

# Remarks on Newtonian dynamics, aether, cosmic core and quantized redshift phenomena

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## *Abstract*

This paper shortly reviews the links among Aether, Newtonian dynamics, galactic core and plasma double layers. It is hoped that we can sketch an argument for the origin of Tiffit's quantized redshift phenomena, a known puzzle for astronomers.

## **Introduction: Why do we still need aether hypothesis?**

As to why do we need aether, the mainstream physicists would answer: no, it is not needed, especially after Special Relativity theory.

But on deeper level, it is needed because otherwise there is no way to explain interaction at a distance in a vacuum space. We need medium of interaction, of which has been called by various names, such as: quantum vacuum, zero point field, etc.

Now let us see the origin of aether notion from Plato:

“Plato conceived of the Aether as the world of ideals, seeing within it the perfect model behind each imperfect physical phenomenon. He thought of that realm as eternal and unchanging, a perfect but frozen composite that must indeed inspire men toward achievement on the one hand, and on the other reproach

them for their failure, since their achievements must necessarily seem puny in contrast. Plato then saw the Aether as a splendid, absolute model in which all the works of man had their initial source. Man himself, according to this concept, could not affect that ideal world one whit. He could, however, use it as a source of inspiration.”[4]

This world of ideals, to Plato, was the realm of abstract principles and archetypes. It was the realm of ‘the One’ or ‘the Absolute’.

The Aether, or fifth element, was represented by the dodecahedron, one of the five Platonic solids. In the *Timaeus* “speaking about air, Plato mentions that ‘there is the most translucent kind which is called by the name of aether’.

Furthermore, in *Timaeus*, Plato refers to the “Receptacle”. I translate the ‘receptacle’ as being the Aether.

Robin Waterfield describes it, “The receptacle is that in which phenomena occur, and out of which they are formed. So the receptacle seems to be space and also to be matter: it provides the space in which perceptible phenomena are generated.”[4]

It is a “substrate”. One that underlies the perceptible changes in the universe, yet it does not change itself.

Plato speaks of it being “that which is partly ignified and liquefied.”

Ignified here speaks of fire, which can symbolically be read as photons or light. Liquefied refers to the fluid-like consistency of the Aether of which will come up again and again throughout Cosmic Core.[4]

Also, the Aether is able to change into, or create, both fire and water, as well as air and earth. Each of these four elements represents different densities of the Aether.

## **Aether and Newtonian Dynamics**

Regarding Newtonian Dynamics, as with many laws and constants, the predictable physical results which arise regarding them are always situational. Different material and energetic Environmental conditions, can cause variations, exceptions, and variances in the observable behaviors of the Newtonian Dynamic system.

As an example, Planck's "constant" is non-physical, as it is isolated from physical material forms, due to a blunder by Kirchhoff regarding "blackbody radiation" which was only ever applied to carbon black (also known as "soot"), until about 2002, when it was proved by experiment that the presence of different materials changes the relational constant known as Planck's constant.

Since Planck's constant is not reliable in a mixed media, such as interstellar dusty plasma, it should not be relied except in known materials situations, where the radiance curve of the given material is known through direct measurements before the Planck's "constant" is applied in considerations of the energetic behaviors which incorporate the various materials.

That means QM with Plank's "constant" is blatantly false, and needs to be completely redone, based on measured radiation curves, at various temperature, of various materials. Planck's equation only works for soot. The Universe is not made from soot.

Any physical aether circumstance which results in any delay in time between action and reaction, will add up to many millions of times the original energy contained in the reacting system.

Therefore, Newtonian dynamics has to be expanded to an aether basis. Everything has aether in it. Aether is everywhere, at every size. Part of it is always moving (the gravity -> radiation part, and vortex lines, for example), within 5 velocity regimes: zero velocity, slower than light, light speed, faster than light, and infinite velocity. This may have some relation to Mishin's 5-phase aether, but I have no way to verify or invalidate that possible relationship yet.

Everything responds to perturbations and stimuli by aether activities, which activities eventually become the measurable forces and measurable "constants". The quiescent part of the aether wants to just "hang out" and stay relaxed. When it is disturbed, it acts to produce exactly the kind of force which will completely neutralize the perturbation, as quickly as possible.

Aether creation of equal and opposite force to the applied disturbance is the origination of Newton's law of action and reaction. This law works fine, until and unless there is a delay.

(There may also be ways to fool the aether into responding to a force that is not the actual original cause of the perturbation, which could lead to some interesting effects.)

Aether activities all arise as Vector Potentials, before they become measurable forces. Please to remember, all forces manifest Vector Potentials. Vector potentials are Organized Aether Flows.

Consider the Casimir Effect and the Bohm/Aharonhov effect as further examples, which need to be looked at from the point of view of aether activities as related to an aether version of Newton's laws, rather than quantum physics which has failed due to non-physical considerations.

QM is filled with fictions, and lies, and intentionally incorporated many paradoxes. The paradoxes of QM are all solved by Newtonian/Maxwellian aether physics.

Examinations of Faraday and Ampere provide physical factual results which do not conserve energy. The same can be said of the original form of the Maxwell equations. All electrical behaviors are resulting from aether behaviors. Both capacitative systems and magnetic systems can gain energy.

Faraday's law of induction, in differential form, shows non-conservation of mechanical angular momentum in relation to electric and magnetic systems. E/M momentum is not conserved.

Delay between action and reaction in gravitating systems has been demonstrated to produce power gains in terms of physical mechanical shaft

horsepower and in terms of megawatts of electrical power gain. Using modern materials science and modern circuits, we can probably make power gains on the order of  $10^8$  above our starting power level, whether it be a mechanical or electrical system.

There are also ways to gain power from gravitating systems and inertial systems.

Ultimately, energy is not conserved. It can be both created and destroyed. The same is true of matter. All the "conservation laws" were installed by fossil fuel barons to ensure that they would never lose power or control over the lives of their slaves. That game is about over now.

As a starting point, there is no such thing as a "*closed system*". Aether flows and gravitation flows cannot be prevented from entering the given system and adding power to it in some regard. Large volumes and large spans of time make it more likely that an energetic imbalance will arise in the system. The Russians have constructed several ways to take advantage of this fact, one an electro-chemical circuit system, and the other a purely electronic design.

### **Safire project and plasma double layers<sup>1</sup>**

Recent experiments suggest every element resonates to specific voltage ranges, which create organized stable structures of dark mode plasma in the electric

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<sup>1</sup> <https://safireproject.com/>

field of a plasma. These voltage regimes are also a precursor to self-organizing visible double layers in plasmas.

The spherical visible plasma double layers work as a transforming capacitor trapping ions, electrons and molecules, generating energy densities analogous to the Sun. They appear to be the means by which nature produces extremely high energies. The implication? High power production where the device produces its own fuel, and the creation of the atomic elements in the double layers.

Warm plasma nucleo-synthesis is a primary component of Electric Sun models in which heavier elements are formed within the photosphere of stars, and not deep within their cores.

Double layers are also aether density layers and provide the aether environment to create new matter in the manner described in our paper.[2]

Superficially, this electric voltage generation of atomic elements in plasma double layers is a low energy environment. Safire Project provided their spherical anode with 1700 Watts of electrical power and then directly measured power transients, ranging between 2,000,000 Watts and 20,000,000 Watts, coming off the spherical anode.

Safire Project also discovered that many new atomic elements populated the anode during and after the plasma discharge which caused double layers to surround the anode. This was verified with Scanning Electron Microscopy (SEM) by a company contacted to do the SEM on the samples provided to them.

The Safire Project also discovered that dust was produced by the anode in addition to prolific quantities of hydrogen. And the dust was composed of

almost all the commonly found atomic elements observed in dusty plasmas in interstellar space.

### **Note on quantized redshift**

The same thing occurs at every scale down to at least the electron in smallness.

The photo from the Safire Project below is labeled saying that, double layers are "caused by" (this is a speculation, not a fact) electro-chemical "catalytic processes" (which are?) between hydrogen and "trace elements" (which ones, why and how, under what conditions?).

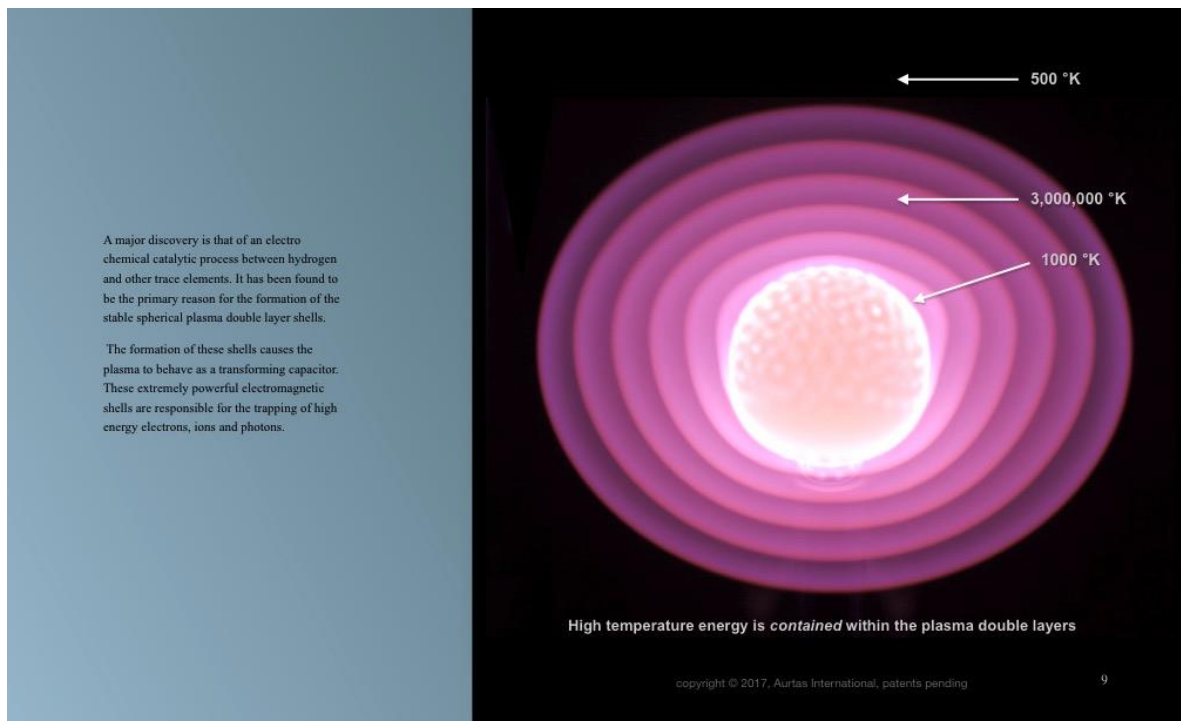


Figure 1. Plasma double layers. Source [1]

The observed interactions are secondary results of the **quantization process** which produces "double layers" in the plasma, which is related to charge density.



Here is the same kind of behavior associated with the nebula from a nova-ing star. Note the double layers look similar to the plasma surrounding the electrode shown in the Safire Project photo above.



Figure 2. An image of nebulae

In both cases the spherical electrified object is at the center of the quantization layers (aka. "double layers") which are also layers of charge separation.

The same thing happens associated with the aether-plasmoid at the center of the galaxy, as layers of aether radiate outward from the center to the edges of the galaxy, changing the laws of physics in the given region, as the pass through that region. This one of the causes of the rainbow ring with a hexagonal interior which has constantly encircled the half-to full moon for the past 5 years or so.

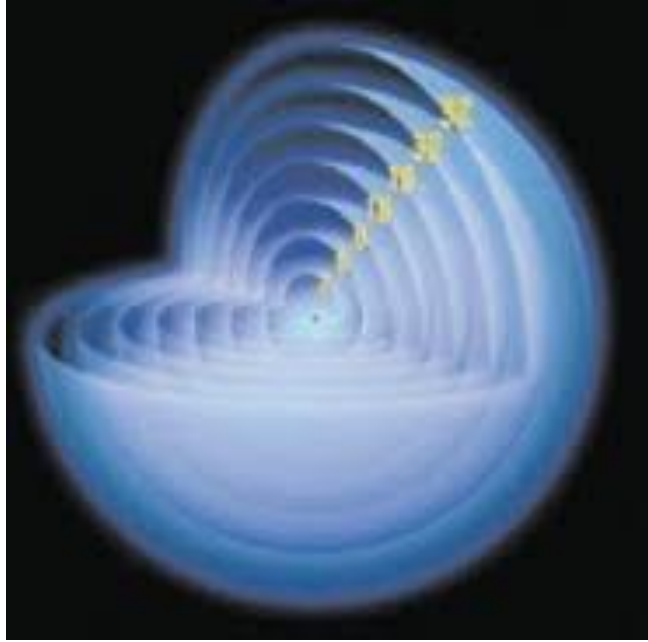


Figure 3. Expanding aether shells arising from galactic aether-plasmoid core

At the same time, the fine structure constant has been changing, and all the planets and moons have exhibited heating from the inside out. This has been observed by Dimitriev, and others in Russia, since the 1980s.

This goes back to quantized red-shift of galaxies as first written about by Tifft. Later Halton Arp corroborated Tifft's results, followed by many others.

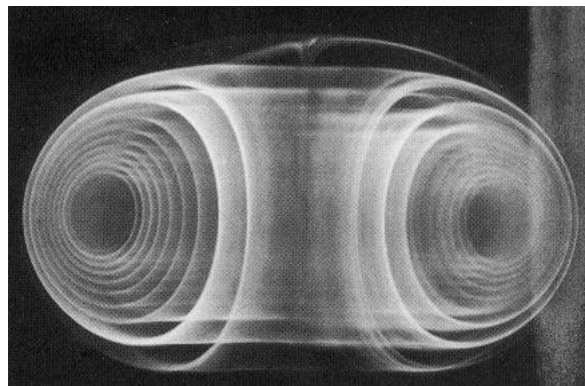


Figure 4. Helmholtz electron vortex

This is the same thing at the size of the electron. Note the quantized double layers.

This is the same kind of formation at the galactic scale:

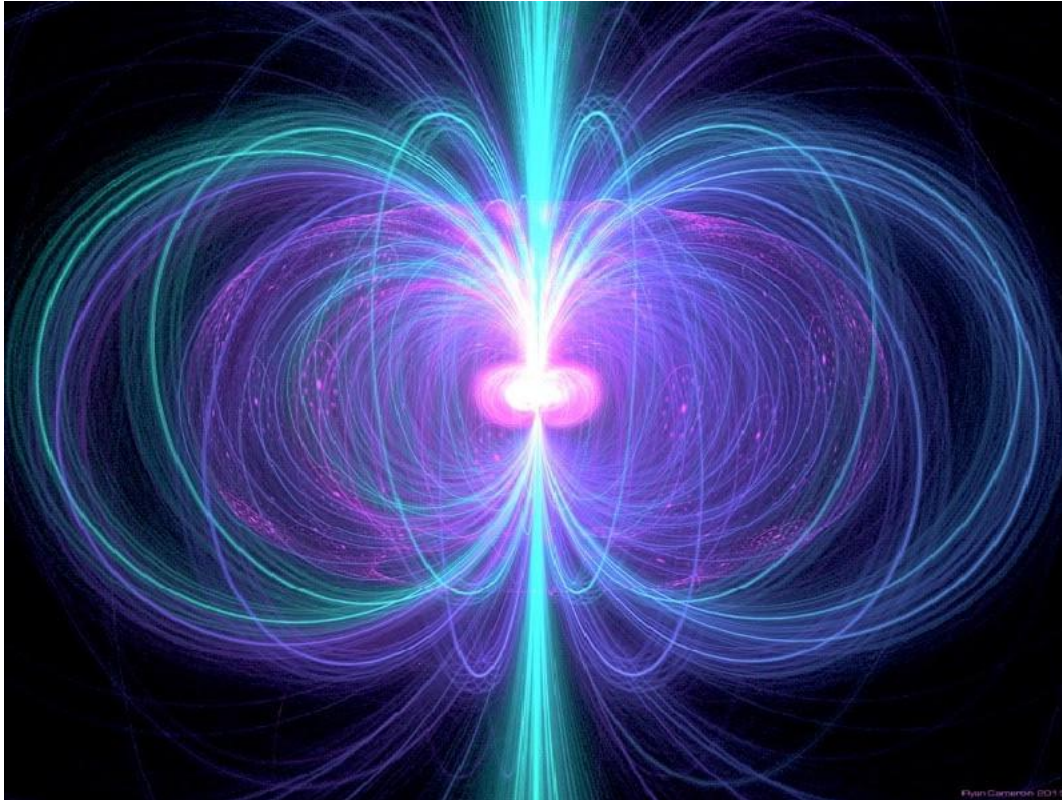


Figure 5. Formation of nuclei of galaxy

Quantized layers proceeding from inside to outside, associated with a galaxy.<sup>2</sup>

Probably, atoms are variants of bi-vortices, similar to photons, in shape.

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<sup>2</sup> This is one of the parts of one of us (RNB)'s presentation to be given at the Physics Beyond Relativity conference in Prague, in October 2019.

### Concluding remarks

In this paper we present a coherent description of newtonian dynamics with its link to aether and also origin of quantized redshift phenomena, which seem still baffle many astrophysicists up to now.

### Postscript

Obviously, if the requisite electric field strength for matter creation is present, the size factor is not very critical. The spherical anodes used in the Safire Project are not very large.

Philo Farnsworth was getting 50 Giga-Neutrons per second in 1965, due to fusion reactions occurring in his Fusor Mark IV, a spherical fusion reactor the size of a grapefruit. He used an electric field focusing "multipactor" tube of his own design as the source of electrons which acted to attract protons into the center of the volume. He fed it electrons first and then introduced hydrogen into the system. The light from the reactor was visible through 5 layers of concrete walls.

So the most important factor seems to be the local charge density, not the amount of mass already existing.

The charge density of the Earth increases at about 300 volts per meter above the surface of the planet. This implies that an electric charge of equal magnitude must live internal to the planet.

Clouds float because they are electro-negative and the planet always has an excess of negative electrical charge, due to creation of electrons internal to the mantle and core of the planet while being intersected by vortex lines and gravitational aether fluxes, flows of the "time substance" [Kozyrev], Od energies (subluminal), and Orgone flows (subluminal?).

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Version 1.0 : 12th sept 2019

Version 1.1: 18<sup>th</sup> sept 2019