, although in a limited way, as when Mother Nature slips up and reveals her true and counterintuitive self, as in her non-locality, in which an electron goes from here to there without ever being present in-between, or when one photon goes through both slits (parallel universes?), as a wave, unless we try to check which slit it went through, in which case it only goes through one, as a particle, in her non-objective reality at the sub-atomic level, where all possible and potential realities exist all at once, in superposition, until one emerges into our reality. Indeed, minds, too, seem to sense in another dimension, trying out new ideas through ideas and consequences, collapsing possibilities into the one reality that we "choose". Consciousness could be the mysterious agent which focuses the spread out quantum "object's" waves of existence so we can observe them at one place as the objects of thought.

As for our accepted version reality, it exists in its usual form only in the brain's simulation model of reality, the VERY SAME model employed in our night dreams, when the model is driven only by noise, static, and memory, but in a stunning and realistic virtual reality that is usually indistinguish-

able from real waking reality, at its best, aside from lucid dreaming, in which one realizes s/he is having a dream. Yes, all we ever "see" are the insides of our heads, our reality referred back out whence the waves, vibrations, or fields may have come from, and probably did come from, in our wide-awake dream that comes from real external input if we are not asleep and dreaming, although its ultimate source may be extra dimensional. We see colors, like red, let's say, but there are no colors out there, really, just differing frequencies of light waves and reflective properties of surfaces. The same is true with sound waves. All inner reality is fabricated by the brain, as we can tell by still feeling the texture of a surface by scratching it by a pencil; it is referred to the end of the pencil, even though we have no sense organs way out there, although, hopefully fabricated in a way that is useful to us, as when the wings of a hang glider are felt as an actual extension of the arms. Yes, reality is painted with the forms that we are made to see, but, what's really out there? We'll never know. Even the brain's processing time, speedy as it seems, is hidden from us, our consciousness itself being referred back in time a bit, like the tape-delay used by live TV shows. Witness the four-way taste vector of bitter, salt, sweet, and sour or the three-way red/green/blue color protein cones of rotation in the retina that determine which color is being seen, even the ten plus vector of facial rec-

ognition. As for time itself, we only experience it and its apparent rate as a succession of events appearing over the horizon of consciousness, this succession of frames exposing our living film into an illusion of fluid motion. We are much like robots? Are we robots? We are robots. Robots trying to figure ourselves out.

Are we free to will that which does the willing? Of course not. No way. All thoughts, even those apparently coming in from "out of the blue", are determined by our memories, associations, learned behaviors, hormones, mood-regulating neurotransmitters like serotonin, and countless influences right up to the instant, with perhaps some tiebreakers or a little flexibility for choice among equals thrown in. Does this make us robots. Of course! There is no real way for us not to be robots, even if we somehow arranged to make all our decisions randomly, which would be useless. However, I realize that some of you believe in free will, since your religion says that you must! Haha! But the irony of this, aside from the joke of it, is that you can exercise this supposed free will without penalty only if it agrees with God's will. Anyway, that jibe aside, it does actually feel like we have free will power, although it is really "free won't" power, isn't it, which, too, is fixed, and it does take some of the magic out of, say, love's meaning, to learn that it is really bonding hor-

mones that create and hold our attraction to certain members of the opposite sex, pheromones us into lust, love, and relationships that are spurred ever onward by the love-made endorphins, the natural opiates that our brains create in order to keep us doing pleasurable things. Well, we always sort of suspected that there could be chemistry between people, didn't we! Dopamine lights up our interest on new things to get us to focus attention on novel situations, even boring ones, but not boring at first sight, like something so simple as the remodeling of a building. As for novelty interest, we chalk it up to the thing being new, not realizing that we are forced to take an interest in it. And, the clincher, if you still don't believe that you are a robot, is that your consciousness is the last to be informed of your brain's results, a full three hundred milliseconds AFTER the brain has subconsciously completed its analysis, although there is still time for a veto, "free won't", but that does as it must, as well. Again, don't feel bad, for how else could it be, really? But, somehow, your knowing this secret can make you just a little bit less robotic. How? Just let your evil or conditioned responses and/or problems sail on by, without your acting on them instantly and impulsively, and, in this space that you've just created, this distance between you and your conditioned response which perhaps never existed before, you can perhaps accomplish a much more



creative solution, than say, yelling. Yes, I know, it allows but a small amount of "free will" but it's more than you had before and can turn a hell of a life into Heaven. Perhaps you could even will away something like jealousy, but that's a tough one, since it is deeply forced upon us from ancient times.

So-called first-level people merely have beliefs and desires, period, robotically and dutifully attending to them, as they fall hook, line, and sinker for their very own thoughts, even ascribing more importance to them if the thoughts obsessively persist and loop and reoccur, but, second-level people have beliefs and desires about their beliefs and desires, and thus can become able spectators of themselves, learning when to ignore their very own thoughts. Of course, by now you realize that many of our impulses were put there by natural selection and evolution, not necessarily a bad thing in the universal sense. Is it really your own brilliant idea when you automatically decide to have so many children? Or did natural selection put the desire there, but not tell you that you might have to give up your whole life to raise them, often a difficult task. For sure, many of our impulses and aversive behaviors are certainly no longer useful to us in the specific sense. Negative feedback mechanisms in our central nervous systems, in particular, continue to send out thousands-of-

years-old messages. Fight or fly! How easily these emotionally primitive messages lead to most of our problems, cravings, and addictions. Perhaps this type of knowledge should be the most often taught course in elementary school and high school. How can we even live with such barbaric emotions and diseases of the mind that occur now and then, even in normal people?

As for blaming evil on outside influences, the devil does not whisper to you, but low serotonin does, affecting mood, always for the bad, and, in the long term, causes mental illnesses. Forbidden thoughts are normal and sane, even when we're totally healthy in body and mind. They can be vetoed when all else is well. Low levels of the mood-regulating neurotransmitter, serotonin, can lead not only to anxiety, depression, and persistence of thought (obsession), but also to anger, hostility, violence, and, with a low standing heart rate, inducing fearlessness, to crime. Low serotonin can be the result of genetics, stress, or lack of exercise, but not the devil, although the church thinks so, but then again 500 years ago the church thought that evil spirits caused body illnesses that now we know are caused by bacteria and viruses. You don't believe that low serotonin causes problems? Are you not irritated at things when you're under stress, things that never would have bothered you otherwise? Why do you kick the cat or the dog for

the same noise that was OK and cute last week? Well, the brain, when irritable, associates the irritability with the most recent happening. Drinking alcohol is a doomed attempt at self-medication, raising serotonin evils in the short run, but sending them plummeting in the long run. Paxil or Prozac may work fine, as can behavior modification and cognitive therapy. As for emotions in general, the mind is rather weak in fighting off emotions since they have a separate and direct pathway into consciousness, thus bypassing all of the rational brain areas. As you by now must suspect, your highly valued feelings and emotions are merely molecular events, and that they are sometimes meaningful and sometimes spurious, but, either way, they have a way of overwhelming any logic that you might manage to dredge up from any sanity. Emotions often take sole control, obliterating logic completely. This non-coordination of reason and emotion is probably all there is to tell, really, about all the miseries and follies of human history, the many great and "deep" theories of historians notwithstanding.

What to do about all these evolutionary relics? Well, to further reduce the evil thoughts mentioned before, meditation can help, for meditation is, as they say, "not what you think". Practice letting undesired thoughts just sail on by into oblivion. Then practice letting all your thoughts disap-

pear at will, and, while you're there, you might as well intuit the ultimate reality, by becoming it. Then, next time a "false" crisis arises, you will know how to instantly quiet your mind. Soon life becomes euphoric as you reach the higher modes of being, true paradise being simply an attainable state of mind. You will become fully present for the moment, enjoying life completely, as regrets of the past and fears of the future fade away into meaninglessness. You are fully alive; you are in the zone, in the now, where you cannot miss, where everything you touch turns to gold, the world looking like one big wish. You have reached the Treasure House, instead of stumbling outside in the dark over trifles. Sounds good, but you cannot claim to KNOW it unless you DO it! So, do it. Is there any real choice? No. Will people just read this essay and then put it aside? Yes.

What a world! Our universe is the ultimate free lunch, our Earth an oasis in space provided for us by Father Time, Mother Nature, and guiding stars; so, then, enjoy it, for you are the Cosmos and there is nothing more. Nothing. Consciousness is all there is. As for our Earth, all is as it should be, even with creatures like bacteria or worms which do both good and bad things. No bacteria or worms, no earth, for what else would aerate and ferment 400 tons of soil each day?



Now, for the final matter (and mind) of consciousness. Many have tried to dissect it, confine it, reduce it to something else, but, it remains fairly intractable. I suggest that it is irreducible just because it is so fundamental, at least in capability, for it comes last, not first, and, thus, cannot be explained in terms of more basic entities, nor can it be located since it seems to lie beyond our spatial dimensions. It is as if the intrinsic properties underlying physical dispositions are themselves experiential properties of a hidden dimension, and permeate everything that there is, both mind and matter. Consciousness would then—no surprise—be much like or close to our fabled Energy—all that there is or ever will be between heaven and earth. Experience is perhaps a fundamental property of the universe. Materialism's inability to explain how mind could arise from supposedly inert and non-experiential matter stems from its faulty premise, for matter could be experiential in and of itself. Dualism, with its supposed interaction between that stuff which has a mind (nonphysical) and that stuff which is mindless (physical) rules out any interaction by its very own definition; there would be a violation of the conservation of energy. One course remains: experience is part and parcel of all mind and matter, and is, or is close to, the eternal substance itself.

Well, by now exceeding even the capabilities of quantum physics, once so promising, and, with nowhere else to go, we must delve straight into the pure and intrinsic visions of mysticism and meditation, for, it seems that Awareness is an intrinsic path to information from the inside, being the essence of, if not, the eternal substance itself in its spiritual (gaseous) state, and that the ethereal matter (frozen) state of quantum physics is but an extrinsic path, now at its limit, to information from the outside. Physics, once clear, becomes more and more full of fog and dust at its limits, as meditation, once a foggy notion, becomes the light. But, beware, as well, that the being at one with the Cosmos, as meditation provides, and the dissolution of self that it provides as well, may well just be a neurological effect of the quieting of the brain areas, during meditation, which tell where you end and the universe begins, and what is the self, for the self may not exist without experiences if it is experiences which give rise to the self, rather than the self having experiences. But, we need some straws to grasp, for now.

So, in conclusion, mind and matter are made of the same Stuff, being just different tokens of the same type, each "sentient" and made of the eternal substance. Mind experiences the present mattering moment, and matter records the minded past from the mind. In other words, Present Mind

and Past Matter combine the frames of the film of Space and Time that lives and plays in us as Consciousness, Mind taking Space and Matter doing Time, yet, both derive from the Eternal Substance, Space-Time itself, wherein the buck must stop, where fleas don't have smaller fleas, whence lies Experiential Being itself, for Life's great riddle of the Oneness of Mind Stuff and Brain matter is that Mind really Matters, Matter ever Minds.

### The Many Paths to the Theory of Everything (TOE)

We are curious humans residing in the universe in the middle of nowhere and wish to know how everything works and what is its basis in a way that leaves no mystery.

What are we? We seem to be organisms that are both conscious and animated somehow through an assembly from matter via DNA encrypted information.

Something does exist. Our conscious experience tells us that our consciousness exists, that our body seems to exist, and that objects seem to exist. Consciousness is our only portal to observe all that exists.

We feel that the objects observed via our consciousness, whether real, interpreted, or projected, must come from some ultimate basis of reality. Could there be more than one ultimate basis of reality? I suppose, unless simplicity is constrained to be just one thing. Who knows?



—> Thus, something exists.

We wish to explain this ultimate reality and understand it completely, along with any of the stages between it and the objects that we observe. We wish to know not only how the universe came to be and what it's made of, but why, where from, and how it came to be... until we know everything all the way down and all the way up.

That which is all the way down may be a very simple thing, like an extremely small vibrating superstring or a sea of energy and so may not be all that interesting in and of itself, but we still wish to know what it is. Why do these things seem to be so darn small as to be almost out of reach? Well, that might be the only way that everything can be built from it. If it were larger then it would perhaps be unwieldy and it might be difficult for it to consist of only itself.

—> The ultimate basis of reality seems to exist on a minuscule scale.

The higher composites that come from the basis of ultimate reality take on a life of their own, as collectives, such as water, coming from hydrogen and oxygen, life, from cells and DNA encoding, or bonding hormones “pheromoning” into love, and seem much more interesting at that level, but we still wish to know what is the ultimate basis of reality beneath it all.

—> Ultimate Reality is simple and not necessarily interesting; composites formed from it and so forth are complex and interesting.

So, what are the possible paths to the Theory of Everything?

Did the ultimate basis of everything come from nothing? This is impossible, for by definition, no thing can come from nothing, and, furthermore, the ultimate basis would no longer be the ultimate and the “nothing” wouldn't have really been a nothing in the first place, but more like a sea of quantum foam or some potential. So, since there could have been no creation out of nothing, the ultimate basis must have been around forever. If there is truly no such thing as time, it would be said instead that the basis IS, rather than IS NOT or that it exists rather than it does not. By defini-

tion, there can be no derivation of that which existed forever, but we can still get satisfaction by finding out how it forms everything that comes of it. The only kicker is that there is literally nothing to make anything of, so it must play a role, somehow, and we do observe a balance of opposites.

—> The ultimate basis of everything existed forever, yet there is nothing to make it of.

The above implies that a total state of nothing is impossible, for nothing would ever have come of it, thus we are spared somewhat from wondering about the horrendous question of why there is something rather than nothing and also how the ultimate basis could have always ever been around. Now we can concentrate on what the ultimate basis is and how it forms everything. It is as if ‘nothing’ is perfectly unstable, always producing something.

—> A state of nothingness is impossible. It cannot be, nor could it stay as such, and it exists nowhere.

The ultimate basis of reality is made only of itself and cannot be separated into pieces, for then those pieces would be the basis. It is undifferentiated. Nor can it be created, for there is nothing lower to make it out of. But, remember, it may not just be one thing; it could be two separate things, a duality, a kind of balance of opposites.

—> The ultimate basis of reality is indestructible.

—> The amount of whatever is the ultimate basis of reality cannot be increased or decreased; whatever of it exists is all that ever existed and all that will ever exist. The exception would be that it could vary if it total always summed to zero.

Is consciousness the only thing that exists? Who knows, but, if so, then all objects that we observe are made from it and don't really exist in themselves, but are projected by consciousness, so then what is the ultimate basis, if any, behind consciousness? If any, then how does it work? We wouldn't know, but we can work on the next best thing, that is, what if consciousness itself is the ultimate basis. Then we would be done, but not



enough is known about consciousness to say right now.

We don't even know what consciousness is, but it seems that it would need a mechanism even if it projected everything, and thus would not be fundamental, plus it seems to be a subject that observes object, so how could it perform both functions? Not to mention that it only appears in conjunction with a real brain, for what sense would there be in consciousness projecting an illusion of a brain and the universe and all of the intricate interactions therein?

Robert Lanza suggests that quantum superposition occurs even at the macro level, and that reality totally disappears when we are not looking, that is, it is not churning away or proceeding in any way, but resumes as such we look again, somewhat like a DVD skipping ahead. Is this determinism's recorded script or does the DVD have infinite alternative tracks to switch to? There is also the matter of what constitutes the DVD. For now, this is all speculation and we can't go much further.

If consciousness were all that is, then all reality is constructed from it, for there would be nothing else out there but it. Even bodies and brains would be made of it. "We" would be like localized lumps of consciousness in this all-pervading field of experience, and gain our individuality, but the spaces among us would be consciously experiential and still maintain reality as we know it and left it, with progression.

Well, what's so hard about all that? Nothing, for our night dreams do it for us every night, and we would swear it's reality, except when we are lucid, and even then, upon inspecting it minutely observe that it is identical to waking reality, although not always as stable.

This is what our dreams tell us right under our nose: that reality is modeled the same exact way as when we're awake. Or perhaps it is that there's no model, that it is just there as it is. It's not the dream content that's so revealing, it's that we can have dreams and probably must have them, what with all that consciousness underling dispositions formerly thought of as physical.

What keeps waking reality intact when we're not attending to it? Well, it must be everyone's collective consciousness that collects together in the spaces between us.

So, there are no atoms, molecules, waves, interference patterns, forces or any kind of other stuff out there, but for experiential stuff. We are living a stable dream.

How is everything maintained in this all-over consciousness field? Well, our experiments on "reality" seem to show that everything is connected to everything as entanglement, and so that's what produces the "perception" of consciousness.

We are the Cosmos. We are it. There is nothing more to it. As somebody once said, "I was an atheist until I realized I was God."

Soon we may grow to the point where our group consciousness can do more than just cause the fall of communism all over the world, but may do things like mind-melding and/or reading of other's minds.

Again, all this is rather fanciful, and although it may be true, it's hard to go further with it.

—> Let's assume that organisms, with brains and bodies, are real, as well as consciousness, in order to avoid "silliness" or having consciousness become too complex to be the simplicity of ultimate reality.

We have concluded that consciousness needs a brain nearby, and that it actually comes from the brain, or that it is part of the brain; it could be a higher part of the brain that perceives the rest of the brain, a sixth sense, or a process. It still might be that consciousness is still very special in that it is the only thing that allows observation of objects. But, no matter, for either they are one and the same or must operate in tandem.

—> Consciousness is a physical process associated with the brain.

Can consciousness and the brain or both, if they are the same, produce local reality by projecting what we observe? Well, it already does in some



cases such as night dreams, schizophrenic visions, and hallucinations, which is really quite astounding when you think about it, a sometimes perfect virtual reality that tests absolutely real, but could it go so far as projecting our normal agreed-on reality to all, albeit the exact same reality to all of us, as if the projected reality really were real?

It still doesn't make sense, however, for if the organism is real and made of matter, then why couldn't everything else be real and made of matter as well? I can only suppose that it might be more efficient somehow for nature, but I have to vote against it since there could be many organisms of matter throughout the universe and I don't think matter is in that short of supply.

—> Let's assume that the consciousness/brain combo does not just make up perceived reality by projecting it, and that perceived objects are really out there in some way.

If objects are really out there in some way, are they really really right there, just as they are, or are they really real somewhere else, again perhaps due to nature's efficiency, and just appear to be

here, and continue to be as practically useful as if they were in every way?

Suppose first that they're really out there. Do we observe them directly? No, for the brain translates them to fabricate a more useful reality for us. Sound waves that we are sensitive to, as air vibrations, become sound, light waves that we are sensitive to become colored images of vision, molecule shapes that our noses have receptors for become smells, substances that get to our bitter, sweet, sour, and salt tongue areas produce taste according to their varying degrees, and matter that touches our nerves causes the feeling of touch. Sure, the brain re-presents reality, but it is a way that is useful to us, and we have no reason to suppose that any real trickery is going on.

(At this point in the essay, we're still investigating objects that are really out there.)

Is matter solid or just some swirling waves? It doesn't matter, for it is still there and we can try to probe it. We have so far gotten down to electrons, quark jets, and photons and such. What do they consist of? Some say standing waves; some

say they come from vibrations of superstrings. Do we care if they pop in and out of our existence, as subatomic particles seem to do, whether from possibilities of potentiality or from the implicate order? We sure do, for although quarks and/or superstrings exist for us and are made of matter, the place that they pop in and out of would then be more fundamental than they are. Perhaps all they can do, by some limitation, is pop in and out. Fortunately, many scientific TOE forums take care of further analysis from here.

—> If objects are really out there in some way, then there must be some ultimate and causeless basis of them, which is made only of itself, out of which all higher composite entities are formed. What is it? Research continues.

(At this point in the essay, we'll be investigating objects that are not at all out there right there.)

Suppose that objects are not really out there, but are real somewhere else, being projected there for efficiency. Well, we draw many of the same conclusions as for when objects are really out there, that is, that there is an ultimate basis, but one that is

somewhat harder to get at, and that we are perhaps probing illusions and wasting our time to some degree. If so, we still have to probe the illusion to see if it is one or not, but remember that what is behind the illusion is what is ultimately real.

Could it be that only our third dimension is projected as an illusion? The entropy of a black hole seems to depend only on the surface area of the event horizon of the black hole, not on its volume. So why does our third dimension play no role? Because if everything seen comes from the interference patterns of a 3D hologram, it would be projected from a 2D surface somewhere. Everything is connected to everything, in a hologram, the same as is indicated by quantum entanglement. Does this facilitate our perception of our local reality? Is this everything interpenetrating everything a form of rudimentary perception in and of itself? Are our abilities to have virtual realities in night dreams telling us something profound about how reality works or are night dreams just a isolated product of our imaginations and memories to give us some practice in living and-or to sort out the day's events?



—> If the 3rd dimension is projected, as in a hologram, then life still goes on as if it weren't, but we do need to find the projection room.

Are all of our dimensions projected? I suppose this would be like the probabilities of possibilities blooming into reality. Even possibilities like those of superposition in the quantum world would still be a the real ultimate basis of reality, but it's rather hard to look behind the veil at the quantum wave function of the ultimate basis of reality.

So, in conclusion, which I know has come all too soon, knowing only what we can know at this point, the ultimate basis of reality operates at the smallest scale possible; it is indestructible and is/was around forever; it is made only of itself; it had to be like it is—the simplest. Some or all of our local reality is fabricated in a useful way from what is really out there. If there is such as thing as superimposed probabilities of possibilities, then that is the ultimate basis of reality, albeit not what we're used to as real. All of the complex wonders of the universe, as well as the universe's birth itself, if any, came of the ultimate basis of reality. It is the ultimate free lunch. The causeless appear to be indefinite, there being nothing prior to give it any design or direction.

We can go deeper, but then must rely more on thoughts and less on what is known, but, who knows, perhaps some things can be derived about the fundamental.

How come the specific and particular state of whatever is fundamental, be it one thing or more than one, lets the universe function so well, at least in our case 13 billions years later?

Was it just a lucky arrangement among many that were tried and failed over near eternities?

If we were lucky above, did our chances increase by there being more than one fundamental or universe?

If there had been only one fundamental could it still have had, somehow, the versatility to generate everything?

If not, then is unification to one fundamental impossible? Was it the only arrangement possible due to some constraints at some deep level? Did our possibility in superposition get chosen by some Fundamental Potential as the most probable among many, again over near eternities of brute force trial and error?

As in the above, but did the most probable come about because it was the most workable as some-

how seen ahead or known all-at-once, similar to the quantum world?

#### High Quality Virtual Reality—For Free

No need to go off to a multimedia arcade, spending a fortune on a virtual reality helmet, gloves, and wires to experience time- and space-limited holoscenes of cartoon-level quality; there is a free method of not only viewing high quality virtual reality but also of movie-scripting all the scenes, scenery, and character actions instantaneously.

Do we need a Cray mainframe computer or a Hollywood studio to do it? No, it's free and simple, and you can do it everyday, enjoying high quality graphics that are indistinguishable from reality, with deep emotions thrown in to boot:

As I lay down to sleep, I sent the following message on ahead to my dream-self, etching it into the sands of unconsciousness by repeating it over and over hundreds of times: "It is only a dream—so be aware, enjoy it, control it."

Sleep's drowsy circles drew ever closer, soon closing to a point through which I emerged on the other side. Deeper waves of slumber rose and fell across the sands, eroding the directives written there. And yet, as I started to dream, some faint

echoing thought of that message from heretofore still rang as a dim chime, and, so reminded, I became aware that I was dreaming, and that I could enjoy it, even control it.

The insight was unbelievable at first, but it helped that I was flying 10 feet off of the ground, and therefore my disbelief soon surrendered to a knowing amazement. I inspected the dream, being careful not to become so alert that it would cause my waking. The colors were true and glorious, 24 bit color, at least; all was so clear—nothing was hazy, as is a dream's remembrance; all the players acted in character, one even telling funny jokes, and another dancing, which I am not good at. Best of all, my emotions were still felt deeply, for I still felt that I was really living through it, even though I knew it was a dream. I picked up a book once in my dreams, although the images were reversed, so, totally in control, I conjured up a mirror, reflected the words, and read a most astounding book, but, the nagging question is: *Who wrote it?*

#### The Greatest Magic of All

We can have something for nothing—how about the entire universe; who said there is no free lunch! The universe did not always exist, because, for one, it is expanding, and, if we run the "film" backward, this points to a time when the universe



was a singularity. Amazingly, the universe was created from nothing! It was borrowed from the vacuum, a debt that will someday have to be repaid. Perhaps photons appeared first—and then there was light!

There are positive and negative energies which we now know can appear from nothing, like virtual particles, which can later recombine back into nothing. Thus, either positive or negative energy, if separated long enough and far enough from its opposite and significant other, could form a universe. One theory is that gravity is a negative energy since it takes a positive force to keep objects from being drawn toward each other. Positive energy may be embodied in matter. Someday, trillions of years from now, gravity could slow down the expanding universe, eventually bringing the expansion to a halt, and then cause the universe to contract back into nothing, then poof! It's all gone. (Except, perhaps, the photons.) Lately, though, the universe's expansion is accelerating, and so it could all disperse.

Or, if this doesn't happen, there's another final way to settle Nature's account. Due to quantum mechanics, protons may decay, after something like  $2 \times 10^{30}$  years or so, into photons (massless light particles), and positrons, which, after eventually meeting all of the electrons—for there are an equal number of electrons and protons in the uni-

verse, cancels out everything but the photons, leaving nothing but light. What about neutrons? Well, they decay into protons and electrons, and so they will also amount to nothing some day. Only photons will remain; all that we knew and loved is gone in a flash! Then the photons, too, are gone, somehow.

It's the ultimate magician's trick: start with nothing; divide it into plus and minus; utilize each portion separately, being careful not to mix them, and, when done, recombine the parts back into nothing. Meanwhile, between the two parentheses of nothings, here we are!

### The Unmanifest

1. A black hole removes material from our universe and delivers it quite beyond, into the unmanifest realm.
2. A magnetic field is an immaterial field but it can move a piece of iron. The brain is moved by the mind and vice-versa. Is the mind moved by quantum fields of the unmanifest realm? Is Awareness (the soul) a universal subject experiencing what comes to mind?
3. Time and space are interchangeable at the quantum level; there is no objective reality there what-

soever. All potentials exist in superposition until the collapse of the wave-function brings one potential into reality.

4. Anything approaching a black hole's event horizon seems to take forever to go in as time slows down and it becomes more massive, but, at the same time, it also goes right in. Both situations are right, simultaneously.

5. DNA somehow precisely foresees the timing of the sequence of development of all our organs from cells.

6. The mind can move away from the brain and towards the soul of awareness by removing all of its thoughts.

7. The Quantum Realm is the source of Material Reality, but a Virtual Realm may be the source of the Quantum; however, we are once removed from knowing this.

### Sub-Atomic Reality

Ever wonder what "reality" is really like at the sub-atomic level? Well, it's quite strange and counter-intuitive, and it even hints of extra (or less) dimensions. Also, consciousness seems to be primary to, and "larger than", matter itself.

Electrons have no trajectory, that is, they do not have a specific position and momentum at the same time; thus, they have no objective reality, whatsoever, as we know it. They don't commit themselves to reality until we observe them, or interact with something; yes, the observer is not independent, as we would think, but, amazingly, since it is a form of interaction, creates reality through observation. The electron indeed then has a position (particle-like), if we chose to measure it that way, or, if we chose, a momentum (wavelike), but not both at the same time; yet, we can never know where the electron was just before an observation.

When electrons are in their limbo of superposition, they exist in another dimension, which, to us would make it seem like they are everywhere and nowhere. An electron's probability wave, like a crime wave, indicates only where it might be found. Electrons and photons have but a "fuzzy" reality until we collapse their probability wave by observing them with our consciousness, or if they interact with something else. The observed and the observer are intimately related. Dimensional doorways may also explain how particle polarities, for example, can still correlate at great distances well beyond the reach of the speed of light; it's as if magicians on Earth and in Andromeda could each pull out a King of Spades from their card



decks at the same time. So perhaps the two particles are still the same particle at some deeper level of reality.

It seems that everything interpenetrates everything, as in a hologram. Perhaps this is why seeds can grow into trees from air and mud and sun, or embryos into babies; why memory works, why music seems to flow so smoothly, why . . .

### String M-Theory

A string (of string M-theory) is fundamental, being made only of itself, and, so, can neither be destroyed nor created, for a string has no pieces to be broken into or to be made out of; thus, strings have always been, and always will be, Eternal and Absolute. The various vibrational patterns of a string give rise to all of the different masses and force charges and, so, everything, material and mental, is made of strings; thus, strings are the All and the One, but, they remain simple, being non-composite, although omnipresent and the Ground of Determination (G.O.D.), upon which all composite persons and superior creatures must depend. The energy of strings grants us our being so that we may observe our doings, as the ground as to the figure, the essence of our existence, the universal subject ('I') that experiences objects, Awareness being the sea in which we see, the very water

of the stream of consciousness; oh, thou immortal soul, you are saved at last, but unperceptive without a brain.

0. A string is a Plank-length extended substance that is made only of itself in this 10-dimensional universe (7 dimensions of which are tightly curled up). Everything, all mind and matter, is made of strings (or p-branes).

1. The different vibrational patterns of a fundamental string give rise to all of the different masses and force charges we know (some superpartners are too big to find yet ).

2. In 3 (or fewer) dimensions, two wrapped (around the curled-up dimensions) strings will likely collide, half of which will be sting/antistring annihilations which lessen the usual dimensional constriction, allowing 3 of the dimensions to continue to expand and become the normal (uncurled up) 3-D space that we reside in.

3. Light does not get old. There is no passage of time at light speed. A photon that emerged from the big bang is the same age today as it was then, for, at light speed (the max) there is no motion left to travel through time.

4. Mass grips space by telling it how to curve; space grips mass by telling it how to move. (Yin and Yang)

5. Perhaps the String is to Awareness as the Quantum is to the Mind and the Atom is to the Brain? (Aware=Soul)

### Reality

Absolute Reality is scentless, soundless, and colorless; however, our sense organs can detect air vibrations (sounds), molecule shapes (scents), light wavelengths (colors), and, of course, much more. So, what we see, hear, smell, taste, and feel is but an internal model of reality. All that one can ever really "see" (sense) is the inside of one's head! If you doubt it, witness your "senseless" night dreams, when the model is driven only by static, which the brain must still try to make sense of.

### The Secrets of the Universe

1. Thought depends on countless influences; therefore, you cannot will it.

2. You only see the inside of your head—the dreamlike simulation model.

3. Consciousness arrives 300 milliseconds after the brain has done its analysis!

4. We all DO what we must, however, we are, at the very least, free to BE.

5. The succession of events appearing over the horizon of consciousness grants the illusion of time passing, as well as its variable rate of passing.

6. Don't sleep through your dreams, for, you can direct this virtual reality!

7. Love and lust are nothing but bonding hormones, phero-moaning away!

8. Mental ills stem from the unrelenting persistence of thought (OCD-like).

9. Meditation is not what you think! Unthink and know the ultimate reality!

10. To gain a modicum of free will, avoid that same old robot response, and, in that newly



opened space, otherwise not even there, get more creative!

11. You can't KNOW it unless you DO it! So, then, quit smoking and drinking!

12. To live life well, one must be fully present for each and every moment.

13. Mind, it matters; matter, ever mind! These are the two aspects of the ONE.

14. We note not the sea in which we "see". So, who is this 'I'? A Mind's "Eye"?

15. 'I' (Awareness) [only] observes the contents of/on the mind (the self).

16. 'I' am not this body . . . this mind/self . . . or even this very thought . . .

17. The universe is the ultimate free lunch; its conserved energies add to o!

18. Physics/consciousness is information coming in from the outside/inside.

19. The eternal substance is made only of itself; composites are built from it!

20. There is no objective reality at the sub-atomic level. Experience only?

21. Mirror neurons practice what you observe; therefore, they become you!

22. Emotion overwhelms logic, but, knowing this, can we ignore emotion?

23. Stop trying to change others, for, personality is genetically determined.

24. Consciousness is the Ground of all Determination, the G.O.D., the 'I'.

25. We share 99% of our DNA with the chimps; so, now, who is so great?

26. No time machines are possible; they would've been back here already!

27. Mind experiences the present Mattering moment, while Matter records the Minded past, i.e., Present Mind, Past Matter, combine the frames of Space and Time into the film that lives & plays in us as consciousness, Mind being Space and Matter being Time; they are different tokens, but the same type.

28. There can be no distinct unique enduring personal identity after death, for, we all share in the Ground of Existence: Space-Time Energy itself; however, we needn't die if we can prevent DNA damage during replication.

29. Useless feelings may someday be removed. Then we'll always be "in the zone"!

30. We'll be able to build everything that we need, atom by atom.

### Reality's Rainbow

I get the feeling that our perceived reality is a tertiary or secondary reality because...

1) Mind/consciousness, our only portal to "reality", interprets waves/particles or interference patterns or fields in representative ways such as change, color, form, odour, taste, feel, space, and time (via the same model used in our night dreams), time being the rate at which experience crosses the horizon of mind-consciousness. It's not the interpretation of reality that's insightful, although it's amazing, but that the above qualities produced by mind-consciousness may not exist at the fundamental level.

2) Our reality disappears into black holes and also seems not to exist within the Planck distance (perhaps they are connected to recycle matter) and so there seems to be a deeper reality in those places (or it is an effect of (1)).

3) Our so-called fundamental particles may be vibrations of a superstring or some underlying emanation from somewhere else.

4) It seems odd that a particular form of what we think is fundamental, say, for sake of argument, a superstring, happens to work all the way up through stars, matter, planets, suitable environments, and on up to us and our mind-consciousness over billions of years instead of some arbitrary fundamental that had no future whatsoever. Perhaps we are just lucky or perhaps life in another form still would have sprung out of a different fundamental.

Now, as an aside, there could be extremely intelligent alien life forms that could now or someday manipulate us and our reality, although no super life forms are at all apparent now, but no matter, for I am searching for the ultimate simplicity that underlies reality, not some composite complexity that might oversee it.

By the way, I feel that there is indeed nearly unlimited potential in our future (or some other planet's if we don't make it) and that the complex composites are where all the astounding action is and will be, but I'm just wondering what started it all down at the lowest level.



There was no beginning of the fundamental and there is no end to it in our time terminology because there is perhaps no time at that level, but, it does exist rather than not, at any level, for it must do so, since a state of nothingness is apparently impossible given that there is something that our mind interprets.

The fundamental may be electrons/quarks or strings underlying them, or whatever underlies strings, but no matter, for the fundamental works quite well, either because it was the only way possible due to some constraint or because it was flexible enough, in a quantum-hinted way to try everything-all-at-once and produce a substance that worked all the way up. I am not suggesting that the fundamental is a system or has parts or has intelligence, for then it would not be fundamental and absolute, although its parts could be.

So, what I get out of all this is that here was no creation of the fundamental; a state of nothing is impossible (a truth known but not the why); it existed forever in our terminology of time; it is simplicity itself; its reality may be different than what we're used to as reality; perhaps it is spaceless timeless, and formless—something like the intuitive quantum world, in which all possibilities are in superposition, until the most probable ap-

pears into our reality; it might not be that amazing, for that is the price of simplicity, while the complexities built from it are much more interesting and are without apparent bounds. So perhaps everything in our local reality came from a 'nothing' (as it appears to us), called potential or possibility.

#### Pure Awareness

I've reached many mediative states in which the boundary of my self disappeared, when all my thoughts were gone, with only pure awareness left, and I was it, rather than even noting it or feeling it, for that is still reaching out, and meditation is really a taking in. After the self was gone, a further boundary of where I left off and the rest of the universe began was gone as well. It's a state that seems to refresh the mind and body. If thoughts run too fast at first, for the above meditation, perhaps due to some involuntary physiological reactions from life, even for someone who is patient, than it is best to first just let any and all thoughts pass by, as in a parade, without latching on to them in any way.

Time Magazine came out with an article in which Buddhist monks were measured in meditation, and certain brain areas to do with identification of the self and the body's boundaries began to show

much lower activity, and of course this was likely an expected neurological effect (the pure awareness) of removing all one's thoughts. Anyone could surely counter with "that's God's method".

One of my pet theories, although unprovable, was that the universe was made of pure awareness at the most fundamental level, everything being connected to everything, this fundamental level being one and the same with our consciousness or awareness, that which observes thoughts and feelings (figures) that surface on the mind at any given moment from the brain, and so therefore is the same for everyone, being the ground of all existence, and a subject only, never an object, although what they come to observe is very different.

I can't just claim it, though, or any of my other theories; that would just be arbitrary. Actually, more and more it seems that consciousness needs a brain nearby, but even if it didn't I don't think it would warrant a link to God. When something feels right or sounds right or was taught to me as the way, I can't just assume it. 500 years ago, many the spiritual thought that evil spirits caused physical ills, but it turned out to be viruses and bacteria.

Some of the spiritual of today think that mental ills of serious sins of abuse and all kinds of crimes

major and minor are caused by an evil spirit, but it's becoming clear that things like low serotonin, which is a "traffic cop" of emotions can reduce a person to very primitive behavior. Perhaps we are a part of the organic world, just as it seems.

So, anyway, anyone could claim X is true and that it is an unknowable supernatural happening. It is a tendency of people to do this throughout history, from the sun God to the invisible God in Heaven. It could be that the ultimate humility is to realize that we are "merely" electrochemical beings. Science at least tries to base its belief on an observable chain of events such as the fossil record, DNA blueprints, and experiments.

Yes, our potential is unlimited, but you know ahead of time I can't just say that "God-as-a-person" granted things or God wanted this or that, because he didn't make me privy to the workings of his intelligence, not would I know how such a system of parts that does wanting and granting could just appear fully formed or always have been around and not be dependent on these very parts. So, it still seems like God is a very large claim for primitive humans to make for a being so powerful and so far beyond.

I just found myself here on Earth, although I don't remember the first day, for I was very young at the time. I heard the majority's view of God that



came from my religion's and other's sworn testimony of divine inspiration, a type of vengeful God that some seem to not be for either, so, it is not a soiling to be against these types of superstitions.

"God", stripped of most of his usual connotations leaves something more like the Ground-of-Determination (G-O-D), although, again the acronym is full of confusion. For some, the "God" word is at least underloaded of all bad things, and is pure, but the battle is lost on most when they hear the word "God" and that one knows that God wants this or that, but please ignore the other theist's claims, such as in the bible or in what churches preach, for most think of him in terms of Heaven, Hell, adore me or get tortured, great rewards, etc., whether theist or atheist, for that is what was "revealed" by him (or her or it).

If the ground of all existence, being, and the universe's order is called "God", like Nobody suggests, it's just a confusing, overloading name for the underlying ground, which could just as well be a very simple and uninteresting thing, as complexity seems to be built from the bottom up, not top down.

If the universe is made of consciousness (God) and our conscious awareness comes of it and is one and the same with it, made in its image, as they say, then so be it, but I can't just declare it so

even if I neurologically seem to meet with it during meditation. At any rate, pure experientialness or consciousness could just very well be what it is, and nothing like the God we claim or not God at all, or a God-who-is-not-a-person—just the workings of everything, and surely no one has penetrated this as yet.

Still not sure of the need to explain design with a higher design and then suddenly dispense with any and all worries about design that were so needed in the first place, but everyone wants to neglect this kind of question, saying something like "it just is", the very thing they couldn't say about the universe in the first place.

### Does the Subconscious Mind Create Reality?

I've always liked to think about how the subconscious mind could create reality, and also about how consciousness works. I've been reading the "Journal of Consciousness" for years now, and not getting too far except to appreciate the wonders of it.

I see where it's proved that the subconscious can produce reality, such as in our night dreams, and I've come to realize that the same method for appearances is employed when we are awake, as well, but if I allow that something other than con-

sciousness is real, like the mind or the brain, then I start to figure that other biological things are real, too, so I don't know where to go from there.

Some say that consciousness needs a brain to tune it in or it comes from matter or that it is merely the brain perceiving itself:

Why should the wetness of water result  
From the mix of hydrogen, oxygen?  
How can cells, blood, heart,  
and nerves make life?  
It is just so. So does matter make mind.

Change the brain  
and consciousness changes, too.  
Take drugs and the emotions change, as well.  
Damage the brain and the mind's damaged, too.  
Consciousness emerges only from the brain.

The brain is the mind, and vice-versa,

So there is no need for the mind to turn  
The brain's water into wine, for there's  
No wine that's separate from the water.

Consciousness is emergent from the brain,  
But it is quite a unique phenomenon  
Could it be the brain perceiving itself,  
Something we might like to call the mind's 'I'?

Consciousness is a blended force being made  
Of mass, space, and time,  
and, therefore, requires  
No explanation—it just arises:  
Mind: it matters; matter: ever mind!

Subconscious trains of thought vie for attention,  
Dueling choirs competing for first place  
In the mind's 'I'—consciousness—to produce  
Future, for this is the task of a thought.



Consciousness mediates  
thoughts versus outcomes  
And is distributed all over the body  
From the nerve spindles to the spine to the brain,  
A way to actionize without moving.

Some think that consciousness is fundamental or  
that nature is made of it, all dispositions formerly  
thought of as physical really being experiential in  
nature.

Pain's not the same as the nerves that cause it,  
Yet, mind, apart, couldn't conserve energy.

It seems that info exists in two ways:  
Consciously and neurologically.

Consciousness is irreducible in terms  
Of basic entities, so, most likely,  
The intrinsic properties underlying

Physical dispositions are experiential!

The Midas-magic of our consciousness,  
That quantum alchemist of potential,  
Creates the Real from the Possible, for  
Everything it touches turns to matter!

Nature's made of occasions of experience  
Instantiated into consciousness,  
Even for electrons and lower life forms,  
'Though worms sense but a smudge of reality.

Some confuse consciousness with the contents:

In identifying consciousness,  
We often confuse what is floating in  
The stream of consciousness  
with the water itself;  
Such, we note not the sea in which we see.

The Hurricane

Two hints of a wisp of a breeze, each the other  
way going, passed near each other, at the equator,  
but this time swirling and continuing to spiral,  
ever more and faster, eventually giving birth to  
the beast that is Gustov, the blob that ate Santo  
Domingo and spit it out, after raking Jamaica  
lengthwise end to end.

The whirlpool, a category 4, drew energy from the  
water, then grew larger in mass, which then pro-  
duced more energy, a feedback system out of con-  
trol. It clipped Cuba's feet and drowned the outer  
Keys, heading now for the warm waters of the gulf  
to refuel and perhaps grow into a humonguous  
monster of 5 or 6. Oil platforms have been emp-  
tied and the roads of the coastal towns are all one-

way out, both lanes, no return possible, and none  
desired. The new New Orleans awaits the hand of  
fate, tempting doom to chance its way once again.

Perhaps, our universe of whirling forms began as  
such, as two oppositely flowing streams of funda-  
mental energy-substance meeting, and then  
whirling/twirling into spinning nucleons that  
threw off photons at their own spinning speed of  
light; then larger forms whirlpooled into stars,  
then galaxies turning, the voracious beasts of  
black holes at the center devouring all those who  
entered the Gates of Hell, all hope having been  
abandoned, a one-way street to oblivion.

The Message as Meaning, Not the Messenger

Some unprovable but suspect happenstance has  
come to present our cognition with reality, be it  
the "actual" mechanism of our brain or the brain  
putting a better face on what's really out there,  
and so what can the average person make of it? Is  
it a rule-bound experiment that limits us or an ac-  
cident that gives us the ultimate freedom?

Whether it's an illusion that completely useable as  
if it weren't or an actual reality is a really fine line,  
one that disappears, since reality exactly matches  
a useful illusion. Either way, one can use it, for it  
does present itself as being here to us, while it; all



the atoms of the earth, air, water, and space continue to interact with each other and progress on into complexity.

I think reality was generated as real from some admittedly nebulous "possibility" of the timeless-formless that had everything-at-once available, although some feel that the same is just apparent but not really real, but can be used as such.

Reality generators must be real, though perhaps they are reality of a different order or nature, since they do something, and we then experience that something.

Well, we'll just have to leave these generators as very likely suspects, and not fall into faith's trap of declaring the unseeable unknowable as a supernatural to which even more tendencies could be arbitrarily added, and see what meaning we can get out of the being we have thrust upon us, and help the human race by understanding as much as possible, for dull would s/he be of soul who could pass by a sight so rare (Wordsworth amended).

I am an intermediary trying to extend Fredrick's ToeQuest oppositional pair of space (where) and matter (what) conjoined with the transitional pair of past (then) and future (when), all of which blend as the spark of the spirit of life or being (who), upward, to show who humans are and can be, which any TOE must explain, as well, as we go

from past-where or wherefrom(thence or whence) to future-where or whereto (hence) within the past-what or what-then of history into the future what or what-when of progress, and so forth. So far, science doesn't have any formulas for this.

While pretty much agreeing with Nobody of ToeQuest that both nonexistence and existence are both unlikely as original sources of reality, I'm trying to preserve an actual penultimate reality, thought it doesn't much matter, although it may be problematic, by Nobody's reasoning, for what would be outside the universe? Or by my own, for how could fundamental stuff make itself or be something(s) that worked perfectly and was eternal. In effect, I'm after a complete TOE that the common man can use to sort out life, still a useful endeavor even if reality turns out to be like a dream, since we can still manipulate objects and so forth as if they were real. We can make the best of our existential state, to be, to do, and to enjoy, whatever method by which our reality is generated.

The only purpose of all of this existence, although our formation was accidental, is to be, through the freedom of finding one's own meaning, since there is no predefined script, although, of course, much of the doing of one's meaning comes from the depth of one's direction, growth, planning, and creating that is all granted by the spark of the

spirit of life: the then-when of the what and where.

So, it is seen that consciousness of experiences is the ultimate composite complexity of the universe, so far, and that it depends on every thing below it, as well as the 13.75 billion years that it took. We are powerful, indeed.

Since consciousness is the ground of our being that experience plays against as the main event, it is tempting to proclaim it the One ground of existence as well, but these are two different things, as different as could be, for consciousness of experience is the ultimate composite complexity grown from the sheer and tiny simplicity of the three fundamentals of existence. Indeed, consciousness would have nothing to observe if it were not for experiences, and so, while consciousness is necessary, it is not so primary, but experience is, for it is the brain's perception of itself on a global basis that unifies what is presented to consciousness, albeit a half-second after the brain completes it's analysis. Consciousness may be like a tourist coming along for the ride, but its value is that it is fed back into the brain for future shortcutting, as well as important for the attention of learning, until the subconscious can take over on autopilot.

From these TOE primaries, just as with the three color primaries, the whiteness of all possibility

grants the three fundamentals that form the many phenomenal colors of being.

Possibility, being neither some real thing nor nothing, of course, has no laws, no forms, no anything definite, for all is/was open to any and all possibility. It is the only condition that needs nothing before it. No more turtles standing on turtles all the way down. It was here 'forever'. Any other forever stuff would have needed definition. Also, stuff having been around forever could also not be, since forevers never complete.

Our universe full of lucky coincidences was just one of a zillion paths of Possibility's Everything. It is neither right nor wrong, but it worked, as may have some others, but a lot of universes flopped and went nowhere, or were inert to begin with.Extrinsic Shadow,

Noumena

(That which is turned into phenomena by the brain)

There are noumena that we humans can't perceive a phenomena, such as from the spectrum of the ultraviolet or infrared. Yet, they exist without our senses sensing them and can be measured by instruments, whose recordings we can see. There



are probably many noumena that we haven't discovered and some that we never will, those many other things that exist "between heaven and earth".

Of course, colors aren't out there at all they way they appear to our minds (after brain analysis) as phenomenal red, blue, and yellow, but are out there in their noumenal form of waves of different frequencies or interference patterns or whatever; it matters only to scientific research.

Three types of proteins in our retinal cones rotate according to the amount of corresponding primary color waves received, and so the colors are mixed by the brain into the phenomenal colors that we can differentiate as qualia or pre-qualia in our minds. These pre-qualia on our minds, if that step is there, could be further "noumena" of mind waves that consciousness finally paints as colors. The selection of these three colors' frequencies by the retinal cone's proteins is arbitrary, and any other workable choice would have sufficed to evolve us further. A cat only sees in shades of gray, but again, the entire spectrum is out there.

A sound or a color in a night dream is an example of a phenomenon without the accompanying noumenon of a sound wave, while a tree falling in a forest with no sound wave receivers around (ears connected to a brain), makes no sound—a noume-

non without a subsequent phenomenon. In our waking reality, there is both the noumenon and the phenomenon, of a sound wave leading to a sound.

There is no appearance without anything behind it that leads to the appearance, but many wish this not to be so. Even if we are in a night dream right now, the brain still broadcasts the show.

Some say that all reality is a dream whose parts are as completely manipulatable in cause and effect, and stability over time, as if they were real, even every atom's influence being somehow micro-managed, but then, this, too, would be real, for a difference that makes no difference is no difference, and is simply just a different kind of noumena broadcasting station, say a 3D hologram laser-lit from a 2D surface. Again, it doesn't matter but for the curiosity of TOE researchers

It's good for us that the brain puts a better face on, say, wave frequencies, to make color appear phenomenally; it must have been an advantage found through evolution and natural selection.

I suppose that it could have also worked out that a species could have evolved that saw no color phenomena, but saw some kind of "density of waves" phenomena that produced a similar sorting out of wave frequencies as our colors do, and perhaps there is such a species of animal.

Some even go further and say that a long DVD is playing somewhere (where?), that not only has optional endings, but optional everything at every point. Still real as real and just a method of nature.

Some say that the physical brain of all people together maintain reality as a dream image that is just as workable as if it were real. Still really real in effect; just a different kind of noumena presentation. (Why isn't the physical brain just an illusion, too?)

Some say that the noumenal dispositions are experiential in nature. Still works as real; the method doesn't matter.

Some say that all the intricate mechanisms of nature and the brain are just for show, as in a dream, but again, they do operate exactly as if they were real, so this is an odd approach.

Some say the mind and body are complete illusions but offer no means by which all works just as if it were real.

Some say that all is equal or that all is one, since this was a possible though improbable initial state before materialization, and give this as a rather meaningless answer to every question and post. Stating something over and over doesn't make it so, nor do category mistakes of mixing things like

"equal rights" with the other meaning of "equal". (I have no hard feelings, just saying how it goes over.)

Well, as for all is one or equal in the TOE sense, it could have been that the different fundamental particles and forces were always around, and if they weren't, then it is immaterial in both senses of the word, for we operate here, not "there", and "there" cannot be here, plus whatever started the big bang or whatever is over now. Our existence is here in this differentiated place. The "equal" days, if there ever were any, are gone. It is also doubtful that a One, such as some stuff, could even move if there was not another kind of thing, a place to move to or through or a method for doing so.

At any rate, I wouldn't base my whole life and every word on any unseeable unknowable superstitions (a redundancy, I know, of repeating myself).

Also, claiming a certainty of equal is a very uncertain approximation in the face of all the wonderful diversity around us. The one certainty is that MJA will probably say "equal", but I am used to it by now. People can be just as good and true and meaningful and helpful in an unlabeled world.

Meaning is as meaning comes along with the unequal amounts of learning for any of us.



## Between Nonexistence (Nothing) and Existence (Everything)

o) Complexity rules the Universe, but simplicity seems to underlie, so I will try to become simple-minded in this analysis of the bare beginnings of everything!

1) Nonexistence can't exist. It can't even "try", for it is not there and nothing could become of it. There is not even potential in an absolute nothing; no pseudo wave crests and troughs that could cancel out.

2) So, therefore, due to (1), some think that real substance has to exist, but how could it, for real substance (in the way that we know "real"), could not make itself or know what type of non-inert substance would work out.

3) So, we retreat to saying that All is just there, existing, not having come from anywhere, with no how or why, and, although this seems almost "sensible", if there were more than one kind of real substance (avoiding the undifferentiable "one"), it

is still seems improbable and nonsensical to say something(s) could just have always been. Yet, this could be the normal state of affairs.

4) Perhaps, if substance(s) had always been, those real substances had to be those that facilitated appearances and movement, leading to our being of past (rememberings), now (sensations), and future (anticipations) of appearances; however, again, it is not a defensible answer to say that real substances have no antecedent. Perhaps substance has an antecedent that is not substance.

5) Furthermore, why would the real substances that were always there have been the right stuff for us to evolve from? Why not some dud inert stuff that went nowhere? Again, no defense, for there seem to be many more arrangements that would fail than those that would succeed. Multiverse?

6) Therefore, the startling inference must likely be that there must be a possibility that is more than nothing but less than real substance! How could there be a middle ground? Because there has to be! We'll call it Possibility or Potential, similar to probability wave of the quantum world.

7) One good answer is Nobody's from ToeQuest, that the 'one' couldn't move, so it couldn't exist, and that "nothing" can't exist, and so all is relatively constructed by the subconscious, itself relative as well, from the instantaneous forward light and backward gravity, all granted from the one and only freedom, which is to have the sum of positive of negative forces amount to zero, within which the whole of relative reality is enjoyed by us. The ONE sums to the NONE.

8) But perhaps there is something real in another way from what we know as real, something called Possibility, which needs no antecedent, since that would only be possibility itself; so, it is kind of like everything-at-once, but at a simple level, there being no rules of time, space, light, etc., to restrict it. There was complete and ultimate freedom of possibility, and this could have generated the substance of reality, some of it useless and collapsing,

and some of it useful and staying around and forming ever greater complexities.

9) This Possibility is not a complex composite mind and so there was no way it could know how to produce the right stuff that would lead to our being or even to anything stable; it was not "smart", but more like the most probable outcome of quantum superposition, nor "brilliant" like our subconscious mind that sifts through scenarios of consequences to present the right path to consciousness (at least to the learned), but tried everything, so to speak, (not that much at its simple level), and may still do so as we speak.

10) I am speaking of Possibility as the lowest level of reality, lower than the quantum substrate (if there is one), lower than quarks (if they exist), lower than strings (if they exist); maybe it didn't even form our kind of substance, but another intermediary, such as our space or the quantum foam.

Note: There is some strangeness of what we think of as real: There is no light as we know it out there that is all bright and illuminating, only what we



make of what's behind it in our "dark" heads. What is lit in REM dreams is the same as what is lit in waking reality. The same for scents, forms, sounds, and everything else, but, I am still referring to it as substance, even if it's just a clumping of waves or interference patterns, for what can be manipulated as real is real to us and I have to call it something.

## Revelations

We cannot put much stock into divine revelations claimed by human mammals called prophets, since there have been so many, from Joseph Smith of the Mormons learning from divine engravings that Jesus spent his early years in America, the Jewish having some special information only for them only that Jesus was not divine, Mohammed learning of his special mission from the Angel Gabriel, in a cave, and what happens in their afterlife, Martin Luther, etc., and especially the revealed Catholic Bible supposedly written by God, and published by mammals, that claims the Adam and Eve story and God's massacre of all but Noah and his family in the Great Flood.

Even Catholic Bibles have an asterisk on the front page, under which they admit that the Adam and

Eve story is just a tale, and that the Cannites (sheep herders) always opposed the farmers. Those occupations seem similar to us, but were much at odds at the time. See the Philippine Catholic Bible.

I surely doubt that an all knowing, all seeing God could be so shocked at the fall of man, for Adam and Eve were given a glass of temptations filled to the brim, and were told not to spill it. Even us mere higher mammals know that if you tell children not to touch something, they most certainly will. Yet, He was astounded, as if He couldn't foresee or tell any future.

We are inherently human, not evil. We are what we are. Some are blessed and giving; others unbalanced and evil. How could anyone commit a heinous crime without being "mental"?

The loving God had no qualms about drowning many young innocents in the Great Flood; however, the all knowing One claims that He, of all people, goofed and made a rather large mistake, and so He invented the rainbow as a reminder that He would never do such a thing again.

Whoever made Him up didn't realize that the above act and many more only portrayed Him as a poor example, bad leader, and not a good role model, someone whose leading acts we would never wish to follow. If we did, we'd do things like

blame and punish our descendants for our own sins.

Sorry, but an overly emotional, rageful, unknowing, unseeing Super Being just doesn't cut it, and it doesn't help to declare that He works in mysterious (read crazy) ways to get around His insanity. Evidently, many such God legends are merely derivative of the child-parent relationship.

Nor is the church to be believed. They once taught that physical ailments came from evil spirits, and they make a similar mistake, even now, in claiming that mental ailments, called sins, result from the Devil's influence, but it has been found that many 'sins' come from mental imbalances of chemicals in the brain and/or from poor upbringing from those who had such imbalances.

Nor are the Popes infallible; many committed criminal acts.

Do we derive purpose and meaning from another Mind, as second class citizens? We are supposedly given free will, the catch of it being that if our will doesn't match His own will, we will be burned and tortured in Hell forever. Would you do that to others and follow yet another of the Leader's non examples?

If you are so opposed to believing that the potential of the Universe was eternally there or that it

came from nothing, then why all of the sudden do a reverse and accept these ideas in the form of a God? That is begging the question, and worse, turning it into an infinitely more complicated question, for which the answers need to be so much more explanatory—ultimately more, than to the initial, simpler question for which the answers are so unacceptable. We all know they're actually the same answers. He made Himself or always was, so, no problem.

The Universe traces back from large complexities to tiny simplicities. Is this the point at which to suddenly introduce the ultimate complexity? Does not One with an emotional and intelligence SYSTEM have composite parts upon which HE depends? Well, one could just declare it so.

Anyway, we slightly higher mammals in a far corner of the Universe, who formed over billions of years from molecules that themselves took tens of billions of years to form, and produces cells and such, and who are only 2% different from chimps, hardly qualify as so GREAT and SPECIAL so as to deserve divine rewards in an afterlife. It sure does seem that we're a part of the organic world, doesn't it? It does, even to the religious, and so it is that God's retreat and vanishing act soon begins, as a non-interfering God who simply invented quarks or strings.



Well, to begin to conclude, Noah's progeny haven't fared so well either, so perhaps God will soon forget His anger management lessons and rain more destruction upon His creatures for using the free will granted to them.

Some were mercilessly indoctrinated at some point beyond their control, through geographical, sociological, or familial influences, and, let's say, if you were a Mormon, you'd arbitrarily be pushing their revelations from Smith's golden tablets, and thinking the Christians wrong, just as the Evangelicals supporting some Republicans aren't keen on Romney's beliefs, and vice-versa, not to mention Huckabee, who thinks that the Earth is only a few thousand years old.

The point is that many religions think that the existence of the others somehow lessens the credibility of their own. They must all, at some point, begin to wonder: if not for the grace of my own right God, there might I go, following the wrong one, and thinking that martyrdom is the key to a speedy Heaven without trial, or some such different afterlife nonsense. You think it of them; they think it of you. You think they are a nut; they think you are a nut.

#### OBEs and NDEs

In an Out of Body experience, people report that they leave their bodies, even sometimes seeing them whole and laying there in their known surroundings. Near Death Experiences can be like OBEs and/or with the added effects of what dying or near dying contributes, such as the seeing of non-human beings and/or tunnels and bright lights of otherworldly scenes.

OBEs and NBEs are accepted, via many credible reports, to be quite believable as a realm of human experience.

Is the source of an OBE and/or NDE external, being really there, or internal, as in virtual, and not being really there?

First, consider that assumption that the source could be really there:

A. For the assumption of this section, the experiences are really happening and/or waves of reality exist which are really there and are being genuinely detected, either correctly or with [some] mistakes, in the OBE and/or NDE.

For the OBE part of just seeing the actual body and its normal surroundings without the otherworldly scenes as usually witnessed by the NDE type experience, consider:

...1. We could assume that one has actually left the body, by some method, and is really seeing one's actual body and the existing surroundings by some method, we having a means for this.

.....a. If one's body is seen as still active, we could assume that something like a spirit or consciousness has its own set of senses, awareness, and processing power like that of the body's mind-brain. (OBEers, do you see the body as active or not?)

.....b. If one's body is seen as inactive, we could assume that something like a spirit is the only processing power of the body, and that it can leave the body. Note, however, that the body could merely be asleep, and so it still could have a duplicate bodily mind-brain of its own.

.....2. We could assume that the mind-brain is in an altered state, for some reason, and so is picking up normal reality validly but makes an error in representing the perspective of the scene.

Now, for NDEs, especially with otherworldly scenes, and with us still being within the section of assuming that all is really there, consider:

...1. We can assume that we are seeing actual beings that can't normally be seen, we having a means for this.

.....a. We could assume them to be ET's since, as life evolved on Earth it could have evolved elsewhere in a different form.

.....b. We could assume that we are seeing into God's realm that can't normally be seen into, perhaps peeking into Heaven, wherever or how 'far' it may be, or seeing Angel types here or 'far'.

...2. We could assume that the mind-brain is in an altered state, for some reason, and is picking up



real waves in the electromagnetic spectrum that are not normally sensed, and so the mind-brain tries to make sense of them, and therefore produces an interpreted representation of them that is far off and not at all a faithful representation.

.....a. Waking life's mechanisms show us that the mind-brain models reality from what really comes into it as waves and fields, for example, a portion of the spectrum translates into certain colors seen, some air vibrations turn into sounds, molecule shapes attach to certain smell receptors to produce odours, photons translate into light, and so on.

.....b. Now, remember, as an aside, that we only 'see' the insides of our heads, but that we are still in the section here where the sources are real and external, and, so, that 'inside the head' has no bearing since we know that the mind-brain attempts to paint a better face on reality, that is seen to be a faithful one that serves us well. But...

.....c. ...How the mind-brain would represent heretofore unsensed waves of the spectrum is not known; it might, for example, mistakenly attach

this new sense to vision's realm when it was, perhaps, really thermal vibrations or something like that which our species can't deal with since it can't normally sense it.

Second, consider the assumption that the source of the OBE and/or NDE is not really there.

A. The assumption of this section is that the experience are virtual, being fabricated by the mind-brain somehow, and not really there.

For the OBE and/or NDE:

1. We can assume that we are leaving and seeing the body or seeing lights and beings due to a dreamlike vision or hallucination, whether awake or asleep.

...a. As in stable dreams, we can assume that the vision is indistinguishable from the real, and so is felt as being real and sworn to.

...b. Even better, we can assume more of the above of (a) since full-blown OBEs of perfect virtual reality can be induced in people by stimulating the right temporal region with electrical activity. This shows that the mind-brain is capable of producing virtual visions that seem real but are not.

Temporary conclusion until otherwise known not to be so: OBEs can be electrically induced, so, OBEs and/or NDEs that are said to be caused by supernatural spiritual forces might then just be a result of neurological virtuality while in an unusual state.

The direction of the guestimate above was taken since only the inducement of OBEs is fact. While some of the other assumptions possible are somewhat based on some of which is known, but indirect, and others totally based on the unknown, they are all, at the end of the day, still assumptions obtained via the wanderings of imaginings.

A second guestimate would be that there are spectrums of natural energy that we can sometimes sense or try to make sense of. A third, but wilder guestimate, at least to me, would be the existence of ET beings in what is called an inter-dimension.

All in all, the temporary guestimate may be around, long term, until we have an absolute ob-

jective identification of what else is supposed, such as ETs, sensing other natural energy, or God's existence.

I had several OBE's. In the first one, I noted that it was as real as real could be, but I did nothing further but float around the bedroom, full of amazement. I figured that the dream model of reality is the same one that is employed when we are awake.

During the second OBE, I rearranged the items on my end table, even knocking one item off. All still felt real to the touch, and all that, and I was sure that I would see the evidence of end table results later, when fully awake, but when I really awoke I saw that nothing had been moved.

I also found that I could awake from dreams anytime by clenching my whole body, and so during the third OBE I luckily found myself in a kind of halfway state in which my dream-arms were fiddling with the end table stuff, but I could also see my real arms still lying there unmoving.

I guess the idea is that sometimes a virtual dream reality cannot be told apart from real. I was so sure that I was out of my body, but now I know it wasn't so.



## Irrelevant

In order to explain the existence of the universe, the invisible God is invoked. The hypothesis of an invisible God as the Supreme Deity is unnecessary. We have merely extended the chain of causality from explaining the universe to explaining the existence of God. Not only do we have another entity to explain, we have to explain how the new entity, God, has any relevance to the creation of the universe. God, therefore, explains nothing.

Other hypotheses we are asked to accept in this explanation of God are that there is an afterlife in that Heaven and Hell exist. We are asked to believe in a resurrection and, in some cases, we are asked to believe in reincarnation. All of these concepts are brought in with absolutely no means of verifying that they are valid concepts and with no means by which we have a possibility of falsifying their existence. We are also asked to believe in revelations that there will be some "second coming" of Christ and a Last Judgment. That is the irrational God.

We are also asked to believe in the impossible—miracles and the Virgin Birth, for example, or maybe Muhammad's night ride to Jerusalem. Again, these events require us to have faith—but faith in what? "Faith" in this context can be described as

being expected to suspend our belief in reason and in rationality. This, for me, is the biggest sin against humanity that religion perpetrates. The Rational God's biggest gift to mankind is our ability to reason and our ability to rationalize.

No true and benevolent God would ask us to drop our greatest gifts and accept anything on faith. The central message of religion has been brought to us usually after some private conversation has taken place between a chosen prophet and God or a messenger of God. Such conversations always took place in ancient history during times of great superstition and always occurred in remote places with just one person. If God truly wanted to reveal himself to us, he would do so. He could sit on the moon and wave. He could rise with the sun every morning and write his name in the sky, using clouds. He could take over the world's TV and radio networks and broadcast to us all simultaneously, explaining to us all what we really need to know.

But the only God who could do any of these grandiose things is the irrational God, and the irrational God does not exist. The irrational God is self-contradictory in a rational world. The biggest crime is to give up our greatest gift with which we have been endowed by the universe and to let go of our rationality. To embrace irrationality and forego our empiricism, our logic, and our reason

is the biggest crime against humanity and God that there is.

Metaphors can be very useful tools in understanding complex concepts. God, however, has proved to be a very dangerous metaphor for reality because it has come to supplant reality. The metaphor has become the object of our reverence, and it should be reality that has that privilege. By revering the metaphor rather than reality, we are diminishing the very thing that we should treat as the divine. The universe or the material world is the divine, and man has, instead, constructed new imaginary worlds and labeled them as divine. The irrational God and imaginary heaven and paradise have been revered to the detriment of the here and now. The truly divine is the material world and humanity; yet, the material world is the lowest of things in the scheme of the irrational God. The Rational God avoids this mistake by treating the whole of the empirical universe as divine. This idea gives an immediate call to action in the here and now.

The revered in the world of the Rational God is the material world. It is the material world that is the divine in precisely the way that the irrational God has been assumed to be divine. The material world possesses precisely those attributes that we require when we wish to label a thing as *divine*. We should be treating the material world in ex-

actly that way—with love, humility, submission, and deep reverence. Instead of believing in an invisible God that requires an enormous leap of faith, we should, instead, be reverencing the visible and understandable divinity that exists in front of our senses. We should regard the preservation of its most fragile forms, in nature, as direct evidence of the existence of divinity and not seek to behave in such a way because we think that we are guaranteed a better seat in the afterlife.

That's life.

'I'

(Awareness/Consciousness)

Observes

(as a witness)

the state of mind

(experience of thought or feeling or sense, etc)

that has surfaced

(brain's result of analysis)

from subconscious brain scenarios

(associations, learnings, memory, that is, the self)

due to this situation of inputs.



## Emotions

The good emotions are so great and fantastic and of course give such a winged lift to life that they are absolutely indispensable. Now, naturally, before they arrive, we have already done something great by using the rest of our brain, such as creating or accomplishing something, falling in love, or just understanding the life in all things and the awe that goes along with that kind of realization.

So, these good emotions are often made in the long run and can stay with us, hopefully withstanding any lessor and intervening states of the mundane. Bad emotions seem to come and go more often, although some people may have made a life of them, but, for the most part they are of molecular events gone terribly awry. Yes, molecular events, of all the meaningless things, but those so overwhelmed by them may actually claim deep meaning... and soon end up in a bad place in a bad life.

Many bad emotions are of stress, not eating right, no exercise, working too hard, taking one's self too seriously, genetics, and the amount of stability one has [or not] from life, enculturing, and upbringing. Strangely, when very irritable, the brain often assigns the cause (again and again even) to the most recent happening, such as one's pets and/or kids making some noise or some such normal

regular thing. So, some then kick them across the room (not me). But, isn't it the case that when you felt OK the day before, that these "noises" were not seen as any problem whatsoever?

Yes, it was your brain going awry, not the kids or the pets causing you to be irritated. But you felt it! Yes, you did, but it was often just a spurious event. But you felt it! Yes, and how could you not trust your very own thoughts [feelings]? Because you fell for your very own thoughts, somehow thinking that you really thought them. Well, you did and you didn't. They were merely the molecular events of your brain neurotransmitters going awry and not directing your brain traffic normally. Wrong signals were sent. You reacted, not even pausing to consider a more creative solution, for all thinking had halted. Yes, anger has no brains and the anxiety makes one irrational.

The cure: become an able spectator of your moods, seeing them from "afar"... Disbelieve your own thoughts! Easy? No. Doable? Yes. Witness the happenings. Let the parade pass by. Do not latch on.

Too much pride: Makes one feel too "special", high and mighty and deserving [even of divine creation; had to get that one in]. Too much into self: causes failure to see circumstances but through the lens of one's own ways and methods.

Attempts to control. Do as I would do, etc. Anger: call names; assault; yell...

The invisible forces of emotions, and even thoughts and feelings, if they are different, have now become visible in neuroscience brain studies following them, the good emotions flooding the real and actual brain, the bad emotions staining it, so to speak.

True, life would be so boring without fun, humor, emotions, foolishness, all things human.

After much emotion here on ToeQuest and the investigation of it, and after to this place of being where evolution has taken us, and, at the end of the day, and right now, we must really bow down to the most humble and saintly Brother Timothy for reminding us that, as ever, our wonderful complexities like emotions and more are compiled arrangements of lessor complexities and so on, and ultimately of the simplicities of that like stardust.

The feel good endorphins that course through the brain when we are "up" have indeed been seen, as well as the serotonin and dopamine transmitters that maintain our interest in life and living, which are also known and seen. In fact, our opiate receptors for "happiness" are so much known about in the brain that we've discovered that illegal opium based drugs are able to pretty much fit into these receptors, but unfortunately they get stuck there

and only clog the receptors after they've done their thing, making those receptors ever unavailable. This is why the drug addicts need more of the stuff to get the same high as before, eventually becoming unable to ever be happy again, even sinking into its opposite state.

Anyway, the "magic" still shows and is felt at the top in the mind, but is, as all things are, of chemicals called molecules and atoms. Just don't remind your lover of this while attempting to propagate the species.





## The Trap of Suggesting that a Bunch of Lucky Chances

in a row can not amount to anything, and that this proves an Intelligent Designer. This is like supposing that when an organism goes to a casino and keeps on betting all it has for billions of years cannot win—and this is certainly true, but his is not representative of natural selection at all.

Although an organism would surely go broke (die) in this false scenario, what is really the case in evolution is that there are other organisms always taking over (surviving), those that are stable (winning are already in the bank) up to each moment in between the “gamblings” on the mutations (the spin of the wheel or the play of the cards or the throw of the dice).

This is a simple concept that still eludes the Creationists because they are now so desperate in their attempts to preserve the invisible and it was even this chance business (again) that prompted some of the recent posts here.

## Life Experience

Before more surmising,  
What are we to make of our experiences,  
Whence and wherever they spring,  
For here we are,

Receiving them into awareness/consciousness?

Which way to go?  
Angst? Or acceptance?  
Are we free of strings? Or puppets?

Do we live on Good fortunes's credit,  
Our life but a borrowed debit repaid at death?

We are forced to choose,  
The right choice, if any, unknown,  
For the mind/brain's answers are arbitrary.

Only conscious awareness is an indubitable truth

And it only receives thoughts as experienced,  
Not knowing if they be true or false.

We come into this universe,  
Willy-nilly, not knowing,  
Our lives given to us to live,  
Willy-nilly flowing.

Yet, we are here in some way, no doubt,  
Be it real or a very good imitation  
That cannot be told apart from the real.

So, maybe, just be, as is?

Who then, upon recalling,  
Or during a state of meditation,  
Or just by living,  
Can use experience  
Of doubtful analysis

To say anything further  
About the true nature,  
Why, source, how, and wherefore  
of conscious awareness?  
There are those who feel  
They have to say,  
And those who do not.

I (Awareness—the screen)  
Feel (witness in consciousness)  
Happy, or whatever  
(an experience that has arisen from 'somewhere').

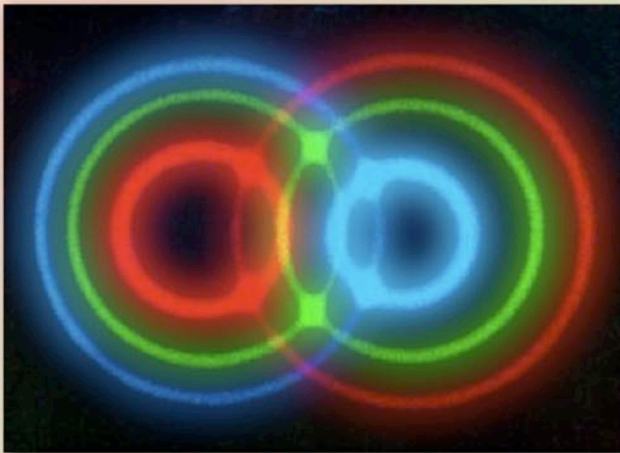
Yes, that's it, so no more can be assumed, figured out, stated, derived, analyzed and turned into causes, how, why, when, and where what has arisen except that it is and it is now.

Therefore we can know no more than beingness. It is ALL that cannot be doubted. We cannot know otherwise or additional, which also says that the way is not to modify it by claiming more and doing such and such. The fact that we cannot know



more is also that of knowing that the knowing of more is not expected. To be 'I witnessing experience' is all there is to be.

Be it! It is only what it is. It doesn't say that the experience is true or fake or that ego must go away or that God did it. It only says that's how it is. Note that the Awareness and the consciousness are much the same, and so I usually use 'consciousness' for either. Perhaps Awareness is more of a focus of consciousness.



## The Indubitable

All we know for sure is that consciousness witnesses experience. Everything else is doubtable, including the meaning of the experience and its presumed source. Is there any other way than consciousness? No, consciousness is the only portal that there is to whatever there is. So, consciousness is the background upon which experience, fake or real, plays out. Consciousness is an indubitable truth.

Consciousness is the witness, being the same as the witnessing being only a subject. Experience is an indubitable truth. Note that experience may be none, very little, somewhat, very much, extreme, and so forth. It may be either real or fake—we don't know—but that there is some kind of experience is indubitable.

We don't know the why, how, what, and where of consciousness, only that it is now. We don't know the why, how, what, and where of experience, only that many experiences come and go in varying degrees of intensity in the now. These are the facts. We'd love to guess at more here, but we are still at the indubitable stage, so, maybe later when we get to say what seems probable—but the probable is ever doubtable. The function of consciousness is to witness experience. The function of experience is to be witnessed.

The above is just a fuller restatement of: Consciousness witnesses experience. We have to tediously struggle through language. Consciousness is only a witness, a subject, a receiver, a screen upon which experience registers, and never an object in and of itself. Experience is an object, not a subject, being what is presented to consciousness.

We don't know what to make of consciousness witnessing experience, so, it is then undoubtable, also, that we are forced to make a choice about what further to do, even though this takes us into ever more doubtable areas. So, choosing is mandatory, that is, whether to have experience or not, as well as how much and whether it is real or fake, plus what it all means. So, how do we choose?

We must choose a further way, but there is no guarantee of the way being right, for all is doubtful from here on in. All this description is to make sure of the terms, so that no inferences creep in. True, that there would be nothing further to do, if that were possible, but we are forced to do something, so any choice is valid. (or we could give up and die)

Note that consciousness itself is neutral, everyone's probably being the same, for it is only a witness, a background for the objective figures of experience, so I don't understand how consciousness can ever be a "wrong", but I could see how

it's contents could be one (experience) since comes from the doubtable source of what makes experience.

Remember, the only truth is consciousness having (optional) experience. So, then there is no further truth to say what to do about this situation, for what the mind/brains comes up with is ever doubtable. If we chose to do nothing, then the laundry doesn't get done, but, then, so what, if we do or don't, but it is indubitable that we are forced to make some choice about the matter. We must deal.

To continue, it is indubitable that we are here as consciousness witnessing experience, in whatever form that is, for, who knows. Thus the state of knowing as above is the state we have been thrust into, for who knows why or if there even is a why. This state, which may also be termed 'existence', is a state that precedes essence because we know nothing more about that, for the mind's ruminations on it are untrustworthy, as they come of brain. In other words, we must first deal with 'us' being in this state. We must deal. One could do nothing, which is fine, or one could do something, which is fine, including venturing into the next phase, that of conjecturing...

Let's examine what we have, although more in the first person. Remove all experience from your con-



sciousness, for it's source is doubtful. OK, thoughts are fading, but some persist. Let them parade on by; do not engage them; do not evaluate anything; do not latch on; do not use brain/mind, for that is what meditation is, what you call no-mind, what I say "is not what you think".

I know the above takes some amount of will, but we are stuck with that, plus the will will get removed anyway. OK, we are drifting toward no thought, no feeling, no sensation, no interpretations, no mind/brain or whatever it is that grants experience, for we are heading for no experience being present at all. We are not, yet, even trying to size up the nature of this meditation, for that would involve that which we are trying to get rid of her. Consciousness has no separate mind/brain system of its own, so there is no worry that it could intrude.

We could also be in the state as when we have just woken up from sleep, doesn't matter, same thing. We probably have our eyes closed, or what may appear to be eyes, doesn't matter, for a sight of a thing has been known to produce an experience. Or we are in the dark. All experience is fading, even the persistent intrusive stuff; we are getting close to having no experience; however there is slight problem, our breathing that we focused on to draw attention away from anything else, but, no problem for that is also gone now.

We are getting really close; another very slight problem: That thing, whatever it is, that reported our body's (whatever that is) outer boundary, wherever that is, has now changed to report that there is no outer boundary between us and whatever is, whatever that may be at heart. So, we're not really off track, because we are even now achieving a quieting of what stirs up experience, however, the darn thing keeps reporting no boundary; well, we will attempt to ignore even that, but will consider it later when we retrieve it from our memory, or from wherever, when we later consider the nature of this whole experience of experiencing nothing.

OK, no more cares about a body/self/environment boundary; the thought has gone the way of all others, for we are not attending to it. This is called detachment; we are at a great distance; the stage has been cleared; we soon hope that the stage itself will disappear and that we will be left with pure consciousness untainted by any experience.

But wait, one more tiny experience keeps seeping in, but we will get rid of it or ignore it. I see you have been doing this quieting, since you are not online. A pleasure to have the whole floor when speaking with you. We have been feeling spaceless, weightless, all spread out, like one with everything, and so forth, even doing away with what I

just said, for that is a feeling. We are now working on the disappearance of self, whatever that experience is, although the self had to pop in now and then, but only for the purpose of maintenance of our desired state.

Overall, the state is going well. We are not inventing, theorizing, looking at angles or any of that; in fact, experiences are few and far between now. We are mostly taking in and hardly putting anything out. We are floating, but we halt all thinking of comparisons of it to being in outer space or anything like that.

The one experience still seeping is that of the self. This is not quite the same as the 'It is' undoubted truth of consciousness, but a sense of a separate self of "I am", which we will soon remove. Then there surely won't be anything left that can even involuntarily try to decide or claim anything.

So, whatever it is that is behind the generation of experience is getting thoroughly quieted, for the self itself is now fading. It feels different, but we soon banish that experience as well. The self is gone; there is only the witnessing of nothing by consciousness. Timelessness and selflessness have arrived. Later on, we wouldn't even know if a million years had passed, but practically, some noise will happen or we will wake up if we fall asleep or we will have to pee.

If this were the immortal state of the soul after death, it would be an unperceptive state of immortality, but, hopefully, God would send some experiences, for you would be bereft of that which produces your own while living. All that aside (pay no attention to speculation), we are still in the state of the awareness of consciousness witnessing nothing, not even itself, for consciousness is not an object. There is still a subject, consciousness, but it is not a subject of anything now. It is still the background, but there is no foreground.

It just is as it is, no more and no less. So, now our meditation is over, and some useless doubtful conjecturing can begin, which is always fun, but before that let's say how we feel now, be it true or fake. We seem to feel peaceful, rested, more like restored, and even achieve the detached state quicker, through much practice; we even apply it while moving through everyday life as we run into stress, quickly detaching and letting what others might call annoyances or bad behaviors sail right on by us, disturbing us but a tiny tiny bit from any involuntary reactions that may try to surface, but we know what to do with those and soon they squashed in the bud.

Life becomes more glorious than was ever thought possible. Calmness spreads; creativity has more opening; we don't just react, but use the space be-



fore responding to attain a better response, a space that isn't even there for the impulsive.

Any more?

There are some scientists stating that they feel the nature of the Universe is mental...

It could be that Earth is for mental cases... but really, mental always boils down to be the same as the physical (as in our brains). No brain, no mental. Now please, don't donate your brain away as a useless organ, for today has been a busy day for that, and we have no more room for these globs of gray jelly.

Evolution was as slow as molasses, over how many tens of billions of years, and did happen that way, for no design was driving it; however, my theory is saying that this all happened in the quantum-like realm of all possible universes evolving together, and so it was our human-like consciousness that brought our universe from the potential possible into the actual real.

So, the real actual Earth/Universe is only as old as far back as we have to go to mammal consciousness; the other billions of years of evolution were in the potential possible state.

(Consciousness is a brain state; consciousness doesn't just float around loose in space.)

o) Note that 'Nothing' could not totally dominate! That would have meant that the universe is not there at all. It would have been absent, as well as nothing being anywhere. There would have been no somethings whatsoever anywhere.

Now, let's not get stuck on 'all is illusion', for that is only an implementation of nature that still gives us a sense of something, and is still of a source. If 'Nothing' prevailed, then even that source would not be there.

So, obviously, all is not 'nothing', so something HAD TO BE. Why, because it is here. Note that I am not saying that something could/might have been, but that it MUST BE, for there is something here. Nor could anything ever become of a total absolute nothing, so then it COULD NOT BE.

Sound OK, so far?

o) still going...

So, we have that the WHY of stuff existing is that NOTHING COULDN'T BE [everywhere].

This is no big deal, for the HOW is will be the meat, but we are at least being thorough.

So, we will get to HOW, but first we'll build up to it.

Many would just propose the magic word 'God' here, not knowing or caring if it was a person or not, how it came, whence it came, what its nature was, why it was, etc., compounding all this pure invention with some silly definition later, but we no can do the irrational... can we, letting a magic word stop all of our thinking, as it does for the religious?

We could even stop here, saying TOE is CAN'T KNOW, and the result would be about the same as I'm going to show, but, just for fun...

We can't hope for more.

- if the theory holds without reservation at every level on which it may be tested
- and it comes through for us
- though delivering the idea of an 'unknowable origin' as our root -

But, some will still make things up about the origin, and so, at the last, or maybe in a new thread, we will discuss why some humans do this, some without even knowing so... some even trying to trump other made-up beliefs, too! It is the most insidious brainwashing of all that ignores both fact

and contradiction through 'neglect'—the most dangerous human creature of all time.

Next time: Why the actual stuff of things and beings or Beings COULD NOT have been around forever.

(Yikes, then what will be the way out then? And why does our universe work so well; yes, I mean well, even though it took 20 billions years of seemingly random happenings! Well, they were and they weren't.)

1) How could actual simple fundamental stuff have just been around forever? It couldn't be, even if the stuff was lucky and rare enough to be the exact right workable stuff that we know and love and have probed, for we will see that 'forever' is yet another magic word.

What would have decided the stuff's amount, nature, ability, size, where it was, etc., and guaranteed that it would evolve on to us or recombined to anything higher at all?

Furthermore, a "forever of things" tied to time could not have already been completed (remember there would have been no beginning), for a 'forever' of infinity can never complete. So, "for-



ever", from back there [at no beginning] to here and now is impossible, since 'forever' never finishes (and would have, many times over, if there was no beginning). Things would have worn out, gone cold, or scattered far from each other if a 'forever' had already passed.

Now, I don't care if a jillion big bang bounces have occurred, each beginning the universe anew, the first real stuff still could not have been around forever. I'll leave it as a long shot, though, but that would end our investigation, so, we can't really end on such an unlikely rare event of magic, can we? Nope, magic of forever is out, even if it would totally get rid of the origin, for I am ever impartial here, and go wherever the constraints push me.

By the way, the same for beings or Beings or Systems of Minds With Intelligence and Emotion having been around forever? What would have defined their energy, nature, etc., plus no 'forevers', etc.

#### 1 ) Con't

So, if stuff can't be made out of nothing and neither the stuff nor beings could have been around forever, then, how did a quark or a string or whatever get made and why did it go on, against all odds, to form our completely workable recombina-

nant universe full of complex composites that no one could have even foreseen from scratch, much less on up through 20 billions years?

And how could both something from nothing and a thing existing forever be impossible. Is there another state, one such as we see in the quantum realm for particles, but at a universal level? How? By what logic? Dare we even go there or call it quits at CAN'T KNOW the TOE?

Well, the constraints push us in this direction...

Imagination rules the circus, for it can never be right nor wrong. Since we can't know the TOE, we are each free to write the rules that can transform the world into the heart's desire. It's the greatest show on earth, an 'I' production. I'm off to see the lights of stars born near the beginning of the light show... then onward to stare the origin in the face...

#### 2) con't (the Root of Everything)

So, for fun, we've been making up things about the origin of all things...

I am going to show how, with no will to design, a very workable universe such as ours can come about.

This universe of ours is glorious; substances and their energies combined; properties emerged and even fed back in; higher complex composites formed from more combinations; feedback occurred; more emergence; and on and on through a zillion events over 20 billion years, needing luck and good fortune. It doesn't even seem likely that it could be foreseen.

So, how do I account for all this having been foreseen ahead of time, such as the handful of finely-tuned constants that had to be so precise for all to go on? Well, I don't have to, for there was no need to see all ahead of time, as I said, for I will show how it happened so precisely, but without showing any will to design, for that would be a complex thing that could not come first, for remember, we are going back ALL THE WAY before materialization of any kind of any thing or being at all.

The constraint of no mind, no forever of stuff, no nothing being here totally, and such others discussed before push us toward the answer... Did every possible universe get tried out in actuality, using a quazillion tons of stuff, ours happening to work out fine, but a kazillion other universes falling flat and going to waste? Well, could be, but I'd bet nature is a bit more efficient than that... and so we'll try to do better, too...

The ANSWER to:

#### 3) Why the universe was guaranteed to function and beget life and consciousness...

Recall the quantum realm that we observe in our universe; an electron is everywhere and nowhere, in a state of superposition until collapsed into actual being by a conscious observer. The same with many sub-atomics, like photons, at this micro level. At the macro level of our everyday life, decoherence ensures permeability and stability.

Now, what about before materialization? What of the timeless, formless, lawless? All was unconstrained.

It was much the same as the quantum realm—there was a superposition of all universes... but no collapse due to an observer, for none existed; in fact, no things existed at all yet in the actual, but only in this potential state of all possible things. The moment of collapse is not going to occur until a human mind has evolved, since collapse requires a conscious observer. With no conscious observer, there is no collapse.

So, from the beginning, the universe evolves in the quantum state of all possible worlds. In this early state, the universe is infinity of universes, none actually existing but all existing within the quantum state of all possibility. One of these uni-



verses evolves human minds after billions of 'years'.

When proto-man arrives in that one universe and observes that universe, the multi-universe of all possibilities collapses into the state of one universe, within which exist our ancestors. The rest is history.

Our universe exists because we evolved. The universe as a whole is dependent on evolution for its very existence. Without the process of evolution, the universe could not have existed at all. Of the infinity of possible universes that could have been brought into existence, it is the universe that evolves the mind that exists. The evolution of humanity is the purpose of reality and its cause. The evolution of a rational and logical mind is absolutely guaranteed in any universe that is to exist. Just as space and time are guaranteed to exist in any universe that exists, so is mind. Intelligent life has arrived because there have been an infinity of universes evolving since the beginning of time. The universe of mind has been left as the one in real existence. Out of the whole range of possibility, it is this universe—the one that evolved intelligent mind—that exists. Oh, well, it's a rather fanciful conjecture.

#### A Review of the Generation called 'Potential'

We have traveled into the dark alley of the counter-intuitive Potential-Possibility, far from the known main boulevards and avenues, directed here by the dead ends of no forever things and the no things of nothing, so, here we fearlessly go on to the TOE.

We knew that it would be strange here in the alley, as in the quantum realm, and so there is not a lot of direct light of normal intuition for us to find our way; however, reason, from facts, spirits us along in the dim shadows made of the hints gleaned from the non-fitting puzzle pieces of forever and 'nothing'. We are, now, here where few have dared to venture, for we have left time, form, and all the other constraints behind, for we had to.

So, while we have discovered the TOE, ToeQuest, of course, remains open since there is still so much more to know about after the Origin, but in review, including some refinement, henceforth is whence we became:

'Something' had to be,

Called Potential,

Since 'nothing' could not be;

Nor could 'something' be forever

Designed without any design.

However, this Potential is not a thing,

For a thing could never have been around forever,

Since that thing, with no beginning,

Would have already been here

for an infinity of time,

For things are chained to time, with no escape,

And, so, an infinity cannot have been completed,

For there would always have been

More time to extend upon it,

Not to mention that the real things

Would have worn out by now,

So, it was Potential that 'existed'

Outside of time, space, physical laws, and things,

It being the unconstrained

Timeless, formless, and lawless superposition

Of the possibility of all things that are makable,

Perhaps operating all at once

or progressing 'rapidly'

Until the consciousness of organisms

in one of those

Evolved possible states brought real things forth

As our reality—

Consciousness being the ground

Against which events can be known,

Although not itself the events witnessed;

For these are of our lives and being.



Consciousness, even now, with the mind-brain,  
 Still utilizes possibility,  
 By collapsing scenarios of consequences  
 Of actions into a surfaced thought or two—

And so it is that Potential was all there was,  
 Not quite as in 'forever' since it's outside of time  
 But as still All, and in the sense that  
 it HAD TO BE,  
 Since something IS HERE.

Now, in this reality that we exist in,  
 Movement of appearances grants time,  
 The appearances existing as/in space,  
 Being of greater and lesser densities,

Of which come wishes,  
 From thoughts of future space,  
 And remembrance from past space,

With history being of past things,  
 And progression toward future things.



#### The Lesson For Today:

Theory of Everything

=

Matter

(What)

Moving

(Then to When)

in

Space

(Where)

due to

A "Nothing" that couldn't be,  
 (The Why)

So there was no way to stop  
 existence from forming,  
 all possibilities being open.  
 (The How)

The only purpose of all of this existence, although our formation was quite accidental, is to be, through the freedom of finding one's own meaning, since there is no predefined script, although, of course, much of the doing of one's meaning comes from the depth of one's direction, growth, planning, and creating that is all granted by the spark of the spirit of life: the then-when combined with the what and where.

So, it is seen that consciousness of experiences is the ultimate composite complexity of the universe, so far, and that it depends on every thing below it, as well as the 13.75 billion years that it took. We are powerful, indeed.

Since consciousness is the ground of our being that experience plays against as the main event, it is tempting to proclaim it the One ground of existence as well, but these are two different things, as different as could be, for consciousness of experience is the ultimate composite complexity grown from the sheer and tiny simplicity of the fundamentals of existence. Indeed, consciousness would have nothing to observe if it were not for experiences, and so, while consciousness is necessary, it is not so primary, but experience is, for it is the brain's perception of itself on a global basis that unifies what is presented to consciousness, albeit a half-second after the brain completes its analysis. Consciousness may be like a tourist com-



ing along for the ride sometimes, but it's value is that it is fed back into the brain for future short-cutting, as well as important for the attention of learning until the subconscious can take over on autopilot.

From the TOE primaries, just as with the color primaries, the whiteness of all possibility granted the fundamentals that form the many phenomenal colors of being. Celebrate! Be alive! Be well! Think and do!

#### Science vs. Religion

Science is of that which can always be known, by definition.

Science shows no variations in what is known.

Science loves to find increasingly refined or even different answers than expected.

Science is for the inquiring mind.

Science is of the visible and measurable.

Religion is of that which can never be known, by definition.

Religion is also compounded by contradictory variants.

Religion(s) already have every answer

(more like "that's it; case closed")

Religion is for the limited mind.

Religion is of the invisible and never measurable.

How, then, is the twain to ever meet?

#### From Eternity To Sin To Here Back To Eternity

God, Perfection Itself, with unlimited powers, is the ultimate complexity, and existed always, some say, bearing the talent of the infinite. As far back as He can remember, there would still be more; however, His memory capacity is infinite, and, even better, He knows all future, present, and past. The eternal God had no birth, no creation, no end, and knows EVERYTHING. How this be? Um, no one knows. but they say it. At any rate, this fortunate position meant that He could do anything whatsoever [let's say].

Isaac Asimov once noted that he was merely a natural in writing his many science books and that it wasn't easy for him to accept praise for that which was an ability he just happened to have and

develop, that lots of people are good at different things such as music, sports, and humor.

But, I am trying to along along with the Wish—and there are those who feel that the good angels and humans should be ceaselessly adoring God, not that HE necessarily has a need for it. So be it and such it is said. However, even angels war and rebel, and so there is Lucifer and whatever legions he has following him in his counter 'reign'. Like twin genii, God and the Devil have split the day and night.

To continue, for reasons unknown, God, 13.5 billion years brought forth the Universe, seeding it with workable and flexible fundamentals, causing trillions of stars to form, and so forth, all-knowing that it would all amount to life someday via Evolution. It is not known if this is His only created Universe—whether others are, have been, or will be, but some will say if this is so.

Near to at least one of these suns (we don't know if there are, were, or will be more life-sustaining planets), 50-80 million species of life developed on a place called Earth. Of these, one species of higher mammal, Homo Sapiens, seemed promising, for they had to be so—God's Plan.

Of all the Homo Sapiens, Adam and Eve Sapiens, in particular, were selected, for some good reason, to become quite special and so were given a soul,

along with free will, in the Garden of Eden, where they could flourish without the pain and suffering that they had known before as animals out in the world.

Now fully human, Adam and Eve roamed among Eden's peaceful animals and bountiful flora. Presumably, all humans descended from them (through Noah). The other Sapiens, Neanderthals, and whatnot died out somehow.

By granting humans control of their own destiny, God purposely and intentionally made it such that even He could not know how it would all play out [let's say]. We can imagine that He hoped that it would go well; however, the humans were free [were they?] to exercise their God-given nature and did so.

Unfortunately, the humans believed the Serpent's tale and sinned, as if they were born yesterday, which perhaps they were, by consuming the forbidden fruit, and so were thrust back into the world whence they came, having again to contend with the unfriendly beasts and nature's elements; but, they remained human, albeit much estranged from their Creator through their poor behavior, temporarily dooming all of their descendants.

As if Human Sapiens didn't have enough to contend with, the Devil was still ever at hand to offer temptation, a method of testing humans; but,



mind, making it known even better, although not directly.

(3) Fine, for what impinges on our senses cannot be known in its absolute essence, for that is not carried forward as such, but can be known in its measured properties, such as being electromagnetic waves and communicated as such.

So, then what, since we already know something exists.

#### The Possible

My proof is that: neither any real thing could have been around forever, since endlessness (things would have definition without having ever been defined) is not possible for the real, nor could the real have come from nothing, since 'nothing' is not there; therefore, Possibility did it.

The multiverse is all possible universes, of which one, ours, evolved consciousness, which, being an observation, brought the potential Cosmos into the real, just like the events we still see in the quantum realm.

Both consciousness and the multiverse are of the quantum realm, in which possibility rules, hidden variables having been ruled out. The wave func-

tion goes all the way up. There can be other, separate, multiverses bubbling up 'elsewhere'.

#### Consciousness Really Explained

Consciousness mediates  
thoughts versus outcomes  
And is distributed all over the body—  
From the nerve spindles  
to the spine to the brain—  
A way to actionize without moving.  
So, yes, consciousness is spread out.

#### The "Something"

All we can say, realizing our knowing that "nothing" can't produce anything and that there is indeed something here, is that it has to be that there was "something" always around. No way around that one. It must be that this "something" is made without ever having been made.

Whether the "something" was actually a real something as we know it or produced a something is not known. Many propose a middleman of a Great System of Mind, but, as such, systems have parts and it is those parts [and the parts beneath those] that must be the real fundamentals.

It seems, too, that the original "something" was just what it was, having no mind, destiny or foresight, but flexible enough to produce the higher complex composites. Either that or some brute force "something" went through all the possible paths as some see the quantum realm doing. No matter about matter; one doesn't need to "mind" it except for the fun hobby of ToeQuest.

Since no one can know [yet or ever], there would be no accountability for not knowing, nor could it be likely at all that there is any invisible Great Accountant or smart alien in charge of everything around and about us. To the mind it doesn't compute that it can't know something, for that is its job; thus, many try to fill the gap with ideas that they wish for. What's left to do? Life. Not much choice about that.

#### Bio-Electrical-Chemical

Brain cells (neurons) have a hundred billion connections among them, their "firing" depending on their inputs. Electricity carries the "message" through the length of the cell to the gap (synapse), where the message turns to chemical (neurotransmitters) to take it to another neuron(s) wherein it becomes electrical again, and so forth. Your brain neurons have been arranging their connections all your life. It is what you have become, molded by

your experience and learning. You are a bio-electrical-chemical being.

#### Receiving and/or Producing Thought

The whole universe gave rise to our general mammalian characteristics and direction, we becoming more specifically defined by our particular DNA and our unique encounters with the environment around us. So we became, as the brain's associations and memories made our individualized selves which, normally, are consistent, but ever added to through learning and discerning. Some, lucky enough to have that inclination, gain more choices from the wider reflections of a larger base of information.

So, you could say that the inputs to thought are received and analyzed by the brain, which then produces thought, which may give rise to action or fed back to produce further thought. So, our consciousness is never the first in the production line, it even having to wait for the brain to do its thing, but more like in the middle, if results feeds back, or the end, if they don't. Sometimes, just a simpleton part of the brain reports something and so the final discernment has to wait for a more global analysis, or not, if someone, unluckily, is merely just reactive.



## The TOE is Causeless, Thus That is the TOE

### From 'Nothing' to Eternity

Our reasoning has led us to the answer of the origin of things, via what had to be ruled out: There cannot be endless causes beneath causes; therefore, intuitive or not, something like the quantum doings are totally causeless, just as we observe that realm to be. Cause is only of our realm. It is only human to think of more and more cause, ever deeper. It is also human to just abandon this firm notion of cause and declare the existence of the most supreme Life that there ever could be, God, suddenly loving the notion of the causeless that was just previously so unacceptable.

Anyway, these causeless doings like the quantum's are the potential that was always around. Since the potential is an undefined chaos, there is no problem having it having always been around with no initial definition, since it doesn't have any. Generally, definite things themselves come and go back to this potential, but a lot remain outside as real and are rather enduring, as our universe.

So, this potential is as simple as it gets, next to Nothing, of course. This potential has no mind, for that cannot be constituted out of more funda-

mentals, because there aren't any, for the potential is the ultimate basis. Now, most simple things combine and/or go through phase changes, leading to more complex composites or forms. Nothing, not existing, and not being able to, but threatening to, is the simplest state of all, so, it might just jiggle about. You might say that is why there had to be the potential for things; otherwise... Nothing. And it would still be 'here'.

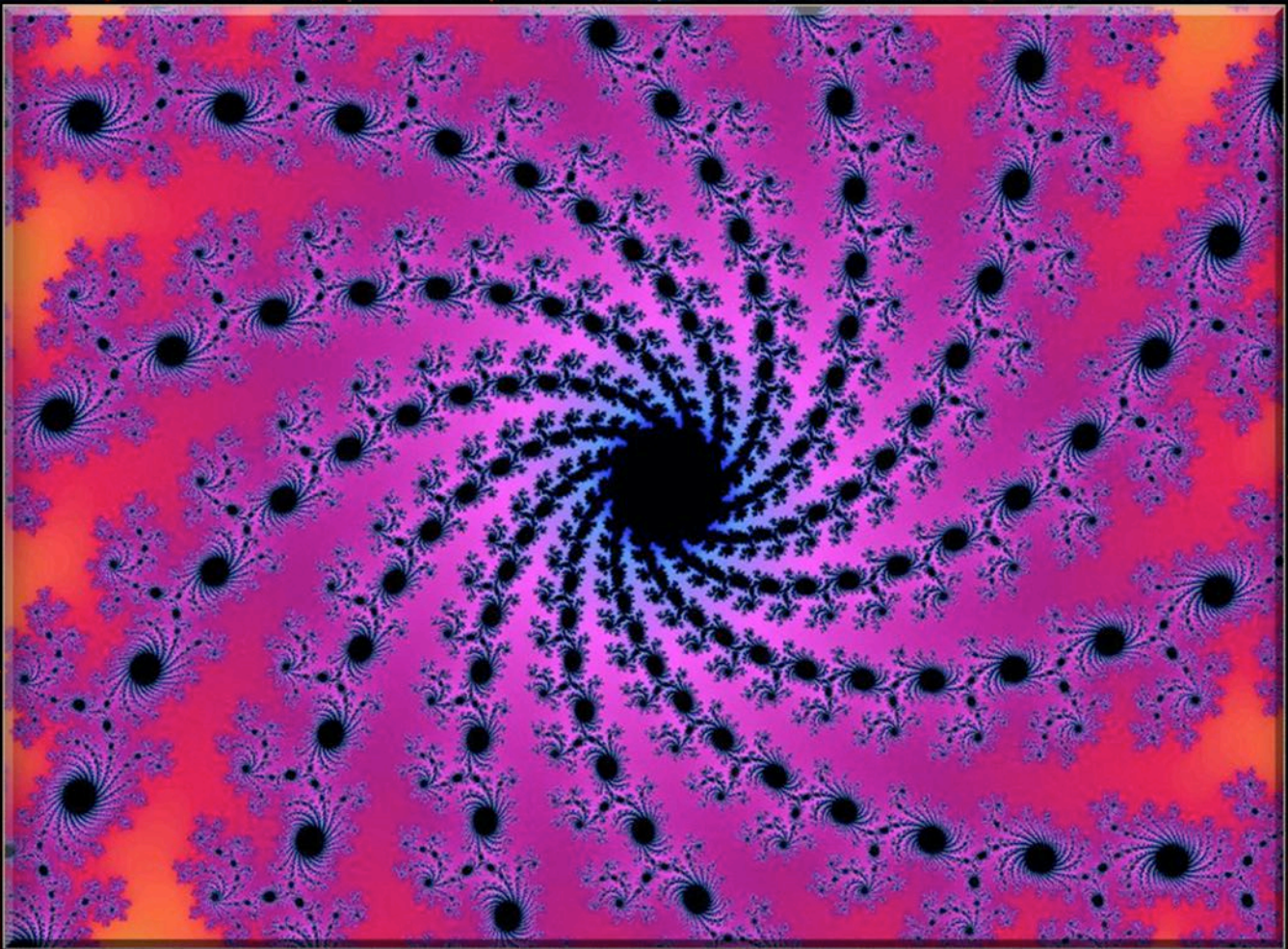
We have perhaps reached the end—the TOE. Is it satisfying? Yes, in the sense that we, looking back, always observe ever descending simplicity in the ever efficient Nature. We didn't really expect to find some ultimate complexity sitting around there at the simplest point, did we?. We are free to be.

The causeless, although it must be, is also the state that is that is really the most 'magical', for anything can become of it.

*—Austin of Poughquag, NY, USA, Earth, North America, the Solar System of Sol, Orion Arm, the Milky Way, the Local Group, Virgo Supercluster, the Universe, the Multiverse, Possibility, Uncaused*







Contexts fade—much relevance has escaped  
These stupendous structures of many shapes—  
Colossal wrecks form alien landscapes  
At which dwellers can but wonder agape.

