

# PHILOSOPHY OF BALL LIGHTNING AND ITS MEGA COUNTERPART - THE UNIVERSE

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The beginning of this incredible story happened 34 years ago when I was a 33 year old young engineer in my home city Sofia, Bulgaria. At that time I had no idea what ball lightning was; I had never read and never heard about this unusual natural phenomenon that changed my life years later. The second half of my life (to date), I spent mostly researching ball lightning and harnessing its unlimited free energy power for practical use. Now I'm a 67 year old man, exhausted from fighting for the survival of my family and my quantum free energy project in the hostile (to me and to my QFE project) capitalist environment of my adoptive country – USA. I'm like a tired horse, with little SS pension, with no job to support my family, with no good perspectives for a decent life in my last years of life.

Mother Nature is not so generous in her choice of major energy sources. There exist only four major energy sources in the universe: 1) mechanical form of energy (wind, water fall, ocean waves, ...); 2) chemical form of energy (stored in wood, fossil fuels, and some minerals) ; 3) nuclear energy (stored in atomic nuclei; 4) quantum free energy (QFE) – fuel-less, unlimited in energy production and power, absolutely clean and safe for the environment and people around QFE generators, very inexpensive, and affordable to all nations in the world. QFE will destroy the absolute monopoly of Big Oil and Big Dirty Fossil Fuel/Nuclear Electrical. Quantum Free Energy is given by God for the survival of Human Kind! Quantum Free Energy is revelation given to me (Dr. Kiril Chukanov) by God. There are so many false, naïve, charlatans, 'free energy' inventors in the world. ZPE, 'radiant energy of the universe', Testatica, magnet/electrical/gravity' free energy, Vortex, others, are FALSE, FAKE, FRAUD, 'free energy' sources. 'Cold Fusion' is a fake energy source too. Rossi is a crook/charlatan! Don't believe them, don't waste money and time on these fake 'energy discoveries.' ONLY Quantum Free Energy is a real free energy source, only Quantum Free Energy works, only Quantum Free Energy generates over-unity. Can somebody prove the opposite claim?

Through revelation, God gave me very important information about the essence of our world. These revelations are described in my books and articles (all posted in my web-site [www.chukanovenergy.com](http://www.chukanovenergy.com)). God revealed to me the secrets of 'quantum free energy' (QFE) that can be generated from an artificially created ball lightning. Quantum Free Energy (QFE) is a gift from God for the survival of the Human Kind. There exists no other free energy source in the universe! The so-called 'physical vacuum' (and ZPE from it) is a mathematical UTOPIA!

Discovery of nuclear energy (by French scientist H. Becquerel) and quantum nature of the micro-world (by German physicist M. Planck) a little more than a century ago, heralded a new era in the evolution of Fundamental Physical Science and Energy Technology. Unfortunately, nuclear energy brought more trouble than happiness to the Human Kind. Fossil fuels and nuclear energy – the major conventional energy sources used now by our civilization – are limited in resources, and not safe for the climate and life on our planet.

Quantum Micro- Mechanics, Theories of Relativity, Big Bang Cosmology, and Standard Model, are the pillars of contemporary Fundamental Physical Science. Life – equal in importance (to the inanimate matter) form of existence of Reality – is considered a secondary form of matter, not necessary in the existence of universe, a product in the evolution of inanimate matter. However, it is impossible to explain how our world was created and how it works without taking in account the role of Life and God in this world. Some scientists are more open to new ideas and start to understand this problem. To jump over this huge gap in our knowledge of how our world is constructed and work, conventional scientists of XXth century created the so-called (by me) – **Mathephysics**. Conventional physicists of the XXth century replaced fundamental philosophical/physical principles (in theoretical models describing our physical world) with very complicated mathematics. As we know, mathematics can 'explain' everything in our physical world with the help of very complicated/sophisticated mathematical models. Mathematics is a tool in the creation of theoretical models, not a substitute of physical reality in these models. The fundamental essence of the physical phenomena in such complicated mathematical models, however, is unclear and not understood. Theoretical analysis of these complicated mathematical equations/models is analysis of underlying mathematics, not analysis of considered real physical phenomena. As a result – wrong conclusions are derived from those mathematical monsters. Newton's Law of Gravitation is, in fact, a mathematical formula describing quantitative relations between values of parameters responsible for gravity attractions between material bodies with mass in rest. What fundamental physical/philosophical principles are responsible for this omnipresent physical phenomenon is an unknown fact (still unresolved scientific mystery by conventional physical science). The same conclusion is valid for Einstein's Theory of General Relativity. This 'great' theory of gravitation is based on, the not so obvious, physical postulate of equality of gravity and inertia masses. To have the status of fundamental physical theory, however, this theory

must prove the validity of this uncertain postulate using basic physical/philosophical principles. Also, TGR (Theory of General Relativity – Theory of Gravitation) must prove that this postulate is the only factor responsible for the gravity phenomena. It is very possible that in some extreme physical conditions other factors, beside the above mentioned postulate, can influence/change the way material bodies gravitationally attract (or repulse) each other. The final (real) variant of General Theory of Gravitation must explain this phenomenon using the most basic physical/philosophical principles governing our world/universe and the influence (correction) of some quantum limitations that change the ‘normal’ work of gravitation in some extreme physical conditions. Such a theory is already created (by me) – Theory of General Gravity (described in volumes IV and V of General Quantum Mechanics, and now – in this article).

Contemporary conventional physicists are good mathematicians, but not good philosophers (most of them ignore philosophy entirely). The so-called ‘scientific community’ represents a mafia of university educated professional (working for salary) scientists that control the funds for scientific research, the public and scientific media, and governmental institutions which are responsible for the development of science/technology. Those ‘righteous’ people (to whom general public, business, and governments, believe and trust), are fierce conservators of old scientific dogmas. Nothing revolutionary, nothing going beyond the boundaries of accepted scientific dogmas, can be expected from those scientific peacocks. Conservatism kills science, and its evolution. With proud, and not because of lack of personal modesty, I claim that General Quantum Mechanics (Theory of Everything), created by me, is the final (real) theoretical description of the world which is our home. And this happens, because I live one step ahead in the Future, and because God (the Super-Mind of the universe) revealed to me the ultimate secrets of the World/Universe! Such great universal theory of everything, and quantum free energy in particular, cannot be born in the individual consciousness (mind) of a single human being without the help (revelation) from God!!!

Many years ago, in my native country of Bulgaria (at that time communist country), there have circulated (among regular people) many anti-communist jokes. I remember one joke that could have cost me (I was one of those who were composing and spreading these jokes among people) my engineering career and my freedom. The Joke: One person asks another person: ‘What is in common and what is the difference between a round-loaf yellow cheese and the sun?’ I forgot what is in common, but I do remember what the difference between a round-loaf cheese and the sun is: the sun sets down to the west, and the round-loaf cheese sets down to the east (to the Soviet Union). I have another question-joke to ask you: “What is the similarity between the universe and ball lightning?” I’m afraid that even though ‘mainstream’ scientists cannot answer this question because conventional scientists are still rotating in the area occupied only by the old scientific dogmas. Those ‘cream of the world scientific

community' scientists consider the boundaries of this area as boundaries of the whole scientific world: there is nothing existing beyond these boundaries, these boundaries are the 'end of the scientific world.' They agree that, maybe, there still exist some undiscovered islands in this closed scientific world, but there is nothing outside of the world of known fundamental scientific dogmas. I was a speaker at the III rd ISBL (International Symposium of Ball Lightning) in LA, California (1992). After my scientific report and demonstration of my ball lightning experimental set-up, I was approached by young physicist from Berkley University, California. He told me: "Mr. Chukanov, ball lightning is a plasma formation, and nothing else. I can prove theoretically (with mathematical formulae) its unusual stability and autonomous behavior." I didn't argue with this young 'professional' physicist. He could, no doubt, 'prove' anything with the help of complex mathematics. With computer simulations (very complicated mathematics is used) those 'mathematical' physicists can 'prove' how Life was created in the primitive oceans four billion years ago, how many planets in the universe have intelligent form of life, what will happen with our human civilization after 5 million years, the composition and structure of solar system that was created as result of gravity collapse of the primordial cloud of dust rotating around the young sun,..., how (mathematically, of course) the chicken egg is transformed into hen, etc., etc.

In this article I will explain what is in common between the universe and ball lightning. The common is that both material objects represent 2-D quantum material manifolds. Conventional physical science has no idea about the existing of quantum material objects. Quantum mechanics - one of the major branches of contemporary official Fundamental Physical Science is, in fact, 'Micro Quantum Mechanics'. It considers quantum phenomena only on the level of the "Micro-World", and only as 'quantification' of some physical parameters (Planck's constant 'h', elementary electrical charge 'e', the speed of light 'c', and some quantum limitations based on these quantum constants). There is nothing about 'quantum material objects' there. And there is nothing about quantification on the levels of macro-world and mega-world. And there is nothing about quantification of animate matter and spirit. Quantum mechanics created by me - the General Quantum Mechanics - covers all structural levels of material world (both of them: 'inanimate' and 'animate' material worlds). Beside known quantum world constants, I (Dr. Kiril Chukanov) discovered many other quantum world constants (see General Quantum Mechanics, all volumes). These constants, plus basic philosophical and quantum principles, determine the composition, structure, and behavior (dynamics, correlations, exchange of matter, energy, impulse, information,...) of our world. By definition "quantum" means: unique (one unit), elementary, simple, incapable of being divided in parts, symmetrical, with no internal composition and structure. "Quantum" can accurately describe material objects, some parameters of non-quantum material objects, and quantum behavior. Mathematical apparatus of the quantum theory, which describes the quantum world,

should likewise be simple, symmetrical, and beautiful. Any complicated mathematical model or theory purporting to describe quantum world is assuredly an incorrect representation of it.

As I explained in QM, Volume II, quantum material object can be only two-dimensional (2-D) 'closed' formation - manifold. That's the space of material object! Any single space dimension 1-D manifold (closed contour, circle) has no determined beginning and no determined end. As a whole, the 2-D space-manifold represents closed contour (sphere in its system of reference) with no determined beginning and no determined end on this contour.

Why the space of a quantum material object is two-dimensional configuration? Why not 1-D, or multi-dimensional configuration? This happens because, our world in its basis is shaped and controlled, beside quantum constants and principles, by some fundamental philosophical principles as: "*Principle of Unity and Struggle of Opposites*", "*Principle of Minimum Elements and Minimum Effects*", "*Principle "Negation of Negation"*", others. Elementary model of material object is composed by two elements which coexist in unit, and, at the same time – they are 'struggling' between themselves. 'Struggling' doesn't mean literally that both elements of the unit are fighting with their 'fists' like angry kids. As a result of this internal contradiction/struggling (between both elements of the unit), every material object is changing (evaluating) in *Time*. Or, *Time* exists as major parameter in the world, because there exists perpetual 'struggle' between both elements of the unit and because material objects continuously negate themselves. No 'struggle', no 'negation' – no *Time*! *Time*, as one of the forms of existing of *Reality*, is not correctly understood by conventional scientists (both philosophers and physicists) too. There exists *Absolute Time* in the universe, and this *Absolute Time* is the *Time of Life* existing on the planet Earth (the residence of the unique life in the whole universe). Our universe exists ONLY as Unit of two 'struggling' opposites: *Inanimate Nature* and *Animate Nature (Life)*. There is no *Time* out of this Unit! *Life* is the largest *Alive Observer* in our world/universe! *Life* exists from the very beginning of the universe and will exist to the end!

To be individual, distinct each from another, both elements of the unit must be located on different places on 1-D spatial dimension. During the quantum (minimum possible) time of existing, both elements of the unit change their places. 'Left' is undistinguished from the 'right'. The presence of two internal 'hidden' elements in quantum material objects, however, contradicts at first glance to their quantum nature (no internal composition and no internal structure). This contradiction is valid for non-quantum material objects too: in every material object we see only one unit, not two units that jump like frogs from left to right in the space occupied by this object. This apparent contradiction can be very easily solved: both internal elements of the unit represent, in fact, the same unique element, that changes its positions (left – right) during the minimum quantum time of its existence (quantum time). This happens

because there is no 'privileged' spatial direction/arrow in the universe. In such a way this unique element is 'struggling' with itself. As explained below in this article, both elements of the unit are 'glued' (no motion) to the 2-D surface of the 'universe-manifold'. Because of their weight (mass), they deform the 'universe-manifold' in the place of contact. Elastic reaction of the 2-D 'universe-manifold' is repulsion. Both elements are attracted each to another. That's *gravity*! See Figure 1.

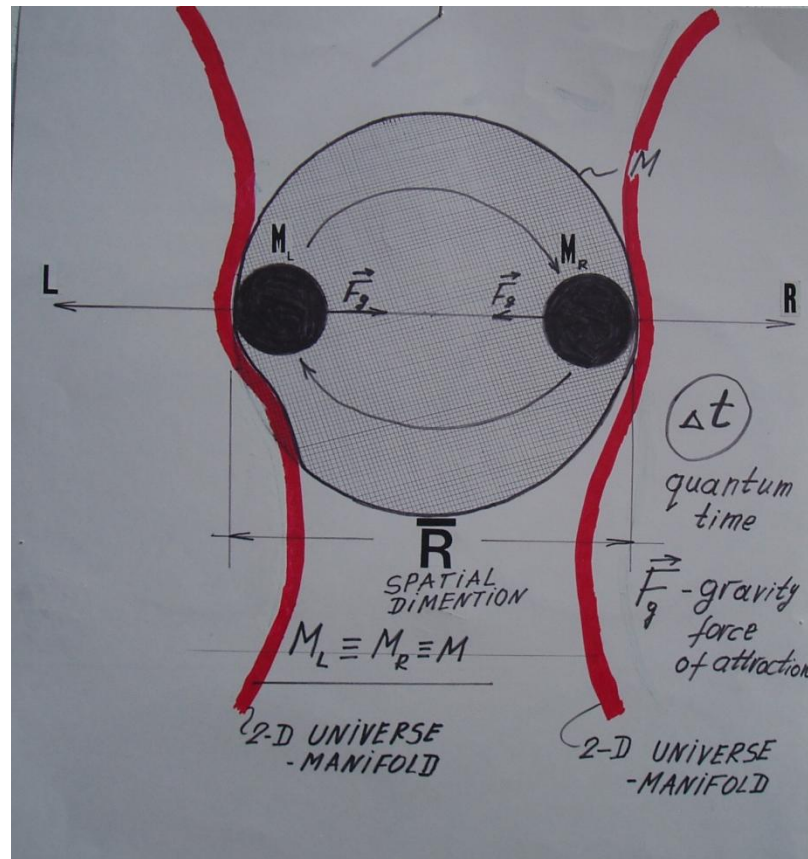


Fig. 1

Philosophical principle "Negation of Negation" requires internal evolution of the material object-dipole. Internal evolution means change in *space* and *time* (at least)! During the quantum time of its existence " $\Delta t$ " material object -dipole must "negate" itself. Nothing in this world can occupy the same spot on the 2-D universe-manifold twice in two consecutive bits of time. No material object (with Mass in rest) in this world is 'frozen' (glued) to one and the same spatial cell forever! 'Twice' I mean during two consecutive quantum time-intervals ( $\Delta t$ ). There is no absolute rest in the universe. Quantum (minimum possible) world constants velocity ( $V_{min}$ ) and acceleration ( $a_0$ ) forbid absolute rest of material objects in the space of the universe. That means that second independent spatial dimension is needed for this negation (evolution).

Without internal negation of its state (change/evolution in space and time) material object cannot be detected (observed) in principle by outside animate observer. If the material object (in absolute rest) cannot be detected in principle, this object doesn't exist at all. See Figure 2.

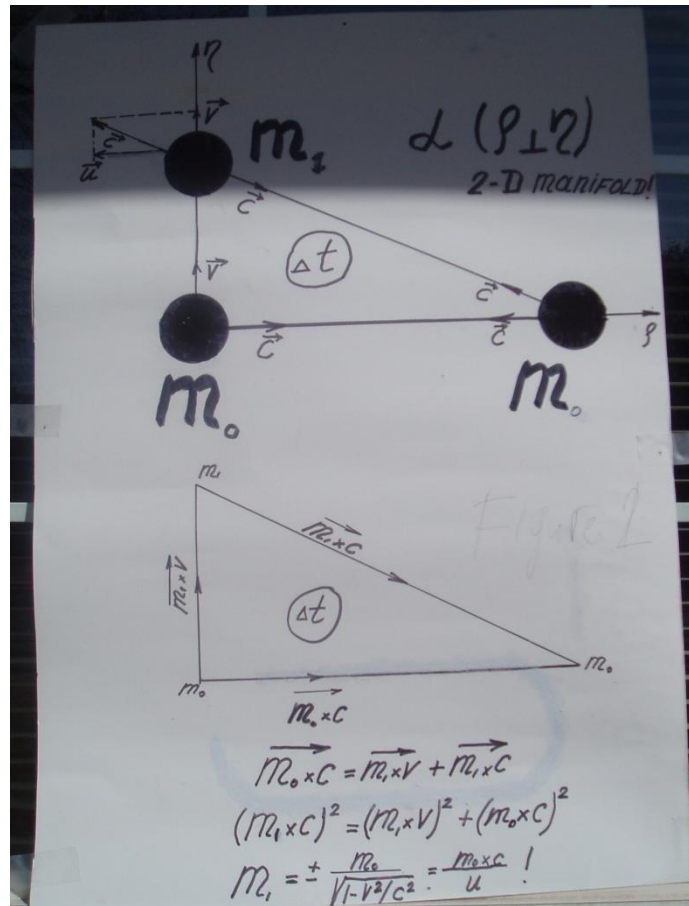


Fig. 2

During its quantum time of existence " $\Delta t$ " the values of parameters of the quantum material object don't change - they are constant values, no matter what outside actions are applied upon this quantum material object. Any change means some internal process between different elements of this material object. However, quantum material object has no internal composition and structure, and no individual elements. Please, do not confuse 'quantum internal composition and structure' of quantum material object with the composition and structure of non-quantum 3-D material object. In the case of quantum 2-D material object we have just one individual object  $m$  that is correlated (according to main philosophical principles) with itself. In the case of non-quantum 3-D material object we have the case of material object that is composed by numerous individual material sub-objects, and with definite internal

structure. Of course, because of possible interactions between individual sub-elements (and between these elements with outside actions) of this non-quantum 3-D object, the values of its parameters can change all the time. In some ball lightning experiments I observed change of spatial dimensions of ball lightning. This happens because every new (next in time) quantum time-interval ball lightning ‘resurrects’ as new material formation. Because of some outside actions, the new, ‘resurrected’ ball lightning, can acquire new quantities of its parameters: it can change its spatial dimension or its color (temperature).

I will not disclose in this article the practical applications of quantum material objects in energy and other fields of industry, because I’m the first person in the world who understood the unusual quantum nature of these material objects, because I’m the first person in the world to make R&D on these objects (24 years already), and because quantum material objects (especially ball lightning) are my business. And because, greedy dishonest conventional scientists-plagiarists and businessmen want to steal absolutely for free my invention. We still live in the sinful world of capitalism where ‘money-profit’ is the supreme ruler of the human society. Money/profit kills the moral of people!

Non-quantum material objects, as we know, represent 3-D configurations. They have spots, points, or zones in their 3-D volume that can be differentiated from each other. This distinguishing feature in how non-quantum material objects are constructed cannot be, of course, valid for quantum 2-D material objects. See Figure 3.

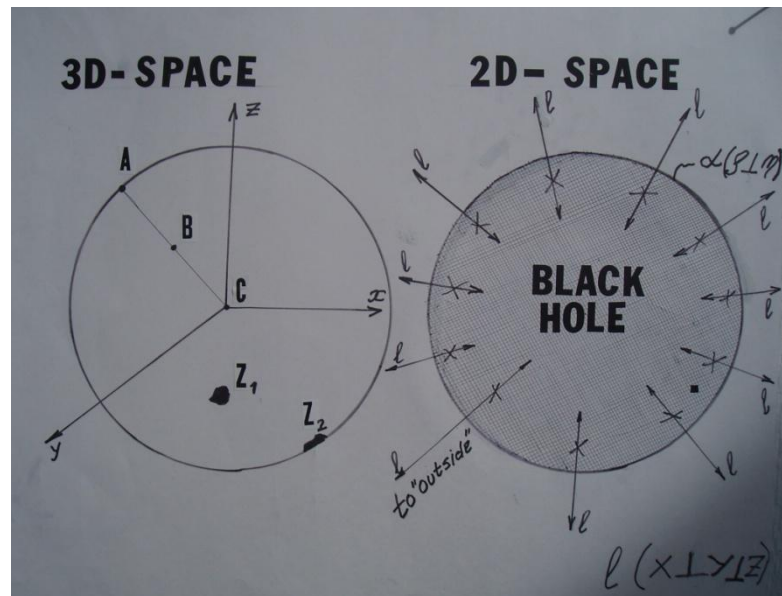


Fig. 3

Obviously, point “A” on surface “ $\alpha$ ” is different from point “C” in the center of the sphere or point “B” located midway between surface “ $\alpha$ ” and center “C”. The same concept is



valid for the zones “Z<sub>1</sub>” and “Z<sub>2</sub>”. By definition quantum material object cannot have internal composition and structure – it has no differentiated spots/points or zones. Quantum material object can be only 2-D closed contour (manifold)! Inside of this closed contour there is nothing, no space, no material substance. ‘Inside’ of the quantum material object is like geometrical point – absolutely ‘emptiness’ (real ‘black hole’). Unlike geometrical point (mathematical imagination with zero spatial dimension), quantum material 2-D manifold has determined (measurable) values of its spatial dimensions.

In our 3-D world (I mean only the one face of our world – its individual face) a 2-D quantum material object looks like a balloon – only skin with zero thickness ( $d = 0$ ), no space, and no material substance underneath this skin. Ball lightning, as I explained in my published books, represents a giant macro-atom composed by 2-D positively electrically charged ‘proton matter’ nucleus and 3-D electron cloud (shell) around it. The 2-D ‘proton matter’ nucleus is ‘open to the outside’ – the third spatial dimension “L” starts from the surface of this 2-D nucleus and goes to ‘outside’. See Figure 4.

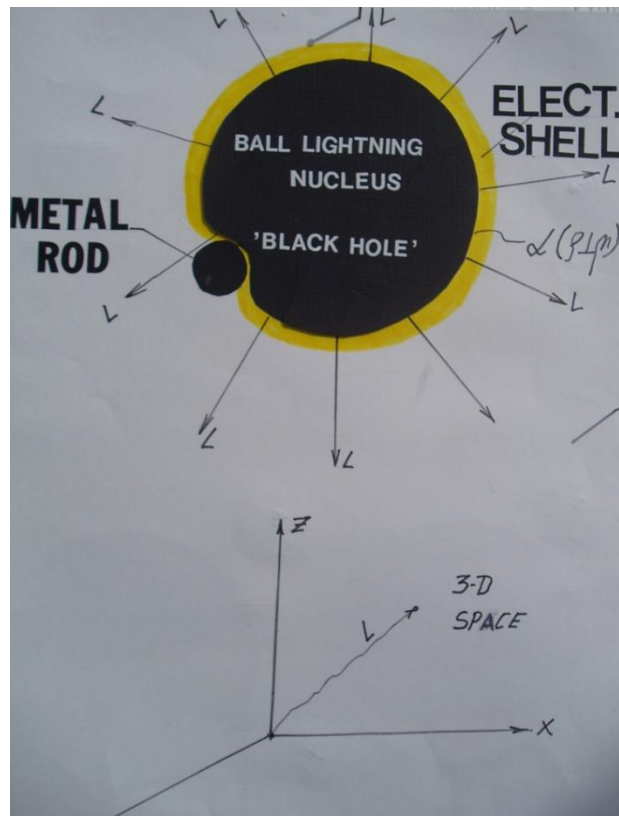


Fig. 4

The experiments I have conducted on macro- quantum objects (ball lightning) prove beyond any doubt the two-dimensional (2-D) model of those unusual material objects. The discovery of such unusual material objects opens the gates of science to a hitherto unknown world (quantum world) with very stimulating features and very useful practical applications. This discovery changes the field of physics in fundamental way.

Here I will consider different kind of experiments that I performed on this unusual quantum object (ball lightning) in order to prove the 2-D nature of quantum material objects.

- **Experiment # 1. Electrical current through ball lightning nucleus.**

Because ball lightning nucleus represents 2-D material manifold with no space inside, this nucleus is impermeable to electrical current. See Figure 5.

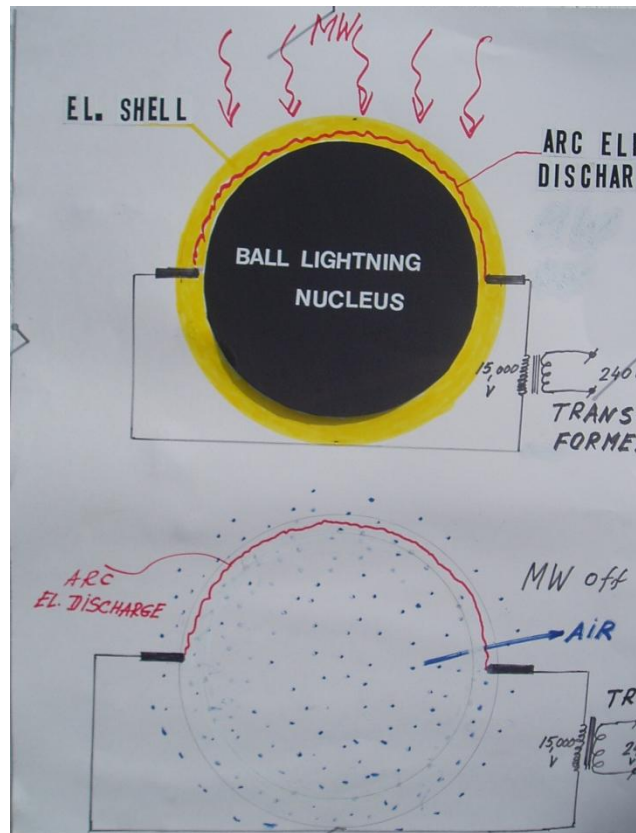


Fig. 5

A weak high voltage electrical current (in my experiments:  $U = 15,000$  volts;  $I = 0.01$  amps) applied to the ball lightning nucleus creates an arc discharge that enfolds the ball lightning. Instead of passing through the ball lightning by the shortest way (as every 'normal' electrical current does) – a straight line between two electrode, the electrical current 'prefers'

to slide over the surface of the ball lightning nucleus. Artificial ball lightning is created by MW (microwave) field in MW chamber. When the MW is shut down, ball lightning disappears instantly. After ball lightning disappears, electrical current continues to flow through the existing path around the ball lightning nucleus. Few seconds later electrical current makes correction of its path – it starts to flow through the shortest way between both electrodes – the straight line between them.

- **Experiment #2. Deformation of the ball lightning 2-D nucleus.**

In my experimental generator in California (1990-1992) I was able to manipulate continuously existing ball lightning with robotic metallic hands. See Figure 4 (posted above in this article).

Metal stick touches the surface of ball lightning nucleus. It is impossible (for the stick) to penetrate into the volume occupied by the ball lightning nucleus, because such volume (3-D space) does not exist! 'Inside' of ball lightning nucleus is absolutely emptiness, 'black hole', no space, no material substance. The space starts from the surface of the ball lightning nucleus and goes to 'outside'. To avoid penetration into non-existing 3-D volume of ball lightning, ball lightning is deformed in the place of contact. The total surface of ball lightning keeps unchanged.

- **Experiment #3. Ball lightning – autonomous 2-D quantum macro-body.**

Some ball lightning researchers consider ball lightning as stable plasma formation – 'plasmoid', or 'plasmac'. 'Plasmoid' is plasma, anyway, – it is composed by myriad of little particles (electrons and ions) loosely connected between them by electromagnetic forces (gravity forces are too weak to play some substantial role). What kind of unknown strong forces between micro-particles in plasma can create such stable formation as ball lightning? There exist no such electromagnetic/or nuclear/or gravity/or weak nuclear forces in nature which are able to maintain integrity of ball lightning as autonomous body during its existence, and especially when harsh (destructive) outside forces are applied to ball lightning. In my experiments in ANGEL I, I create conditions for very fast rotation of ball lightning – hundreds rotations/minute. Logically we could expect destruction of ball lightning body (because of very strong centrifugal forces), but this doesn't happen. Ball lightning is stable during its very fast rotation. Ball lightning 'tornado' has nothing to do with the false 'vortex'. Ball lightning is just quantum (one unit) 2-D material body, with no internal individual elements and no internal

forces keeping them together. Ball lightning is an absolute 'black hole' (no space, no material substance under its 2-D surface). Under (to 'inside') this 2-D quantum closed (manifold) there exists NOTHING to be destroyed due to destructive centrifugal force that appears during very fast rotation of ball lightning. **Link of YouTube video #2.**

- **Experiment #4. Ball lightning nucleus – 'absolute black hole'.**

Artificial, continuously existing ball lightning, is created in quartz chamber with the help of MW field. Quartz chamber is connected to a vacuum pump and to the open air. Manual and solenoid valves connect and disconnect the quartz chamber with the vacuum pump or with the outside air (1 atm).

The technology of the experiment is as follow: in the quartz chamber vacuum is created with the help of small rotary pump. MW is 'on'. Regular plasma appears: pink color. We press on the button - that opens and closes solenoid valve - to raise slowly the air-pressure in the quartz chamber. Still plasma is presented in the quartz chamber. If we stop the microwave, plasma disappears immediately. Air-pressure in the quartz chamber doesn't change. That's a normal thing – plasma, like gas, occupies the whole available to it volume in the quartz chamber. We start the experiment anew: vacuum – microwave on – plasma appears – raise of the air pressure in the quartz chamber – ball lightning appears for some value of air pressure (ball lightning is still dim) – we continue to raise pressure – ball lightning becomes brighter and brighter – finally 1 atmosphere air-pressure (normal pressure in the lab) is reached in the quartz chamber. Ball lightning is very bright. Solenoid valve that connect the volume of the quartz chamber with outside air is closed - ball lightning occupies some part of the volume in the quartz chamber, the rest of the volume is occupied by air under 1 atmosphere pressure. Ball lightning behaves as autonomous body – it is like a balloon with no space, and no material substance inside. Ball lightning is located on the top of the quartz chamber because it is empty (no substance) inside. If ball lightning is a 3-D material body, then, if we stop the microwave power, pressure in the quartz chamber will not change. However, this 'normal' physical event doesn't happen for ball lightning: when we stop the microwave, ball lightning disappears instantly, pressure in the quartz chamber drops instantly and considerably. Someone can argue: pressure drops (decreases) because air in the quartz chamber cools down when microwave power is off. It's absolutely not true: when microwave is off, the quartz chamber stays too hot for longtime, air confined in the closed quartz chamber cannot cool down instantly (and pressure cannot drop instantly), and so much. The only reason for this unusual phenomenon is that when ball lightning disappears instantly (MW is off) the volume occupied by ball lightning (no air, no any other material substance, in this volume) is filled by the air from the rest of the volume in the quartz chamber. This fundamental discovery in physics is for Nobel Prize (at

least). New kind of material objects are discovered – 2-D quantum material objects! A real ‘black hole’ is discovered – ‘black hole’ without space inside (absolutely emptiness) which radiates photons as heated body. See Figure 6. **Video 3 and 9.**

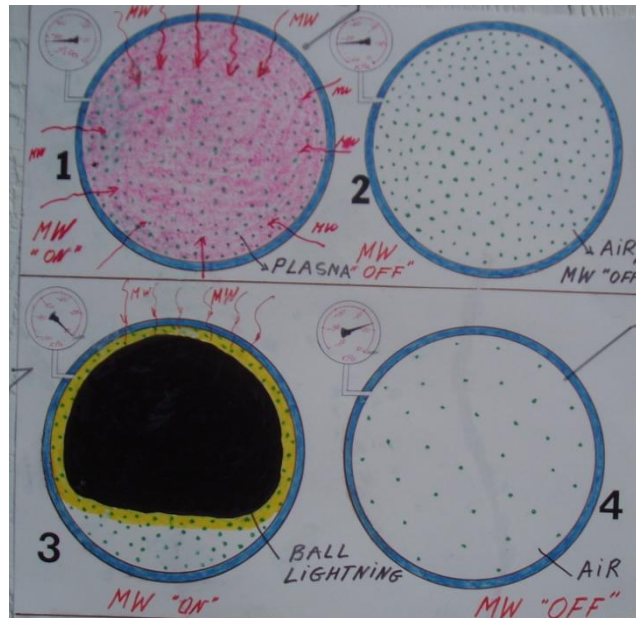


Fig. 6,a

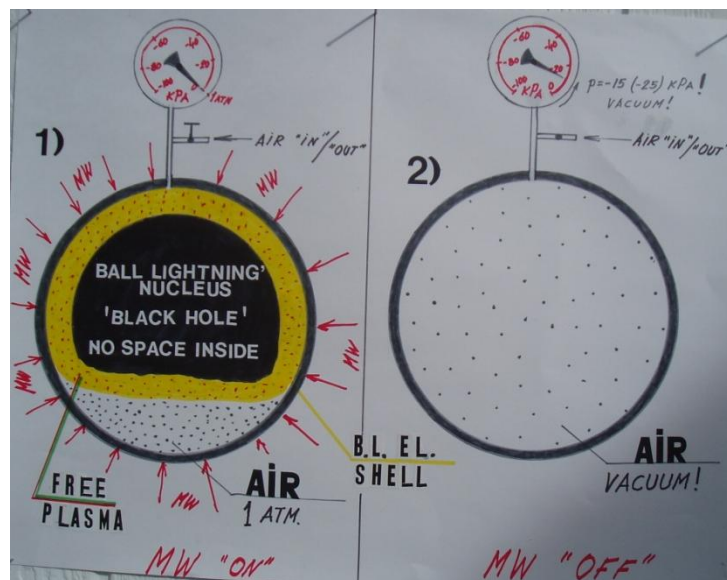


Fig. 6,b

I’ve conducted different experiments to prove the reality of this unusual physical phenomenon. I’ve used quartz chambers with different volumes. If there is no obstacle (too

small volume, for example) ball lightning develops itself in full size; the size of ball lightning for constant pressure and constant MW power is constant value. If the volume of the quartz chamber is much bigger than the volume of ball lightning, the drop of air pressure (after MW is off) is small, insignificant. If ball lightning occupies almost the whole volume in the quartz chamber, the drop of air pressure is considerable.

Ball lightning nucleus is a very elastic body – under pressure it can decrease its size (volume, surface). Let's keep ball lightning in closed quartz chamber for long-time (several minutes or more) under normal atmospheric pressure – 1 atm. The MW field and forced cooling of the quartz chamber keep temperature of the air in the quartz chamber at constant value (several hundreds degrees centigrade) during long-period of time. Due to constant bombardment of the ball lightning nucleus by fast air-particles from below, ball lightning decreases in size (it occupies smaller volume in the closed from outside quartz chamber). Air-pressure in the quartz chamber drops below 1 atm (that's vacuum). If ball lightning nucleus is filled with air particles (atoms or plasma), this phenomenon cannot happen! In fact, air or plasma at constant temperature NEVER change their pressure! However, ball lightning nucleus is a 2-D material manifold with no space (and material substance) under its surface.

Let's make another experiment. Air compressor pumps air (approx. 50 psi) into the quartz chamber.

What do you expect to happen? If the quartz chamber contains air or plasma under 1 atm pressure, the extra (over 1 atm) pressure will blow up the fragile quartz chamber (outside quartz chamber air-pressure is 1 atm). This 'normal' event doesn't happen with ball lightning inside the closed quartz chamber. The extra pressure from the air-compressor squeezes the ball lightning nucleus to a smaller size (smaller volume, smaller surface); pressure in the quartz chamber stays the same – 1 atm. Is that violation of the laws of gases? No, just ball lightning is totally different kind of matter – 2-D quantum material object! See Figure 7 (4 & 5).

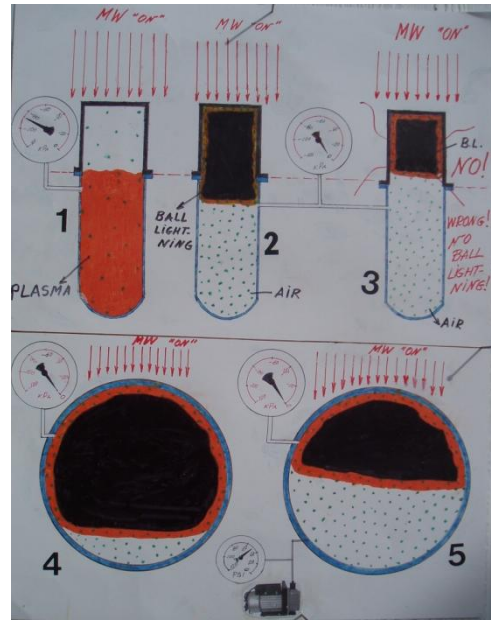


Fig. 7

- **Experiment #5. Ball lightning – quantum unit.**

The chamber containing ball lightning is composed by two bodies: lower body represents open from the top quartz chamber; the upper body represents metal cap closed on the top and open on the bottom. Between both bodies there is silicon seal. See Figure 7 (1,2,3).

First we create plasma (low air-pressure). Plasma can exist only in the lower quartz chamber because metal walls of the upper metal chamber shield (screen) MW field. Figure 7 (1).

Now, let's start to fill the 'metal-quartz' chamber with air from outside. The pressure in this chamber increases. At some moment (for some pressure) dim ball lightning starts to appear. More pressure – brighter becomes ball lightning. At normal atmospheric pressure (the chamber is open to the outside air) ball lightning nucleus is brightest. And with great surprise we see that big part of the ball lightning occupies the whole volume of the upper metal chamber!!! Ball lightning has no business to be there; there MW field is supposed to be shielded by metal walls of the metal cap. Again violation of known physical laws!? This strange phenomenon could happen only with macro-quantum material object. Quantum material object is unique, one body, no parts (sub-elements), and no internal structure. Obviously MW field maintains ball lightning continuously alive. When part of ball lightning's surface is exposed to the action of the MW field (in the lower quartz chamber), that means that the whole surface of ball lightning is exposed to the action of the MW field, because ball lightning has no distinguished individual parts. If one touches, for example, quantum 2-D body in some geometrical point on its surface, one touches, in fact, all geometrical points on this surface; one touches the whole quantum body. See Figure 7 (2). The third variant (Figure 7 – 3) is impossible to happen because no part of ball lightning is exposed to the MW field. When ball lightning

crosses the line of demarcation (the line where metal and quartz chambers stick each to other), ball lightning disappear.

This quantum macro-phenomenon has important practical application in QFE technology and in some other fields of quantum technologies! I remember one episode in my long research on ball lightning. This happened in 1991 in my lab located in the high-tech company of my friend Genco Genov (in Silicon Valley, California). Genco Genov (owner of GenMark Automation; of Bulgarian origin like me) was very proud of my work on QFE from ball lightning and he never missed opportunity to demonstrate my QFE experimental set-up to visitors of his company. This time visitors were engineers from German high-tech company. Among other things, I told them that ball lightning, as quantum macro-material-object, has absolutely constant temperature at all its points on the surface. Also, I demonstrated to them that ball lightning can be flattened (deformed) to the state of pancake (very little thickness, for the same surface). One of German engineers was a pretty smart guy. Few years later Genco Genov wrote me (I was in Utah at this time): 'We are stupid people to demonstrate and explain to outside specialists the unusual quantum features of ball lightning. Germans got patent on this phenomenon. They use constant quantum temperature of ball lightning in production of very high-quality silicon hardware discs. Genco Genov was honest friend: he never asked me to give him share in my QFE business. He died in boat accident in 1998. Unfortunately, not all businessmen are like him. In their majority they are greedy, dishonest business sharks.

Ball lightning nucleus is a 2-D manifold (closed configuration). In the system of reference of this 2-D closed surface "alfa", this manifold represents perfect (ideal) sphere, with no distinguished spots, points, and zones on it. This ideally spherical manifold is "open" only to the 'outside'! It is like geometrical 2-D surface with some finite (not infinite like flat surface) curvature. Quantum electrons that belong to this giant atom are hovering above this nucleus/manifold. See Figure 8.



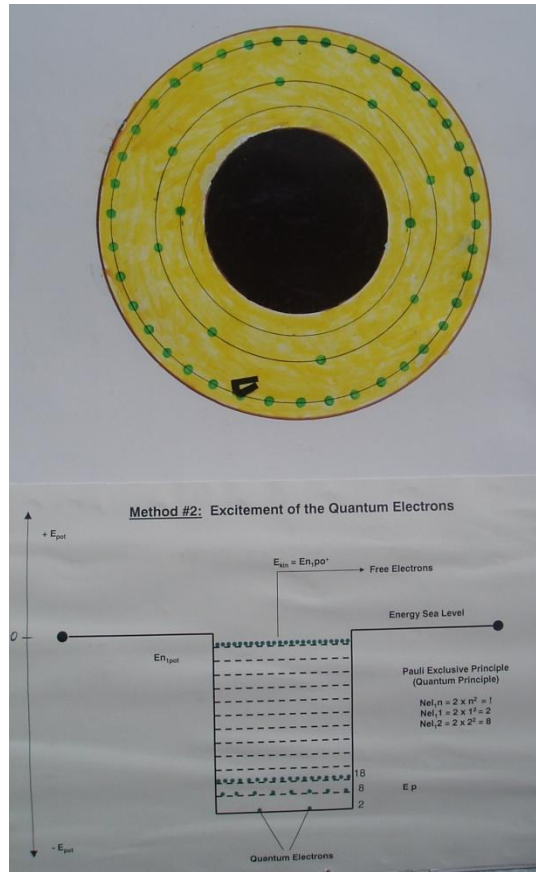


Fig. 8

Now try to understand: because the nucleus (2-D manifold) represents quantum material object with finite spatial dimension and no distinguished individual spots, points, or zones, the quantum electrons 'rotating' around this quantum nucleus are located (at any given time) above any imaginable geometrical point on this surface-manifold. That means that quantum electrons do not rotate in the system of reference of the nucleus (manifold): they are simply located everywhere above this nucleus. Quantum electrons are not particles-points located in some spot of the orbit around the 2-D nucleus. And, they are not particles-waves, located in some spots on the orbit with some probability, as conventional quantum mechanics claims. Quantum electrons are located everywhere, and nowhere at the same time, on the spherical orbits around quantum nucleus. Quantum electrons represent spherical shells – like the onion shells – around the 2-D body of the ball lightning nucleus! As we know from physics, electrons in atoms are obeying Pauli exclusive principle: they are located on different quantum orbits (with different quantum characteristics) and have determined (not any) quantum energy. See Figures 9,10,11.

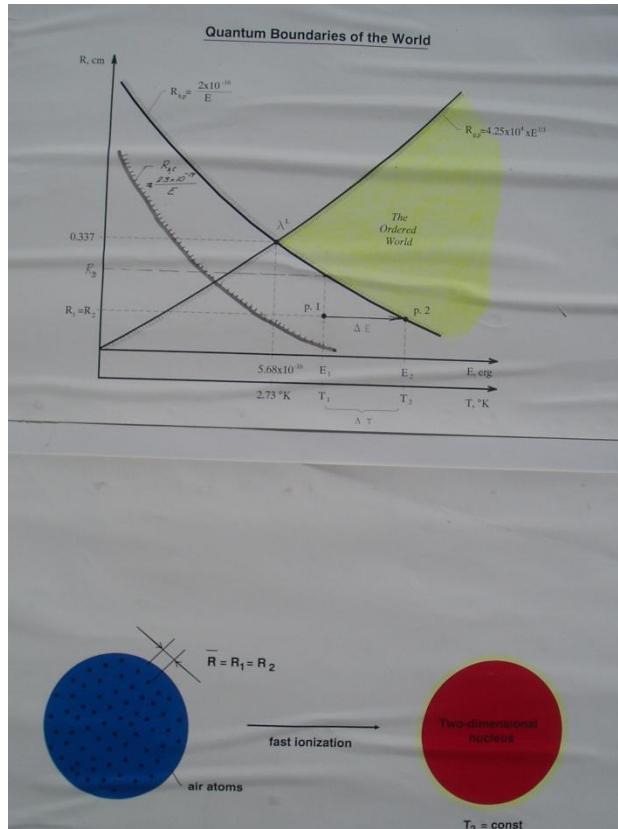


Fig. 9

## Ball Lightning Giant Macro Atom

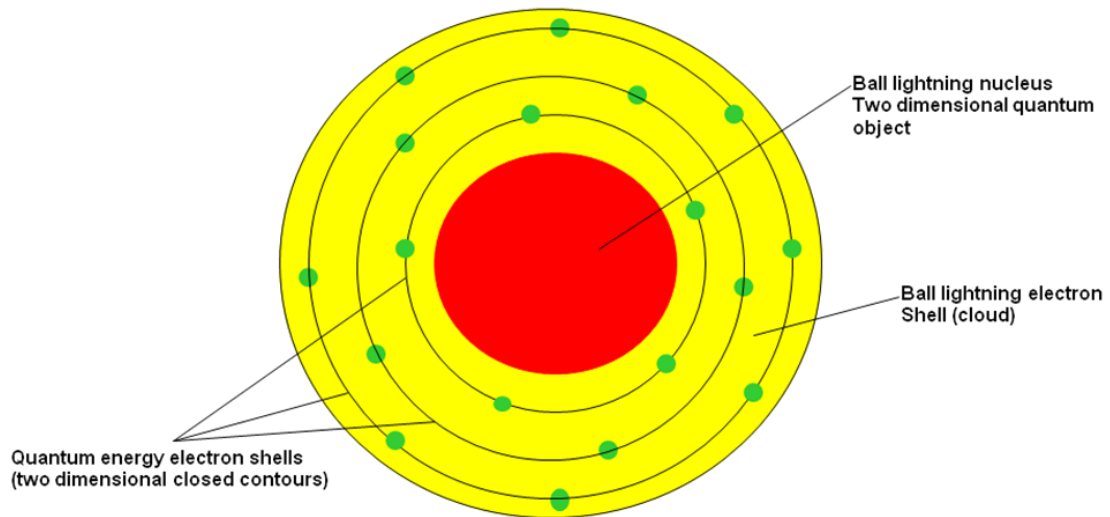
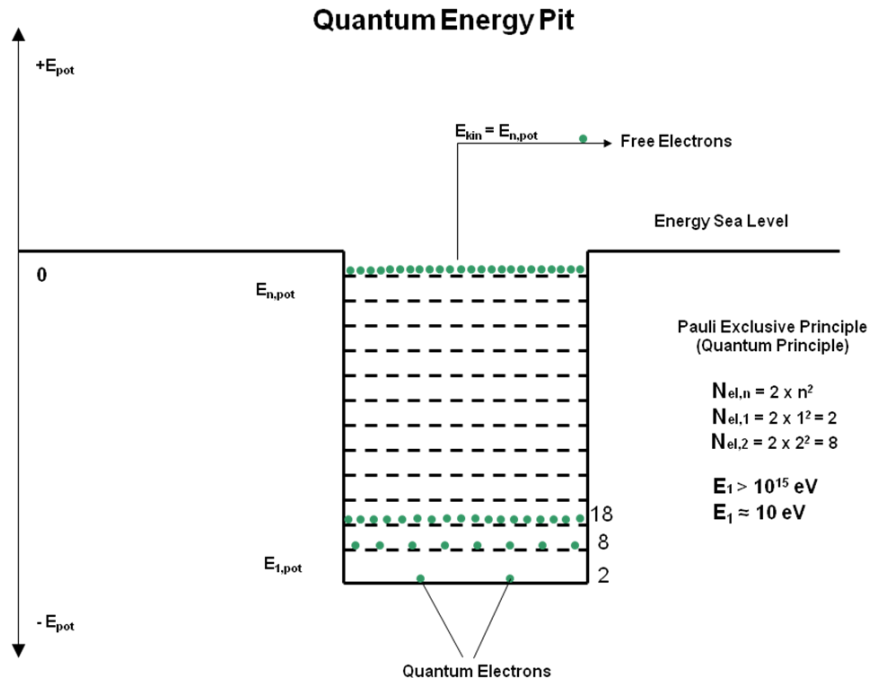


Fig. 10



Quantum Energy Pit - an inexhaustible reservoir of quantum free energy

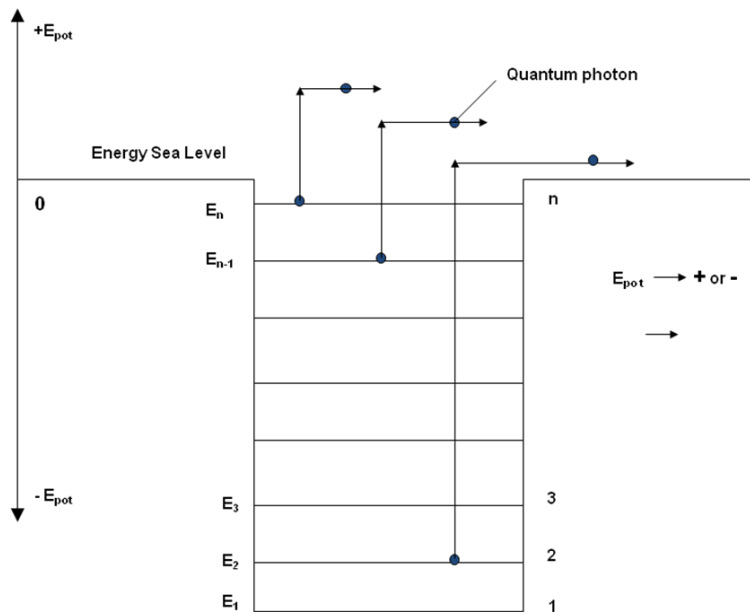


Fig. 11

Orbits of quantum electrons represent 2-D spheres – like onion shells. Hence, spatial dimension of a quantum electron is the spatial dimension of its corresponding quantum

spherical orbit. On this quantum orbit the electron has some constant quantum energy. This energy is kinetic energy:

$$E_k = m_e \times v^2/2,$$

Where,  $v$  – speed of rotation of the electron.

But how can we talk about speed of rotation of the electron around quantum nucleus if this quantum electron is located at any time above any geometrical (imaginable, not real) point on the nucleus? This quantum speed and corresponding kinetic energy are 'hidden', not in action. To become 'open' (real, working) quantum electrons must be involved in some outside (to the atom) activity. Such outside activity could be applied (to the atom) electrical current.

Electrons are carriers of electrical current. If electrical current is weak (small amps), then this current is carried only by the free (not connected with quantum nucleus) electrons, which are always presented in the zone of the electron cloud (electron shell) of the atom/ball lightning. This happens because there exists in our world philosophical (quantum) principle - *Principle of Minimum Effect* – which limits to minimum the effect of violation of *Law of Energy Conservation*. Quantum constants and principles are always stronger than physical laws. Quantum constants and principles are the Quantum Constitution of the World – they never can be violated. Physical laws can be violated if they contradict to some items of the Quantum Constitution of the World. Pauli Exclusive Principle 'works' in atoms (and ball lightning, of course) – it determines the values of quantum parameters and behavior of quantum electrons.

In such a huge, macro-atom, as ball lightning is, there are trillions of trillions quantum electrons. Potential energy of electrons in atoms is considered to be negative energy. However, energy of 'rotation' of electrons (the kinetic energy) is always positive energy!!! Kinetic energy of quantum electrons is not any accidental energy acquired by electrons during the time of formation of ball lightning, this energy is 'quantum' energy – energy corresponding to the quantum orbit to which given quantum electron belongs. The closer are quantum electrons to the quantum 2-D nucleus – the bigger is this quantum energy, the bigger is their velocity (speed). Calculations show that energy of lower quantum orbits is tremendous - bigger than the energy of high-energy cosmic rays. Where this tremendous energy comes from? The right answer is: from nowhere! Such tremendous energy is not available in the surrounding space where ball lightning is created. This tremendous energy does not come from some mysterious (not existing) energy reservoir – 'physical vacuum', as ZPE free energy researchers wrongly claim. This tremendous quantum energy is a result of violation of the Law of Energy Conservation. Again: potential energy of quantum electrons is negative by contrast of the 'zero energy level' in the atom/ball lightning ('zero energy level' is energy of ionization of outside

electrons – few eV). However, kinetic energy of quantum electrons is always POSITIVE! There exists no NEGATIVE KINETIC ENERGY in our universe! Kinetic energy is energy of motion! Motion cannot be negative!

If electrical current applied to the giant atom/ball lightning is strong enough (big amps), free electrons are not enough in number to carry all electrical current. In this case some of quantum electrons are involved in the game – carriers of electrical current. Again, Principle of Minimum Effect limits to minimum violation of the Law of Energy Conservation: only low-energy quantum electrons are involved as carriers of electrical current. The bigger is electrical current – the more quantum electrons (from higher energy orbits) are involved as carriers of electrical current. As was mentioned above, only outside action upon atom/ball lightning can make quantum electrons individual (not ‘hidden’) particles. Kinetic energy (energy of rotation) of quantum electrons determines their speed/velocity of rotation around ball lightning nucleus. Note that electrical current between two electrodes (which touch the ball lightning nucleus) is going on circular path around the ball lightning nucleus. From physics we know that when electrically charged particles (in this case – electrons) are moving on circular paths – they radiate photons (synchrotron radiation). See Figure 12.

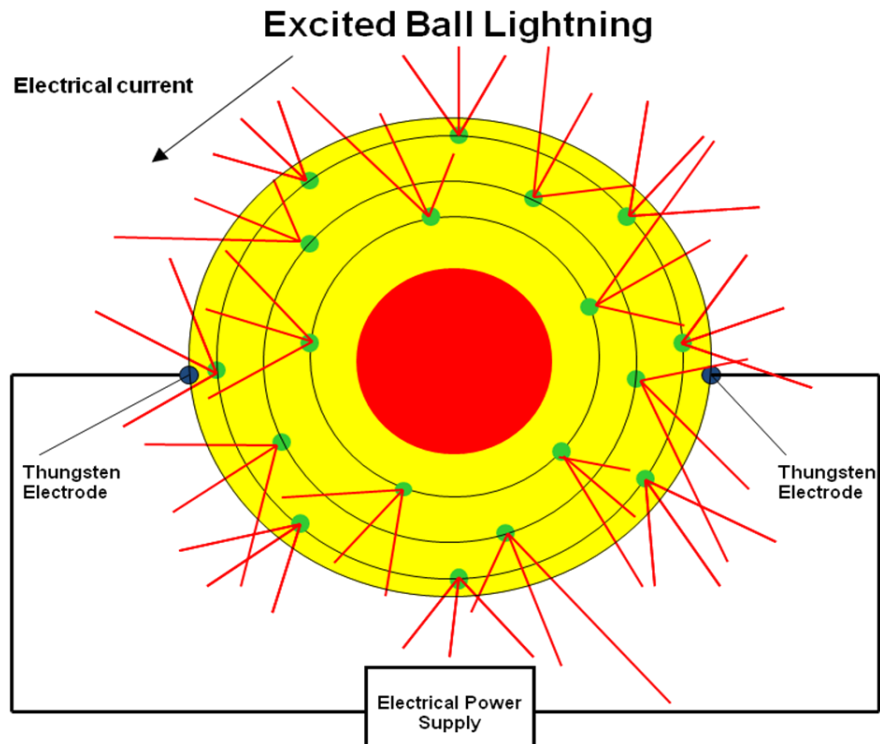


Fig. 12

Such ‘quantum synchrotron radiation’ was observed by me in experiments conducted on artificially created ball lightning. In my experimental generators ANLAUTRON-II, and IV, I

created big-power ball lightning (85 KW input MW power, 3-4 feet diameter ball lightning). Two big diameter ( $d = 1 \frac{1}{2}$  ") tungsten electrodes were touching the ball lightning electron cloud (shell). Strong electrical current ( $U = 8,000$  volts,  $I = 400,000$  amps) from bank of powerful capacitors (every 12 sec discharge) was shouted into ball lightning. In first my experiment the resulted effect was incredible and somewhat frightening: tremendous power (millions volts and millions amps) backward free quantum electrical current was generated by the 'excited' (my term for this phenomenon) giant ball lightning. All big 'ball lightning' installation was destroyed. Fortunately for me, I was controlling the process from big distance (30 feet away) – from 'remote control' panel. The big expensive quartz bell jar (which houses ball lightning) collapsed into small fragments. Quantum free energy heat, generated in this apocalyptic burst (just one discharge from the bank of capacitors), almost melt the metal MW chamber. I spent six months repairing (and changing) the destroyed QFE (quantum free energy) installation. Eight different traps were installed in the system to annihilate (dissipate) the huge power of QFE backward electrical current. Luck of investment and technical problems were the factors that put end of my efforts to harness this colossal source of free energy (electrical energy) source for practical use. Quantum Photonic Bomb is the extreme variant of practical application of this QFE method (extreme equipment is needed). This diabolic weapon of super-mass destruction (millions, or billions of times more destructive than conventional nuclear bombs), I hope, never will be built on our planet! I'm certain that God will not allow this to happen!

My intellectual rights on this QFE method are protected by issued U.S. patent.

As it happens pretty often in R&D activity, the luck of investment to finish some work serves as good stimulus for invention of new, simpler and less expensive, method of generating the same effect as using the abandoned expensive method/technology. The same happened with me: when in the summer of 2008 my Canadian investor told me that he cannot invest anymore in my QFE project because of bankruptcy of his other businesses, I was on the edge of bankruptcy of my QFE project and my family. At this very critical moment in my life God gave me new ideas how to harness (in simpler way) unlimited power of QFE. Tests on my QFE technological generators ANLAUTRON, II, and IV, have proved the reality of this new QFE method. New U.S. patent application was filled (from Canada). Unfortunately I couldn't continue this work in Canada because of lack of income and my expired Canadian business visa. I moved back to my home in Salt Lake City. Here, in my garage and in my small lab, with the last my money left, with the materials and equipment I had, with my own labor, I started construction of middle power commercial QFE generator ANLAUTRON – 1000 (1 MW QFE generator). I didn't finish this generator because of no money, no income, and no job. Great Recession - especially severe for people in my age – I'm 67 years old now. Instead of big QFE generator, I built small QFE experimental QFE generator ANGEL I. On this generator I discovered new sub-variants of the new discovered by me (in Canada) QFE technology. I have no money to

fill new patent application. False candidate investors-spies from U.S.A. have proposed me 'free expert tests' of my QFE generator. I refused their 'generous help'. I'm not so naïve as I was 22 years ago when I came to America. I do not believe and trust the 1% Rich Elite and their 'experts'! I belong to the 99% Americans. I work for them. Now I'm oriented to foreign candidate investors. God knows His job: He is controlling this fundamental energy project.

To have final success in harnessing new discovery for practical use, the inventor must know first off all what he discovered: he must know theory behind this discovery. Right theoretical model helps inventor to go in straight direction to the final goal (practical application of his discovery), to avoid temptations of 'reasonable' technical ideas-solutions that will divert him to technological 'dead end' ways. Rossi – the 'inventor' of new cold fusion technology – is a shameless plagiarist (I was doing this research 18 years ago in Salt Lake City), a CF imposter, a circus clown-inventor. He says: 'I don't understand the science behind my CF discovery, and I don't care to know it. Important for me is that this CF method works, and that it has huge practical application'. The "Rossi CF method" doesn't work, this method is fake. If Rossi will run his 1 MW CF generator for enough long-time (24 hours at least) his claimed huge CR effect will fade away. The 'military costumer-expert' is Rossi's friend – crook like him.

To me the right/real model of ball lightning always was 'star-guide' in my practical work on QFE from ball lightning. To create 'right theoretical model' of this, unknown by conventional physics 2-D macro quantum object (ball lightning), scientist-inventor (in this case – that's me) must break with old, exhausted already, scientific dogmas, and embrace new, revolutionary for fundamental physical science, ideas-dogmas. This cardinal change of human worldview cannot happen without the help of God. All great discoveries in science, technology, art, politics,..., and all other spheres of human collective activity, are revelations from God! God gives these great revelations to His scientific/technological/art/political/... prophets at right (quantum) time-knots on the Quantum Wave of Life Evolution (evolution of human civilization in particular)! Not earlier, not later!

Quantum 2-D material object has no distinguished individual elements in it, and, by consequence - no internal structure, of course. Hence, no internal actions (mechanical processes, chemical or nuclear reactions, etc.) can be responsible for its evolution in time, including for its destruction. If ball lightning disappears suddenly, this 'tragic' (for ball lightning) event is due to some external conditions: leak of its total electrical charge to outside environment, external 'uncomfortable' conditions for existing of ball lightning, etc. Ball lightning behaves as autonomous elementary (just one unit) body. Like all material bodies in the universe, 2-D quantum material object possesses some parameters that determine its personality (gravity mass, volume or surface mass density, temperature, electrical charge,

magnetic charge, spatial dimension, etc.). Unlike normal, non-quantum 3-D material objects, quantum 2-D material objects keep the values of their parameters unchanged during the time of their existence. Such changes of parameter values, due to external actions upon the 2-D quantum material objects, cannot happen because these unusual material objects are quantum units – they cannot be split into smaller parts, their parameter values cannot be split into smaller parts (or increase the magnitude of these values) too. These quantum features of 2-D quantum material objects can have huge practical application. As a matter of fact, I use this property of ball lightning to generate abundant, unlimited,..., quantum free energy from it. I don't want to reveal in this article the technology of generation of QFE from ball lightning – technology based on the conservation of parameter values of ball lightning during its continuous existence. QFE is business for me; and patent secrets! False candidate-investors – spies, like buzzards, are hovering above my free energy invention. Big Oil, Big Dirty Electrical (coal and nuclear), Big Capital, and U.S. Government (puppet of the top 1% Rich Elite) are not interested to change existing energy status quo in the U.S.A. and in the world. Quantum Free Energy (QFE) will destroy absolute monopoly of the Big Oil and Big Dirty Fossil Fuel/Nuclear Electrical over energy sources on our planet and their distribution to the regular citizen in the world. That means – destruction of the system of capitalism! Because of that, QFE and me, are ignored and discriminated (when it is impossible to ignore my mega-energy discovery).

General public and conventional scientists consider philosophy as an 'abstract' science, too basic to be used as theoretical tool/guide in industry and in everyday practical life (make soup, cut wood, for example). How can we use philosophical Principle of Unity and Struggle of Opposites in the construction of new, energy saving car, for example? This common opinion is not true, however, especially when we have deal with quantum material objects. As we saw above, to understand and use (in practice) efficiently the unusual quantum properties of these objects, we must know their philosophy. Sophisticated mathematics is helpless here – it creates only confusion and wrong theoretical interpretations of the observed quantum phenomena.

The 2-D quantum surface " $\alpha$ " of material objects represents one, sole, undivided in parts, unit. The interactions of this quantum material unit with the rest of the world (other individual material bodies) go through the third spatial dimension " $L$ ". This 'outside' spatial dimension starts from the quantum surface " $\alpha$ " and goes outward. And because all geometrical points (spots) on the quantum surface (2-D manifold) " $\alpha$ " are equal, undistinguished between them, the third spatial dimension " $L$ " is unique. In the world of individual things (individual material bodies, interactions, events, exchange of matter, energy, and information) this unique third spatial dimension is 'multiplied' into infinite number of geometrical (imaginable) spatial dimensions. The 'outside' material world of individual things represents three-dimensional non-quantum material object ( $x \perp y \perp z$ .) No more spatial dimensions are needed for the normal



functioning of the World of Individual Things! Mother Nature is economical – philosophical Principle of Economy limits the number of spatial dimensions to just three.

As I explained in all six books/volumes of General Quantum Mechanics, the biggest 2-D quantum material object in the universe is the universe itself. Philosophical Principle of Unity of ‘Common’ (class, integral image) and ‘Individual’ determines the existence of two faces/images of any material object in the universe. The ‘Common Face’ of our unique universe represents 2-D closed manifold which has constant (during all the time of existence of the universe) values of its parameters. The values of these parameters (total mass, total energy, total impulse, spatial dimension, total time of the cycle of its existing, etc.) cannot be changed because there exists no outside (to the universe) factor that can change them. God is an ‘inside’ factor (part of) in our universe. God is not Creator or Destroyer of the universe/world. God cannot change general composition and structure of the universe. God (the Super-Mind of the universe, not the biblical false God) cannot change natural laws in the universe. God’s powers are limited.

On Figure 13 is shown theoretical model (sphere) of the ‘common’ 2-D face of our universe.



Fig. 13

All individual material objects in the universe are located permanently on this quantum 2-D surface (universe-manifold). Can we see this universal 2-D quantum material surface? No, we can't, is the right answer. Because, we, individual human beings –observers, belong to the universe of individual things (‘Individual Face’ of the universe), and our senses of perception can detect only individual things! This unique 2-D quantum material surface is multiplied into infinite number of 2-D surfaces-twins in our 3-D universe of ‘individual things’. Every material

object is permanently 'riding' (it is clued to this surface) this universal quantum surface (space-material continuum). We cannot - in principle - see it, smell it, touch it, hear it, or taste it. But if we cannot in principle observe (or measure, or feel) something, this 'something' simply doesn't exist! In fact, this claim is not quite true: we feel all the time the presence of this mysterious universal surface (space-material continuum) on our bodies, and we can detect it and measure its strength with the help of scientific tools available to us. Gravitation is one of those invisible links that connect us with this omnipresent universal surface. The universal surface " $\alpha$ " is heated at  $2.73\text{ }^{\circ}\text{K}$ , and this quantum temperature is constant for the whole cycle of existing of our universe (4.4 billion years). We observe/measure this temperature. As every heated body, this universal surface radiates constantly photons. This random (in all directions) weak radiation is discovered by radio-astronomers and is named "background radiation of the universe," or, "relict radiation" (residue from the time of the Big Bang explosion). See Figure 14.

Big Bang never happened! "Background radiation" is another link that connects us to the 2-D universe-manifold. Our unique universe, and Life in it, were never created, and never will be destroyed! Please, see my General Quantum Mechanics for more information.

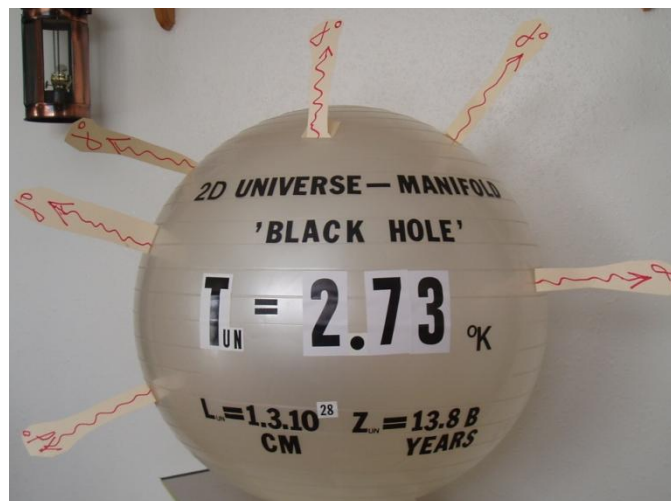


Fig. 14

As was mentioned above in this article, every material body with mass in rest deforms the elastic 2-D universe-manifold. Natural reaction of the universe-manifold is *gravity!* See Figure 15.

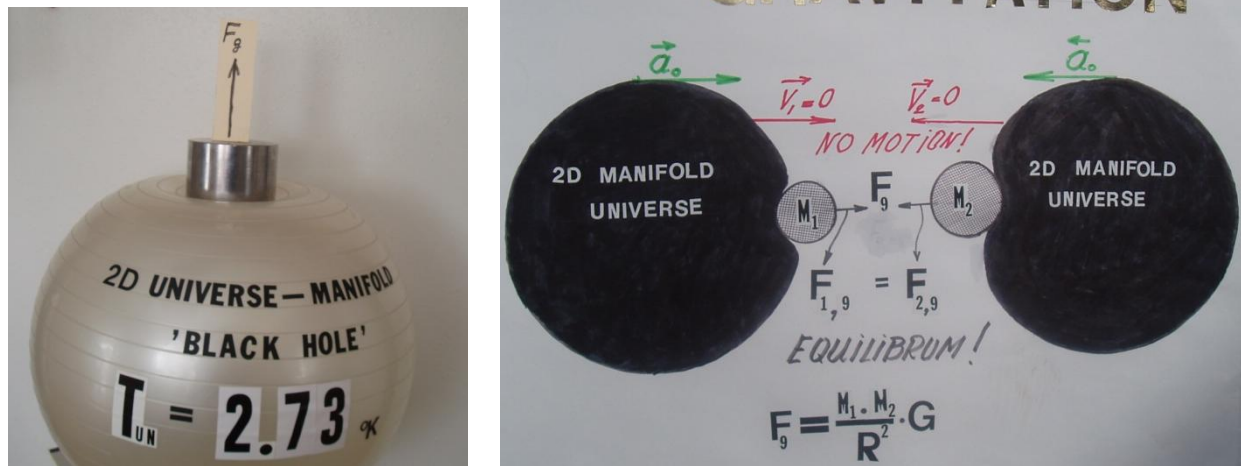


Fig. 15

Universal quantum 2-D surface (manifold) is like mirror: In this mirror we see ONLY the world located outside (to the observer) this surface. We don't see what is located behind this surface because nothing exists behind this surface. This universal quantum 2-D surface is the beginning/end of the real world. We cannot see also the surface itself. With our 'individual eyes' we can see only the real world of individual things. "Background" photons are the only thing that is coming from this universe surface. When observing ball lightning we see bright nucleus (color of this nucleus depends on its temperature): just photons radiated by its hot surface, not the physical boundary itself. In my experiments on ANGEL the color of this 2-D nucleus is bright white/blue sky. That means that the ball lightning nucleus is heated to thousands °K!

As was mentioned in the books of GQM, in the two-face material world there exist two kinds of interactions between material objects (exchange of material substance, energy, impulse, information, and other kind of spiritual exchange): interactions between individual bodies, and interactions between individual bodies and the 'Class' (common, integral, quantum object). Conventional science knows only the first kind of interactions – between individual bodies. The speed of these interactions is limited by the max speed in the universe – the speed of light. The outcomes of these interactions are predictable; they can be estimated/calculated on the basis of known physical laws. Einstein's Principle of Separation claims that two material objects, which are located far enough from each other, cannot interact between them (exchange material substance or information) – they are totally separated in the space and time. Fine experiments with elementary particles, however, show that there exists spontaneous correlation (exchange of information) between two elementary particles no matter how far are they located each from other at the moment of experiment/observation. All individual material

objects in the universe (animate and inanimate) belong to some quantum classes (units) – and this happens for all structural levels of the universe. Solar system, for example, is composed by individual objects (sun, planets, asteroids, comets, ... , small bodies) – this is its ‘individual Image’. These individual objects interact between them (gravity interaction, exchange of material substance or energy, radiation) in ‘normal’ non-quantum way – observing all physical laws including the limitation of speed of light. According to this scheme the sun can heat the earth only by radiation (mostly light) coming from this very hot central body (in the Solar System). It’s the half truth, however. As part of the quantum image of solar system (the ‘Class’), our planet can receive a lot of energy (from this system) in quantum way (not limited by the speed of light and not carried by some material particles: photons or atomic nuclei – solar wind). In the periods of strong solar activity our planet could be disturbed very badly due to quantum transfer of energy (heat) and other kind of activity to its core. In the common (integral) quantum image of the solar system our planet is not a part-element of this quantum unit, our planet is the quantum unit itself!

There exist quantum 2-D material units on all structural levels in the universe – for both inanimate and animate matter. On the quantum 2-D surface on the unit all individual objects (second face of the unit) are, in fact, located in all geometrical spots on this surface at the same time. On this surface individual material objects are undistinguished each from other.

Human Society (our Human Civilization) represents such animate/social quantum unit. Individual representatives of this quantum unit (Individual human beings) are in perpetual quantum contact with the unit, and, of course, in perpetual quantum contact with each other. This quantum contact/correlation determines stability of the Human Kind as a whole, and stability of individual human beings. Like all quantum material units, Human Kind occupies some 2-D quantum surface (manifold). For Human Kind this quantum area is located on the surface of our planet. (See GQM, volumes V, VI). In the boundaries of this quantum area individual human beings are protected by the stabilizing quantum forces of this unit: newborn human beings are always human beings with characteristics typical for the species ‘Human Being’, evolution (human body and soul) of every individual human being follows the same patterns as for all other human beings, the quantum system ‘heals’ (in a quantum way) some negative (undesirable) changes in the body and in the soul of individuals, etc. The ‘Class Human Being’ makes our body and soul to evaluate in definite patterns typical for the species ‘Human Being’. We cannot change the evolution of human body and soul, we cannot prolong the average age of human beings. It’s forever!

When out of this area, human beings are no more protected by stabilizing quantum forces of this area: in their bodies and souls start uncontrolled fast processes of destruction (remember entropy) that finally results in premature death of those outsiders. Life, human life

in particular, cannot exist for long time out of the quantum area of existing of Life: surface of the planet Earth! Life (in the whole universe) exists only on the planet Earth! Life on Earth is Unique! It is impossible in principle to spread the Life out of our small planet! Cosmic flights to other bodies in the solar system (to Mars, for example) with astronauts on board, are a crime against Humanity: astronauts will die soon after beginning of the flight.

Quantum face of the universe (quantum unit) represents closed 2-D manifold with spatial dimension  $R = 1.31 \times 10^{28}$  cm. All individual material bodies (with mass in rest) in the universe are located permanently on this surface. All individual bodies (with mass in rest) are clued forever to this Universal 2-D surface. There is no motion (wandering) of these individual bodies around this 2-D quantum surface, because there are no distinguished (each from another) points/spots on this quantum surface! All experiments to discover such motion are unsuccessful. See Figure 16.

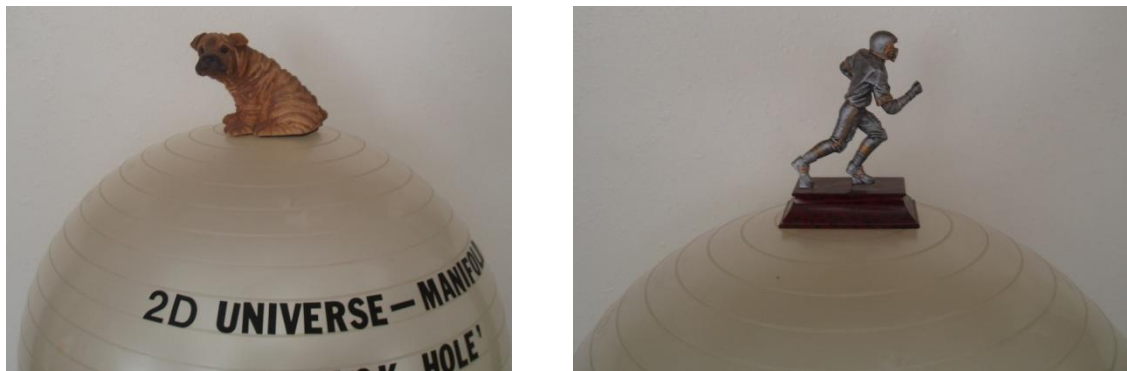


Fig. 16

Material particles without mass in rest (photons and neutrinos) are moving with the speed of light (max quantum speed in the universe) on this unique 2-D universe – manifold. The same happens in the 3-D universe-manifold. In any system of reference in the universe of individual things (the second 3-D image of the universe) mass-less particles (photons and neutrinos) are moving at constant speed – the speed of light. Local disturbance on the 2-D surface of the universe-manifold (caused by some gravity attractor) makes the path of photons longer (bending of this path). See Figure 17.

Material bodies with mass in rest are ‘clued’ permanently to the 2-D surface of the universe-manifold. However, there exists no ‘absolute rest in the universe’, because there exist minimum quantum speed  $V_{\min}$  and minimum quantum acceleration  $a_0$  in our universe (See GQM, volumes IV and V). It is possible, however, that Mother Nature uses the quantum velocity  $U_q$  ( $U_q = e^2/h = 3.5 \times 10^7$  cm/sec) in her construction of the universe. Hence, there could exist some ‘shift’ (Z) between the system of reference connected with material substance with mass

in rest and the system of reference connected with 2-D universe-manifold. Such shift is observed:  $Z = 1,000$ .

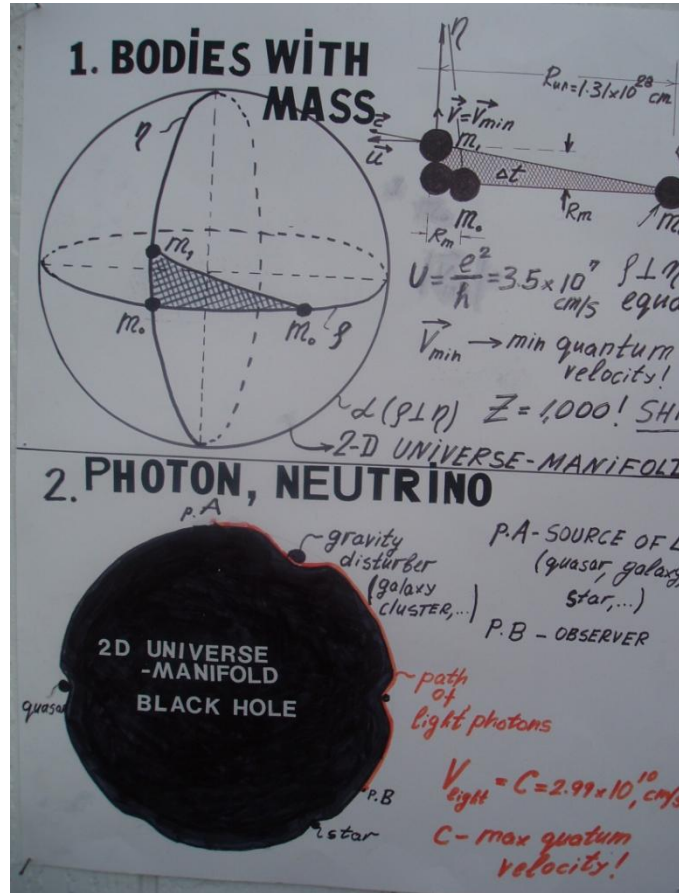


Fig. 17

All material bodies in the universe are in permanent quantum (instantaneous) contact/correlation each with other. In the quantum unit (the common face) of the universe all individual material bodies are undistinguished each from other – it is like that all individual bodies melted and formed material continuum. In fact, the quantum face (unit) of the universe represents 2-D material continuum – this continuum is the space of the universe of individual things! Space is not just geometrical receptacle of individual bodies in the universe, space is a material continuum (the first – common class - image of the universe! Material bodies with gravity mass are deforming the space-material continuum.

Like for all elastic bodies, natural reaction of deformed material continuum/space is repulsion of deforming body in order to restore its initial undisturbed state. This reaction is the

reason of the phenomenon “gravitation”! The heavier are the bodies – the bigger is the value of the elastic repulsion (stronger gravity force), and the deeper is the pit of deformation of the space –material continuum. See Figure 15 (posted above in this article).

Two material bodies with gravity mass  $m_1$  and  $m_2$  ( $M_L$  and  $M_R$  on Figure 15,b) attract each other because both of them are repulsed to ‘outside’ by deformed (by them) space-material continuum. Both forces of gravity attraction must be equal in value, they must neutralize each other. If there is some little discrepancy in their values, that means that the space-material continuum can move by contrast of its own system of reference. Moving to where, in which direction, out of the zone occupied by itself? There is no room for moving of the ‘space –material continuum’: it represents quantum 2-D (in the space) unit that occupy the whole its 2-D volume, there exists nothing outside this volume! Can your human body (a quantum bio-unit) move in the volume occupied by it (in the boundaries limited by its skin)? Not, of course not. The space-material continuum is in absolute rest in its absolute system of reference! By definition, the philosophical category “World” (or Universe) means “Unique, Everything Existing, Everything that can be detected in principle by our material bio-senses (sight, hearing, smell, taste, and touch) and by our consciousness (soul). Out of the World, beyond its quantum boundaries (the 2-D space-material continuum), there exists nothing real! Absolutely Nothing!

How about God – the Super-Mind of the World/Universe? As I explained the nature of God in my books and articles (posted in my web-site), God is not a material substance (inanimate or animate), God is not a human spirit (human soul) either. God is something qualitatively different from our human consciousness (soul), God is the highest level in the evolution of Reality (see GQM). God’s possibilities of perceiving and influencing the things in the World-Universe are much-much more efficient than our human possibilities. Can we perceive (or feel) God with the help of our material bio-senses and human consciousness (soul)? No, we can’t observe God directly with our inferior (to God’s) senses of perception. However, we can feel the presence of God in ourselves! Like we feel the presence of 2-D universe-manifold thanks to gravitation. The real, Unique God of the World has nothing to do with invented Biblical God of Jews/Christians. God is Real, religions are wrong! So, maybe, it is more correct to give the following definition of our Unique World: “Everything that can be detected in principle by God”! It is possible that we – individual human beings – cannot perceive in principle the higher levels of Reality. In contrast: objects that belong to the higher (than human soul) levels of Reality (God including) can perceive and influence the objects belonging to the lower levels of Reality. We – individual human beings - are continuously influenced and controlled by those higher levels of Reality. God is located on the very top of the pyramid of Reality! See GQM books.

Our universe is built up by matter only. Because our universe is a quantum unit (one, unique)! 'Anti-matter' bodies can be created only in collisions between high energy (accelerated to speeds close to the speed of light) elementary particles. These rare little guests from outer world (located behind the surface of mirror separating the World from Anti-World) deform the quantum 2-D surface of our universe in opposite direction. Because of this opposite deformation of the material space-continuum, 'anti-matter' bodies are attracted back by this surface in order to restore its initial non-deformed state. Gravity force between body built up by normal matter and body built up by anti-matter is force of repulsion!

Now, I hope, you understand what is common between ball lightning and the 'inanimate universe'. When I'm watching the ball lightning nucleus, I'm watching the beginning, or the end, of the World! I don't see exactly the boundaries of the World; what I see is their imprint (mark) in our World. Ball lightning, like its mega-counterpart the universe - has some constant quantum temperature of its material 2-D body. This temperature for 'normal' ball lightning that appears in nature (in the air for atmospheric pressure), or are created artificially by people (me, for example), is pretty high: thousands of degrees centigrade. When in touch with material substance (air, for example) the very hot ball lightning nucleus heats up considerably the air in the zone of contact. We see shining halo (regular plasma) around the 2-D ball lightning hot nucleus and we think that we see the ball lightning itself. The ball lightning 2-D nucleus is not visible for us because it represents boundary between our real material world/universe and the *Nothingness!* However, we see the 'photon' image of this very hot quantum object - as very bright ('white-blue sky' color) compact nucleus with sharp line of demarcation separating this nucleus from the surrounding halo-plasma. Or, imagine for a moment spherical mirror heated to a very high temperature. What you'll see in this mirror? Obviously the surface of the mirror is not visible for you - the real world starts from this mirror-surface and goes 'outward' (to 'outside'). The hot (thousands of °C) surface of the mirror will generate flow of visible photons - you observe them as very bright spherical compact body-nucleus. You see also not so bright halo - plasma surrounding this very bright compact nucleus. That is the ball lightning as perceived by our eyes. Again: ball lightning is not plasma!

Ball lightning can move close to a paper sheet (or wallpaper) and the paper doesn't burn; ball lightning can pass at short distance from you and you have no feeling of heat; ball lightning doesn't produce water steam around itself in rainy day, etc. Why? It happens because ball lightning's very hot nucleus is surrounded by very strong negatively charged electrical thermo-isolating shield. See Figure 18.



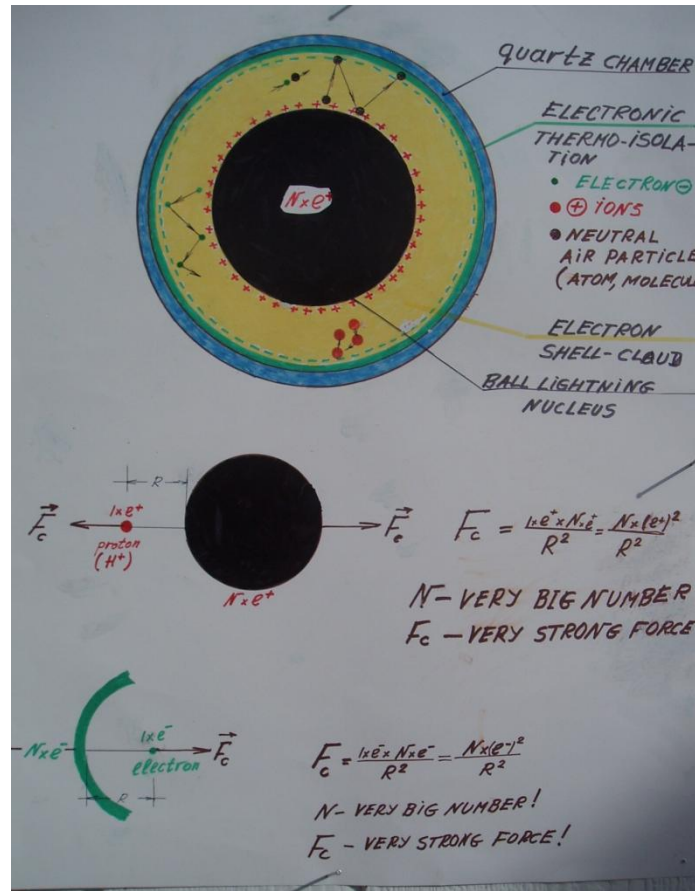


Fig. 18

Ball lightning represents giant macro-atom. Quantum electrons (like onion shells) are located at some distance from the ball lightning nucleus. This distance (radius of the quantum orbit), the number of quantum electrons on every quantum orbit, and energy of quantum electrons are determined by the Pauli's Exclusive Principle (see my book "Ball lightning – the Great Hope and the Great Fear" posted in my web-site). The number of quantum electrons increases in geometrical progression outward of the ball lightning nucleus. Density of quantum electrons, and by consequence – density (or strength) of negative electrical charges is highest for the outside quantum orbits. The thickness of ball lightning electron cloud can be calculated. For small ball lightning (existing in air at normal pressure – 1 atm) this thickness is about 5-7 mm. Observation of artificially created ball lightning proves this calculated thickness. The zone of ball lightning electron cloud is occupied/populated by different particles which are not part of the ball lightning composition: free electrons, free positively charged ions, air-atoms. Because of very high temperature of the ball lightning nucleus (thousands of oC) this zone is occupied mostly by fully ionized plasma. In such environment free electrons are the most

efficient carriers of energy (heat). Much heavier ions are not good carriers of energy – they are too slow and cover small distances in this zone. Free electrons constantly hit the very hot surface of ball lightning (positively charged) nucleus and take free energy from it. Then, the very heated (fast) electrons are reflected back to the zone of ball lightning electron cloud. If there will be no obstacle on their road to ‘outside’, these very energetic electrons could carry massive amounts of energy/power to the surrounding media. This massive transfer of energy, unfortunately, doesn’t happen! Because fast (energetic) electrons are rejected back by the very strong negative electrical shield that surrounds the ball lightning nucleus. I call this phenomenon – ‘electron thermo-isolation’.

I stop here. I gave to you a lot of free tips! I’m not sure that people on this planet deserve such gift from me. Do you care about me? Fact: no one American gave me donation for my QFE project! Selfish nation! All donations came from Europe!

Beside small macro- ball lightning, in the universe there exist large cosmic bodies-ball lightning: neutron stars, galaxy nuclei, quasars. See Figure 19.

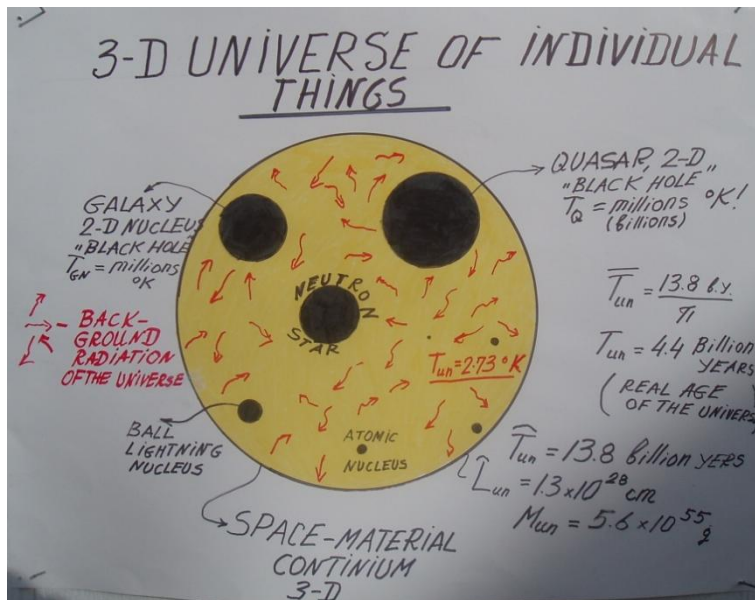


Fig. 19

Especially interesting are neutron stars and quasars. On Figures 20, 21 are presented models of neutron star – giant atom. No comments.

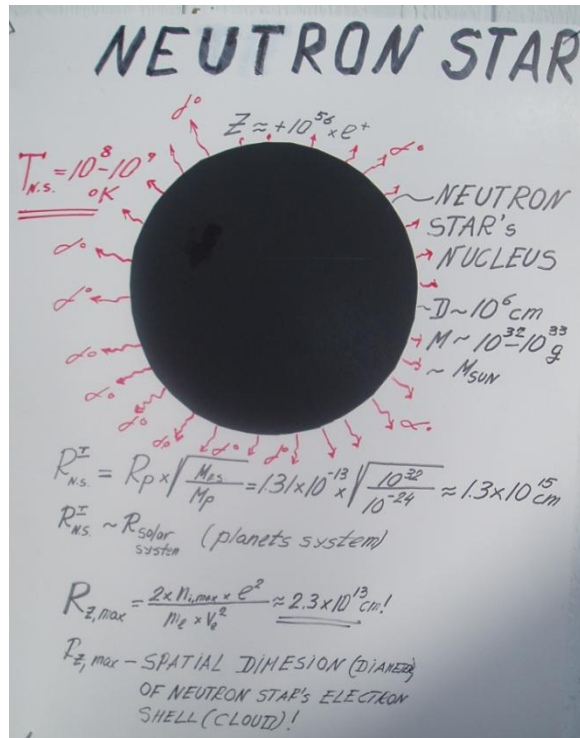


Fig. 20

Neutron Star System (Giant Atom)

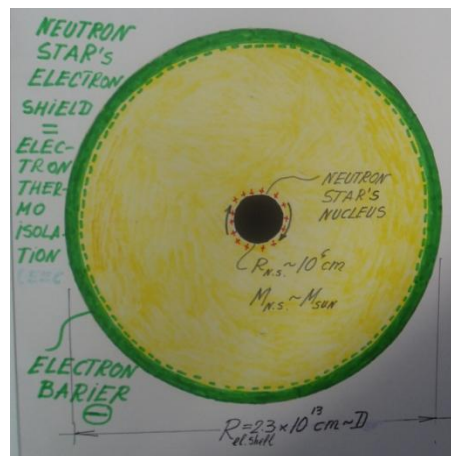


Fig. 21

**Epilogue**

I never met (during my long stay in the USA – 22 years) American investor who was willing to share with me honestly partnership on QFE business. All proposals for investment

were false proposals - just free espionage! My experimental QFE generator ANGELINA- V was stolen by Chicago based false investors-spies absolutely for free. This generator costs me about \$60,000 USD (money taken from the very modest budget of my family; money – sacrificed by my poor family for the benefit of all people in the world). All my attempts to get back this generator were unsuccessful. Where is this generator now? I guess in Israel. My QFE generators ANGELINA VI and all ANLAUTRONS are arrested in Canada. Canadian Dirty Oil Industry is afraid to loose its huge oil business because of drastic change of the current energy status quo: fossil fuel to QFE. The list of my false North-American candidate-investors/spies is long. My labs were visited by spies from foreign countries too: from Israel, Russia, Germany, Italy, China, Singapore, and other countries. All they want free espionage in exchange of promise of ‘abundant’ investment which never happens! I got proposals (mostly in the USA) for ‘free independent verification’ of my experimental QFE generators. “Free independent verification’ means ‘free espionage’! ‘Concerned’ about energy future (of the USA) individuals, business people, and non-profit energy organizations, say that they just want to measure the over-unity on my experimental QFE generator ANGEL I; they say that they are not interested in QFE technology and construction of my QFE generators. That’s a lie! When I allow them to test my experimental QFE equipment, they take pictures, they want to show and explain to them everything about QFE theory and technology, about construction of QFE my generators, because they must ‘make reliable’ estimation of my discovery and experimental equipment. Recently I was convinced by friend of mine (famous SLC political leader) that ‘independent’ experts from Utah utility company *Rocky Mountain Power* want to make ‘independent’ tests on my QFE generator ANGEL I. I allowed them to see how ANGEL I works, I gave them some basic information about QFE technology and construction of ANGEL I, they took pictures of ANGEL I and some posters, etc. They made good espionage. For free! On the third meeting in my lab I told them to go home because it became clear for me that they want ONLY free information (espionage) about QFE. My company is registered in Sandy, Utah. If Utah people help me to start business here, Utah will become Industrial Eldorado in the USA and in the world. However, they (local business and political leaders) are not stupid people, problems of their unorthodox religion are much more important for them than technological/industrial progress and welfare of this state.

Where this free information (espionage) could go? Most likely to some big energy corporation, or to some national lab, or to C.I.A., or to Mossad,..., or they will freeze this exclusive energy technology for longtime.

Salt Lake City, Utah, March 13,2012.

Dr Kiril Chukanov