

The Cosmos of Time

*A radical new insight into the structure and
essence of the Cosmos*

by

The Wizard of Cap Malheureux

Hans Schicht ©

Contents

The Essence of Time	page:	04
Time the Key to the Cosmos		05
Science's Misconceptions		07
The Moment of the "Now"		10
The Absolute Speed of Time		13
Cosmic Time in Resumé		16
The Bubble Universe		18
From second to third Dimension		20
Time and Electricity		24
The Flow of Time-Electric Energy		28
Energy counts Matter does not matter		29
Dimensions and Mathematics		32
Recoil replacing Gravitation		36
Cosmic Mechanics and Hypothesis		39
Inter-Dimensional Relations		44
Prof. Halton Arp		45
Matrix compared to Systemland		49
Viewing the Cosmos		51
The Age of the Universe		53
The Building-Blocks of Systemland		56
Systems and more Systems		59
Systemland's Design		64
Universal and Cosmic Communication		68
Resonance		72
Cosmic Programming		75
The Netherworld		81
Universal Metabolism		82
The Living Universe		83
In a Nutshell		86
Thoughts		90

“The Heavenly Design” Poem	94
Human Relations	100
Bionomics	103
A Confused Science	106
Conclusions	107
“The Universe” Poem	108
Metabolism affecting Earth and Mankind.	111
Recoil and Red-Shift	114
Charting the visible Universe	116
The Pyramids and Poles	117
“Holy Cow”	119
The Author	122
“Listen” Poem.	124
Epilogue	126

‘Every great advance in natural knowledge has involved the absolute rejection of authority’.

Thomas Huxley

Great spirits have always found violent opposition from mediocrities. The latter cannot understand it, when a man does not thoughtlessly submit to hereditary prejudices but honestly and courageously uses his intelligence’.

Albert Einstein

The Essence of the Cosmos of Time

The Universe consists of the three dimensions of 'Time' layered in steps of mathematical power, as per Maxwell: $T_a T_a^2 T_a^3$ (and not as Science presumes of three earthly dimensions of space: height, width and length and one of relative time)

Born out of Point Zero singularity

Time, the first dimension T_a , is defined as the Force that propels the Universe with the absolute speed of light into the Future.

The from point zero spreading bow-wave of the Force of Time creates the next higher dimensional step of the Universe in the form of

an expanding sphere:

***The Matrix, T_a^2
Time's second dimension on the steps of power***

The induced time-energy circulating on the Matrix's surface sustains an

electro-magnetic field that surrounds the Matrix T^3 , the third dimension on the steps of power.

*Energy currents on the Matrix clash into super-fast rotating vortexes that mutate an overflow of the Matrix's **time-energy into H1hydrogen**, and embed it in the Matrix's surrounding electro-magnetic field.*

H₁, hydrogen is the basic atom out of which, pressured by the Recoil Force, all the higher atoms originate that make up our

***Visible Universe of Matter $T^3 (m.c^2)$
in time's highest step of power.***

That is the way our Universe is structured.

Time, the Key to the Cosmos

The revolutionary new insight into the structure of the Universe described here sprouts in its entirety from having succeeded in establishing **an exact and fool-proof definition of what Time stands for**. A definition Science has *never* achieved, or bothered to formulate till today.

*To get to grips with what
The Universe is all about,
Do look inside to find
What keeps the 'All' together.
Do not get lost in super-symmetry
Or specialized confusion.
Look inward for simplicity
Instead of outside complication.
Look for the root of matter:
Time-space's intrinsic essence.*

To get to grips with the new cosmology, the reader is advised to put all present ideas and theories of what makes the world go round, aside. Start from scratch by looking at the Universe and Life from a different angle with the open mind of a child.

Although the new cosmology runs counter to established scientific concepts, in reality, the basic pillars whereupon this young philosophy rests are one and the same as the ones underpinning the old established order. It is the *interpretation* of basics that has led to the divergence.

In no way, however, will a member of the scientific elite ever go back on his own interpretation of events he has been teaching his whole life.

Not a single academic will ever want to be drawn into a discussion about something extraneous to his established concepts.

As Alfred Kahn, in his 'Foundations of Scientific Revolution', speaks rightly of the inability of good reasonable people to accept facts outside the paradigm of their chosen scientific belief.

From the twenty odd scientific publishers and other institutions, inclusive of the Royal Society London that I notified of my new concept of the Cosmos, I have received but two answers. One politely mentioned that they would appreciate receiving my further publications about the subject. The other, a private one from a member of *Nature Magazine's* peers committee, encouraged me to try to publish elsewhere.

Opposition is understandable, because my new concept will force many an astronomer to retract his teachings.

After the establishment of the $e = mc^2$ equation and the absolute speed of light, new break-through scientific achievements shine by their absence.

The western scientific establishment is calcified. Universities are controlled by corporations, insider fiefdoms and politics. New ideas are smothered in the bud by the behind-the-times entrenched peers of the scientific media, Wikipedia being no exception. What is urgently needed is basic restructuring of the educational system and by clearing the way for the publication of new grassroots ideas bypassing the entrenched concepts.

The next chapter shows how and why I lost all confidence in the scientific establishment and went my own way.

Science's Misconceptions of Universe and Matter

- Science sees the Universe as *a spatial-volume* of near emptiness. Where undefined energy circulates, scattered archipelagos of dead matter drift chaotically around with only one chance in a zillion, that matter might create life.
- A Universe, where three separate geometric *co-ordinates*, (that Science incorrectly calls dimensions!) of height, width and length are bound *together* and *sub-ordinated* into what is restricted to *one sole third dimension* of volume, that holds the whole of the Universe, thereby negating the existence of the eventual underlying *inter-dependent* first and second dimensions!
(See chapter Dimensions)
- 'Time' was glued onto their *geometrical* structure as the *fourth dimension*, without Science ever first having succeeded in defining "time" itself and establish the inter-relationship between time, space and matter. Time for Science is purely relative and undefined.
- Their Universe is held together by 'gravitation', without ever having defined or analyzed where the force of gravitation and 'mass attracting mass' originate!
- A Universe where events depend purely on *internal* mechanics and where extraneous influences have never been taken into consideration.
- To validate the Big Bang, Science invented an initial *hyper-inflationary* period where the newly born Universe expands faster than Time. Faster than Time? They must be kidding!
- Science has as yet not found the whereabouts of the 93% of matter and energy missing. Neither has it found any anti-matter, in order to validate *their* present concepts. Science is now

desperately looking for ‘dark and grey energy’ to fill the gap, but until today nothing has yet been found, let alone proven!

- No matter or energy sucked into *their* Black Holes, passing through space-time funnels and reappearing somewhere else far away in the Cosmos, has ever been traced back by Science.
- Science’s concept of a *three-dimensional* Universe contradicts the indisputable evidence of the parallel lines found on the MWBR (microwave background radiation) by the Hubble spacecraft, which only allow for a two- *dimensional* Universe.
- Referring to Science’s concepts about matter, waves and energy:
Besides their energy and direction, sub-atomic particles have *never been proven to exist as tangible matter*. Without proof, particles are nothing but flimsy constructs, leading to erroneous theories.
- One moment Science explains light as waves and the next as particles, whatever is more convenient.
- Science has found no answer as to why the law of conservation of energy is not always upheld and why particles and energy pop in and out of existence.
- Until today Science has not been able to define any common law or equation combining gravitation, electro- magnetism and the nuclear strong and weak forces.
- No new break-through theories have been pioneered for the last one hundred years. Only technical advancements have been made.

Science has more problems on hand than resolved. So Science should stop proclaiming haughtily that it is near explaining the workings of the Universe. Science is still light-years away from it and on top of that, going in the wrong direction!

One by one Science's misconceptions will be proved wrong here and replaced by more solid and logical concepts of the workings and real structure of the Universe. It does not help looking further and further out into the Cosmos or adding strings or dimensions. It does not help using better and better telescopes, microscopes or bombarding particles with ever-bigger cyclotrons. The trouble lies with Science's self-anointed 'peers'!

The whole present misconception of the Cosmos has to be thrown out including the peers. What is needed is a return to basics, guided by fresh, clear and overall thinking.

To that end, Science should go all the way back and restart with Maxwell, accept deductive philosophy as valid evidence for scientific proof, and discard the restriction imposed by *its* own misconception of a Universe of *volume* where only material and observable evidence carries validity. Without the former, any dimensions inside or outside our familiar third dimension will stay excluded and Science will not be able to advance.

The greatest mistake Science has ever made is using the time factor in multitudes of scientific equations, without ever having first analyzed what 'Time' really stands for.

Science is going to regret this little neglect!

The Moment of the ‘Now’

My point of departure was that **without Time, there will be nothing, neither matter, energy, light nor life.**

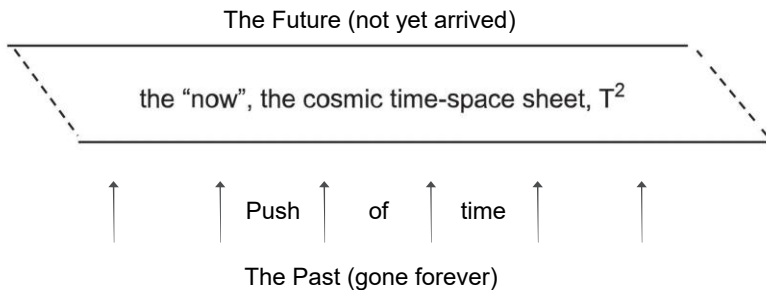
So I started out with **Time, the precondition of everything.**

As far as one is able to look into the Cosmos, Science has established that all physical, mechanical, chemical and nuclear events, under the same conditions of, for instance electric fields, electro-magnetic fields, temperature, density, pressure or gravity, all progress in equal time spans.

This implies that the speed of the passage of Time must be the same for wherever one finds himself in the Cosmos. This conclusion consequently validates the concept of ...

The time-sheet of the equal moment of the ‘Now’

Graph I:



*The zero distance between the past (gone forever) and the future not yet arrived proves **irrevocably** that the in-between time-sheet of **the ‘Now’** is a **two-dimensional plain.***

The graph clearly highlights **Time's divergent *dimensional* aspect between the Arrow of Time and the relative time-sheet of the 'Now'**.

The **Arrow of Time** shows as *absolute and one-dimensional*. It propels the second-dimensional time-sheet of the 'Now' in its *wholeness* into the future with steady and absolute speed.

Our familiar **third dimension**, complete with its inventory of matter and events, is firmly *rooted onto the second dimension*, as will be explained further on by an analysis of $e = mc^2$, where the third dimension shows being subject to and falling under the rules of the second-dimensional time-sheet of the 'Now'.

All and everything that forms part of, or relates to the time-sheet of the 'Now' (--↔--)) might fall under the theories of Relativity, but...

For *each event on its own*, the *absolute speed and advancement of the Force of Time* counts first!

Without the by Viennese University Prof Hasenoehrl's established equation of $e = mc^2$ plus his colleges findings that the **speed of light is absolute**, I would never have arrived at my revisionist view of the Universe.

Some 20 years after Hasenoehrl's $e = mc^2$ achievement, Einstein appropriated $e = mc^2$ as being *his* personal achievement. Same way he appropriated Prof Lorenz his Relativity Theory as basis for his dubious General and Special Relativity theories. His own achievements shine by their absence.

I don't see Einstein as super intelligent, except for his wizard mathematics and copying from others. Having studied Maxwell's electric and electro-magnetic field theories, where Maxwell clearly speaks of *invisible layers of potential energy magnitude* underlying our known world of three dimensions, he never caught on to the idea of *separated* but *interrelated* dimensions.

Einstein stayed stuck in the established theory that we are living in a 'Space-Time Continuum', a volume with three dimensions of space and one of time added, taking the three *co-ordinates* of length, width and height together as one concept, as one volume. Would he have delved a bit deeper into Maxwell's findings that there might be something more besides our familiar geometrical dimensions, he might not have gone down the wrong path.

Neither Einstein, with Science running devotedly behind him, have ever bothered or managed to find a proper definition of Time. If Einstein had, he might have discovered that not only does Time have the *double* aspect of being **relative and absolute**, but that Time is an absolute and *one-directional Force* in itself and that the Universe *must* be structured in *separated* but interdependent dimensions. If his Theory of Relativity had stayed within the limits of the relative aspect of events *restricted* to the two- dimensional time- sheet of the 'Now', he would not have come to some mistaken conclusions as for instance:

- that astronauts travelling up and down to Mars will have aged less than people that stayed at home on Earth and, that when approaching the speed of light, length shortens, mass becomes infinite and time contracts.

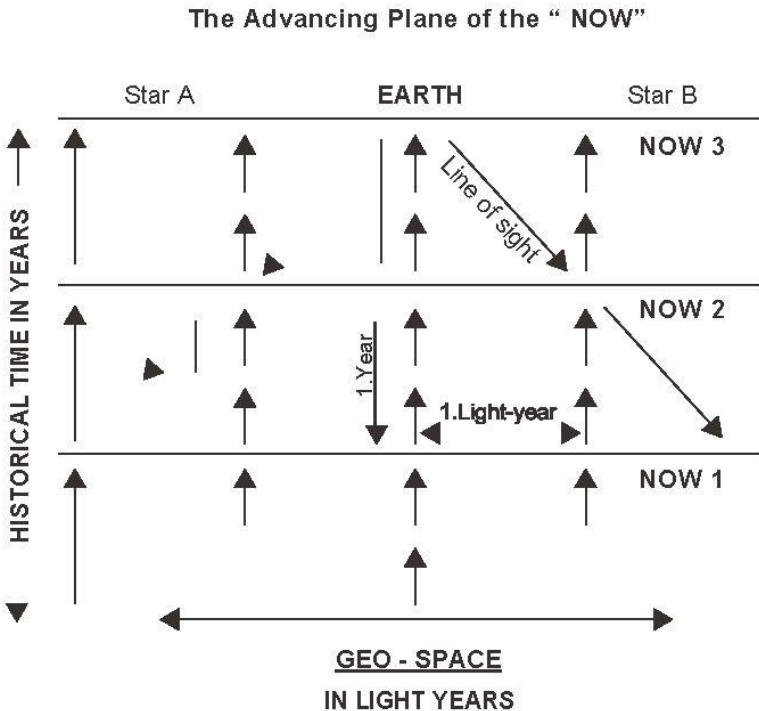
As for each event *on its own*, Time will always fall under the absolute, universal, one-dimensional and one-directional *advancement into the future* of the *whole* time-sheet of the 'Now'.

In our third-dimensional part of the Universe, being part of the 'Now' that we belong to, all referent third-dimensional events will always have to be seen as *subject to both aspects of Time*, but with absolute time having preference.

By their misdirected devotion to Einstein, Science has lost more than a hundred years of advancement.

The absolute speed of Time

Graph II



The graph combines the first and second dimensions of Time: the historical advancement of Time (measured in vertical lines) versus the relative geometrical time lapses *within* each individual time-sheet of the ‘Now’ (horizontal lines).

The force of advancing Time pushes the time-sheet of the ‘Now’ at a 90 degree angle into the future. If this were not the case, then Time would advance irregularly for different objects and events.

As we cannot measure the advance of universal Time (vertical lines) directly from our Earth, we have to find our way around by observing the movements of objects around us in the sky.

It compares to driving in a car. You cannot guess your own speed by looking into the rear-view mirror, but you can guess your speed by looking sideways and comparing the advancements of other objects. The same holds for checking on companion stars.

In Graph II we arbitrarily entered a distance from Stars α and β to Earth as one light-year (a light-year is the distance that light travels in one year), marked in the graph on the horizontal 'now-2' line.

After one earth year, when the α and β star light, coming in from their 'now-2' positions, reach the Earth, all three, the Earth and the two Stars, travelling on a same 'now-sheet' -, will be arriving, the very same moment, at *their* cosmic geometrical 'now-3' positions.

We establish here that the *real geometrical, horizontal distance* from the Earth to Stars α and β , put as one *light-year*, covers an identical value for the *historical vertical passage of time* from 'now-2' to 'now-3' or one *earth year*!

And so will *all* real geometrical, horizontal light-year distances in space to any object be identical to the vertical historical **passage of time** from their original 'Now' to their present 'Now' positions.

Conclusions Graph II:

The *historical* passage of “Time” equals the *time measured as distance*. That makes the speed of the passage of historical time equal to the speed of light and consequently absolute.

The ‘Arrow of Time’ of the first dimension advances the ‘Now’ of the Universe, including all third-dimensional matter floating on top, with the *absolute speed of light* into the future.

Having now found in the speed of light an *absolute value* to measure time-space, why then should we keep on measuring the Cosmos with relative values?

It is Time that organizes and rules the Cosmos. Distances into the Cosmos as well as distances into the past, it is all the same. **The structure of the Universe and all it contains is based on and is dependent on the three-dimensional structure of Time.**

Cosmic Time in Résumé

The view we get of any cosmic object in the Universe that comes out of its past will travel with the speed of light toward the ‘Now’ of any observer. The past of the whole Universe flows with the speed of light toward the actual ‘Now’ of the observer, wherever stationed in the Universe, and includes the observer stationed on the same object observed.

Thus, our own passage of time from the past flows with the speed of light toward our ‘Now’ and on into the future. The trouble is however, that no observer can see his own advance into the future and his own past fading away, although he is able to see anybody else’s advancement and fade-out.

The advancement from the past into the future with the speed of light equals the very passage of time. And so it must be that ‘Time’ itself advances with the speed of light! With the ‘speed of light’ found absolute, so too is the speed of Time absolute.

As established that nothing can travel faster than light, which now also means that **nothing can travel faster than Time**. Besides being prisoners of the time-sheet of the ‘Now’, we cannot travel into a future that does not exist yet, nor back to the past that is gone forever.

Hence: no time machines and no time-travel!
Neither a Big Bang expanding faster than Time.

With the advance of Time found absolute as T_a , Newton’s validity of the ‘Now’ in the Cosmos has also been confirmed, **confining the whole Matrix of the Universe to a *two-dimensional* time- sheet: T^2**

This conclusion of *two-dimensionality* was reached by me in 1999 and was also confirmed by the parallel lines found in the microwave background radiation, the MWBR, by the Hubble Space Observatory in 2001. Parallel lines only allow for an absolutely flat Universe.

As everyone knows:

In the same month, July 2000, that my first short edition of the CWW, the *Cosmic Wide Web of July 2000* saw the light, the science editor of the *Financial Times*, Clive Cookson, published an article in the *FT* called the '*Riddle of the Flat Universe*'. Therein he describes the Hubble Space Ship's recent discovery of parallel lines in the cosmic microwave background radiation, as ripples etched in the expanding cosmic fireball dating from only 300,000 years after the supposed Big Bang. Parallel lines are lines, which will never touch and their existence requires a mathematically *flat* Universe.

I was exalted at the time to see my deduction that the Universe must be flat was thus confirmed by the Hubble, a deduction I had arrived at earlier on along a different way.

But wait, then came the big surprise when the president of the American Association of Astronomical Science himself spoilt the Hubble finding totally, by adding: 'Of course, the Universe is not flat in the every-day sense of being smooth and two dimensional like a sheet of paper. **As everyone knows**, it has three dimensions of space and one of time.' Amen!

There was the great opportunity for Science to break into new territory, but one single gaffe closed the door.

The Bubble Universe

The flatness of the time-sheet does not necessarily have to be a straight sheet. Mathematically parallel lines **also allow for the shape of the Universe to be like the homogenous curved flatness of the surface of a hollow bubble sphere.**

In that case, instead of having an unimaginable immense Universe like a totally straight two-dimensional time-sheet, open at all borders and stretching to indefinite infinity, we could also be living in:

A closed, finite Universe in the shape of a two-dimensional bubble, with its *surface* and all it contains (not volume as there is no content inside a bubble!) expanding outward, with the advancement of time.

The expansion of our Universe is as simple as a sound wave. It travels with equal speed from its center-point of origin outbound in all directions as *an expanding sound-bell*.

In front of the wave, silence still reigns. Only during the actual passage of the advancing wave will the sound be heard. The sound lives on the crest of the advancing ‘now-wave’ between the past and the future. After its passage, the silence of nothingness returns.

A Universe expanding as a bubble also simplifies the question of origin for the Force of Time. Not as originating from a parallel flat broad source but from a central **Singularity**: from **Point Dimension Zero**.

Having found that Time advances with the speed of light and that earth years and light-years are equivalent, our earthly time should now be expressed in terms of the *absolute* speed of light and not to something relative like the pendulum of a clock or the ellipse of the earth around the sun!

Therefore, looking back in our own history, we should rather state, that grandfather died three ‘light-years’ ago, or that the dinosaurs lived sixty million ‘light-years’ ago.

Although we are found speeding away from our past with the speed of light, neither ourselves nor anything else we see around us on the ‘Now’ sheet seems to be making any effort to advance into the future.

Thus **Absolute Time - T_a - of the first dimension must be a Force - T_e - as well.**

What transpires is a *two-dimensional hollow Matrix-Sphere* of the ‘Now’, as the center part of the Universe. Initially in its childhood the Sphere expands like a soap bubble into the future, pushed outward at a 90-degree angle by the Force of the Arrow of Time T_e .

But how do we get now to our third dimension?

N.B:

Before proceeding I want to remind the reader that when I talk about the ‘Cosmos’, I am referring to the greater home of a manifold of Universes that might or might not exist. And when talking about the ‘Universe’, I am referring to the Universe as our home ground.

From The Second to the Third Dimension of Time via $e = mc^2$

The first dimension of Time, the *extraneous* Force T_e , advances outward from a Point Zero Singularity into the future with the absolute speed of Time T_a , thereby creating a *two-dimensional bow-wave* on the surface of the expanding soap bubble of the ‘Now’.

The advancing surface of this soap bubble represents the passage of the moment of the ‘Now’.

As we and all the other three-dimensional objects that are subjected to and are part of the two-dimensional passage of the ‘Now’, are separated from the past which is gone forever and the future that has not yet arrived, then we and everything else that is third dimensional must be *rooted* in the ‘Now’ of the second dimension T_a^2 .

Forget about Einstein, years earlier, Austrian scientists had already established the *absolute* speed of light and Prof. Hasenoehrl had arrived at defining his $e = mc^2$ equation. Without these two achievements, my own theory would never have seen the light of day. Basing my theory on both of their findings, I now feel justified in combining Hasenoehrl’s $e = mc^2$ with my own definition of Absolute Time as being the *Force* that changes and propels everything in the Universe into the future with the absolute speed of light:

- Firstly by substituting the e in $e = m.c^2$ with the more specific t_e standing for *time-energy*.
- Secondly, as the speed of absolute time t_a equals the absolute speed of light, by replacing c^2 with t_a^2 .
- Thirdly by valuating the m as an *additional* energy component to t_a^2 , to be attributed to *an overflow of energy on the Matrix*.

The equation now composed of *three* components, automatically upgrades to **the power of the third dimension**, where it becomes part of our world of matter.

Subsequently, after having replaced $e = m.c^2$ with $t_e = m.t^2$, we are now free to define an atom as **third-dimensional encapsulated time-energy**.

Following up on the above, I postulate that all that counts for one single atom should also be valid for all the atoms in the whole of the Universe combined.

Hence this equation should forthwith be **upgraded with capital letters from atomic level** and be validated for and encompass **all third-dimensional atomic ‘matter’ combined in existence in the Universe**:

- T_e the referent Energy of Time that becomes encapsulated via the second dimension into the universal third-dimension,
- T_a^2 the positive time-space surface of the second dimensional Mother Matrix it forms part of,
- M the mass/energy of surplus energy originating from the Matrix that has been encapsulated in the atoms,
- Resulting in $M.T^2$ representing all the third-dimensional ‘matter’ that the Universe contains.

The changeover to $T = M.T^2$ makes the now upgraded equation the perfect key to unlock and understand the **triple power structure** and workings of the entire Universe, beginning with the relationship and connection between the third and the second dimension, established by the $M.T_a^2$ equation.

We live in the Third Dimension of the Time, $M.T_a^2$, time-encapsulated, which we will call by the name ‘Systemland’ from here onward.

Solid, basic support for a **dimensional steps-of-power structure** of the Universe comes from **Maxwell**.

By establishing their mathematical relationship **Maxwell discovered two layers** in the structure of the Universe: he found that the quantities in the second layer (our third-layer) are *quadratic or bilinear* combinations of the quantities in the first layer (our second-layer).

Maxwell's two-layer structure of energy fields implies that *the basic processes of nature are hidden* from our view. It confirms that it is impossible from our third dimension to spot and look into the second dimension.

Regrettably Maxwell at the time did not see that these layers of power represented *dimensional steps-of-power*.

Also *Quantum Mechanics* indirectly supports a dimensionally-layered structure of the Universe in various ways:

It is revealing that Quantum Mechanics only becomes needed when changing from the outside of the atom to the inside. *The change-over* points strongly toward *different playgrounds* and a **border between outside and inside**. Non-standard mathematics is needed to analyze and describe events for inside the atom.

Quantum events cannot be analyzed on an individual basis and can only be described and defined by analyzing their *mass behavior*. But by using *mass behavior*, we might as well forget about quanta and their mechanics!

Whatever: the shorter the time-span between quantum events, down to the Planck Constant, the more quantum events will smooth out and become like waves anyhow.

The quantum uncertainty principle states that **position and energy** of particles cannot be defined.

Quantum Fluctuations: Inside the atom is an incessant dance of quark particles flickering in and out of existence. All attempts to observe individual quarks have failed till now, this fact has led to:

The quantum law that states, that *particle energy is not always conserved* and can be violated for a brief space of time.

The answer to all these quantum enigmas lies with the *dimensional steps-of-power separation* between our Systemland and the Matrix. Once understood, it is easy for instance to explain quantum fluctuations as frontier appearances of waves of stray Matrix *quanta*, popping in and out of Systemland and back. The waves curl up just long enough to be spotted in Systemland before spiraling back into the Matrix.

Thus *the law of conservation of mass/energy is upheld*.

The inside of the atom is a world on its own. It projects the *transit-stage* between the second-dimensional Matrix and third-dimensional Systemland. Where the atom on the outside is third-dimensional and one hundred percent Systemland, the atom on the inside although it *holds* nothing else but second-dimensional energy is no longer purely second-dimensional. All the energy inside the atom is but *imprisoned energy* that has lost its ability to roam freely around like on the Matrix proper. But what can we do when Science keeps sticking obstinately to quantum mechanics as being part of and sub-ordinated to the restricted geometrical world of third-dimensional matter, the only world Science knows and recognizes!

So far Maxwell and Quantum Mechanics supporting the New Cosmos to a certain degree.

N.B.: Quantum Mechanics implies a **grid structure** for the Matrix and repudiates the concept of a Bose-Einstein *Continuum*. I challenge the reader to delve into this question by his own efforts!

Time and Electricity: the same animal!

What we do know is that electricity is a force, can be transformed into several forms of energy and can be sent through cables to work where we want it. Electricity is something strange that flows best through metals cooled to near zero degrees Kelvin and compressed flat toward two-dimensional space.

What electricity is not in our new Universe, is the flow of electrons as *particles*. Here we do not recognize particles.

What Science calls electrons are actually energy *waves* flowing through the electric and electro-magnetic fields, either *freely* or *subject to restraint near Systemland matter*.

And whereas electricity on the two-dimensional surface of the mother sphere and inside all encapsulated energy will be undulating in two-dimensional waves, the waves in the surrounding electro-magnetic mantle have the greater freedom to move in three dimensional waves in a three dimensional ambiance. This in conformity with Maxwell's equations of electricity and electro-magnetism which Maxwell found are separated in steps of power from the second to the third dimension.

The flow of electricity in our third dimension is bound to encapsulated energy or "matter", for instance through wires, whereas electro-magnetism, for instance light, flows freely.

Superconductivity experiments have established that:

- Electricity flows with less and less resistance the more its medium of transmission approaches a *two-dimensional state*. This was established when ultra-thin polymer sheets were sandwiched between metallic electrodes.

- Electricity also flows with less and less resistance the lower the temperature till it reaches the Bose-Einstein Continuum stage of superconductivity, touching *Zero Kelvin*.

The behavior of the flow of electricity nearing two-dimensional space and decent to Zero Kelvin points strongly to some kind of change-over from one less conductive and restraining medium to a freely conductive medium: the change-over from the third to the second dimension. The latter could be either in the form of a super Bose- Einstein Continuum- or a Flatland- Matrix.

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The Matrix surface points towards being the ideal home and medium for free-flowing electricity, whereas Systemland shows itself as a restrictive medium, where rising temperature, an expanding spatial environment and decreasing density throttles the flow of electricity until finally at an advanced stage, Flatland's second- dimensional dominance makes itself felt again.

As electric flows seem to depend on a smooth passage through the second dimension and are encountering restrictions on their way from atom to atom, I concluded that it be must be the internal encapsulated two-dimensional energy field *inside* the atom which serves as the conductive medium for the flow of electricity and not the *outside* of the atom! The following examples will help to support my view:

- The higher the temperature of the medium, the more excited the atoms, the more varied the orbits of the electron waves, the greater the obstacles and the slower the flow of electricity.

- Up to a few thousand degrees Celsius the situation reverses when the electrons orbiting the atomic nuclei become detached, enter the plasma stage and regain their freedom as conductors.

- With the density of matter in an expanding third-dimensional ambiance decreasing, the flow of electricity disperses, becoming less focused and concentrated.

- Until inside the expanding space, the little remaining Systemland 'matter' no longer suffices in maintaining third-dimensional Systemland conditions and the second-dimensional Flatland rules re-instate themselves as the ideal conductive ambiance for electricity.

-When electricity flows through Systemland from atom to atom, it experiences resistance and loses part of its energy in the form of calories.

-Electricity needs an unrestricted connecting field to flow freely, which it finds on the second-dimensional surface of the Matrix, **in the form of basic 'Time-Energy'**.

A most convincing argument for the equivalence of time-energy T_e and electric-energy (electricity as we know it) comes when T_e is compared with an electric motor:

The layered structure of the Universe shows all the characteristics and dynamics of an electric motor.

It fits in with **Maxwell's Field Theories** of electric and electromagnetic **layers of power** (upgraded *here* to dimensions) and **Fleming's right-hand-three-finger rule** where:

- the index finger shows the direction of the current,
- the middle finger *perpendicular* to the index finger represents Maxwell's electro-magnetic field and
- the thumb, again *perpendicular* to the index finger's electro-magnetic field, shows the direction of the resulting mechanical force.

Compared to the three dimensions of *our Time- T_e* where:
the index finger as the Arrow of Time indicates

- the energy flow of the Force of Time T_e , the first dimension,
- the middle finger *perpendicular* to the index finger shows
- time-energy T_c creating the Matrix's surface, T_a^2 , and
- the thumb again *perpendicular* to the index finger shows the resulting time-energy magnetic field $m.T_a^2$, the home of Systemland and all surfing energy.

The conclusion can only be: Time and Electricity must be the same animal and identical as:

- the *electric force* coincides with our cosmic *time-energy T_e* and
- Maxwell's electro-magnetic field and the Matrix's time energy field T^2 overlap.

The Flow of Time-Electric Energy

Time-electric energy of the first-dimension propels the Matrix into the future. Surplus energy overflows onto the Matrix's surface.

In the same way that electric currents circulating in our Systemland are surrounded by an electro-magnetic field, so is the time-electric energy circulating on the Matrix surrounded by *its* third-dimensional time-electro-magnetic field.

This e.m.-field provides the three-dimensional space for electro-magnetic energy waves to travel freely within and simultaneously serves as 'home' for all the energy once encapsulated from the Matrix into $\mathbf{m.c}^2$ 'matter'. (See chapter: cosmic mechanics)

The electro-magnetic field surrounding the Matrix is the sole home for the *totality* of all the third-dimensional 'matter' in existence in the Universe, the stars, the galaxies, the gas and dust clouds, including us!

The original flow of T_e energy onto the Matrix, next to propelling the Matrix into the future, is the source for the creation of all the 'matter' floating in the surrounding electro-magnetic field.

By estimating the total of the present third-dimensional matter in existence in the Universe, we should get a rough idea of the total energy that came in from the outside, that must have been consumed in the processes since the early days of the Universe.

As I envisage the Universe as a living-being from birth to childhood, to adult live, to independent manhood and finally death, as explained further on, I see the cosmic T_e energy input firstly going into the growth of the young Universe. When growth slows down, remember: the surface of a sphere expands with the square-root of the radius T_e and the Recoil Force makes itself felt, the T_e energy will turn from growth to filling the surface of the Matrix in the form of electric currents that clash regularly, creating Astro-Vortexes that encapsulate the T_e energy into 3dim matter to spew it high up out into the overlying e.m. mantle. But thereover later.

Energy counts, Matter does not matter

One of the basic concepts expressed here, is that matter is a temporary state of energy and not the other way round as Science wants us to believe that electricity in the form of electrons is a fundamental property of matter.

*All of that we think is matter,
From quanta to the greatest stars,
Are only composites of energy,
Born out of localized upheavals,
Sporadic and of temporary nature,
Dispersed throughout the clouds
Of energy encapsulated,
Surrounding like a cloak the Matrix.*

Has anybody ever found ‘real matter’ besides encapsulated matter? It is said that matter is built from molecules, with oceans of open space in-between. So in order to find ‘real matter’ we can discard the space-in-between and proceed by just concentrating on molecules. But molecules are said to be composed of atoms with even more space-in-between. So again we forget about the oceans of empty space-in-between and forget about the molecules themselves to get down to ‘real matter’. So now we look at the atoms.

But atoms are said to consist of ‘particles’: electrons, neutrons and protons, again with endless space-in-between. Comparing volume and content, we might say that in general the molecule, the atom and sub-atomic distances compare roughly to cosmic galactic, stellar and planetary distances.

After again deducting all the empty space and considering that the molecules and atoms themselves are nothing else than composites of energy, we now have our last chance at looking for ‘real matter’ among the sub-atomic particles.

Although we have been hearing more and more of such ‘sub-particles’ of matter being ‘found’, and which have been given the strangest names, in reality **particles have not been found or proven to even exist!**

Only the *directional and energy characteristics* of ‘something’ can be observed in sub-atomic collisions. But these ‘somethings’ can mean anything and do not necessarily have to be ‘matter’.

Up until today, particles are only useful *constructs* that cannot be isolated and studied individually. Besides, scientists that talk of ‘having struck a hard object’ with their nuclear bombardments as being proof of ‘matter’ are cheating themselves! A hard surface does not have to be ‘matter’. It could be the banging into the Mother Flatland Matrix itself!

On top of that to think that everything the Universe holds exists but on the fleeting moments of the time-sheet of the ‘Now’. Then, where is the substance?

I cannot view the playing around with “particles”, looking for “anti-particles” and the search for “*the Higgs particle*” as being nothing else than just a waste of time and a waste of billions of Euros spent by CERN with tax-payers money!

The search for these non-existing particles by grown-up Scientists looks to me like little children patting on a puddle from different sides with different forces, creating multiple wave patterns that crash into one another, causing varieties of wave-tops of which they then measure the characteristics!

Up until today **no ‘real matter of substance’ has ever been found or proven!**

If all the emptiness is taken out, only t_e energy curled up in Systemland atoms is what remains for our three-dimensional world, our 'Systemland'. Galaxies, stars, molecules and atoms are just energy *nodes* and *intersections*, parts of a Greater Design.

Only energy and its relationships are for real. But alas, we Systemland creatures will never be able to come directly to grips with the three-dimensional energy world. Only by indirect deduction might we have a chance.

A whole new world is beginning to unfold in front of our eyes. A strange, finite, but initially steadily expanding Grand Bubble Matrix, the Spine of the Universe, whereupon our little scattered and fractured Systemlands are floating.

Blindfolded Science cannot and will not see beyond its homely Systemland borders and desperately brings every observation and event under Systemland rule. Observing and calculating quanta as a state of Systemland matter, instead of putting quanta where they belong: into the realm of the second-dimension. Science till today still attributes the hidden Matrix's energy solely and exclusively to Systemland in the form of *dark and grey energy*.

Science's misconception of a Universe of tangible matter has to make way for the concept of a **Universe of floating integrating forces and energy without substance.**

If you wish you can *call* the atomic *encapsulated* energy in its wholeness three-dimensional *matter*. But *inside* the atom everything is and will stay two-dimensional!

Dimensions and Mathematics

The characteristics and interpretation of ‘dimension’ as described in this essay does diverge substantially from the current reigning scientific interpretation of what defines a dimension.

Science’s view of dimensions is derived from our earthy third-dimensional experience of length, width and height. For Science a dimension depends on the number of *geometric co-ordinates* defining it. Thus a line has the dimension of one. A surface, such as a plane or the surface of a cylinder or sphere, the dimension of two. The *insides* of a cube, a cylinder or a sphere the dimension of three. With time added, the structure of the Universe becomes that of a four-dimensional space-time continuum.

Science’s co-ordinates show as *part* of the third-dimension and only exist within the third-dimension and are *not independent*. Science has left many questions referring to their co-ordinate structure of the Universe unanswered. For instance: - which co-ordinate represents height, which one length, which width? Which co-ordinate is to be eliminated first? Length, width or height when wishing to regress from the third- back to the second- dimension? Where does one look for the center of the Universe? How are co-ordinates based, how do they intersect and how do we establish their relative angles?

Science has blindly taken our three familiar ‘*earthly dimensions*’ that are anchored on a horizon and on vertical gravity and super-imposed the earthly structure on the whole Universe, where the ‘anchors’ of horizon and vertical gravity are non-existent, thereby ignoring the possibility of the existence of any *independent* first- or second-dimensions. Adding the fact that Science has never bothered with defining what their fourth-dimension, ‘Time’ stands for, then one can appreciate Science’s thoroughness!

Discarding Science's flimsy concept of a Universe structured by co-ordinates-lost-in-time, I turned to Maxwell and his unassailable discovery of *layers* in the structure of the Universe, separated by **mathematical steps of power**. Regrettably Maxwell at the time did not recognize that these layers of power represent *dimensional* stages in the structure of the Universe.

The First-Dimension of Time: With equal force and constant speed the Arrow of Time directs and changes all and everything around from the past into the future. As far as we can observe and define: all chemical, physical and electro-magnetic events happen, proceed and develop in the same order and way with the 'passage of time' from wherever we look out into the Cosmos. If Time would not be homogeneous this would not be the case.

To measure the advancement of the passage or speed of Time, we take snap-shots, at fixed regular intervals, of our surroundings that are all prone to the passage of Time. For instant from second to second, from day to day, from year to year and so on. Their sequence reveals **the second-dimension of Time**, the advancing cosmic time-sheet, **the fleeting moment of the 'Now'**.

The fleeting moment of the 'Now of Time' represents the ever *advancing* and *changing two-dimensional* picture between the past that is gone and the future that is arriving. It is the *bow-wave* of Time, spreading out sideways at 90 degrees, *perpendicular* to the direction of Arrow of Time. The Matrix of the Universe, one step up on Maxwell's ladder of mathematical power, is two-dimensional and has no body. Its surface expands outward as flat sphere.

The Arrow of Time of the first-dimension propels the second-dimensional Matrix sphere perpendicularly to the bow-wave into the future. If perpendicularly would not be the case, the Universe would contain variable speeds and passages of Time locally.

An old movie projector provides a good example. Each following frame shows a constantly changing view of an ever advancing 'Now'. Each picture frame is flat and two-dimensional. One can look around in any direction inside each frame. The picture is and will stay two-dimensional with the details relative to one another. To pass from the two-dimensional 'Now' frames into the three-dimensional world of $E = mc^2$, the 'Arrow of Time' (the projector) advances the second-dimensional frames into the future. One power step up from the first-dimension creates the second-dimension. Together they create the third-dimension, another step up the ladder of power.

Just like an electric current through a wire creates and carries an electro-magnetic field around it, so will the energy flows circulating on the Matrix Sphere carry a surrounding **e.m. field** (electro-magnetic). This e.m. field holds all that constitutes **the third dimension of the Universe**. It is the home of all third-dimensional matter that the Universe contains and the great highway for all waves to travel on.

Third-dimensional matter finds its origins in the frequent energy collisions happening on the Matrix, which cause the colliding horizontal energy waves to pop **up into standing plasma energy-jets, perpendicular** to the Matrix (see next chapter). If not perpendicular, these standing waves would relapse back into the Matrix and not be able to encapsulate into third-dimensional atoms.

It is the **scale of power** with its perpendicular aspect that defines the true dimensions with their power links from the first to the second and on to the third dimension.

I herewith replace Science's definition of the structure of the Universe by co-ordinates with:

The Universe consists of three perpendicularly separated, independent but interlinked, dimensions of Time, separated by their steps on the ladder of power.

It does away with the first dimension as an integral part of the second, and of both as integral parts of the third-dimension.

The corrected structure has nothing to do with length, height or width anymore, nor with relative time. Iron-clad perpendicularity fits a Universe governed by Maxwell's electric and electromagnetic field forces. Fleming's Right-Hand-Rule, covering electric current, field and resulting force (encapsulated or not) confirms the same universal perpendicularity. The steps of power and *perpendicularity reject Science's view of the Universe in geometric dimensions in its totality.*

Forget about string theories, multiple dimensions, hyper-inflation and similar extravagances. Keep it simple. Modern math is like a language that you can twist as you like. One thing is math taken on itself going haywire, the other thing is math applied to the wrong structure of the Universe.

Although up to a certain degree, mathematics is a necessity in modern Science, its importance is greatly exaggerated. For myself, I do not trust 'modern' mathematics too much. It has become a bit like 'modern accountancy' where you can change debit into credit. For me, mathematics has become a barbed-wire fence erected by the scientific elite in order to protect their often-brittle theories from inconvenient truth incursions.

Recoil replacing Gravitation

The change from the Matrix's pure energy by *vortex* to encapsulated energy of the third dimension leaves the *two-dimensional surface* of the Matrix *horizontally distorted* in turmoil.

NB: There can never be a *standing, vertical* distortion of the *flat* Matrix, as the steadily advancing pressure of the Absolute Force of Time and the rule of Equal Time for the whole of the *surface* of the Universal Matrix will **never allow a vertical distortion of the Matrix or a dilation of Absolute Time.**

The more new matter comes into existence, the more the surface of the Matrix becomes *horizontally* distorted which automatically gives rise to a *counter-force*.

Science confuses and interprets this force as *the mutual attraction that mass exercises on mass* and calls it gravitation, but Science never bothered to establish the *origin of their* gravitation!

Gravitation is not a *mysterious* force where mass attracts mass but it is the **Recoil counter-vortex Force** acting in *the electro-magnetic energy field* surrounding the Matrix, that strives to pull all once-created matter and all the escaped encapsulated and spinning electron-waves back into the Matrix of the second-dimension.

It is the Recoil Force that holds all third-dimensional matter in the surrounding e.m. mantle locally-domiciled and leashed to the Matrix. It is not a mysterious gravitational force interacting *between matter*.

The Recoil Force reaches out from the Matrix, either directly or indirectly via galaxies, solar systems, planets and whatever else that floats around in the Universe, out to and *into* the very atom.

Whereas the *secondary black-holes* in Systemland only remold matter that, after remolding, falls back again into the *same* Systemland, as we will see later on, the *primary black-holes* are and serve as the *final recipients* for the *all* third-dimensional matter the e.m. Mantle may hold. In their end-stage all primary black holes and content will collapse in a 90 degree angle back into the second dimension and fan out horizontally back onto the Matrix's surface.

When in the process, the centrifugal spin-forces reverse their outward-pointing force into an inward-pointing recoil force at the event horizon, and the standing-waves collapse flat, then all the formerly induced horizontal surface distortions of the Matrix do resolve back into the surface's flatness. Re-entering the Matrix, the spins align, the Matrix surface returns to its original flatness and *the Recoil-Force is neutralized*.

The old concept of the workings of *primary* black holes has to be discarded. No longer as tortuous mysterious funnels exiting Systemland at one place and re-entering Systemland again somewhere away in the Cosmos.

But black holes *cut short*, where matter and energy spiral into the black hole via a flattening accretion disk and spin directly sideways back home into the Mother Matrix with the speed of light.

Recoil recapitulated:

Recoil is the Force, *rooted* in the two-dimensional *time-electric* Matrix, that acts *cross-border* into the surrounding higher three-dimensional *electro-magnetic* mantle, that pulls once encapsulated energy back into the Matrix for de-capsulation back into primary energy.

The **Recoil Force is the main force** in building, recycling, rejuvenating, managing and cleaning up Systemland.

On the *macro* scale, the Recoil Force first herds atomic matter together into conglomerations, flattens and spirals these into galaxies that it breaks up again in a final stage.

On the *micro* scale the Recoil Force guides the atomic and sub-atomic creation and recycling processes.

Each quantity of encapsulated matter circulating on the e.m. field that surrounds the Matrix finds its *counterbalance - proportional to matter created* - in the Recoil Force.

Einstein's General Theory of Relativity talks about the relationship between the *mass* of objects and the gravitational *distortion* of *space/time* around them. His General Relativity is based on Science's and the mistaken concepts of mass- attracting-mass in a four-dimensional space/time Universe. An incorrect approach, that might or might not bring the right results notwithstanding his errant misconceptions. But as we established, it is not the distortion of *space/time* by *gravitation* that makes light deviate, but the distortion of the *electric-magnetic fields* around celestial objects by *the Recoil Force*. Recoil Force strengths depends on the original energy injected into the Astro-Jets by electric current collisions on the Matrix and varies with the distance back to the Matrix. Like with a piece of iron nearing a magnet where *the pull increases the nearer the magnet*.

When the expansion period of the Universe slows to a trickle, the e.m. Mantle starts growing, the first light appears, the Mantle gets populated with matter and universal metabolism starts, only then will the **real redshift effect** make its appearance. It is caused by the *growing* distance between an observers position on the e.m.field descending with *increasing* speed back into the Matrix, and the more recently ejected celestial objects high up into the upper e.m.-mantle, where the recoil force is still weak.

In addition to our change of \mathbf{e} to \mathbf{t}_e and \mathbf{c}^2 to \mathbf{t}_a^2 we can now replace the 'm' for mass with the 'r' of recoil and so arrive from Einstein's $\mathbf{e} = \mathbf{m}\mathbf{c}^2$ to a revised $\mathbf{t}_e = \mathbf{r}\mathbf{t}_a^2$

There is only one Force in the Universe, T_e Time, T_a T_a^2 T_a^3 all other forces are but secondary to the main force.

Cosmic Mechanics, a Hypothesis

Whereas $e=mc^2$ shows the extreme concentration of energy inside the atom and Science studies the freeing of this energy for ‘alternate’ uses, our task will be to solve the riddle of how an atom holding so much energy gets into ‘being’ in the first place.

With the outside expansionist growth of the Universe slowing down to a trickle T_e energy will start joining the Matrix T_a^2 . This rerouted energy enters into the electric current circulation on Matrix’ surface and from there via Astro-Jets into *primary* matter creation onto the Matrix’ surrounding electro-magnetic mantle. It beholds the transfer of two-dimensional energy from the second-dimension into “matter” of the third-dimension. The problem with understanding this process is observation. As long as no matter has yet come into existence, no light messages of events do exist to tell us what happens on the Matrix.

My hypothesis holds that any *hidden primary* matter creation on the Matrix should run along the same lines as the *visible* mechanics of re-cycling and re-creation of matter we can observe intern in Systemland.

A closer explanation of *primary* matter creation is to compare the process with the *secondary* matter creation by **Quasars** and **Astro-jets** that we can actually observe in our *visible* world of Systemland and deduce back from there.

secondary matter creation from Systemland - back into Systemland

From novae, red giants, neutron stars, to white dwarfs, the Universe advances from the lightest to the heaviest atoms, to uranium and companions. Galaxies devour each another or join up into super-clusters. At the very end, oversized and over-

weight, they all are destined either to collapse back into *themselves*, into a new stage of matter, or back into black-holes, with a choice of passing straight back into the Flatland Matrix or, staying in Systemland, getting mangled and remoulded into new matter by *local* black holes, *local* astro-jets and *local* quasars.

It shows a Universe highly *dynamic and alive* and far from static, difficult for us nano-creatures to recognize.

primary matter creation from the Matrix to Systemland

with present knowledge I do see two possibilities for primary matter creation:

One possibility, but hidden to our worldly eyes, is where growing concentrations of energy on the Matrix could *explode directly* into third-dimensional matter. The mysterious, regular and widely-observed cosmic *gamma ray bursts* might be indicative of such explosions. But beyond these gamma bursts there is nothing else to stand on.

The second explanation is based on what can be deduced from the secondary matter creation of recycled matter and energy as happens in Systemland mentioned above and runs as follows:

The first stage of the *primary* process of energy being converted from the Matrix into matter would be *invisible* to us, because ‘*visible-matter*’ would not have come into existence as yet. Only in the final *consolidation* stage will newly-born dust and gas clouds begin appearing bit by bit. The Horsehead Nebula and Hubble’s Lagoon are good examples of freshly-created matter by

the Matrix.

Just like on earth, where high and low pressure weather systems form and their fronts occasionally collide, I see the roaming energy currents on the *turbulent* bow-wave of the Matrix forming localized concentrations of diverging energy potential. Every now and then their *fronts will collide* with one another.

Similarly, like on earth clashing weather fronts under pressure build up *vertically* into hurricanes and cyclones, I see the original *horizontal* energy waves of the colliding fronts clash and then flop straight up into *now vertical* 'primary' ***Astro-jets, perpendicular to the Matrix.*** The jets' accelerating spin sucks up energy from the Matrix's, thereby *distorting* its surface and creating forces of recoil and tension.

The many *bubbles and voids* observed throughout the Universe between galactic formations can most likely attribute their composition, structure and position to variations in the outlines between the underlying clashing energy centers!

When the jet's rotation nears the speed of light and its mouth narrows to single-wave diameter, the 2nd dimensional energy waves double into single, negative-positive fragments, encapsulate into H₁ atoms as electrons and protons under ultimate pressure, to finally be shot out from the 2nd into the 3rd dimension.

Hydrogen is the primary atom of our 3rd dimension. It is the basic atom and makes up 75% of the mass of the Universe. All the higher and heavier atoms derive from basic H₁ hydrogen.

Relative to matter being created and atoms joining up into ever greater conglomerate systems, will the original jet-vortexes open up and pass their kinetic energy on to the growth of the adolescent solar and galactic orbital systems.

This is how I see Nature extract *energy* from the Matrix, *convert* it into atoms that serve as the *building-blocks* to grow Systemland and maintain it. These building blocks at the same time serve as *storage for energy needed* to keep on feeding Systemland's livelihood and support its metabolism.

The Flatland Matrix feeds the adolescent Systemland with a constant stream of fresh encapsulated matter in the form of H_1 .

The Force of Recoil concentrates the fresh H_1 into gas/dust clouds. Star creation disks bear the first-generation suns with their planetary families. The first-generation suns bake the hydrogen into helium and the secondary suns create the light to medium weight elements. Atoms join together into molecules and these in turn, into molecular systems. Stars become overweight and explode, spreading and re-distributing matter far out throughout the Universe.

I emphasize here that all of the above described happens exclusively ***because of the relentless back-pressure exercised by the Recoil Force.***

My concept of secondary matter creation has strongly been influenced by the research on the birth of Galaxies done by Prof Halton Arp. The results of which were regretfully or, better said stupidly ignored and rejected by Science.

NB-1:

-*Primary* astro-jets and *primary* black holes provide for creation and recycling between the second and third dimensions.

- *Secondary* astro-jets and *secondary* black holes centered in galactic eyes are confined to Systemland's third dimension.

NB-2:

Science is presently debating which energy source is the most appropriate for mankind to exploit: either carbon compounds, radio-active minerals for nuclear power, or renewable sources like solar, wind or hydro power.

My proposal is to follow the way nature proceeds and try to extract hydrogen from nature's ongoing vortex building from the second- to the third dimension.

However, the main problem lies not that much to find the most practicable source, but to find a solution for *temporary energy storage*. Mechanical, chemical (batteries), caloric devices are already in use or being contemplated.

NB-3:

Like in Flatland, where each individual point wherever situated, is directly subject to the constant propulsion by the Force of Time, each object *wherever situated* on the third-dimensional electro-magnetic mantle surrounding the Matrix, will always stay directly subjected to the pull of the Recoil Force, that grows stronger and stronger with time the nearer the object gets back to the Matrix.

Overview of Inter-Dimensional Relations

First Dimension	Second Dimension	Third Dimension
Independence not recognized by Science -----	Independence not recognized by Science -----	Science and Einstein: Universe of three coordinates 3rd dimension encompasses 1 st and 2nd dimensions $E = MC^2$
	Transit-zone 2nd to 3rd- dimension <i>inside</i> the atom Quantum Mech.	in Systemland 3rd- dimension: <i>outside</i> the atom Standard Maths
New	Astronomy in	Steps of power *
First Dimension * Arrow of Time →	Second Dimension ** 2nd. Dimension energy → back to the Matrix Matrix of the 'Now'	Third Dimension *** Astro-Jets → Systemland ↓ ← black holes and recoil ← Intern-metabolism: local recoil → black hole black hole → local astro-jet recycling and redistribution

Professor Halton Arp

It was a pleasant surprise for me in August 2015 to stumble by chance on the writings of the late Professor Halton Arp, who was until 2013, Research Astronomist at the Max Planck Institute in Munich. Like me, the late Prof Arp was put into the dog-house by the ‘Scientific Elite’. That must be the reason it is so difficult to trace publications referring to his highly interesting findings. Personally, I hold the late Professor Arp in high esteem convinced that he was right on track.

In the following pages, I will describe Prof Arp’s ideas, adding my own comments in parentheses (H:).

Prof Arp’s initial work consisted of redrawing the map of the cosmic locations of quasar-related objects by disregarding the scientific interpretation of the redshift as restricted to estimate cosmic distances.

(H: There are *two* kinds of redshift, one, affecting the e.m. Mantle of the visible Universe, caused by the general advancement of Time, T_a , that is indicative of universal distances. The other one, caused by *local* events on the T_a^2 Matrix, unrelated to cosmic distances. Prof Arp used the latter, the local intrinsic interpretation in his research, disregarding the general one. As it did not make much difference where extreme redshifts were involved, it enabled him to relocate many quasar-related objects much nearer to home and into our local Cluster.

Prof Arp noted that quasars are not evenly spread over the sky, but tend to be more commonly found *perpendicular* to galactic centers at relatively short distances. Being that they might in some way be related to the galaxies. Prof Arp’s hypothesis was that quasars are local objects ejected from the core of active galactic nuclei. Galaxies with both strong radio emission and

peculiar morphologies particularly M87 and Centaurus-A appear to support Prof Arp's hypothesis. He also noticed that the related galaxies showed a much smaller redshift (H: *cosmic* redshift) than the quasars (H: *local intrinsic* redshift) involved.

Prof Arp turned to plasma cosmology, which shows empirically and experimentally that the energy, required to form galaxies and light the stars, could well originate from intergalactic power transmission linings in the form of cosmic Birkeland current filaments. That could make the engine in galactic centers a simple 'plasma gun' or 'plasma focus'. Black Holes are not required for Prof Arp's theory.

(H: not Birkeland filaments but Matrix energy, mixed with locally collapsed 'matter', is the cause of the high redshift.)

Prof Arp: 'The formation of 'matter' proceeds in *quantum steps*':

Empirical observations show that the higher the redshift of an object, the younger it is. Parent active galaxies spawn infant galaxies in the form of faint, highly red-shifted quasars. The quasars are ejected from the galaxy's nucleus, most often along the spin axis but sometimes in the plane of the galaxy.

By a process that is not understood by present particle physics, the redshift of quasars *decreases in discrete steps, or quanta, as they age*, grow in brightness and move away from the parent galaxy. At the same time, the ejected quasar becomes more massive and slows down, eventually becoming a companion galaxy of the parent.

High redshift objects (such as quasars) are aligned on either side of low redshift eruptive objects (often active galaxies). The pairs have equal positive and negative dispersions from a redshift periodicity value. This implies that quasars are ejected with quantized *intrinsic* (not Doppler, i.e., velocity) redshifts from active galaxies. Prof Arp outlines the empirical relationships

between active galaxies, quasars, BL Lac objects and galaxy clusters.

(H: The extreme intrinsic rotation velocities of the plasma on the galactic axis needed for the encapsulation of energy into atoms are the cause of the extreme redshifts.

That the simplest atoms appear first, with the more complex ones following, makes me wonder if the receding quasar redshifts in quantum steps observed with z as .061, .30, .60, .96, 1.41, 1.96, etc. could be related to the relative steps in atomic weight?)

Prof Arp again:

1. Intrinsic redshift decreases with age in quantum jumps.
2. The youngest ejected objects appear to have the highest redshifts. As distance from the active galaxy increases, the objects decrease stepwise in redshift, in consonance with quanta periodicity.
3. The objects also tend to increase in brightness and to slow down with distance. This implies that they gain mass as they age.
4. At about $z = .3$ and about 400 kiloparsec from the parent galaxy BL Lac objects begin to appear. They are rare, highly variable, and very bright in optical and X-ray luminosity. Some show evidence of star formation, which the younger quasars do not yet show. This means that the BL Lacs must be in transition from the compact quasar phase to a galaxy phase.
5. Clusters of galaxies, many of which are strong X-ray sources, tend to appear at comparable distances to the BL Lac's from the parent galaxy. This implies that the clusters are the result of the breaking up of a BL Lac.

6. Clusters of galaxies in the range $z = .4$ to $.2$ contain blue, active galaxies. This implies that they continue to evolve to higher luminosity and lower redshift.

7. Abell galaxy clusters from $z = .01$ to $.2$ lie along ejection lines from galaxies like Centaurus A. This implies that they are the evolved products of the ejections.

8. The strings of galaxies which are aligned through the brightest nearby spirals have redshifts $z = .01$ to $.02$. This implies that they are at the last stage of the ejection of quasars and their evolution into slightly higher redshift companions.

So far, so good Prof Halton Arp.

Maxwell's, Faraday's and Fleming's findings of stages of power in the structure of the Universe fit in nicely with Prof Arp's findings about the birth of matter and galaxies where astro-jets *perpendicular* to the galactic plane spew out baby galaxies-ex machina!

Prof Arp's research has inspired my own hypothesis of matter creation:

- matter is sucked up into a galactic mother vortex,
- an ever increasing but dimming red-shift reflects the spin approaching the speed of light,
- all matter involved disappears into the electro-magnetic field mangle,
- the vortex slows,
- the matter remolded in the mangle will re-appear bit by bit,
- the red-shift decreases and brightness increases, relative to matter created.

NB: see Chapter Cosmic Mechanics, matter creation.

The Matrix Sphere and Systemland compared

The Matrix T_a^2 is the center-core of the Universe. Propelled by the Force of Time, it expands as a two-dimensional soap bubble into the future. The circulating T_e energy spread by the Force of Time over its surface provides it with a three-dimensional electric- magnetic mantle that serves as the cradle and home of Systemland proper and all it contains. Additionally its mantle provides the overall e.m-field required for universal communication.

The main characteristic of the Mother Matrix is its two-dimensional, *absolute flatness*, rounded into a *perfect* sphere. Its perfection rests on two pillars:

- Firstly, for Time to be homogeneous for the whole Universe, every point on the Matrix's surface must have the same time distance from the same past.
- Secondly, in order to be a perfect bubble it has to accommodate all the respective T_e time- energy pressure equally divided.

When T_e energy is being encapsulated into $m.t_a^2$ atoms, the T_a^2 electric field gets distorted. This distortion in turn creates a proportional recoil force on the T_a^2 surface.

From micro to macro-scale, from atoms to galactic super-structures, **all Systemland matter is leashed to the Matrix by the recoil forces**, directly or indirectly via primary or secondary active or dormant black-holes.

Systemland is characterized by grainy scattered *volumes* of gasses, liquids and solids, all composites of *time/energy encapsulated* and scattered throughout the three-dimensional electro-magnetic field surrounding the Matrix.

Specific to Systemland is the dominant *influence* of the Recoil Force that underlies entropy, temperature, volume, and electromagnetic manifestations in the third-dimensional ambiance.

Systemland attributes its existence and growth in its entirety to the steady accumulation and flow of free energy from the Matrix into encapsulated energy. Systemland energy is *borrowed energy!*

Viewing the Cosmos

It are not photons or light waves, shot out from celestial objects that show us their presence. Celestial objects on their own would not have in a zillion the energy to spread their image to every single corner of the Universe. It is the Force and absolute “Advancement of Time” that carries the ever changing picture of stellar object’s, their characteristics! *piggybacking* to every point in the Universe.

This holds that every single point in the Universe can and does receive and send its own messages and information to every other point in the Universe. Thus, thanks to the Force and the absolute Advancement of Time, the whole Universe has become one entity, one integrated Being.

When Scientists thought they were measuring the speed of light, in reality they were measuring the speed of Time!

The object’s picture we receive reflects its characteristics, we can analyze. The time it takes to reach us shows us its distance from us. Light being coupled to Time, is the beacon that shows us the advancement of Time.

But a picture that reaches us, it does not present a stellar object in its present reality. I shows a younger age the further away and is not anymore there, where we see it.

Incoming pictures present us with an unreal, simultaneous mixture of far away and nearby objects, of older and younger objects thrown together at locations unrelated and time-delayed to one another.

Although astronomers unravel these puzzles with proven knowledge, regretfully they then use the wrong approach by mapping their outer-space findings by way of our *local* three-dimensional earth geography of length, width and height, whereas for example outer-space on the grand scale is bend around the Mother Sphere.

The great problem we Systemlanders have is that we can only see three-dimensional objects with our eyes and nothing two-dimensional.

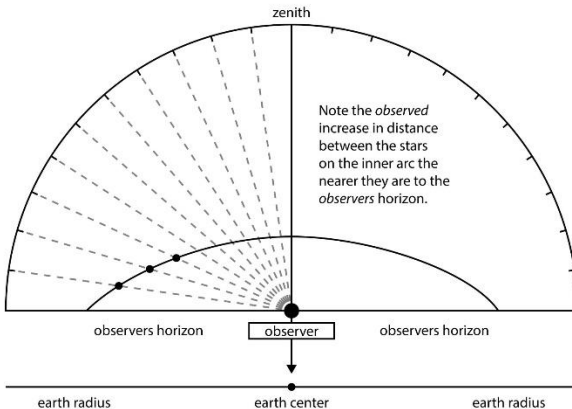
I will close this chapter with a teaser: why do celestial objects appear larger near the horizon than higher up in the skies?

It compares to a Mercator projection of our three-dimensional globe onto a two-dimensional map where latitudes and longitudes at the borders spread out of proportion, where Siberia appears huge and Kenya tiny.

The same distortion happens when star-lights from the three-dimensional cosmic dome arrive on the near two-dimensional surface of the earth.

And like on the Mercator chart, will the observer's view toward the horizon become ever more stretched and distorted relative to the zenith. A tiny moon in zenith can become huge when it dips toward the horizon!

The graph shows that the distortion is not a question of any mysterious cause but a simple question of optical lensing.



The Age of the Universe

Although visible light waves do cover only a minor part of the total spectrum of the e.m. mantle, they are most useful to explore the Cosmos. All other wave-lengths, from gamma to the longest ranges, are likewise appropriate and useful to explore the Universe with, but do need more specified instrumentation.

One should not to fall under the illusion that one is looking along straight lines of sight and into the insides of a spatial celestial ‘volume’, but **into the Mantle’s time/electro-magnetic field that blankets and curves around the Mother Matrix Sphere.**

This bend e.m. Mantle is **our window into the Universe.**

When we gaze at the stars, we see them all around us. It feels like looking into an unlimited volume that surrounds us. No way from our earthly observation point to recognize the structure of our Universe as a mantle covering a sphere!

Close to earth, the depth and thickness of the surrounding e.m. mantle can easily give the mistaken impression of being a homogeneous distributed star-dome that has the same density in whatever direction we look.

The e.m. field’s diameter and content must be proportional to the magnitude and strength of the time/electric energy circulating on the Mother Matrix, the way any e.m. field’s strength reflects the energy circulating in an electric wire.

The reached curvature of the *Matrix Sphere* will be indicative of the time period our Universe was expanding. The content and diameter of the e.m. *Mantle* above will be indicative of the time it must have taken to reach the Mantle’s ultimate size till the moment the influx of time/energy from outside stopped. But the time the Universe has lived from there upon on its own reserves and metabolism till today will be

hard to establish.

Science's calculation for the age of *their* one volume Universe is based on the time taken by the Big Bang (I do not believe in) , the birth of the MWBR (microwave background radiation) and the estimated ages of the oldest celestial objects still in sight.

Wikipedia:

< In physical cosmology, the **age of the universe** is the time elapsed since the Big Bang. Today, astronomers have derived two different measurements for the age of the universe:

- a measurement based on direct observations of an early state of the universe, which indicate an age of 13.787±billion years as interpreted by the Lambda-CDM concordance model as of 2018
- and a measurement based on the observations of the local, modern universe, which suggest a younger age.

Measurements of the cosmic background radiation give the cooling time of the universe since the Big Bang, and the measurements of the expansion rate of the universe can be used to calculate its approximate age by extrapolating backwards in time. >. So far Wikipedia.

With the Big Bang proved never to have happened, the observed MWBR must have another origin and as such has become inappropriate to measure the time lapsed since the birth of the Universe. I see the MWBR simply as a glow spread into the surrounding e.m. field caused by the time/electric currents circulating on the Matrix. Like all electric currents jumping from atom to atom show friction that radiates warmth.

The search in establishing the age of the Universe should be done in two parts: firstly the expansion period from birth till the end of adolescence and secondly the time passed since the first universal metabolic cycle started. A difficult task.

As per the equation that the radius "r" of a sphere relates to a surface as

$\langle r :: 4\pi r^2 \rangle$, the present curvature of the surface of the Matrix Sphere could serve as basis to interpolate the expansion of the Sphere during the time comprised by its childhood plus its years of adolescence. The question would then come down to of how to establish the curvature of the Sphere? Referring back to the e.m.field's diameter and thickness: there might be a chance to find a referent distant point-zenith in the night sky, where no more stars would be found beyond a certain distance, a point zenith from where the further we move away from, we will start seeing more and more stars the deeper we look into the cosmos.

The trouble is that neither the very Matrix proper, nor the energy flow collisions on it, let alone the one-dimensional inflow of energy from the outside, will ever be visible to man.
All these present the *invisible layers* of *magnitude* Maxwell refers to.

NB: *Wikipedia, Maxwell* :

The modern view of the world that emerged from Maxwell's theory is a **world with two layers**. The first, the layer of the fundamental constituents of the world, consists of fields satisfying **simple linear equations**. The second the layer of things we can directly measure and touch, consists of mechanical stresses, energies and forces. The two layers are connected because the **quantities in the second layer are quadratic or bilinear combinations of the quantities in the first layer**. To calculate energies or stresses you take the square of the electric field strength or multiply one component of the field by another. The object of the first layer, the **truly not directly accessible to our senses**. The objects we can feel and touch are on the second layer and their behavior is only determined indirectly by the equations that operate on the first layer. **The two layer structure of the world implies that the basic processes of nature are hidden from our view.**

The Building-Blocks of Systemland

Some 30 years ago I came across and got acquainted with the theory of the “Systems View of the World”.

I had never expected that my, by then already well established, views of life, death, society, the cosmos and religion, could still become so strongly influenced and even overturned by reading the “Systems View of the World”. The theory views the World as an amalgamation of hierarchical, interdependent and organized systems.

I used to ‘object-think’ when gazing out at the stars, the galaxies, the comets and looking through the microscope at tiny little objects or watching living beings in action. Observing *each object on its own merit*. With an ‘objective view’, I used to classify nature’s objects into categories, species and classes on their proper specific merits.

‘System-Thinking’ has forced me to start thinking the ‘other way’. Starting out by identifying and analyzing *systems and their functions relative to other systems* and only then, by looking for individual characteristics, components and eventual sub- functions. It also showed me that sub-systems can fulfil different functions from one system stage into another, even in unrelated systems.

It is function, organization and relationships that are important in nature and not the objects themselves.

Should man thus not ask himself: what is *my* function here on earth and what are the rules?

Three-dimensional Systemland ‘matter’ is born out of the two-dimensional Flatland. Surplus energy on the Matrix whirls with super speed into astro-jets that transfer the overflow of Matrix energy to the third-dimensional Systemland world. Here the energy condenses and encapsulates into hydrogen *H₁ atoms, the primary system that underlays* all the multitudes of higher interrelated systems that make up our Systemland.

It is the *Force of Recoil* (ex-gravitation) that concentrates the primary H_1 into ever more complex higher ‘atomic systems’, from helium to uranium, to atomic molecular conglomerates.

It is the *Force of Recoil* that concentrates the swarming clouds of cosmic dust and gas into star creation *disks* that bear the first-generation suns. These first-generation suns ever more compressed by the *Force of Recoil*, bake the primary atoms into the medium ones of the atomic scale.

The next step up the ladder happens when single-system atoms join together into *molecular systems*.

The second-generation suns, further compressed by the *Recoil Forces*, produce the basic atoms that carry what we short-sighted humans see as the only life-bearing atoms in existence: carbon, oxygen, nitrogen, sulphur, and phosphor, of which carbon is the most connective and versatile. It creates and couples multitudes of molecular systems with an additional choice for left-, or for right-handedness, whichever is the most appropriate for the specific creation to succeed.

But all these atoms, molecules, gasses, liquids and solids are not free. They all are interdependent by being part of, or interlinked through integrated system-upon-system unto super systems. Each system is dependent on the higher system it forms part of. Solar systems join up into galaxies, galaxies into galactic clusters, up to super-clusters. All together they compose our visible Universe.

The dependence and relationship of carbon, oxygen, nitrogen, sulfur, and phosphor, which are defined by Science as the only ones indicative of ‘life’, occupy in the overall hierarchy of interrelated systems, from hydrogen to galactic clusters, only a minute section.

In the light of system theory, there is no difference between an atom, a cell, a living being or a galaxy. The structure of each and every system is composed of the *functional organization* of energy within the greater concept of a changing ‘*Living Universe*’. They are all integrated and form part of the ‘*Whole*’. Not just the carbon chain, but all of them!

By their umbilical connection of their proprietary $m.t_a^2$ to the overall T_a^2 by the recoil force, each constituent Systemland atom and object is rooted in and interrelated on the Mother Matrix, the “Tao” of the Universe.

On the one side of the fence, we have the **astro-jets** sucking *primary* time-energy T_e up from the Matrix, remoulding the energy into basic encapsulated matter and injecting the newly created matter into Systemland. The Matrix’s astro-jets being the providers.

On the other side of the fence, we have the **Recoil Force** that concentrates and organizes the new matter into the building blocks for the growth and maintenance of Systemland. *The Recoil Force is the architect, builder and organizer* of our Systemlands part of the Universe.

But ... may we ask? By whose and what design?

Systems, Systems and more Systems

The human body is composed of a hierarchy of integrated systems. The nervous and brain systems, the respiratory, blood circulation, digestive and defense systems, sight, hearing and voice systems, touch, sense, motion and procreation systems and so on. Our bodies are also host to independent systems of organisms which have a life of their own inside us but function to the mutual benefit of both parties.

These symbiotic systems in turn are part of outside systems: the family, the workplace, the village, the nation, the tax system, the social security system and a multitude of other human systems. Next, *a fact generally ignored*, is that humanity forms part of our earth's bio-ecological system.

The basic systems for life on earth, as we know it, are the micro systems: the virus, the fungus, the cell, bacteria, and amoebae. Higher life could not exist without them.

External Symbiosis

That there is a one and only Force programming, coordinating, directing and holding the Universe together that manifests itself in the multitudes of existing symbiotic systems, that we can classify into three main groups: external symbiosis, internal symbiosis and overarching symbiosis.

External symbiosis is where for instance the livelihood of certain plants and animals depend on each other, or where plants depend on other plants and animals on other animals. It is where each participant fulfils his function. Or cross-wise, where for example flowers depend on bee insemination, plants produce oxygen for animals and elephants clean forests to make room for pastures for the grazers.

How did plants come to be dependent on fertilization by bees at the same time as bees became dependent on the plants' nectar? How did two totally different species, one a plant the other an animal, get together and combine their lives for mutual benefit? There are thousands of examples in nature where entire groups of plants and animals together form complete symbiotic cooperatives. How can Darwinism with its centric interpretation of individual life explain this fact of co-operation between species?

Internal symbiosis

How did symbiotic life, where multitudes of micro-animals help to digest food inside bigger animals, come into being? Then we might ask ourselves: who is the boss in our bodies: the mitochondria or us? How did genes ever get to serve so many different systems?

Overarching symbiosis

The answer lies in that the existence of internal and external symbiosis can only be explained by accepting an overarching, superior intervention of interrelated systems in hierarchical order from the top down.

Accepting that the interrelation of systems is guided by the Force of Recoil anchored in the Matrix, then it must be the Great Matrix itself where we will have to look for the blueprint of our Universe.

Development and improvement can indeed take place but solely under the guidance of and in line with the general blueprint of Greater Nature, and that change will never originate from individual needs.

Nature allows slight individual variations, but only if these remain within the context of the greater cosmic purpose and common wellbeing.

In integrated systems every member has a function, a task. It cannot just do what it likes with impunity. Humanity is going to find out sooner rather than later that all the irresponsible experiments with fertilizers, antibiotics, fungicides, herbicides and gene experimentation as well as our unnatural nutrition and living habits will bear consequences. Homo sapiens or Homo ignorante?

Life and not just what *we* call life, but the whole universal life on the greater scale is so integrated that it can only be a total unitary life: a Living Universe.

Everything locks together, starting with our little planet. There are climate systems, systems of ocean circulation, carbon, oxygen and ozone circulation systems. Algae have a strong influence on the surface temperature of the oceans and as such have a function in assisting in regulating the world's climates, as part of our planet's earth system.

Many systems are shared systems and many systems are being used over and over again for similar purposes in different locations with or without alteration. For instance, the same kinds of genes can be traced back in different plant and animal species, creating the same kind of proteins, serving the same tasks.

Our planet earth is like one integrated super system, like a single macro bio-cell! It consumes energy from the sun, needed for ocean and air circulation and for bio-life. Basking in the sun's rays, the earth's 24-hour day-night rotation creates the winds that distribute the clouds and air and all that they may contain. Its temperature is regulated by the carbon content of its atmosphere and the density of cloud-cover. Its oceans temper the fluctuations. It circulates the earth's crust and mantle in a slow but continuing process. Besides many other functions, most yet unknown, its magnetic field guides the solar wind and cosmic rays around our globe to avoid damage by cosmic hits.

It lives in constant interchange with the rest of the solar system and the greater Cosmos through roaming meteorites, occasional asteroids, and its passage through cosmic dust and gas clouds that are loaded with all kinds of elementary particles, atoms, molecules, even highly complex carbon molecules which might or might not include viruses, bacteria or other life carriers.

Being part of the Living Universe, **our Planet Earth turns like a sublime self-regulating breathing, living cell in its own right.** The mechanism of changing seasons by the inclination of its axis relative to the sun guides the heartbeat that keeps our planets circulation and metabolism going.

Species are compositions of nature's widely available standard bio-programs. Nature's databank carries a great variety of detailed programs for every creature: the skeleton, the digestive tract, eyes, ears and defence, locomotion, procreation and thousands more. Each species, each creation is fitted with the most appropriate program to suit the overall function it is created for. Where could this databank reside?

When external circumstances demand it, nature deletes the obsolete programs and installs better ones, wherever needed, retrieving them out of the Greater Nature memory bank as required. Individual species only have a limited degree for adaptation and improvement. Major changes are the result of central programming, as all the Greater System functions have to stay in concord.

The next step up from our earth biosphere system is being a member of the solar system.

The sun provides all the warmth and energy our life on earth needs. Our solar system in turn forms part of the Milky Way, our galaxy. Galaxies consume and create galaxies (see Prof H. Arp), suns and planets. All systems, be they micro or macro systems, are interconnected and integral parts of one or often several systems, up to the Master System of the Universe to which all belong.

The question is whether ‘organization’ is specific to Systemland, while the underlying Matrix stays chaotic.

It is most plausible that the Matrix is organized in its own way by wave and resonance patterns.

With Time T_e being the overall directing universal force, it would therefore be logical that T_e is responsible for the Matrix’s organization and rules, that are subsequently passed on to the overlaying Systemland.

Systemland's Design

Without the impulse by an overflow of T_e time-energy into T_A^2 there would be nothing. No $m.t_a^2$ encapsulated energy called 'matter'. No protons, no neutrons nor primary atoms like hydrogen, deuterium, helium, lithium.

Without solar furnaces, the heavier elements would not have been created. Without novae, the heaviest elements would not have come into existence.

Without the multiple linkages of carbon, the multitudes of organic substances would go missing, including us.

Without genes, life could not be organized.

Without recoil, 'matter' would not have drifted together or clustered to form composite structures. No galaxy would be there to bear off-springs.

Billowing cosmic gas and dust clouds, spiraling galaxies, quasars, super novae and solar systems are just as much part of life as cells, genes, viruses, mitochondria or bacteria.

Without the warmth of the sun, life on earth would not be.

Without galactic star creation, our sun would not have seen the 'light'. Galaxies are the nurseries of baby galaxies and stars. Galaxies are just as much part of life as we are.

One and the same purpose, one and the same design, are behind the creation of the galaxies, the suns, the atoms and organic carbon compounds, the genes and us. In the Cosmos, everything intertwines. Each new system can only develop having its roots in the preceding ones.

No new system can develop independently on its own. Each new development has a *function* and has necessarily to harmonize with and form an integral part of the whole.

Life is not the exclusive domain of carbon. Carbon has no life of its own. The matter that a living being is composed of has no life of its own. Genes are only blueprints. Carbon compounds are only abodes for the strange unknown force we call 'Life'. The same goes for the 'electrons' circling the atomic nucleus that are just pure conductors for the flow of the same force, but here called 'time-electricity'.

Life is not inherent to matter. Life does not come forth from matter. On the contrary: **matter comes forth from Life that roots in the Force of Time and brings change to everything. To live means to change!**

Life makes and then uses 'matter' for its purpose and that includes us. **The invisible Force of Time, Life and Change** is everywhere. Life has forged all that the Universe stands for. It runs and infuses the Universe, the galaxies, our planet earth in the same way that it runs and infuses us.

Our Milky Way is 'on the go' and spinning around. Dust and gasses swirl about through space. Stars are being born and die. The solar wind blows our earth in the face and pulsars pulse their messages towards the farthest corners of the cosmos.

Presently our Milky Way is pulling the two Magellan Clouds into its recoil field to digest them for their energy. Its spiral arms are like vertebrae keeping its structure together. In the center of our Milky Way lies a dark bouncing heart, a devouring black hole. The Milky Way possesses all the ingredients of a living being as part of the Universe: it has metabolism, it is changing, it is creating, and it communicates.

Regrettably, our eyes can only discern three-dimensional ‘skeletons of matter’ floating around in the Universe, thereby missing out on any indications of possible concentrations of two-dimensional grey matter, plasma or whatever, bound to galactic skeletons, that could be an indication of ‘something’ bigger, in the same way our skeleton supports our soft tissues. Compare it to being *inversely* restricted to roentgen-treated eyes, thus only seeing the skeleton and not the eventual creature.

The whole Universe is so interconnected and interdependent, so coordinated, so programmed, and conceived into the *finest details*, that it can only be a unitary creation, an all-encompassing Living Being.

Our little blue planet is just one among millions of other planets in the Milky Way. As the Milky Way itself is ‘life-infused’ and has its own life-cycle from childhood to maturity to death, then many more planets like our earth might be ‘ripening’ at this very same moment. The way all the fruit on the tree ripens during the same season. Thus Carl Sagan’s ‘Contact’, could be just around the corner.

With *our own* single Universe already showing all the characteristics of an independent living being, could there not be many other sister Universes around in the Greater Cosmos that are nursed by the same Force of Time? Or where the death of one Sister Universe might provide the energy feed for the growth of the next?

The *transit mechanics* from the first to the second and on to the third dimension, the *creation* of matter, the third-dimensional *recycling*, *metamorphosis*, all point to ***‘the Basics of Life’ running through the whole structure of the Universe, promoting the Universe to the level of a Living Being in its own right .***

A Living Universe was already suggested by the Greek philosophers Plato and Anaxagoras.

The laws of physics are so fine-tuned in favor of life that only a one-percent change in magnitude in these laws could already play havoc with the present physical structure of the Universe and would make life impossible.

Like a living being, the Universe in its wholeness and in detail absorbs *outside* energy, uses it to encapsulate atoms to serve as *building blocks* to grow its Systemland and at the same time use the atoms as *stores of energy* for later use. In short, the Universe lives, builds and recycles. But even the great Universe in its wholeness is destined to end when (its) *Time runs out* !

Universal and Cosmic Communication the “U.W.W.” and the “C.W.W.”

All-round communication is a must for a Living Universe. An integrated Universe needs a full exchange of information. When the **Universe is not only integrated, but actually living**, then communication must also be intelligent. Or the other way round: the more sophisticated universal communication is found to be, the more intelligent the Universe must be.

Communication surfs and piggy-backs on the electro-magnetic fields that surround the Matrix-Flatland.

Communication runs from simple passive messages, all the way through to highly refined, intelligent communication.

- By passive communication we refer to reflection of light or sound messages confirming the existence of an object or an occurrence.
- Active communication is when an object itself creates the message, in the form of light, sound or smell, like stars, a light bulb, a train or sulphur.
- Interactive communication takes place when a *reaction* follows the receipt of a message. Intelligent, specialised communication entails an intelligence centre or a brain.

In life based on carbon, internal communication is effected by electro-chemical reactions throughout the nervous system.

Short-distance Systemland communication is transmitted by sound, smell, temperature variations, pressure, by perception and most important, by the multitudes of electro-magnetic waves travelling in the e.m. fields surrounding the Matrix.

Additionally, types of communication, that we have no idea about yet should exist.

Eugene Marais, in his book *The life of the White Ant* writes that, when a termite hill is being damaged on one side, the termites on the other side react in *the very same instant*.

When about twenty years ago, a beetle pest began invading the forests in the NW United States, the chemical composition in the cells of trees although miles away, began to show defensive changes shortly afterwards. When panic strikes a herd of grazers, the panic spreads instantly and generally.

Long distance Systemland and Flatland communication travels by *piggy-backing on energy waves* traversing the *electromagnetic field*.

At whatever point in *our* Universe one finds oneself, one will always see starlight, or hear radio-wave signals. If one would be futuristically well-equipped, one could perhaps even be able to receive information from other kinds of waves or whatever available out there.

Everything around us has some communicating relationship to the rest of our Universe, from the smallest quantum to the greatest stars, to other living creatures and to Greater Nature. Regrettably, people have lost interest in the latter.

If one would be mighty enough, one might be able to ‘see’ and ‘know’ everything that is going on in our Universe. It is all there! **Every little object in the Universe is communicating** in some form, from passively to intelligently, somehow, someway, whether it wants to or not! Just ask Amazon or Google.

The human brain contains minute amounts of iron. Its neurons are sensitive to and communicate through electro-magnetic (chemical) impulses.

Five senses cover our external communication needs: touch and taste for contact communication, smell and hearing for nearby communication and with the eyes, communication from the nearest to the most distant objects and events.

Pain and well-being sensations are being taken care of by internal messaging by way of our nervous system.

All human communication is handled by our central brain. The brain digests the input, registers, ponders, compares with the data-memory, decides and dispatches its reaction according to the messages received.

In computers, we use electromagnetic hard disks for data storage. Iron offers the ideal medium for magnetism. As the percentage of iron in the brain is higher than in the rest of the body, we may presume that this higher iron content has something to do with our memory registration, the same way as the magnetic fields on hard disks register data.

Third-dimensional ‘matter’ in existence throughout the Universe is small in comparison to the surface of the Matrix and the e.m. field that the matter is embedded in. But in-between its wide-open spaces, on and around the Matrix that seems void and empty to our eyes, blind to all that is second-dimensional, including the surrounding sphere, all that is far from being void and unused!

Zillions of messages, light, radio or otherwise, surf along from one end of the Universe to the other on the time-energy-sheet. Every little point in the Universe is in correspondence with every other little point in the Universe, actively or passively and all that needs space. The *higher the frequency*, the farther and better long distance communication penetrates space.

For all traffic to run smoothly, the Matrix’s e.m. field must be able to offer harmonic hyper-fast conductivity from the *highest to the lowest frequencies*. Discordance would affect cosmic communication at its very foundations and could put the Universe in danger of collapse.

Frequencies also harmonize, tune and govern distances between atoms, molecules and their composites up to the varying distances between the planetary orbits in our solar system as per Bode's Law. The latter might be governed by ultra-deep sound resonance patterns. Our sun can be compared to a huge bell ringing out potential ultra-low-frequency sound waves that appear to harmonize the planetary orbits of our solar system.

Inside the atom, frequencies harmonize the distances between the respective electronic orbits in resonance.

Inter-Cosmos communication:

Communication in general in our Universe is covered by, but at the same time restricted to the e.m. field surrounding the Matrix. The question is if *our* Universe outside its own e.m. field could also be a part of and be included in a **greater U.W.W. (Universal Wide Web)** that might connect multiple Universes?

The extraneous **Force of Time** that keeps our Universe and maybe many other Universes ticking with time-energy, might at the same time by way of piggy-backing on its one-directional T_e also function as a carrier for inter-cosmic communication *between* Universes, where electro-magnetic fields are lacking.

Shared messages carried by T_e would *simultaneously* arrive at their respective Universes with the speed of absolute time.

But that does not imply a corresponding simultaneousness between the receiving end-stations themselves!

Cosmic communication is the sine qua non for an independent, *unitary*, Living Universe.

Resonance might also play a role in cosmic communication:

Resonance

Resonance might be one of the most neglected aspects in our understanding of the Cosmos.

With all the thousands of varying frequencies crisscrossing the electro-magnetic fields around the Great Matrix, harmony must reign among them. If not, then the Universe would be prone to disintegrate in dissonance. Compare it to music where selected frequencies combine in harmony or clash in dissonance.

Time works as the cosmic tuning fork. Without time, there is no movement, no vibration and no resonance. Without Time, there would be nothing.

The Force of Time creates, calibrates and modulates frequencies. Out of the multitudes of vibrating frequencies harmonious resonance patterns emerge.

Resonances produce harmonious mathematical patterns on the T_A^2 Matrix and surrounding e.m. fields. Resonance organizes. Resonance patterns on the Flatland Matrix might underlie the mathematics of quantum mechanics and the organization of Systemland's hierarchic systems.

Regrettably, as Systemlanders, we cannot peer into the second dimension and discern happenings and events in Flatland. We cannot recognize and compare organizational patterns in it. Thus we can only conceive Flatland as chaotic.

Since the birth of the Universe, there is resonance everywhere: a blanket of primordial resonance in the far away cosmic microwave background radiation was detected by the Hubble space telescope.

Resonance harmonizes, duplicates, advances, and multiplies in little steps, in big steps, in *fractals*, forming a natural '*time-metrics*', replacing *geometry*, for time-space on different scales.

And last, but not least, resonance is also a great communicator.

Energy and hence piggy-backing communication, flows with the speed of Time in a variety of resonance, wave and frequency patterns, un-modulated or modulated.

Resonance might underlie the workings of our brains, telepathy, inspiration, hypnotism, mass psychology and behavior. Pattern disturbances might lead to changes and mutations.

Like in Systemland, where systems are part of greater systems and of still greater systems, so may the resonance patterns on the Flatland Matrix be organized as sub-patterns inside ever-greater resonance patterns. Like violins, cellos, basses, etc. harmonize concerted.

We might think more within our little resonance patterns and live more by them, than we imagine. Maybe our Systemland brains serve more as dumb terminals and receivers of heavenly instructions than actively running independent personal programs.

Besides individual, little resonance corners, there should also exist common resonance ponds, that in turn belong to still greater resonance oceans. Family resonance, community resonance and national resonance would find their places there.

Telepathy, team spirit, hypnosis, mass hysteria, premonition, feeling, appearances and brain-waves might all be phenomena susceptible to patterns of resonance.

It is amazing how powerful the impact of resonance can be on people. Concerts, operas, jazz festivals, church music, national anthems, drums of war. For each occasion, a vibration!

Teilhard de Chardin spoke of a 'know-o-sphere' a floating mysterious region from where knowledge slowly descended

down upon us, released by God, as deemed proper.

I do not intend to go into much detail about spiritual phenomena in the present essay. But I would just like to mention that Teilhard de Chardin's idea of a 'know-o-sphere' might not be that far-fetched.

The 'Force of Time' sprouting from a singularity could be carrying genes of collapsed, former Universes with it onto the Matrix and spread their directives from there through-out the surrounding time/electro-magnetic field, the 'Field of Life', that connects all and everything in the Universe.

And I wonder if it is the matter floating in the e.m. field surrounding the Matrix that puts its imprint on the e.m. field or if the e.m.field is the 'neuron-network' that intelligently directs all matter and events in the Universe

Cosmic Programming

The discovery of chromosomes brought us the first evidence of Nature's programming, but it will not be the last!

DNA stores all information needed to create, build and maintain 'Life' and still much more that we do not know, in molecular carbon strings. There are additional special DNA strings for accessing, replicating, using and adjusting this information. Genes are the blueprints of carbon life.

DNA contains simple, repeated molecular instructions assembled in helices to create and guide carbon-based life as we know it. But why should only carbon-based life, one specific part of nature, be programmed? Why not everything? Could it be that not only carbon-based life is programmed, but that the whole preceding hierarchy of systems leading up to carbon-based life and onwards, has also been programmed? If the programming of our life is laid down in carbon-based helices, then where could the programs basic to general Life, the atoms, molecules, suns, galaxies and planets be embedded if such programs truly exist?

Atoms are composed of quanta and quanta are based in Flatland. **Could Flatland energy wave patterns hold the mathematical design for the structure of the overlying Systemland?** But from where could Flatland then in turn have got such designs? Could it be from the Force of Time Te?

Only some thirty years ago, ideas like these would never have come into my mind, but the microchip and computing has changed all that. After all, when working on a computer, in reality, we work in cyberspace! We work in Flatland!

Whatever we work with, electronic or optical computing, we compute in electromagnetic fields and electromagnetic fields are anchored in Flatland's electric field. We program instructions in zeros and ones, in positives and negatives, in all kinds of combinations, encode them and release them in pulses implanted on electromagnetic waves. **We program, so why could Nature not program in the same way, and why could Nature not program us as well?** But for that we would need to have a built-in ability to communicate with Greater Cyberspace. Could there be a little hidden antenna somewhere connected to our brains? Could it be our dusty sixth sense, which is meant to listen in to Greater Cyberspace? Everything in the Universe communicates. Why not us? And would such an antenna offer an intelligent connection or just serve as a dumb terminal?

Sometimes I wonder how much of my thinking I am doing actually myself, and how much might have been infused by the Mother Matrix or beyond?

Our Internet just saw the light. We now have our 'WWW', our World Wide Web. As the Universe already possesses an all-compassing e.m. energy-field, could it be that it also possesses its own proprietary **U.W.W. (Universal Wide Web)**, piggy-backing on its all-round energy field and using it to communicate universally and direct all that belongs to it? In that case we had better learn how to listen to **the U.W.W.** and less to our **WWW!**

Could there be a relationship between the strong electromagnetic field of our earth's iron core with life processes on earth and up to the Universe in general?

A thorough analysis of the *overall* electric and electromagnetic spectra from light to radio waves, to gamma rays, should go far to reveal all the possible and expected liaisons between Flatland and Systemland and for Systemland internally. Liaisons, which extend like strings of neurons and communicate by secure messaging.

For instance, neurons passing on timed instructions for growth and maintenance, ad infinitum. In short: for all that is necessary for directing a living Systemland by its Mother Flatland. Flatland's Matrix might hold the memory-bank of all the patterns and blueprints for all Systemland matter and its inhabitants!

*We humans do not count as much
As we would love to think
The most that mankind can aspire
Is be employed as temporary agent
Endowed with an induced intelligence
To do a job assigned to.
Imprisoned in a three-dimensional world
And blind to what's beyond.*

Sitting in front of my little computer, thoughts are running away with me. They are running in different ways than what I was used to. Computing not only gave me a window into cyberspace, it has given me a window into the Universe, into Greater Life. I do not think I am alone in having discovered this 'special' window. There must be many more cyber colleagues beginning to see these things and starting to think from a very different angle. Cyber Thinking 'the other way' starts with programming and looking from a 'non-matter' Flatland-world back into Systemland. Not the other way round. It offers quite a different perspective!

Computing and networking must be successful because it is so akin to what nature itself is doing. When we program in cyberspace on our computers, it means that consequently something, somewhere in our daily world will change. Could all the happenings in Nature, the Cosmos, in the big 'real world' have also been programmed? By Whom?

When we program and create, we link all pertinent parts. Nature does the same. We are life, Nature is life. Nature creates, we sub-create. The Force of Life has created and programmed, or 'willed' if you wish, us and all that surrounds us.

But be careful. Don't surmise that life is pre-programmed inflexibly! Nature is understanding and forgiving! Greater Nature needs flexibility and trial and error to find the best solutions for all and everything. That may be the reason life is not always a bed of roses!

If our Universe is directed as supposed here, then there are three forms imaginable for this directive to apply.

- It might have been a one-off directive built-in at the birth of the Universe, a directive restricted to the very birth of the Universe.
- It also could be an 'on-going' succession of directives over time infused by the Force of Time.
- Or it could be that every individual universal grain, however tiny it might be, has its own minute connection and share in an overarching Universal Intelligence and contributes in its own minute way directing the Whole?

The first two point to an externally directed Universe. The last one leaves the way open for a stand-alone, independent Universe.

To function smoothly, an independent Universe needs near-instant means of communication. Universal 'resonance' could fill the gap, as will be described in the following chapter. All atoms in the Universe vibrate along the same time impulses on the same e.m. grid. The resonance patterns thereof could well serve as the means for a needed *instant* input-output communication.

But besides the question of communication, would an *independent* Universe be able to propel itself into the future without the external input of the Force of Time, grow up, advance and prosper on its own account, once having received the initial push? Where could the energy needed for independence be found then, if not already induced at birth into the initial momentum of T_e 's energy flow onto the Matrix?

The answer is that the *over-time-accumulated* and *stored* sum of all the energy ever encapsulated from the Matrix to Systemland, from atoms to galaxies, could well suffice to provide all the energy needed to keep the Universe moving into the future on its own account for a long time.

The slight variation in the sequence of frequency impulses that keep time flowing in the same original positive direction, would be maintained.

Instant-communication and self-propulsion could let the Universe function perfectly well as an independent unit as long as Systemland's stored energy lasts.

The Great Programmer must have a lot of patience with mankind. Carefully He has tried to explain the same laws of life again and again to different apostles, adjusting His messages to different cultures and mentalities. But mankind in its zeal, jealousy and selfishness has made unrecognizable havoc out of the messages.

If each earthling would just sit down by himself, put up his antenna and listen and listen, each one alone by himself. Not distracted by fake guidance and distorted tales. Just listen and never ask.

*Today, misled by multitudes of hollow voices
Man errs around, confused and lost.
Estranged from Mother-Life.
Not knowing anymore to whom and where to listen.
Not seeing any longer, that he is part of all.
Gone wild, berserk, destroying in his folly
The Web of Life that Nature spun around our globe
So delicate, so finely woven ...*

All primitive religions in the distant past contained the basic truth: we should contribute to our earth, respect all other life around, the elements, our sun, the moon, the planets and stars.

But today all that is Nature has been discarded by present day religions. Today's religions are only about people and people and people's relationships with one another. Nature is forgotten! And that where we humans are so totally dependent on Nature while we are only of minuscule importance to it? Nature could not care less!

Understanding Nature and living by its rules is of much greater importance than what all the zealots and shamans, who keep purely to human affairs, preach.

Writing this essay I wonder if these are really my own thoughts or if it has all just been 'down-loaded'?

Fred Hoyle already wrote about 'the Intelligent Universe'. Intuitively, the great astronomer recognized that there is much more to the Universe than just matter churning around.

A cosmic wide web of communication and intelligence seems to be directing and holding the Universe together.

The Netherworld

Where is heaven?

Is that not the place, where we are supposed to end up after all is done and over for us earthlings?

Well, if one were now convinced that Systemland was created out of Flatland, maintained by Flatland, that black holes are there to return Systemland matter back into Flatland and that we belong to and are citizens of the same Systemland, maybe then we could expect to find our Netherworld there, - where our Systemland itself will finally end up -, and that would be in Flatland.

Heaven would not be far away and conveniently just around the corner, or maybe already inside us. When we die, our Systemland proteins would just stay behind, to be passed on for the benefit of other creatures still active with life, whereas our souls would quietly enter the Netherworld of Flatland and echo out in the big pond of Universal Resonance.

The blueprint for our material construction is inherited from the genes developed over time by our Systemland forefathers through trial and error over millions of years under the supreme guidance of the Force of Life. The spirit and the energy needed to get and keep our genes going, originate from Flatland. Our proteins are Systemland material, structured by the genes.

Our souls, linked by a personalized little black hole, are embedded in and guided by an intricate pattern of vibrating resonances in the all-encompassing electro-magnetic field of *Universal Life*.

Stages in the Life of the Universe

And Universal Metabolism

As our Universe behaves so much as a living being I have divided its life-time into stages: from Childhood to Adolescence and to independent Manhood. (see Video)

Childhood covering the period of growth and expansion fed by the Force of Time T_e .

Adolescence covering the period of the slowing down of growth and expansion, redirecting the cosmic energy towards the Matrix Sphere, loading the Matrix surface with T_e energy, encapsulating the energy, shooting it up in vortexes high up into the surrounding e.m. Mantel, filling it with “matter”.

Manhood, starting with independent metabolism between Matrix and surrounding e.m. Mantle. Sucking up energy from Matrix’ surface, spouting the energy by means of Astro-Jets high-up into the e.m Mantle, building it into steadily growing matter compositions to finally digest it back into the Mother Matrix to serve again and again the metabolic circle, now living off its own storage of energy, not dependent any longer on outside supply.

The age of our Universe will from now on have to be calculated as the time-distance the surface of the Mother Sphere has travelled from Point Zero and reached its ultimate size, plus a guestimate for the time the Universe must already be running on its own energy metabolism.

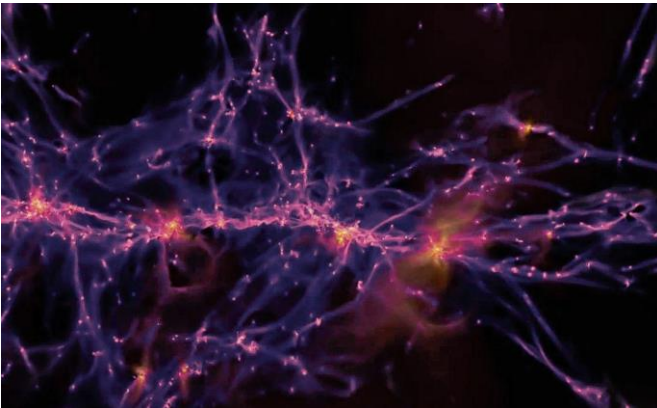
The Living Universe

The greatest revelation is that our restructured Universe contains all the ingredients for “Life” :

- It had a *beginning*, birthed by and nursed by the Force of Time.
- It *creates* matter that serves and as storage for energy and as building-blocks for the third dimension,
- It *growth* from atoms to molecules to multiple systems,
- It shows *metabolism* in the form of energy circulating between astro-jets spouting energy out into the mantle and the recoil of the gravitational fall-back into the Matrix.

Besides showing all the ingredients of Life, the way the Universe is organized could not have proceeded without certain *initial intelligence* input from the outside, that might have its origin in cosmic DNA injected in bytes into the initial feeding-stream of the Force of Time, developing to higher levels over time.

The Universe its neuronal system looks as spread out throughout the electro-magnetic field net of the mantle, where each tiny point in it is inter-connected.



Simulation of star clustering. Gas filaments in purple. Light emission in yellow. Courtesy Henry Katz / SPHINX Collaboration

The great astronomist Fred Hoyle even wrote a book about the subject, called ‘the Intelligent Universe. And an astrophysicist at the University of Bologna together with a neurosurgeon at the University of Verona claimed that the human brain resembles the Universe: ‘The structures of the perceptible universe, they say, are astonishingly comparable to the neuronal networks of the human brain”.



Courtesy Frontiers in Physics

But do not forget that the initial time-energy feeding-stream from the outside Force of Time into the young Universe will stop once it will have expanded to a certain size and has stored enough internal energy in the form of “matter” to advance from thereon on its own steam on metabolism.

The “Force of Life” plans and creates Astro-Jets converting time-electric energy into basic H_1 atoms. Like every action causes a counter-action and every force in Nature has its counter-force, so has the Force of Life its Counter-Force.

Its **Recoil Force** moulds the H_1 into multiple varieties of structures, then dumps all it created back into the Mother Sphere as pure energy. The Forces of Creation of basic H_1 and its Recoil keep on rotating and rotating , striving to improve its creations.

Once all stored energy reserves will have been used up, there will be no more Astro-Jets shooting up. Metabolism will grind to a halt. From where on the remaining Recoil Force does take over: cleaning the Mantle of all third dimensional matter left by directing the flow back toward the Matrix Sphere and from there syphon the energy content of the Matrix Sphere remaining straight back to its birthplace, Point Zero.

As every life comes to an end, so will our Universe.

And where does all this leave us humans, us minuscule microbes doling around in an immense Universe...?

We must learn to understand that we are part of an all encompassing Greater Life and that we have to live and act according its rules and laws in order to fit in and survive.

Cosmic rules and laws should become our holy grail to build on and not what all the shamans imposed on mankind.

In my earlier printed Cosmos edition and on the earlier web-page www.cosmos-of-time.com I mentioned already some important laws and rules of Nature, I call **bionomics**. Through zillions of years Nature has advanced through trial and error till the best of the best resulted. So we better trust Nature and do not interfere!

N.B.:

1-Jul-2022 Carnegie Science Earth and Planets Laboratory study: Life played a direct or indirect role in the formation of almost half of known mineral species on earth, such as by creating an oxygen-rich atmosphere that led to 2,000 minerals that wouldn't have formed otherwise. Life is **the** cosmic imperative that emerges on any mineral- and water-rich world.

In a Nutshell

Established and proved:

- the speed of the **passage of Time equals that of light** and is likewise absolute,
- the Universe consists of **three perpendicularly- separated, interdependent dimensions of power, all three of 'Time'**,
- the **extraneous Force of Time T_e** , the first dimension, originates from a **Singularity**,
- the Force creates the second dimension, the Flatland **Matrix T_a^2** ,
- the Force fills the Matrix with *an overflow of time/electric energy*. This time/electric energy circulating on the Matrix's surface is responsible for the corresponding **electro-magnetic field** that surrounds the Matrix.
- the Matrix in turn creates the third dimension, our Systemland, by way of **Astro-jets** encapsulating the Matrix's energy to produce the H_1 atom, the basic mother atom from which all the higher Systemland atoms derive.
- the Force of Time propels the Matrix and dependent Systemland *together as one unit* into the future with the **absolute speed of time**.
- the Matrix T_a^2 is a *closed Sphere, first expanding then advancing steadily with the absolute speed of Time into the future*.

- the **Astro-jets** cause *distortions* on the Matrix's surface and give rise to the **Recoil Force** (ex-gravity) which, coiled to restore the distortions, keeps pulling Systemland matter back toward the Matrix.

- It is this **Recoil Force** that keeps the whole of Systemland *leashed* to the Matrix!

- The reciprocal activity between the astro-jets and recoil forces projects the mechanism of the **universal metabolism**.

- The electro-magnetic mantle around the Matrix is the home-field where all the **e.m. traffic** of the Universe runs through and, at the same time, it serves as the abode for *all the encapsulated time/energy* in existence in the Universe.

- Absolute Time, *being absolute*, **restricts Einstein's Relativity Theory** exclusively to the *relationship* between *second-dimensional* events happening on the Matrix T^2 and *third-dimensional* events on the Mantle.

- Consequently there is no problem with "electrons" now defined as electric waves circling the atomic nucleus with the speed of light without acquiring infinite mass!

- Time *being absolute* corrects Einstein's erroneous conclusion: that mass approaching the speed of light becomes infinite, that length shortens and that time slows down. That astronauts returning to earth stay younger than the ones left behind.

- The New Astronomy invalidates *the Big Bang*. There is no need for a 'big bang'. The *constant* and *absolute* speed of time guarantees that our bubble-sphere Universe can grow and expand quietly and steadily from birth.

- Heisenberg's **Uncertainty Principle**, Schrödinger's Cat in the Box and the Law of the Conservation of Energy are explained once one accepts the fact that *quanta of energy can switch back and forth between dimensions*. Alas we will never be able to see what happens to them during their sojourn in the second dimension.

- **The Michelsen-Morley Experiment** is explained by light travelling with the *absolute* speed of Time through the electro-magnetic field, independent of *relative* influence by events of the third or second dimension.

- **Black Holes** are not tunnels from one end of the Cosmos to another, where we don't know how they will end up, and are neither drain-pipes returning Systemland matter directly back into Flatland or acting like a mangle for the recycling of Systemland matter.

- **Recoil** (ex-gravitation) is a force, rooted in electric field distortions on the Matrix surface that pulls Systemland matter back into the Matrix. Recoil replaces the concept of mass-attracting-mass with atomic *spin+energy* pulled back by the Matrix.

It explains **super-conductivity** when approaching the second dimension and nearing zero Kelvin.

It explains how waves travel the electro-magnetic field without spending their own energy: by piggybacking and **surfing** on the bow-wave of the advancing Time.

It explains the **red-shift of quasars as intrinsic**, caused by super-fast acceleration of the *inward* rotation of astro-plasma-jets fading and pulling all light with it back into the second dimension.

It explains why *no natural anti-matter* has been found in the Cosmos because the Matrix is based on the *positive square* of Time T_A^2 .

Inertia is explained by the intimate relationship between the second and third dimensions and by the resistance encountered when trying to uncouple third-dimensional ‘matter’ from its locally-tied Flatland recoil roots.

Entropy is explained as a consequence of the workings of the recoil forces, for instance by the loss of heat caused by the passage of electricity.

And last but not least:

We have arrived from: $e = mc^2$ to $t_e = r \cdot t_a^2$ where

Absolute Time has taken up its rightful throne as **the great unifier of all electro-magnetic, nuclear and recoil (ex-gravitational) forces**.

NB: The strong nuclear force is the result of the split between negative and positive wave forces and the weak nuclear force is the result of the internal atomic influence of the recoil force.

-Absolute Time brings *time, electricity, electro-magnetism, nuclear force and recoil (ex-gravity) force, all the known forces of nature, together under one roof*.

The search for proof of the Big Bang, the search for missing cosmic dark matter and dark energy, anti-matter, the ultimate particle, gravitational waves and how matter might create life by chance... All of that, what a waste of time, effort and money, that could have been better used instead of chasing not well-thought-ideas and fantasies by an unassailable so-called Scientific Elite.

Thoughts

We live in a **vibrant, dynamic, living and all-embracing Universe, directed and propelled by the ‘Force’**, that we are all and everything a part of. We do not live in a boring dead- matter Universe of three geometrical dimensions and a fourth dimension of time, where life is like a needle in a haystack.

In the beginning, the Force, the Divine, God, or Nature - whatever you may wish to call it - willed time-energy out from Zero-land. And when this time-energy fanned out into space, a finite Flatland Matrix unfolded and expanded like a giant soap-bubble sphere, propelled into the future by the Will and the Force of Time and Life.

Overflowing time/energy currents on the Matrix’s surface, excited by resonance and tension, regularly collide, spin off vertically from Flatland Matrix and curl by way of Astro-jets into encapsulated grain-like ‘energy matter’ to finally condense into hierarchies of integrated systems drifting in scattered clouds around the Flatland Matrix.

We, humans, only know the dispersed and grain-like three-dimensional structure we call our home: Systemland. We think it comprises all and everything the Universe consists of and are blind to the underlying greatness of the Matrix Sphere, the backbone of the Universe, and its pulsing and vibrating energy.

All that we think is ‘matter’ is nothing else but temporary borrowed energy, torn out of the Matrix, encapsulated and dispatched on to the surrounding electro-magnetic field.

Recoil Forces (ex-gravitation) are forces rooted in the Matrix that find their origin in the distortion of the Matrix’s surface caused by the encapsulation processes. They strive to pull **everything of**

once-created Systemland matter back into the Matrix in order to undo the distortions.

Together, the Astro-jets usurping energy from the Matrix and the Recoil Forces pulling energy back toward the Matrix, pump like a living beating heart, keeping the Universe on the go and *alive*.

Science only takes carbon compounds as prerequisites for life, but life is not inherent or restricted to organic carbon. Carbon has no life of its own.

Life is embedded in the Universal Force of Time that creates, infuses, directs and changes everything, from the flora and fauna on our planet earth, from the atom, to the sun, to the galaxies, and to the Universe itself. All and everything is joined up into **one interlocking hierarchy of systems**.

We are not the independent players we think we are - **we are part of ‘The All’**. Like the Recoil Force keeps our Systemland leashed to the Matrix, so might the Universe hold us on a personal leash via **a little black hole, our soul**. In this way, the Universe could be communicating with us (directing us?) and vice versa - *if* we so wish.

The Universe is not what man thinks it is. And man’s role in the Universe is not what he imagines. Man is not the independent super creature at the center of the Universe, endowed with an independent intelligence, ready to conquer the Universe on his own account. The Universe is not a collection of burning and cold rocks shooting around at random to nowhere in nothingness, which man expects to exploit at free will. Like bones form the supporting structure of a creature, so serve the rocks as supports of the heavenly vaults.

In a unitary Universe, everything happens in the context of the whole and is related to and communicates through the underlying Matrix of vibrant energy. It is so delicately interwoven into the finest details and so balanced, where everything communicates and functions together. The Universe and all its parts are in harmonic resonance, tuned in to one another, understanding one another, forming together one single

‘Intelligent All’. Mankind is just an infinitesimal little subject of minimal importance.

Would it be too daring to postulate that the Force of Time which underlies and energizes the Universe in its wholeness could also *nurse and guide* the Flatland Matrix and Systemland individually and directly?

Could, for instance, the directional Force of Time serve as a **tuning fork**, creating, modulating and calibrating specific *directive* frequencies with their resonance patterns surfing throughout the Matrix?

And could it be possible that these patterns, one dimension higher up, also direct and influence Systemland?

Force is the power to get something done: impose, create or destroy, join, empower, maintain or separate. But will *physical* force really be the only type of force in a Universe where matter is but encapsulated energy?

I see manifolds of Systemland archipelagos embedded and widely spread throughout the Matrix’s e.m. field. Archipelagos like flowering gardens dotted with all sorts of innumerable galaxies. Fertilized by the Force of Time and Life, the galaxies bearing baby galaxies. While the multitudes of suns within the galaxies hug and warm their orbiting planetary children.

And where might the Force of Time have its home? And why should the Force coming in from the *outside* be restricted to just one Universe and not simultaneously grow and propel other Universes into the future?

The very ‘existence’ of a Force of Time carries the implication that somewhere, somehow there must exist an all-encompassing ‘Greater Living Cosmos’, shrouded in the background accommodating multitudes of other brother universes, and guided by ‘a Cosmo-Genius’- all floating around in the immensity of the greater ‘Cosmic Realm’ - growing, living, dying, and collapsing. And once their time runs out, they will leave their genes to grow young baby Universes.

How tiny we humans are in this immensity of time-space and how unimportant in the concept of a 'Greater Living Cosmos'! But how important it is for us to understand the 'Force' and adhere to its laws.

An old Buddhist legend describing the end of the Universe comes to mind here :

- 'One night, after billions of years, after all the prayers on earth that could be recanted, had been recanted, and not a single one was missing, then suddenly, far out in nowhere the stars began to dim, then fade away. One by one their lights went out, nearer and nearer, till even our own sun began to fade... Then it happened, that the earth and the whole Universe went out with a whimper...'

Could it be, that one day our universal metabolism might seize up and our ticking Time beat stops? Then nothing would be there anymore... Without Time there is and will be nothing!

Then, the only hope for universal continuity would be, that our Universe shriveling away would leave some tiny little baby bubbles behind before it would fade and die.

If the heavenly Force of Time out of Zeroland could then just timely intervene and nurse some of these tiny baby bubbles dotted with parental genes along, then these baby bubbles could in turn grow up into new mighty Universes!

Could time-energy be transmitted the cyber way, even spiritually and still have an impact? May-be even more powerful than physical force?

If our Universe proves to be one unitary Life, shouldn't it also possess an ego, a soul incorporating its own divine force that wills, creates and destroys?

The Heavenly Design

*Like fertile rain from heaven sent,
Tells seeds to grow and bloom
So all the messages divine,
Which filter down to earth
Reveal to all, who lend their ear,
The Heavenly Design.*

*Let me describe this Grand Design
Revealed to me by little voices
Which whisper in my ears
From time to time.
There is but One, there is no other,
One Life, one Force Supreme
One Universe, all-encompassing.*

*The firmament of sparkling tars
Which holds our eyes in awe
Shows but a tiny, little part
The Universe contains.
All matter we can see and touch
Is but a twist of time and space
Encapsulated energy
put by the Force in place.*

*The Force, the Flow of Life eternal,
Which manifests itself as Time ,
It makes and drives the Universe,
The planets, stars and galaxies,
Where light and life are roaming.*

*There is a Reign of total rest
No force, no space, no time.
Dimensionless, all in suspense.
Without beginning, nor an end.*

*For those who do believe,
It is the Seat of the Divine.
And for the ones who ever doubt,
For atheists and math fanatics,
It only counts as null and void.*

*But once, far distant in the past,
It happened instantaneously,
One thought of the Divinity
Was just enough, to launch
Straight out from Zero land
A Force called Time, into infinity.*

*The Force of Time creates and moves
The galaxies, the stars and planets
Infuses change and life to all.
It is the measuring rod,
for every detail of creation.
It is the cosmic tuning fork
To harmonize all resonances vibrating.
When Time was born,
It bore a sphere of equal-time,
That's spreading outbound, fast as light.
Thin as a sheet but strong as steel,*

*It is the matrix of the All.
Veiled far from earthling's view.
The Matrix realm of Time
Where forces roam in harmony,
Their patterns integrating
To form a Web of strive and life
Joined into intricate design.
It is the throbbing spawning ground
Of micro-chips forged in and out
From Matrix's plane in tiny flakes.*

*Exited by the resonance of intertwining forces,
They curl themselves to little spheres,
Devoid of substance, hold no matter.
Pure energy and micro space enrolled in one.
Just little spheres in harmony vibrating,
Emerging, dissolving with the speed of a wink
Tuned to the waves vibrating on the Matrix.*

*Once in a distant while,
The forces which the Matrix holds
Rise to crescendo in their dance
When resonance now multiplied
Does reach a point of no return.
Quite suddenly the Matrix plain
Is overwhelmed and cannot longer hold
The rising tide of ever-growing forces.*

*In one great bang of energy colliding
A flood of micro spheres bursts forth
To form the latest siblings of the Universe,
A land of systems integrating
With island-worlds of atoms floating,
With stars and galaxies galore.
The archipelagos of Systemland,
The Cosmos' third-dimensional creation
We, humans, know as shores of home.*

*Whereas the Matrix is a sphere
And forms a unitary whole,
One life, one plane, one soul,
The higher stage of Universe,
Our Systemland of integrating forces
Afloat on flatland's Mother Matrix
Is build a different way.*

*The tiny spheres emerging from the Matrix
Now free to move, they dance
To join and interlink in chains.
They grow to unimagined structures
Combining into systems within systems
And then again to super systems.*

*From particles, to atoms,
To molecules and more,
To clouds of dust and gasses
From which the stars condense
The white, the red, the blue, the black,
From archipelagos of galaxies
To cosmic hyper structures.
Distorting in their quest for growth
The underlying Matrix sphere of Time.*

But watch: these particles we say, we found,

*These atoms, molecules and matter
We see and feel, smell, hear and taste
Is neither matter, has no substance.
It's nothing else than time and space
Encapsulated in a tiny sphere
Which holds but energy and force.*

*The further scientists advance
Toward their inward probe
To what they think is matter,
The further draws their aim away.
And till today no scientist has found
A single proof of matter.*

*The molecules to pieces plucked
But nothing found than emptiness
And far and wide dispersed
Some lonely atoms floating.
Lost in immensity of space.*

*Still they advance
With great determination.
They break the atom up and
Find again but empty space
Except for here and there,
Some neutrons, protons on occasion
And fleeting electrons somewhere
But even these when penetrated
With forces well manipulated
Show nothing else than emptiness*

*And till today no scientist has found
A single proof of matter.*

*Throughout the surface of the Matrix
We find but energy of Time,
Free-flowing and vibrating.
Whereas in our familiar system world
All energy, once freely roaming on the Matrix,
Here only shows as chained, encapsulated.*

*The third dimension of the Cosmos, the only
part we know and think we understand,
It is the final stage of the Creation.
Which floats on top the second one.*

*A grainy splash of basic atoms,
The building-blocks for molecules.
From molecules to manifolds
To interlocking macro systems
Far scattered round the Matrix
One here, one there, spread out and grainy.*

*We know but solids, liquids, gasses
Apparent stages, virtual matter.
Our human lives thus implicated
Ourselves composed of bubbly spheres*

*Far from equipped discerning signs
Of energy which does abound
In different forms on Flatland's Matrix*

*But we can think, abstract, deduce
To reach an earthlings understanding
Of what the farther Cosmos might contain.
Besides our System-world's existence.*

Human Relations

In the closing pages of this essay in the context of the conclusions reached, I would like to express my view on the changes I expect to see unfold in inter-human relationships and between humans and the environment. With time, a growing awareness of the **Absolute Force of Time and Life** is bound to have a profound influence on human thought.

Present day Religions and Science *diverge* in that Religion rest on the *belief* that *divine* forces created the Universe and direct its destiny. Science in contrast, rejects all that is belief or divine. Where Religion and Science do coincide is that both are just as myopic in the *extent* of their outlook. Most religions believe that humans and their tiny Earth are the Centre of the All and that the Universe and Nature do not count as much and are but decorative.

Science clings stubbornly to the limited three-dimensional *Matter Universe*, notwithstanding the fact, that their *matter* only covers 5% of what they think the Greater Universe might hold. On top of that, Science refuses to even take into consideration any diverging theories which are not proven or based within their restricted paradigm of their empire of matter. So that cuts out 95% of the Universe!

With almost nothing except purely technical and materialistic achievements to show for the last hundred years and negating anything they are unable to observe or measure directly, I cannot see so-called 'Modern Science' in another light than as pitifully castrated and blind to the greater Soul of Nature.

By *preaching pure materialism* 'Modern Science' should be held highly responsible for the present *worldwide decay* in human morals and values.

Only after having deigned to accept that our tiny Systemland of matter rests deeply-rooted in the Wide Web of a universal Matrix, might there be a chance for Science to free itself from its self-imposed shackles.

But alas, for such to happen will take at least a whole generation of old Scientists to die off first, as I have never yet in my lifetime met a Scientist who ever went back on his engraved perceptions.

Although most religions preach that our worldly Universe is intimately connected to a Netherworld, they should understand that this Netherworld is by far not limited to and reserved for a minuscule humanity of a tiny Earth, lost in space, but rather a Netherworld that covers the whole of the Mother Matrix of a far greater Living Universe.

Over the years, religions have totally neglected to absorb the new realities of Nature discovered. The established religions, now dwelling far behind in human perceptions have become so widely outdated, that they no longer fit in with reality. They have made modern man lose his faith in every ‘holy’ scripture and divinity, leaving man standing naked and unprotected in a hostile world, not knowing where to turn.

For the human race to recoup its balance and to survive, it is of the utmost importance to understand what the ‘*Living Universe*’ is all about and our role and place in it.

Up to the present, man’s conception of ‘Life’ has been restricted to purely *organic life based on carbon*, that only by one chance in a million has emerged out of an immense contrarian world of lifeless matter, as presented by Science.

In our new Universe, “The Force of Time”, of “Life”, the “Cosmo-Genius” dominates.

A Universe upside-down from what man used to think. A Universe where everything is part of one great, overarching and sparkling ‘Living Being’ inter-connected and inter-dependent. Just like the Chinese envisage their ‘Tao’ as the invisible inter connector of everything.

A Universe of wholeness and purpose, where the Force of Time and Life, creates, inspires and directs the *Great Living Matrix Sphere* and our *Systemworld*. The way the ancient Greeks believed in their ‘Ananke’ or Destiny that ruled supreme, even over the fate of their Gods.

Although man has discovered and exposed many of Nature’s laws, rules and systems, self-imposed rules have kept Science exclusively restricted to a three-dimensional *matter* world.

Our new insight that our Universe is *not* a dominant dead-matter Universe, but on the contrary fully alive, should inspire man to start looking, far beyond Science’s ‘Earthly Laws of Matter’, toward the all-encompassing cosmic ‘Laws of Life’. Knowledge of these will be of the greatest benefit for man’s livelihood and survival. Better than all of Science’s ‘Laws of Matter’ put together.

How tiny are we humans in this immensity of time-space. And how unimportant are we in the concept of the ‘Greater Living Cosmos’! But how important is it for us to understand the ‘Force’ and adhere to *its* laws.

To arrive at a clear understanding of man’s bondage to Nature, a short survey of the most important issues affecting relationships in a Living Universe is hereby suggested.

Bionomics

- *The Living Universe has its 'Ego' and 'Lust for Life', from its wholeness down to every individual part.*
- *The Mother Matrix creates and grows its surrounding archipelagos of three- dimensional life from the ground-up, in steps, from small atoms to ever more complex systems.*
- *To survive, the wholeness of the Universe takes preference over the needs of its constituent parts.*
- *Each higher system is composed of and depends on manifolds of underlying systems.*
- *Each single creation has its individual ego, characteristics and functions in the hierarchy of the system that it forms part of.*
- *Each system, be it an atom, a galaxy or a higher carbon creation is not only connected directly through its constituent parts to the Mother Matrix, but also indirectly in its totality.*
- *Through zillions of years, Nature has advanced through trial and error till the best of the best resulted.*
- *It is important to understand that the more complex a carbon agglomeration becomes, the more its individual parts will grow symbiotic. The same counts for communities as a whole, where the more pressed together physically and spiritually, to more they grow into tighter symbiotic systems.*
- *Alliances of systems happen when mutual advantages and interests coincide. From atoms and molecules sharing 'electrons' up to humans joining together along social laws of mutual interest. Every member, every little part of the Universe, every system in itself, is destined or strives to 'be part of ' a familiar greater system, so as to be less vulnerable.*

- *Each little member and part in the Universe has its 'function' in the hierarchy of systems, either in its singularity or in community and should comply with the function assigned to.*
- *The Universe will not tolerate any intrusion and interference in the structure of the Greater Web of Life. Neither will each system in itself tolerate interference. For that same reason, each system has its own build-in checks and balances.*
- *Each little part or member of the Universe has its specific natural enemies and competitors installed by Nature, necessary to keep it on its toes and avoid degeneration. Not only to keep itself in shape, but implicit in the system it forms part of!*
- *In order to improve on its creations in containment of its greater self, Nature (the Universe) applies open and direct competition, which amongst others, includes the outlines of Darwin's 'survival of the fittest' and 'partner selection'.*
- *Each system carries its own build-in checks and balances, we should never mess with.*
- *Competition, up to war, occurs by whatever means available and that includes intelligence. It is basic for the self-improvement and maintenance of the Universe as a whole.*
- *The moment that open and free competition is throttled by the dominance of one party, natural competition falls away and over time the dominant party itself would be doomed into oblivion, as lack of competition causes degeneration to follow.*
- *Everything that is run-down, outdated, lost out in competition, not used any longer, obsolete or does not serve its function in the grand design any longer, Nature (the Universe) discards and replaces where practical.*

- *These are the ways open to the Universe to keep the necessary elasticity to exploit and adapt to new opportunities and to grow and expand toward the most promising future for itself as a Whole.*
- *Nature builds from grass-root diversity. If on-going grass-root growth in a system is impeded, the whole system on top of it is destined to die.*
- *Nature eternally rejuvenates. It expands, replaces and re-invents itself by on-going creation and recycling by way of recoil, black holes, death and renewal.*
- *The latter with the condition that each new creation has to **fit in with the already established** order of Nature's Wholeness.*
- *Nature is balanced and for everything there is an opposite: positive versus negative, male versus female, good versus evil, astro-jets versus recoil...*

*But ... don't forget **the Yin and the Yang**, Nature is never completely balanced, so as to keep the door always slightly open for eventual change.*

- Bionomics means Nature's way, pursued to fit into the "Web-of-Life" that Nature has so finely spun since early days.

Experimenting in bio-labs by irresponsible elements has to stop. If not the wrath of Greater Nature will fall upon mankind.

I invite the reader to add on.

Confronting a Confused Science

Having established a definition for Time and redefined the cosmic dimensions implies much more than pure adjustments in astronomical thinking. It affects the basic *fundamentals* of present day astronomical theory in its totality. Many scientists won't be happy to see their preachings invalidated!

*And might they look for knowledge,
To know from where they came,
To understand the heavens,
What makes the atom's frame,
I fool them in their efforts.
With but their eyes as tools,
Which only note appearance
And not what stands behind.
With only math and eyesight
The mind stays empty though.
The truth of all that matters
Lies in the innermost.*

And what is Science going to do
When it wakes up in a world where:
Time is the absolute force of *creation*,
The Universe is a living *Bubble*, where
The lines of sight into the Cosmos are *bend*,
Time and Electricity are the same animal,
The Universe is structured in *layers*,
Where it is not Mass that attracts Mass and
Where the Big Bang never happened and
Life creates matter, not the other way round,
And where ...the Universe might have
a mind of its own ... (like the author!)

Conclusions

Whatever we do, we should always try to follow Nature's way and never go against its Grand Design. Man must understand that each individual creation of Nature is but a tiny part of **Nature's Wholeness**. It is the wholeness of Nature we should always keep in mind.

For instance, we should not interfere with Nature's delicate **checks and balances** established and proven over billions of years. On the contrary, we should try to make use of them and install checks and balances for our own specific benefits following Nature's example.

Nature has a history that goes back to the beginning of All, if there ever was a beginning! Nature is so finely tuned and woven into the most infinite details but all that we humans have been doing is going around in it with a sledge hammer!

We have killed or subdued our surrounding natural enemies: weeds, insects, bacteria, viruses, hostile species-installed by nature to keep humanity healthy by weeding out the weaklings. We have raped our Mother Earth, plundered its resources and destroyed its ecology with wastelands everywhere.

We have destroyed our own social structures by laws that

- reward incompetence and punish success,
- protect secrecy where openness should reign,
- kill competition and
- have destroyed the natural pillar of society, the family.

In short we have made a mess of it, because we have brutally interfered with Nature's guidelines, checks and balances.

We humans have become our own greatest enemies.

'The Universe'

an extract

*I constantly change little parts of My nature,
Destroying a bit so that others may thrive.
Sometimes I act to annul complete species
Which have grown to disorder and foreign align;
Which don't fit any longer in the wholeness of Mine.*

*But once they've served My purpose,
Or when they are old and spent
Or when they lose their feelings
For Me, their mother-soul;
Get blinded by their vainness
And think they march alone
And are no part of Me,
That they don't need to care for
My other life around;
When only rights they claim for
And no more duty counts
I smash them and annul them,
Assigning better ones.*

The only way out for mankind is to start afresh, from the beginning and re-organize our lives so as to fit in with Nature. If we don't, then Nature will do it for us, its way.

In the past, man lived in harmony with Nature and prospered. His ascent through time was balanced and steady, fitting in with all the other life on earth. Then, suddenly, his ways changed, his numbers began multiplying exponentially. Today, there is no place on earth that does not feel man's presence. In less than two hundred years, man has changed from being part of nature to dominating all other life around.

Man has become estranged from Greater Nature. Will he be discarded by Nature as a miscarriage? Or does the Great Design have other plans in mind for him?

If we interfere with Nature, Nature will take revenge. If we interfere with free competition from the ground up, economies will collapse. If we interfere with Nature's given natural values, the gold and the silver, and substitute them for 'free-for-all' speculative cyber digits instead, then Finance, the blood and mirror of society, will collapse.

If we do not keep up the natural family values, society will collapse. And if we start messing around with genes, then one day there will be nothing grown to harvest and no children will be born.

The Predator

*And man went forth to populate the earth
Until he covered all the land
From North to South and East to West.
And nowhere any land remained
He had not claimed his own.*

*He reaped the treasures of the earth,
The forests fell before his axe and burning.
No animal could hide from human lust for slaughter.
The land and skies left poisoned and polluted.
No more respect for other life around.*

*His greed grew ugly, while his morals sagged.
The blood from foe and friend alike did stain his hands.
The bondage between man and wife became a farce.
Not much parental love bestowed on children.
In wedlock even genders same became accepted.*

*Man did not listen any longer. And when he prayed
Not anymore for guidance did he pray, but only asked...
For favors asked, there is no answer.
Man's life is not a bargain with the heavens,
But is a gift divine. Man's own to make or break*

Inspired by Ovid.

For us humans, 'to belong-to' has always been of great importance, but, 'belong' where?

There is no greater feeling of peace and strength than taking in the Wonders of the Universe and Greater Life, submitting to Nature's rules and spirit, and feeling oneself part of it.

Ignore all that the crooked charlatans, the shamans and politicians impose. Forget about all the "-isms" *whether in reference to religion or politics*. These only mirror an insatiable quest for political, religious and money power.

When you feel you are right, you will be right and the Force will be with you.

Universal Metabolism affecting Earth and Mankind

A general overview of the Life of the Universe from birth to death in the greater context is described in the chapter < Stages in the Life of the Universe >.

It contains the role metabolism plays in the process: where, on the upside: Astro Jets suck up energy from the Matrix, squeeze and encapsulate it into hydrogen H_1 to become injected into the highest layers of the e.m. Mantle, from where, once the Recoil Force gets a grip on it, the ejected matter reverses course into a down-leg, back toward the Matrix.

Like an e.m. field surrounding an electric cable grows stronger and stronger on an elliptic sliding scale nearing the cable, so will the pull of the Recoil Force pull matter *faster and faster* back through the e.m. Mantle the nearer it gets to the Matrix, to finally end up on the Matrix' surface as pure energy, where it will again and again become available to keep on feeding the constant flow of new metabolic cycles. Each new Astro-Jet shooting up, is like a heart-beat keeping the Universe alive!

It takes by far the longest part of a metabolic cycle - starting with an Astro- Jet ejection at the top, where the Recoil Force is at its weakest - , to get from hydrogen first to the lighter atoms and molecules and from gas and dust clouds to the first stellar clusters and only then to the heavier atoms and molecular structures and to galaxies and solar planetary systems holding planets like our Earth.

Giving it a time span of “100” for the whole down-leg in a metabolic cycle, my guesstimate is, that during the first 55 percent of the time in the uppermost reaches of the e.m.Mantle when and where the Recoil Force is still minimal, turbulent dust and gas clouds chaotically keep swirling around. From there on, the 44 percent of the time left will be needed for mixed matter clusters to form, the birth cradles of globular galaxies holding solar systems which with time will flatten out into spiral galaxies. At the end only 1 miserable percent in the down cycle will be left for our Earth to develop its own life. Of which again only three million years left for the human race to make its appearance. And that at a time that the attracting force of the Matrix will already be nearing its maximum strength and events are starting to follow one another up in ever shorter time spans.

One million years ago the first humans were still in a “supposed” stone age. But the surface “stones” at the time were not yet baked into heavy, hardened rocks. The Earth its surface still spongy, covered by the latest rains of cosmic matter. Still spinning at faster speed around its axis and around the sun. Its atmosphere containing a greater percentage of oxygen.

It was the time when Ovid’s “heaviness” had not yet entered matter. The time when his Lizard footed Giants had no trouble to climb the hills, and our forefathers no trouble cutting the megaliths as if they were made of foam plastic, polishing, engraving and transporting them over distance and put them in place. From Baalbek’s (now) 200-ton megaliths to Sacsayhuaman to the Pyramids and Obelisks. The ancients did not need rock-drill machines, they did not have to be more intelligent. At the time they managed well with bronze tools. They build whatever with the same ease as the Eskimos of today still cut snow-blocks to size and staple them up into igloos where time and weather harden them to ice-blocks.

A good example shows the still unfinished Aswan obelisk, still

resting in its homogeneous granite bed. Supported by bridges in-between it shows scooped-out sections below its whole lengths, which only could have been *scooped out from* much softer granites. With one side already cut to size, polished and engraved, it lies there ready to be rolled over, to be cut, shaped, polished and engraved on the next side. When finished to be hardened by liquids, sunshine and time before transported to destination and like all obelisks, erected on platforms in the middle of precision marked circles to serve as sun-dials in day-time and star-dials at night.

After the Pyramids the use of big stones, as they got heavier and harder, declined rapidly. Thus today we work exclusively with bricks, cement, aluminum and plastics.

Be prepared: the shortening time spans and the growing heaviness show that our Earth already might rapidly nearing its final elliptic steep fall back into the Matrix!

But what, as I believe, Astro-Jets spout *irregularly*, thus making the e.m.field for the descending metabolic waves turbulent and overlapping, then the period between 14.000 and 1.000 BC might have been caused by *freak* precipitations of soft, spongy cosmic matter falling on earth's surface. Which would not, as yet, indicate a near plunge-back into the Matrix. In general, the heavier the stones found on archeological sites, the older the ancient culture must have been: from the gigantic recently discovered Siberian megalith columns to the 200 tons Baalbek megaliths, to Sacsayhuaman, to the Pyramids.

Closing this chapter, a solid support for universal metabolism: Millions upon millions of stellar objects and galaxies that ever have been cartographed have disappeared and are still disappearing suddenly without a bang or a trace! A problem for the outdated Astronomers. But no problem for the ones that have recognized that the Universe is metabolic and that all matter once created will be recycled back into pure energy.

The Recoil Force and the Red-shift:

As the Universe has proved not to expand any longer *the Red-shift cannot be used anymore to measure cosmic distances*. All already established distances will have to be recalculated from scratch based on different data. The results will bring the extravagant distances and super sizes of some stellar objects presently established by Science, back down to reality! What also will have to be adjusted are their age calculations of objects based on carbon and radio-active decay, as the older an object, the longer the time stretch for the decay process.

Today's Red-shift is indicative of the differences in the Recoil Force and the relevant approach speeds of celestial objects on their way back toward the Matrix Sphere.

But watch it: like a magnet's *attraction force and approach speed grow on an elliptic scale* in their approach, so will the attraction force and approach speed of stellar objects toward the Matrix grow. From soft to hard, from light to heavy, from the stone age to the bronze age, on to the present. We might get petrified much sooner than we think! And our solar system and galaxy might disappear in a last great upheaval into a Black Hole tomorrow.

We are entering the final stage of the metabolic layer we were born into, and fall back into the Matrix Sphere: shifting continents, diluvial floods, increase of Sun-spots, upheaval in planetary orbits. Taken from Greek mythology: The birth of Venus, the fall of Phaeton with the sun zigzagging through the heavens. The Warrior planet Mars, who's **adventurous** deviations might have been the cause that the Earth's Poles skittered around from their original positions. The North Pole to Greenland and back via Spitsbergen to its original and present position between 10.000 BC and 1.000 BC, causing havoc all over: icing up Europe, greening the Sahara, making

the Amazon a dessert and letting Mammoths graze in Siberia. The absolute cylindrical diamond pipes found on a near straight line from Kimberly via Ghana to Canada could have come from electric discharges between Mars and our Earth in near encounters. These perfect pipes look too much like holes made by electrical shorts in dynamos and not like irregular volcanic pipes shot up from Earth's center.

Where Science is losing time with trying to explain in vain a not any longer happening *expansion* of the Universe, Science would do better explaining the *shrinking (and hardening)* of matter in the last stages of our metabolic wave.

Science recently found that the Redshift keeps increasing and as such that the expansion of the Universe must be accelerating. But in a metabolic Universe an increasing Redshift means that our solar system with our Earth, are accelerating toward their final end into the Matrix pushed by an increasing Recoil Force.

Measuring the *relative* increases of the Redshift could help to estimate our Earth's and thus mankind's time left!

Science must understand, that cosmic events do and always have, played a far greater role in the history of our earth than Science is taking into account. Our solar system, our earth included and the Milky Way are subject to constant change. Cosmic dust and debris from far away is still raining daily down on earth. A good burp of Jupiter or an infalling meteor might dispatch a hydrogen cloud from its surface toward the sun, which after some time might reach our earth, cause Jupiter's hydrogen to merge with our earth's oxygen into water and cause a diluvium.

Charting the visible Universe

Viewing all the stellar objects with redshift-zero as observed from earth, I expect the majority to lie in a flat disk with our earth at the center, parallel to the Matrix. Its axis at one side pointing straight down toward the Matrix and on the other side pointing up to where the Mantle will be thinnest seen from earth. Once confirmed the way will be open to chart our section of the visible Universe.

The vertical separation between stellar objects will be dictated by their re-entry speeds toward the Matrix as shown by their metabolic redshifts and their horizontal separations by their direction taken from earth in combination with their deduced sizes. And here it gets interesting:

To deduce a stellar object's size, I start off from the standard size for the kind of stellar object we are talking about.

Like on earth each object has its limits of size: adult humans between 1.20 mts and 2.00 mts, trees between 1mts and 35mts, birds between 8cm and 3.00mts, insects between 2 cm and 15 cm, so do have stellar objects limited sizes as to be classified as astroids, as planets, suns, galaxies, each one with its characteristics.

What we have to do is to look for abnormal sized stellar objects - which have as such have been classified by Science using their erroneous redshift stellar distance method - , reduce them back to standard size and see where they fit in best. And go from there on.

Pyramids and Poles.

In several books about astronomy, it is mentioned that exact navigation by the stars only became possible with the birth of the chronometer. How then do they explain the existence of some amazingly correct ancient maps? For instance the ones of 14th century ascribed to Piri Reis, including one that includes the South American West Coast made without chronometer?

When in possession of a 360° star map that shows the position of all the stars at midnight in the 365¼ day year and one manages to identify one of them overhead or nearby on the north-south line at midnight where one finds oneself at that moment, then one can establish one's local longitude by entering the star that should be shining overhead on the same date at midnight on an established star map, let's say over Tire,- the Greenwich of its time - and measure the distance between the two longitudes on the map. If done well, this could be accurate within 5 nautical miles. Any time deviations off midnight could be timed with a sand runner.

For the ancient navigators, a map with the exact locations of the stars was a must. That was where the pyramids came in.

The east-west orientation of the main Giza pyramid is perfect and with it the angle of the north-south axis at 90 degrees. But the angle of the vertical inclination of its sides does not make sense in its present location.

Only and only if the Giza Pyramid would be situated on the 39th latitude north instead of the present 30th north at the time would the vertical inclination of the sides and the geographical position of the pyramid itself make sense, and what sense!

The present inclination of 51° of the sides plus a 9° shift up north to the 39° latitude would give the observer a 90° sight straight up in to the celestial equator from his base on the north plane.

Looking up from the middle of its north base, the pyramid's top would follow the heavenly equator year-round and its stars longitude distances could then be perfectly mapped for the whole

circle of the celestial equator. A map of the celestial year could then be super-imposed onto a map of the earth year. The pyramids north-south side-base axis would point to the true north pole and any earth-axis wobbles would become apparent.

To map the north-south longitude star distances, the ancients looked up along the side-planes, correcting for optical lensing while using the position of the celestial equator stars for central reference. No better and easier way to map the heavens than with a pyramid.

I am absolutely convinced that the builders of the ancient pyramids knew exactly what they wanted and at the time built their pyramid on the 39th latitude north.

But that would mean that the 39th latitude of that time must have corresponded to the 30th latitude of today and that *the earth's axis must have dipped since Giza was build!*

There are two possibilities for a true north pole dip to happen:

- either a change in the inclination of the earth's axis relative to the sun whereby the earth's north and south poles keep their places. That would imply that Giza is now situated on a 9° more southerly latitude,
- or that the earth's rotational-axis changed *direction internally and the position of the poles externally*, keeping the same 90° angle relative to the sun's e.m field.

The now well proved climatic variations at the time made for a cooler Egypt, a greener Sahara and a warmer Siberia.

A shift in true north pole also agrees with a Utah Universities. Geological Survey article: "the Wanderings of True North Pole" by L. Weaver. And so do and the 13° and the 15° deviations of the north-south orientations of the Tenochtitlan and Tikal pyramids for around 2.500 BC agree.

Holy Cow

Cumuruxatiba

A small fishing village, 300 people, about 25 km south-east of Monte Pascal, where Brazil was discovered by the Portuguese and then forgotten. In 1959, I was in charge there of setting up a beach-mineral extraction plant amidst long stretches of Coconut Palms.

Rolling equipment, trucks, bulldozers, scrapers and heavy generators had fought their way through, via a winding 40km forest track cut by dongas and small streams. The general equipment was unloaded from a tugboat, at anchor inside the reefs, onto make-shift rafts assembled from tree trunk canoes reinforced with empty oil drums. Anything that could float was directly thrown into the water where the tide took over to deliver it widely spread out over the beaches.

Before the generators were running, I used to mingle after sunset with the villagers and the temporary craftsmen brought in to train the locals as carpenters, bricklayers, welders and mechanics to run the sophisticated equipment of spiral-, table-, electrostatic- and electromagnetic separators.

One moonless evening sometime in the middle of 1959, on the little grass plot between the warehouse, the schoolhouse, the chapel and the old fazenda house, where my wife Ruth and I had installed ourselves, two fishermen approached me. They knew every light in the sky and could tell the time and the tides at night by the faces of the moon and the position of the stars.

That night they drew my attention to a strange moving light in the sky. It appeared shortly after sunset, described a short arc in the dark sky and then faded quickly away.

I have always been a short-wave listener and wherever on earth I was, I always carried some kind of HF radio receiver along, to stay up-to-date with what was going on in the 'civilised' world. As it happened, the foregoing night I had picked up news about the launch of a new Russian Sputnik satellite the previous night. Looking that same night up to the heavens, this faint shining object could not be anything else.

Questions out of the darkness behind rained down upon me: why don't we see it in the daytime? How far out is it? Why do we see it just after sunset and why does it disappear again so suddenly?

I sent for a pressure kerosene lamp and installed Octavio, a tall Caboclo in the plaza centre to hold the lamp up. You are the sun I said. Then I got some youngsters as planets to circle Octavio, the Sun. Around planet Earth, I added still another kiddy as the moon and finally I had Neco, the smallest pequenin around, circling Earth as Sputnik. All great fun and hopefully enlightening, and it should by then have become plain to the bystanders how the little Sputnik, off and on reflected by the kerosene lamp, disappeared and re-emerged from the shadow of the Earth.

A voice in the background wanted to know how big the satellite was. Spotting in the darkness behind me the contours of a grazing zebu cow, I answered: 'about the size of that white cow just behind you'. Everybody should by be happy now, the show should have explained it all I thought!

Three weeks on, I was driving out of the little village/town of Prado, where I had retrieved the mail, some spare parts and the payroll money from the local bank and was ready to drive back home, to Cumuruxatiba. The money hidden under the hood of the Jeep and a Smith Wesson was next to me.

Driving out between the last few shacks tightly lining the narrow sand-trail out of Prado, I was unexpectedly confronted with a not to be under-estimated 'caboclo' who had placed himself in the middle of the road, swinging his arms, giving me zero chance to pass him either left or right. With the payroll money along, I was definitely not inclined to take a stranger along! Anyhow, I stopped to hear what he had to tell me...

Now it is very impolite in Brazil, even for simple people, to blurt out upon first contact what is on one's mind. So I waited and listened patiently for an eternity to give him a chance to get to the point...

'Senhor Doutor, being from so far away and knowing so much, tell me, is it true that every evening just after sunset a white cow roams the heavens?'

Amen!

The Author



While still a teenager, I placed two guide-posts for my road through life ahead:

- get to grasps with the essence of life and matter.
- Pursue freedom and independence and never belong to any affiliation.

I left home and my country of birth, Holland, at the age of nineteen in 1949. I lived in many different countries, in the first to the fourth world, socialized and with the rich and with the poor, learned many different professions and trades. Only during the first four years of my active life did I work for a salary, after that came four years on performance-related contracts. From there on, I was my own boss. I have lived in 15 different countries for over one year taken together. My knowledge, I acquired through university correspondence courses, scientific literature, personal contacts, a critical mind and last but not least, practical experience in multiple fields. The latter a great advantage over all desktop scientists.

With my loving wife, my partner for life for 53 years, we pioneered exporting produce from the Peruvian Amazon.

In my late twenties, I built a rare-earth mineral mine from scratch, on the forgotten coast of Southern Bahia, Brazil. Ore dressing taught me the insides of gravitation, electro-static and electromagnetic fields. Related surveying work extended my interest to spatial geometry that led on to celestial marine navigation as a hobby. A later commercial pilot license included aerial navigation. Then finally and just another bit higher, I ended up in the Cosmos, where I am still roaming around to-day. I have travelled all over the globe from the damp tropics and the burning desert, to the silence and solitude of the Canadian Northlands to find profitable mining ventures, peace and nature.

With my dear wife as co-pilot, we flew our single engine Cessna Centurion one and a half times around the globe:

- Feeling earth and ocean fall away below in utter darkness while the infinite depth of the Cosmos above embraced us.

- Flying over the Tasman Sea, we felt like may-flies when sucked into the might of a frontal storm, only to be catapulted out again as a ball of ice two minutes later and 12,000 feet nearer to heaven.

Pioneering early electronic information systems on the French Minitel. Creating information services long before the Internet became public. Getting entangled in capitalism's sprawling spider webs when trying to get our ventures financed.

But once back in the unspoiled wilderness of the African 'Bushveld', all the headaches of civilization shriveled away into utter irrelevance when staring up into the vaults of heaven, sparkling with brilliant stars and listening to nature's melodies rising out of the surrounding darkness. The many nights I camped under the open skies of Africa put the Spell and the Greatness of our Universe upon me.

It was the achievement of total independence which opened the door for me to the greatest freedom of all, the freedom of pure unrestricted thought, fenced in neither by academic discipline, nor by prejudice, religious concepts, nor national feelings, but roaming free and leading to realms far beyond conventional wisdom.

My Faith is built on Liberty

My Mettle is my Lust for Life

My Law, the Force of Destiny

My Shores of Home, the Skies

Inspired by Jose de Espronceda's Cancion del Pirata

It all began with Time.

Listen

There is beside the eyes to see
World's beauty and its dangers,
The nose to smell a thousand perfumes, The
fingertips to feel a texture
And ears to listen to Nature's Melodies, There is
in every man, in every living being, A hidden
ear.

It's made to listen in a different way. Not
to the sounds one can explain, But to the
heartbeat of the Greater Life
Which binds man to the All-Embracing. Don't
ever ask! But listen... listen... listen...

The wisdom from the heavens
Does slowly filter down to earth.
Planned and released as time goes by.
The messages divine and inspirations Will
steadily descend on all
Who know to listen and to understand.

God, Universe or Cosmic Force,
Whatever you may name it,
Created man to stand alone, to face alone, The
life he was made part of.
All by himself a man should know
What's right or wrong, what's good or evil.

For all varieties, divergences in human procreation,
The voices heard within are tuned
For each his own and most receptive way. May
he be Chinese, Indian, White or Dark,
The message is the same:

It does contain the laws of life,
Of goodness, harmony, compassion.

Man does not need the 'in-betweens',
Who interpose themselves between the Truth and Man,
By trying to explain the heavenly design
And in the process utterly distorting,
By putting fear of God in people's minds,
Where trust and harmony should reign.

Today, misled by multitudes of hollow voices Man
errs around, confused and lost.

Estranged from Mother-Life.

Not knowing anymore to whom and where to listen. Not
seeing any longer, that he is part of all.

Gone wild, berserk, destroying in his folly

The Web of Life which Nature spun around our globe So
delicate, so finely woven...

The earth, a part of greater still design Where
clouds of dust, gas, stars and planets

In millionfold swirl through the vaults of heaven Alike
the life on earth: creating, living, dying

And where the death of one, does mean the life of others.

H.S.

Epilogue

On October 25th 2022, I sent the following email to:
„Team Roland Timmerman” University of Leiden , Astronomy:

< Congratulations with your pre-publication on October 17th of an overall composition of the Perseus Cluster showing super-blackholes, energy carrying jets, hydrogen gas and dust clouds, up to star-clusters, by combining and overlapping LOVAR, Chandri, WIYN and Hubble data.

Your composed picture of the Perseus nebula fits exactly in with the by me revised three dimensional structure of the Universe and have brought my still hypothetical “astro-jets” out into the realm of reality, where:

Astro-jets suck energy up from invisible (black-) holes on the MWBR, compress this energy into H₁ through narrowing super-speed reaching vortexes and hence spew the H₁ out as now becoming visible new matter into the e.m. girdle surrounding the universe.



Black spots are the super black holes. Red the radio emission of LOVAR. Blue the roentgen of the Chandra-telescope. White the hydrogen of the H-alpha-map of the WIYN-telescope.

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