01-ENTRANCE:

Background Science

It has to be admitted that our knowledge of Earth- the living globe- is so poor that Man of the 21st century is totally ignorant of what is there beyond a depth of some 15km in to the body of Earth.

The maximum drilled depth as ever recorded doesn't exceed 13 km (USSR Kola Super Deep Project' 12.26km/1970-1993) and any interior model of the Globe to describe beyond that depth should be a conceptual model. The Kola project is said to be abandoned due to melting condition of drill bits by highly increasing heat.

Either electromagnetic seismic waves or earthquake& explosion based medium waves could not penetrate beyond the outer mantel in high viscos liquid phase. That is obviously because, any medium wave of high frequency could not be originated or transmitted in a **viscos liquid medium** of poor **elastic modulus**.

As such, how do we accept any model of inner Earth structure, to explain the depths beyond 15km?

But what is there in the acceptance?

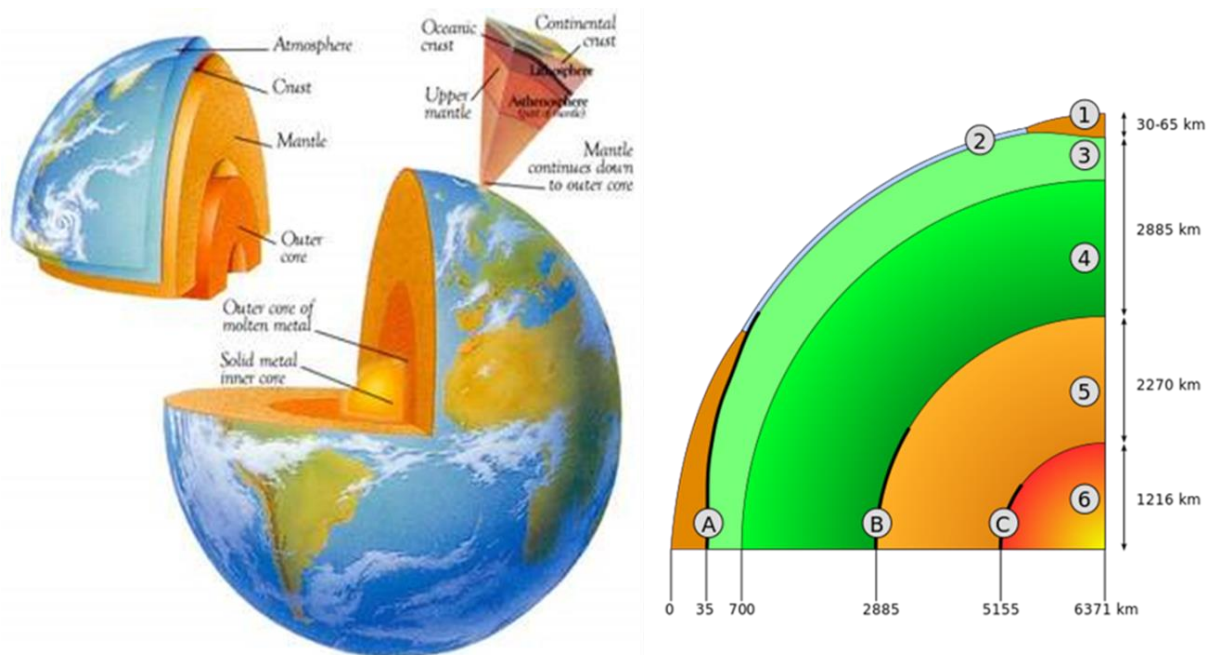Denser inner layers at deeper depths are defined in the accepted Geological Earth Model.

FIGURE-01

1. continental crust – 2. oceanic crust – 3. upper mantle – 4. lower mantle – 5. outer core – 6. inner core – A: Mohorovičić discontinuity – B: Gutenberg Discontinuity – C: Lehmann–Bullen discontinuity.

	Thickness (km)	Density(g/cm3)
Lower mantle	2,171	
Outer core	2,259	9.9
Inner core	1,221	12.8

What is Contradictory?

The above definition of inner layers of Earth has no basis other than the concept of **deeper sunken denser materials**.   According to this conventional theory, pure gold must be packed there in the inner core but in reality, we don't find any harder rocky substance denser than 3.7g/cm3 either in Earth or in a piece of meteorites at least, from the space.

It is obvious that the **thickness** and **densities** of inner layers in this Geological Earth Model, are pure imaginations to match with Sir **Isaac Newton**'s great finding of **Gravitational Mass (5.983 x 10^{27}g) of** Earth.

02. OBJECTIVE OF THE TECHNICAL MONOGRAPH:

  I. Challenging the faulty theorizations in the so far acceptance
  II. Introduction of the '**Theory of Hollow Globes**'
  III. Deduction upon Earth's **Spinning Dynamics, Growth in mass& size** upon the basis of Hollow Globe
  IV. Ring of Fire indicator for global weather forecasting.

2.1 CHALLENGE AGAINST FAULTY THEORIZATIONS

2.11 PRINCIPLE OF DEEPER SUNKEN DENSER MATERIALS?

Above principle is workable at the surface of Earth, if you mix different materials in a solution in the laboratory to settle under gravity. Simply then the deeper sunken is the denser with no arguments. But super deep Kola project has already proven that above simple theory is not applicable inside of Earth and even the lightest material, Hydrogen, was bubbling out at an unbelievable depth of some 12.26 km in Earth.

Simply less denser lava (about 2.6 g/cm^3)is formed at far below the ground and compressed out from volcano while more denser materials such as, quarts(2.8g/cm3), marble (2.8g/cm3), basalt(3g/cm3), hematite(3.5g/cm3) etc. are available at shallow depths. Besides that volcano gassy emissions contain water vapor in a bigger composition.

Therefore the 'Deeper sunken denser materials' theory could no more be applicable in analysis of inner texture of Earth and Scientists have to accept that, interior structure of 'Electromagnetically Spinning Globes' is different in formation and functioning.

2.12 FREE FALL GRAVITATION TOWARDS THE CENTER OF EARTH

What is there in the syllabus?

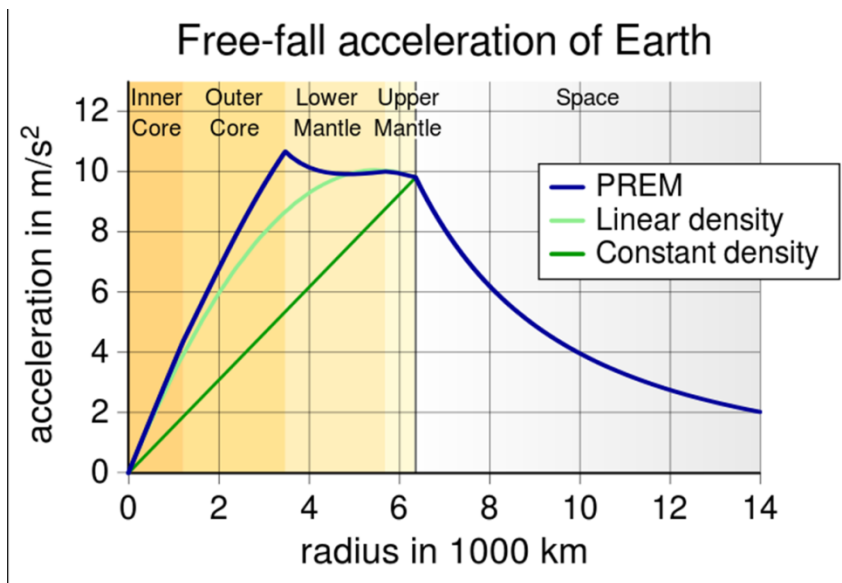## Free-fall acceleration of Earth

FIGURE-2 (with gratitude to Wikipedia knowledge base)

Above analysis of free fall gravity in Earth is obviously based on the hypothesis that material density must be increased towards the center. Nobody has ever drilled beyond some 14km in to Earth and therein we have to accept that, theorizations are formed upon conceptual models without any firm practical basis.
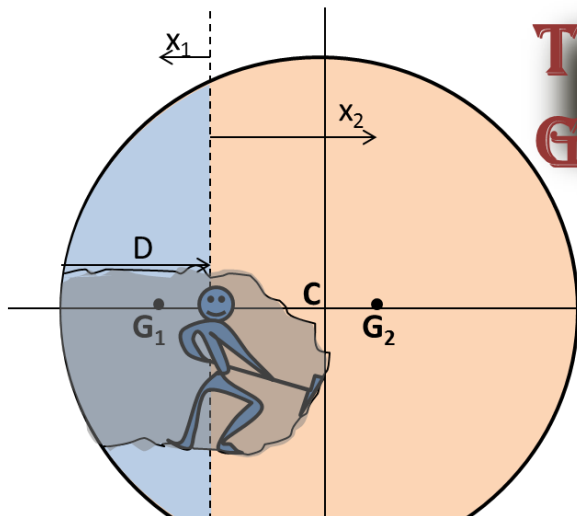
What is the Alternative?

As shown in the figure-03, suppose a man is digging a hole in to the body of Earth. At a depth 'D' a big portion of earth mass is pulling him back towards 'G_1' the center of gravity which is closer behind him than the distant center of Earth 'G_2'.

At the same time the center of gravity of the globe 'G_2' has gradually shifted relatively away from him.

A Physical Science student would understand by now, there is a position at which the digging man must feel zero gravity at a certain depth, because, the pull by the mass in front (G_2) and the pull by the mass behind (G_1) are same in magnitude and opposite in directions. If he proceeds digging further, passing that zero gravity zone, he should experience inverted gravity to pull him back.

Gravity is directly reversed from this special 'Transition Shell' and it is named herein as '**Gravity Transition Base-(GTB)**'. (It is left for mathematicians to work out the depth of the GTB in Earth).

THEORY OF HOLLOW GLOBE

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Data:
1. Mass of Earth=M
2. Radius of Earth=R
3. Depth of the cut=D
4. Mass of the digging man =m
5. Mass at the back= M_1
6. Mass in front=M_2
7. Acceleration of gravity by the earth mass in back= g_1 m/s²
8. Acceleration of gravity by the earth mass in back= g_2 m/s₂
9. Distance to G_1= x_1
10. Distance to G_2= x_2

Theory:
At the GTB, Pull of gravity from G_2 = pull back by inverted gravity from G_1

$mg_2=mg_1$

$g_2= g_1$

$K(M_2/X_2^2)= k(M_1/x_1^2)$

Then it is a mathematical exercise to find the depth 'D' at which the gravity is inverted. (But that calculation too could not be the reality because we have made a wrong assumption that Earth is of uniform density)

Assumption:
A solid Earth of uniform density is assumed for simplicity of this mathematical analysis

Conclusion:
Free fall gravity at the crust is gradually dropped to zero and then inverted at an inner shell to be named as "Gravity Transition Base (GTB)" and again it reaches to zero towards the very center of the Globe. If inner materials are in melted fluidic form a definite Hollow Globe should be formed by compressing of materials from either sides towards the Gravity Transition Base.

FIGURE-03(the driller's experience of Gravity)

2.12 SEISMOLOGY AND THE EARTH MODEL

In against of the alternative theory of 'Inverted Gravity' in Earth, Seismology assures the same Geological Model of Earth by Richter meter analysis of seismic wave behavior.

The figure-04 exhibits how seismic waves behave in Earth clarifying of the inner structure. The analysis stands upon the practical study basis of **time**, **magnitude** and **distance** of seismic wave signals receiving at the world widely spread massive network of **Richter** meter seismographic stations.

Seismology defines several wave types to transmit energy of an explosion or an earthquake but the two types such as Primary waves (P) and secondary waves (S) are prominent among them. As per seismographic records, P-waves travel far but emerge only at different distances to prove that there are layers of different material properties in Earth to divert the waves back at different time gaps.
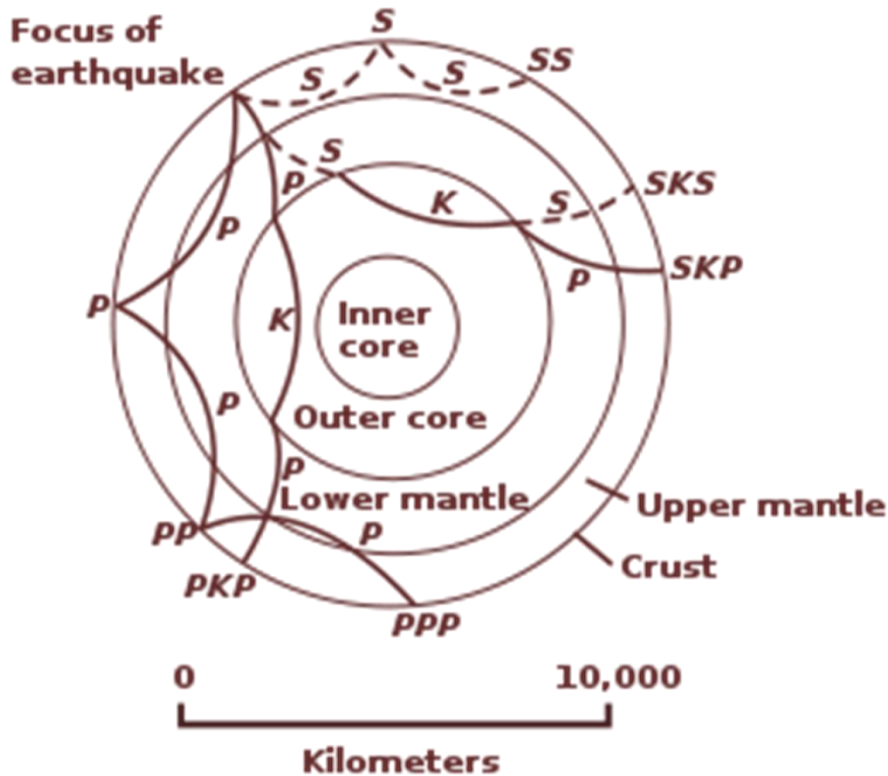
FIGURE-04 (with gratitude to Wikipedia knowledge base)

What is there in against of the Seismographic Model of Earth?

- Apparently neither 'S' nor 'P' wave has penetrated even near to the inner core of Earth. Then how could Seismologists assure the dimension of the inner core of Earth as 1200km?

- Refraction and reflection are the natural phenomena by which the path of any wave could be determined. But as it appears in the picture, all the waves are reflected back in to the Earth at the surface level of the ground and how? What is there at the surface to reflect back a seismic medium wave of so mighty strength?.. What is the physics behind?

- Waves are not reflected at the boundary surface of different inner layers but instead penetrate passing the boundary and then gradually turns back? How do seismologists assure exact depth of a boundary? Also Physics behind this wave diversion is contradictory. Is that reflection or Refraction?

- If the phenomenon behind is **Refraction**, then a student of Physical Science would assure that Density of the medium should be **decreasing** downwards in to Earth. But Seismologists assure the conventional Geological Earth Model of **increasing density**. Isn't that contradictory?

2.13 What is new there to think?

- **What is a Seismic Wave:**

Electromagnetic waves generated instrumentally are transmitted through soil medium to investigate the depth to bedrock, mines of different materials, ground water aquifers etc. as a modern practice. They are AM or FM waves which penetrate through porous soil medium and **reflect** back at any hard surface of discontinuation. Scientists must comprehend that those electromagnetic waves are as same as the Radio or TV waves of high frequency and they don't vibrate the soil medium at all and they are not even worth to be considered as seismic waves.

But earthquake or explosion based Seismic Medium Waves are quite different because they make the soil or rocky medium vibrate violently by a mighty strength in transmission. They are categorized as Primary waves 'P' and Secondary waves 'S' as per the difference of their behavior. P-wave is a frequency modulated wave which makes the medium matter oscillate in the same direction of the wave propagation while S-wave make the medium oscillate in the perpendicular direction of the wave propagation. Richter meter records the land oscillation and represents as a logarithmic magnitude of the amplitude as a good measure of size of the passing wave.

Seismic Medium Waves of mighty strength cannot be reflected unless there is a very harder and denser layer to obstruct the path of wave transmission. There is no such layer beneath in the ground of Earth and P-waves easily penetrate even in to any hard rocky base. Therefore it is not reflection as Seismologists have mistaken but **Refraction** is the **phenomenon** which defines the path of a seismic medium wave.
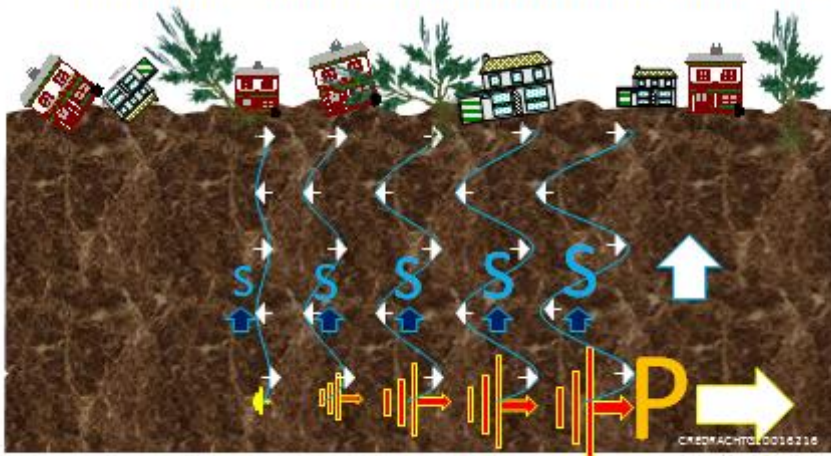

FIGURE-06(Character deference between P-waves and S-waves)

Also Scientists should comprehend that S-waves could never be originated due to earthquake or any nuclear explosion directly. Only **P-waves** are generated at first and while

they are spreading outwards from the explosion, the medium is vibrated violently. The medium oscillation is spread in the perpendicular direction to P-wave propagation too and that medium commotion is recognized as **S-waves** of amplitude modulation. Therefore Scientists cannot address S-waves along at any seismographic station, without reference to the P-wave of mighty strength which is passing beneath.

FIGURE-07-(Thailand disaster/2016)

*Structural Engineers must apply alternative mitigation measures to minimize this type of a disaster by address of the **Force of Seismic Impulse** (pl ref "Theory of Seismic Impulse" pdf/2016)*

- **Medium Properties to decide the Seismic Wave Refraction:**

  It is not only **Density** but the three main medium properties such as furnished bellow are responsible for refraction of P-waves. (S-wave behavior is not necessary to address separately because it is only the lateral spreading of the same vibration made by the P-wave)

  1. **Density** of the medium
  2. **Pressure** of the medium
  3. **Elasticity** of the medium

Students of Physical Science can easily demonstrate how seismic wave turns towards the medium of which above qualities are rich. In this experiment they can observe how a longitudinal wave speed is varied through an integrated profile of water, soil and rock materials.

For simplicity of understanding, suppose your car happens to apply breaks off the road when one front wheel is on the road and the other front wheel is on the muddy strip of road shoulder. What will happen to your car then? Wheel upon the mud will slip and the car shall turn towards the rigid road.

P-wave also behaves very similar to that example and the frontal wave stroke pushes the medium mass. Whence the weak medium is easily pushed then the dynamic seismic wave organization turns automatically towards the tougher medium of which the three aforesaid properties are rich.
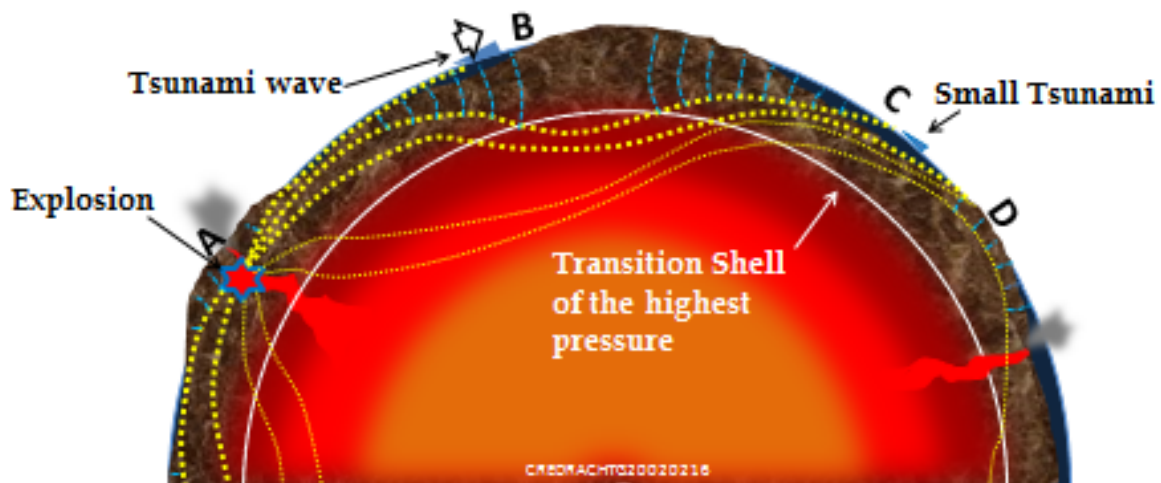
- **The Alternative Earth Model:**
  The realistic interpretation of seismic medium wave propagation, therefore exhibits a different **Earth Mode** of which the properties such as; Density, Pressure & Elasticity being **dropped** towards the center starting from very special shell, Gravity Transition Base(GTB) at a shallow depth. Gravity plays a wonderful role there being inverted at this transition depth.

2.2 INTRODUCTION OF THE 'THEORY OF HOLLOW GLOBES'

THEORY OF HOLLOW GLOBE:

Since 'Gravity' is inverted from the 'Transition Base' of highest 'Pressure', at a shallow depth in Earth, the inner substance too is attracted towards the transition zone, creating of a 'Hollow Globe' with zero gravity at the Center.

2.21 ALTERNATIVE EARTH MODEL BY STUDY OF SEISMIC MEDIUM WAVE BEHAVIOR:

Let's forget about what is there at the deep inner structure of Earth but pay attention on how could the P-wave diverted back at a shallow shell of very interesting qualities of transition aspects. Gravity starts falling beyond this zone to be zero at the mid of Earth.

FIGURE-08 (behavior of seismic medium waves to describe a Hollow Globe)

How Gravity behaves in the Globe?

Gravity is inverted at a certain depth forming a hollow globe. Gravity transition zone must be of the highest pressure in Earth and beyond that depth, pressure is dropped down to zero gradually towards the center. Central zone is expected to be of highest **rotary dynamics** by activation of the **'Spherical Vortex'** of charged particles which accounts for **geomagnetic field** and electromagnetic **spinning** of Earth. (pl ref "Theory of Solar Mass transplantation" pdf/2015/www.cyrilhtgamage.com)
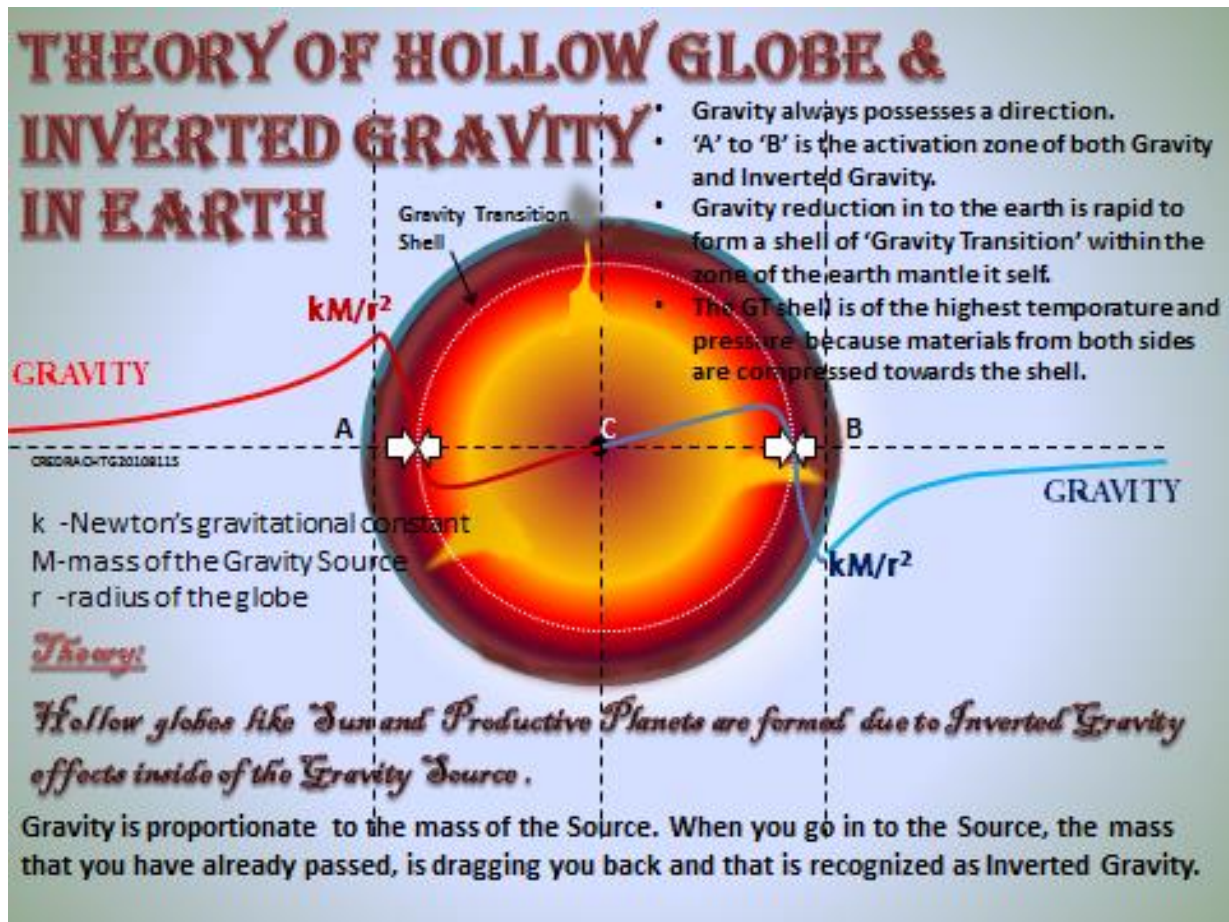

FIGURE-09(Gravity profile inside of Earth)

2.22 Deduction upon 'Material Depth' in Earth:

'Material Depth' indicates total atomic mass in solid phase, melted solid phase and magma gassy phase in Earth, which is existing at the balance of both **Gravitational Drag** and **Centrifugal Push** as well.

Let's consider a material column of height '**h**' of cross sectional area 1cm^2 which is erected in the line from center of Earth towards the equator as shown in figure-10. Also let's take radius of Earth as 'R'.

Validity of Assumptions:

a. Mean density of Earth is **5.52** g/cm^3 as everybody knows. But geologically we never found any rocky layer in Earth denser than **3.7g/cm^3** practically. Therefore let's assume the density of inner hard layer of depth 'h' is **3.7g/cm^3** for our calculations.

b. In deduction of **Gravitational Drag** towards the center of Earth, What is the gravity to be applied for the entire material column? Surface gravity at equator is known as 9.81cm/s^2 and it is decreased gradually to zero towards the center of the Globe. Therefore let us take the mean **4.9cm/s^2** as acceleration of gravity in Earth for our calculations.
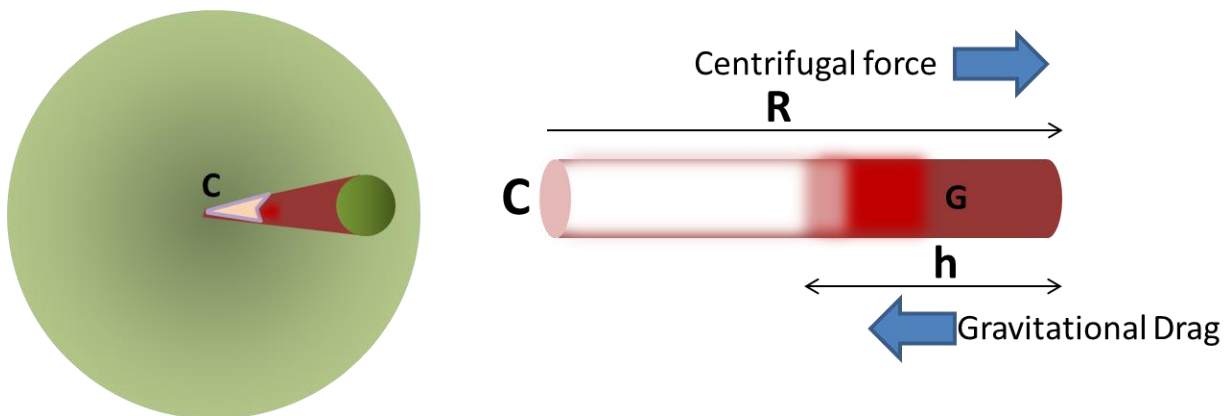

FIGURE-10 (Deduction on Material depth in Earth)

c. In consideration of Centrifugal Push, mass of the entire earth column has to calculate by taking the density as the real mean density of the Globe (**5.52** g/cm^3)

d. How do we balance the two forces Gravitational Drag and Centrifugal Push? The logic behind the balancing is not so complicated. Let's consider a tectonic plate surrounded by a crack. What are the forces acting upon the plate?

   I. Gravitational drag downwards.

   II. Centrifugal push to make the plate fly.

Similarly our earth column too is assumed to be at rest in balance of aforesaid two forces.

Deduction of Gravitational Drag:

Gravitational drag towards the center of Earth $= (\mathrm{h \, x \, 1 cm^2})\,(3.7\mathrm{g/cm^3})\,(4.9\mathrm{cm/s^2})$

$$= \underline{18.13\mathrm{h\ dynes}}$$

Distance from the Earth center to the center of gravity of the column $=(\mathrm{R}-\mathrm{h/2}\ )$

Centrifugal force due to rotation of Earth $= \text{Mass} \times (R - h/2) \times (\omega)^2$

$$= [(h \times 1 cm^2)(\text{5.52 g/cm}^3)] \times [R - h/2][7.272 \times 10^{-5} Ra/s]^2$$

$$= \underline{5.52 hx[R - h/2]5.288 \times 10^{-9} dynes}$$

For radial stability of the material column;

gravitational drag downwards = Centrifugal force due to rotation of Earth

$$18.13h = 5.52hx[R - h/2]5.288 \times 10^{-9}$$

$$18.13/5.52 = [R - h/2]5.288 \times 10^{-9}$$

$$h = 6.378 \times 10^8 cm - 6.210 \times 10^8 cm$$

$$\mathbf{h = 0.168 \times 10^8 cm}$$

$\underline{\mathbf{h = 168km}}$

DISCUSSION:

Better understanding is aimed by introduction of a thought dialog between the author and the reader.

Q: why did you assume a rocky column of density $3.7 g/cm^3$?

A: According to the so far known geological database, we don't find any rocky layer in Earth generally denser than that much. Also neither asteroids nor meteorites are found from the space, denser than $3.7 g/cm^3$ and therefore we cannot expect a unique state of magic inside of Earth.

Q: You have considered a column of earth materials just like a cigar erected from the center of Earth. And you have limited the length of the zone of denser rocky material as 'h' but on what basis?

A: I have not fixed a length and 'h' is the variable parameter in my analysis to find the real value ultimately.

Q: Why did not you take 'h' =R as the radius of Earth?

A: The liquid lava phase bellow the rocky mantel is less dense than the materials of the crust and It struck me that density must be descending in growing depths due to the rise of temperature. (It is a known fact that Geothermal Gradient in Earth is $25c^o$ per one km in depth.)

Therefore I have adapted 'h' as a variable to be finalized by other known parameters and phenomenon of inverted gravity too.

Q: What are the other known phenomena?

A: Any physicist living on this Earth accepts that, Gravity at the ground level ($9.81 cm/s^2$) is dropped down to zero gradually towards the center. Therefore the mean value of it (**$4.9 cm/s^2$**) has to be

adopted reasonably in deducing of the **gravitational drag**. In other words, it is the **weight** of the considered column. But never to forget that 'weight' is not the 'mass'.

Q: You have used the real density of Earth (**5.52 g/cm3)** in calculating the **centrifugal force**?

A: Of course, I did because there is a big difference between **weight** and **mass** of matter. Mass is not varied under any circumstances but weight could become zero under inverted gravity conditions. Therefore I have used the real mass of the earth column (by adopting **5.52 g/cm3** as the density) in calculating of the centrifugal force.

Q: On what basis that you balanced the centrifugal force to the gravitational drag? There are other forces upon your column such as lateral internal friction.

A: Yes of course, but you just look at the cracks where the tectonic plates apart. At least a single plate should fly in the sky if the centrifugal force becomes bigger. And in contrary the plates should have been more closely packed if the gravitational drag is bigger. Then we have to conclude that both forces are almost at the balance at this age.

Q: However your hollow globe doesn't fit to the real Earth in consideration of mass. Your globe is too light.

A: No it won't be too light when I fit it with the real Newtonian gravitational mass (**5.988 x 10^{27}g)** of Earth.

Q: Geologists have done it by suggesting hard solid cores in the globe and you reject them as magic. But how do you match it without playing a similar magic?

A: No. I am going to weigh the inner dynamics of Earth beyond this thin crust of 168km. There is a gigantic **Spherical Vortex of Energy Particles** in action which accounts for the geomagnetic field and electromagnetic spinning of the globe.

Q: But let's speak of materials and **mass** more realistically. What are the materials that you suggest to fill your hollow globe?

A: **Energy** is the material that I am going to fill the gap and it is of mass you know, as well explained by the great Scientist **Albert Einstein** (**E=mc^2**). Do you know how energy is stored in the Universe?

Q: As Energy Quantum?

A: No. quantum is just a conceptual measure of **quantifying of the uncertainty of the Reality**. But it is certain that Energy is stored in the Universe in '**Ultimate Dynamic State of Matter'** or in other words as **Dark Matter.**

Q: What do you mean by Ultimate dynamics?

A: At the **ultimate dynamic state**, Matter is contracted in to Dark Matter. Whenever atomic matter exceeds speed of light in motion, then it is contracted in to Dark Matter. In rotary dynamics, you

could observe it as a **black hole** or a **black ball** apparently at stationary but it is rotating exceeding the speed of light in a spherical vortex.

A: Both indicate the state of phase transformation of space matter along the **4th Dimension**. Black hole exhibits the contraction in to dark matter while a black ball exhibits expansion of dark matter to create a galaxy. In the later transformation, the dark matter globe could not be visible moreover because it is surrounded by a thick hydrogen cloud (pl ref. 'Time & The 4D Universe'/2014- www.cyrilhtgamage.com)
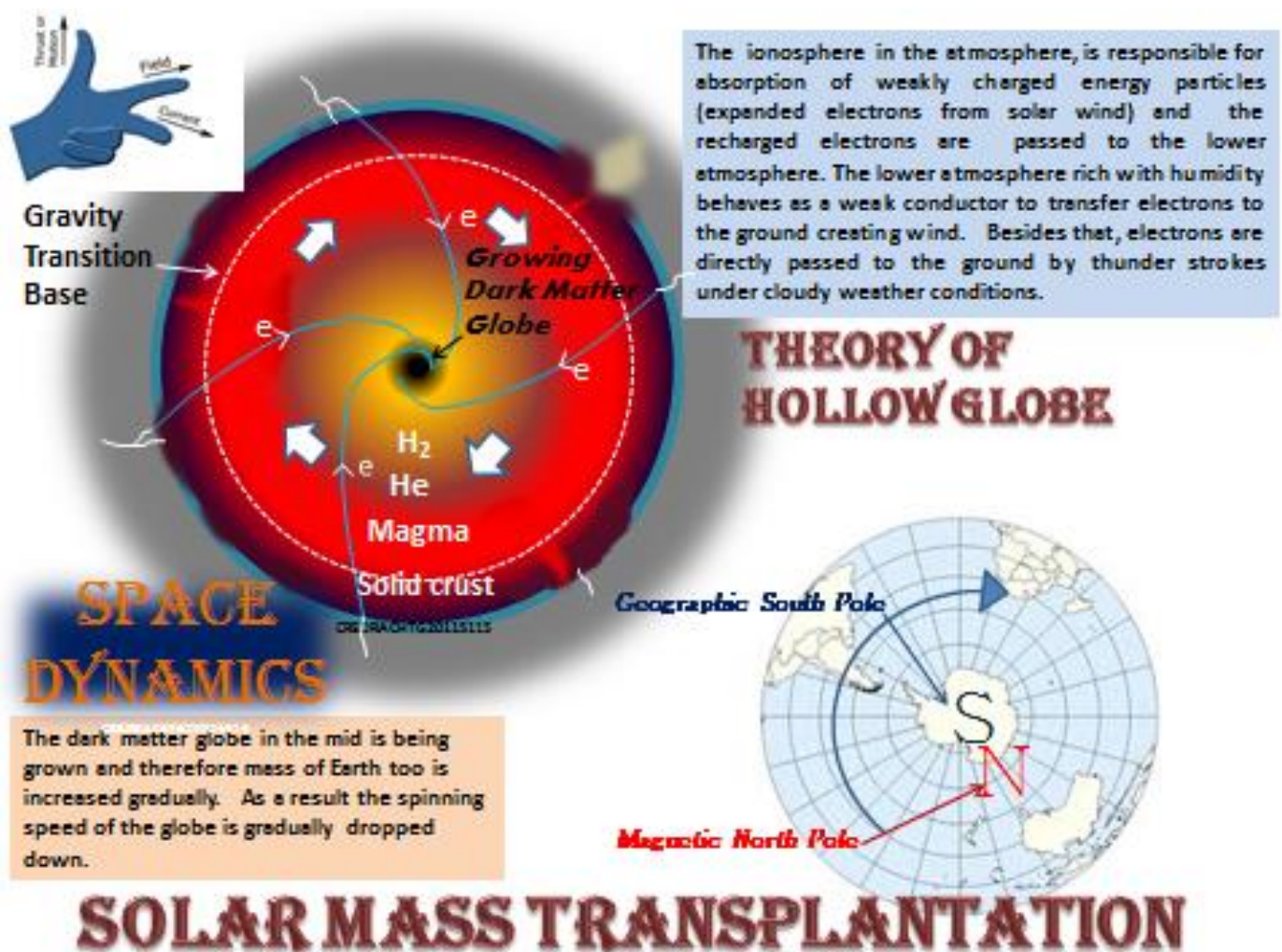

FIGURE-11(dark matter globe grown in the mid is common for all the Productive Planets)

A: World shall accept it when the related natural phenomena such as; Climate change, seismic activation of volcano & earthquakes, birth of geo magnetic field, geo electromagnetic motor for spinning, parting of tectonic plates due to growth of inner mass and the periodic **geomagnetic reversals** of the globe etc. are explained explicitly by the new '**Theory of Hollow Globe**'.

Q: It is ridiculous to hear of dark matter inside of Earth while Astronomers are searching for it among galaxies. Is there dark matter in every planet? How about inside of the Moon?

A: Dark Matter cannot exist at **stillness**. In any Productive Planet which possesses a strong magnetic field for spinning about, there is a spherical vortex of charged particles of high rotary dynamics to possess dark matter at the center. Moon is not spinning about and at the same time, it doesn't possess a strong magnetic field. Therefore there is no dark matter functioning in Moon.(pl refer 'Earth Mechanism'/Space Dynamics-V4-2011/www.worldmysteries .com)

Q: Can you tell me then what 'dark matter' is?

A: It is nothing else but **neutrons,** the ever known matter of the highest density(**0.399×10^{15})g/cm^3**

 in the Universe. It exists even in your own body.

Q: Dark matter in the human body?

A: Yes of course, your body is made up ultimately with **atoms** of different substances. Neutrons occupy there in the **nucleus** of atoms in a high dynamic spherical vortex. Electrons are orbiting the nucleus of **dark matter**. So atoms are polarized and that is why even magnetism presence in a small scale perhaps in human body.

Q: My God…., I thought so far that myself is quite stationary in this world all around me is dynamic. But now I fed like that my body is a factory with rotating wheels all here and there. And you dare say dark matter is neutrons?

A: I dare say so.

Q: Dark matter itself seems not so dark in your narrative but anyway to the topic back, what is the size of your dark matter ball inside of Earth?

A: It is also a mathematical deduction ultimately to tally with the world accepted **Newtonian Mass** of Earth(**5.983×10^{27}g**).

Description	dimensions	volume	Mean density	mass
Entire Globe (6378km)	6.378×10^8cm in radius	1.086×10^{27}cm^3	5.51 g/cm^3	**5.988×10^{27}g**
Solid Mantle(depth up to 168km)	6.378×10^8cm -6.21×10^8cm	1.086×10^{27}cm^3 -1.003×10^{27}cm^3 $=0.083 \times 10^{27}$cm^3	3.7 g/cm^3 assumed	0.307×10^{27} g
inner atmosphere comprised with mainly Hydrogen,	6.21×10^8cm	1.003×10^{27} cm^3	0.6 g/cm^3 assumed	0.602×10^{27} g

Helium & vaporized Magma			
Sub-total			0.909×10^{27} g
Dark matter globe	Diameter=D $(4/3)\pi(D/2)^3$ $=1.27 \times 10^{13}$ <u>**D= 289.4 m**</u>	=mass/density $=5.079 \times 10^{27}$ g $\div 0.399 \times 10^{15}$ g/cm^3 **$=1.27 \times 10^{13}$ cm^3**	=mass of a neutron $\div$ approx. volume $=1.675 \times 10^{-24}$ g $\div (4/3)\pi(10^{-13})^3$ **$=0.399 \times 10^{15}$ g/cm^3** density of neutron	$=5.988 \times 10^{27}$g -0.909×10^{27} g **$=5.079 \times 10^{27}$ g**

The high dynamic dark matter globe in Earth is not so big but only **289.4m** in diameter.

Q: How did you calculate density of dark matter?

A: It is so simply of the same density of a neutron of which mass is **$1.675x \times 10^{-24}$** g and radius is of the size of **10^{-13}** cm. Then density is of the size of **4×10^{14} g/cm^3**

Q: What is the function of the dark matter globe inside of Earth, as you think?

A: Production of **Mass** is the function and the dark mater globe is gradually grown by abstraction of energy matter from solar wind.

Q: How do you prove that solar wind is abstracted?

A: How many lightning strokes are received to the ground from sky per day?

(picture-with gratitude to Google web images)

Q: But you know scientists define that beams of positive charged particles are going up to compensate the negativity in clouds.

A: My dear Sir, that is not so. Any student can observe a hole or a big damage even upon a hard rocky surface, when it is struck by a lightning stroke. How could any departing particles drill a hole in a hard rock and escape?

Besides that we can observe how electron beams are projecting out from the terminal in which electron density is high towards the earth terminal in arch welding.

On the other hand, tell me Sir, what charged particle is heavier, a **Proton** or an **Electron**? A proton is **1835** times heavier than an electron. Then what particle can easily move towards the other due to coulomb's attraction? No Sir, only electrons are projected out as beams to compensate positively charged materials.

Q: Well, that is understood but how could Earth grow by a flow of electrons?
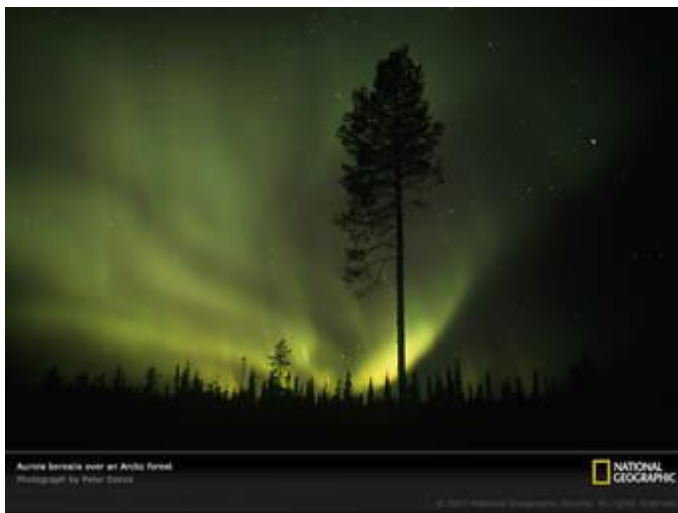
A: Electrons too belong to the category of **Energy Matter**. **Energy** means **Mass** as Albert Einstein has derived by the relation $E=mc^2$ and then you have to admit that Earth is grown in mass.

Q: My God, what is the chemistry behind that?

A: Chemistry at the fundamental phase transformation of matter is quite different and to be discovered by Science as yet. But as per my 30 years exploration through scientific deduction, bellow furnished sequence of phase transformation could be furnished bellow upon future research aspects.

1. Solar wind is consisted of weakly charged electrons and it is electromagnetically attracted by the **ionosphere** of Earth. The flux of solar wind, being recharged at the **ionosphere,** strengthened as electrons and they are gradually passed in to lower atmospheric layers. High humid cloudy lower atmosphere is a weak conductor and the high electron potentiality is suspected to strike upon grounds as lightning strokes.

   At the South Magnetic Pole of Earth (geographic North Pole), a considerable portion of the flux of solar wind is directly absorbed in to the globe and that is the cause behind the charming exhibition of **aurora**. [Coulomb/1810 has shown us how a unit charged particle behave in a magnetic field and accordingly electrons are slowly moved in to the Earth from the magnetic south pole(Geographic north pole) by emitting a dim light. Brighter light rays are emitted from electrons only whence they travel at the speed of light. (pl ref. 'Space Dynamics –V1'/2009/www.worldmysteries.com)

(Aurora-with gratitude to Google web images)

2. High rotary dynamic spherical vortex of charged particles around the dark matter ball in Earth, creates a region of almost **absolute zero pressure** at the center of Earth. **Energy Matter** as a whole such as; solar wind, electrons, light(photons) and heat etc. is abstracted by the **Geo Spherical Vortex** for growth of the dark matter globe at the center.

    The Spherical vortex itself accounts for the magnetic field of Earth. (pl refer to "Earth Mechanism" pdf /Space Dynamics-V3 /2010- www.worldmysteries.com

Q: What happens to the abstracted energy matter in to the dark matter ball?

A: It is the miracle in the universe, and even galaxies are contracted in to dark matter and become almost nothing along the 4th dimension.

Q: Then your dark ball could have collapsed the hard mantel of Earth with us to be contracted in to nothing ultimately at the center?

A: No, growth of a dark matter ball in a planet is very limited because energy flow in to the globe is always buffered by the hard mantle.

Q: What will happen then if the flux of solar wind in to Earth is stopped by some external reason? Suppose all the other planets comes in a line in the opposite side of Sun to absorb much solar wind without leaving much for Earth?

A: That is the exact condition required to commence a destructive **geo magnetic reversal**. No need to take all the planets in an opposite line but only Jupiter, Saturn, Neptune & Uranus would do the job someday by their gigantic magnetic fields line integrated. But it should happen if only the alignment is set upon the direction of the galactic wind (Scorpio to Taurus) by which Earth is prevented from receiving energy from the galactic wind too.

Q: Now you are talking of another wind in the space as **galactic wind** and what is it?

A: You could have observed two tail comets and it indicates the existence of two different winds in the space. One is already known as **Solar Wind** and the other is coming out from the galactic center just like a hurricane wind to rotate everything including solar systems about the center. The **Galactic Wind** possesses a different density and it too brings a flux of energy (electrons of different size). Earth is fed by the flux of energy from the galactic wind yearly during the period from May to July creating the **Southwest monsoonal wind**. That phenomenon is well explained by the 'Galactic Solar Calendar-GSC' as shown in the figure-12.
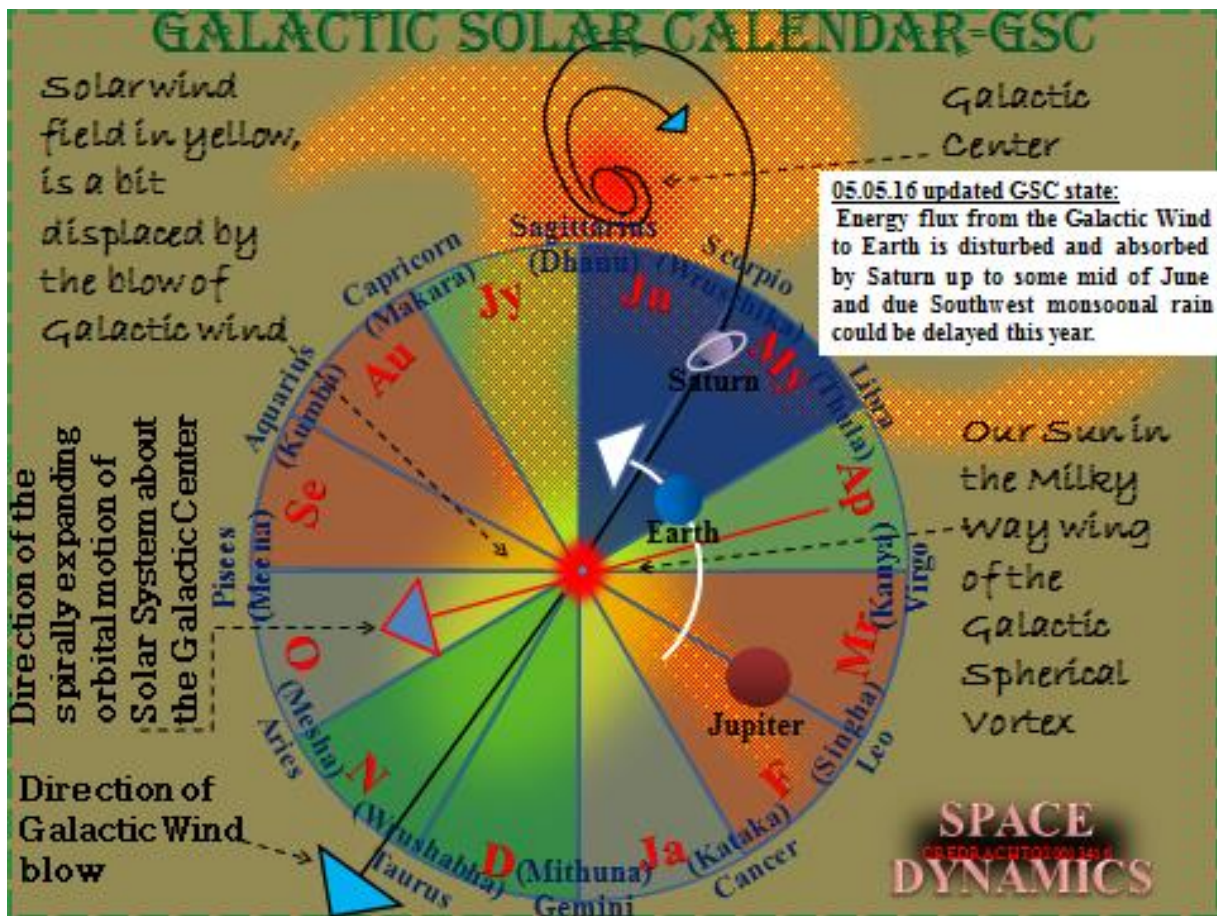
FIGURE-12(Galactic Solar Calendar to forecast changes in global climate &weather pattern)

Southwest monsoonal wind upon equatorial circumference of the globe is in the same direction of Earth's spinning. The monsoon begins from May to July by which period Earth is receiving undisturbed energy flux of galactic wind as shown in the figure-12. Wind direction is decided by the left hand rule of electromagnetism and physicists should take humid air in the lower altitude of the atmosphere, as a weak conductor to receive a motive force when a flow of energy is passed from the sky to the ground.

Q: You have made a prediction upon the calendar?

A: Yes it looks Saturn is preventing Earth this time from receiving energy from the galactic wind by standing across, and therefore the Southwest monsoonal wind and due rain could be delayed this year.

Q: Well, you say southwest monsoonal wind is the force induced for spinning of Earth?

A:No, Wind indicates just the direction of the motive force but iron rich rocky inner substance and magma layer is responsible for the electromagnetic motive force which make the Globe spin. Directional magma pressure variation under the Pacific plate is the best indicator of the phenomenon. When the magma layer gets the motive force the western side of the Pacific fire ring is pressurized creating high seismic activation there. Once the external energy flux is disturbed the

pressure is directed towards Eastern side of the fire ring. This is just like acceleration and deceleration of a vehicle.

(picture-with gratitude to Google web images)

A: If you observe the today's **map of earthquakes** (today is 09th May 16) you would observe that high seismic activation is still there at the Eastern side of the ring. But it is our experience that high seismic activation must be there at the Western side of the ring generally by this time of the year.

Q: Why are you so much worried about only the pacific plate and why not of the other plates?

A; My dear Sir, Pacific plate is young and it is the **healed wound of Earth**. Why should we care of old continental plates?

Q: I can't make head or tail out of a wound?

A: What would you think to happen at a geo magnetic reversal? Energy flow to run the motor is celestially cut off. Then the dark matter globe at the center decelerates in rotating speed. You know neutrons cannot exist without moving and it starts expanding in to **hydrogen** by preserving the same

direction of rotation. Can you remember the Scientists of Cola Super Deep project had reported that hydrogen was bubbling out from Earth at a depth of some 12.26 km?

Q: I am sleeping but continue your narrative.

A: Well but you would not sleep if the pacific plate is projected out to fly in the sky once again.

Q: Hell of a thing you suggest but how on Earth?

A: Pressure in Earth should immensely go up at the beginning of a reversal with the ever highest possible seismic activation all over the Globe.

Q: You said some flying of the Pacific plate once again, did you? Has it ever happened in the past?

A: Yes the old Pacific plate was gone and what we have today is a younger crust grown later on to heal the wound.

Q: Well, then what has happened to the old plate?

A: look at the sky in the night. The old Pacific plate has become a lantern to serve you with a dim light in the dark.
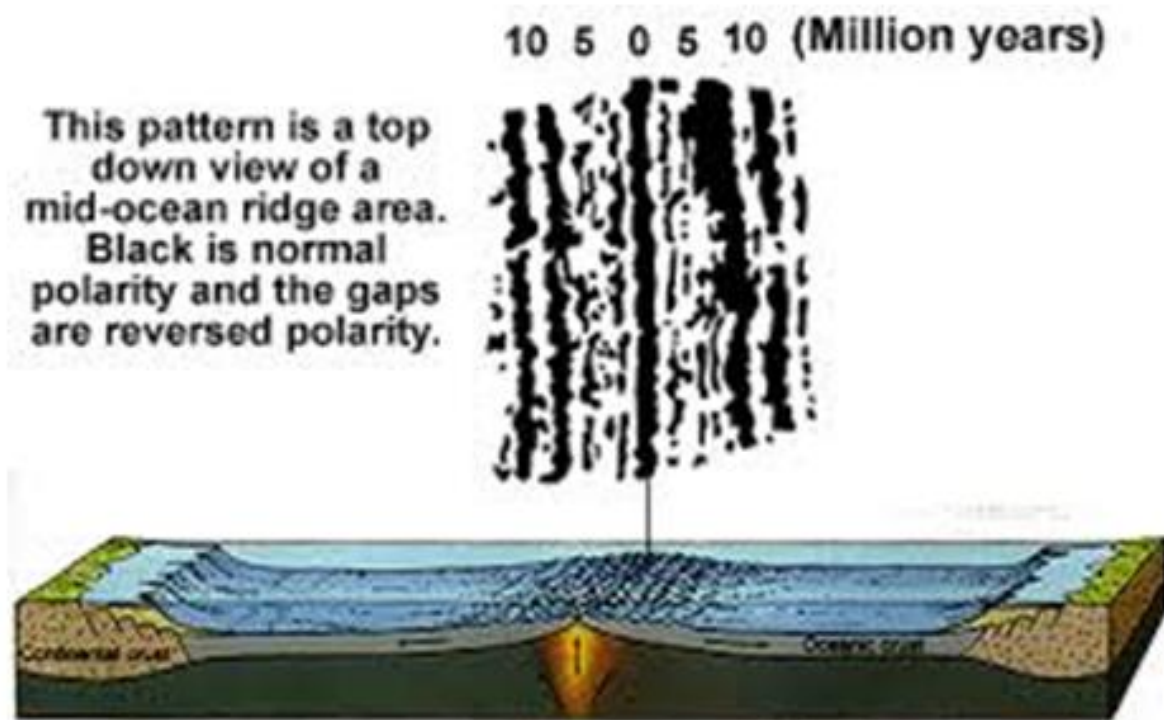
Q: My God…. the Moon?

A: Yes with the whole story written by birth marks on the lovely face when the plate is rounded due to self-gravity.

Q: You mean it has been shot out by the pressure like a bullet?

A: No Sir, if so the orbit of Earth should have been shifted from the solar equatorial plane due to the reaction of the blast. So we have to deduce that spinning of proto earth was much speeded than today and then the high centrifugal force upon the plate could have projected the loosen plate off with the increased inner pressure too at a magnetic reversal. (pl refer "Origin of Moon by Earth Bang"/2010/Space Dynamics/www.cyrilhtgamage.com)

Q: Then the next reversal may deliver another Moon?

A: No Sir, every geo magnetic reversal could not be so violent but human civilization living on the globe as a whole shall face the risk.

10 5 0 5 10 (Million years)

This pattern is a top down view of a mid-ocean ridge area. Black is normal polarity and the gaps are reversed polarity.

(picture-Phenomenon of geo magnetic reversal/ with gratitude to Google web images)

Q: Well, what is the thickness of a continental tectonic plate as you surmise?

A: The solid crust should be more or less some **150km** according to the mathematical deduction.

Q: You have already deduced it as 168km above in this paper.

A: Yes but it is inclusive of the materials in the red hot liquid form too. Anyway, there is another quite different way of deducting the depth of the solid crust by consideration of the mass of Moon.

Q: What ….by mass of Moon?

A: Yes because mass of Moon has not changed even a bit ever since from the birth.

 2.23 Deduction of the thickness of the solid crust of Earth:

Validity of Assumptions:

I. Origin of Moon is assumed to happen by projection of a tectonic plate off from the proto Earth at a late geo magnetic reversal of massive scale. The incident might have taken place before oceans were formed on Earth and as a proof all the continental plates still look to be parted gradually forming oceans. But the continents around the Pacific Ocean cannot be matched together to fit and therefore it is reasonable to think that the pacific crust of the

proto Earth is badly missing. The high seismic activation around the Pacific Ring of Fire is the best evidence for the big bang of the proto earth to deliver a moon.

II. Mean density of Moon is **3.34 g/cm³** and it is assumed that the solid crust of the proto Earth too had had the same density. Even today, it is a very reasonable assumption for the density of the solid crust of Earth. But actual mean density of today's Earth is 5.52 g/cm³ which doesn't tally with any acceptable theory of physics. As a proof no rocky layer or magma layer was found by Geologists, denser than 3.7g/cm³ and how could then believe more denser materials should exist there in the inner cores. The **Hollow Globe** concept which introduces a dark matter ball surrounded by an energy vortex is the only theory to explain how Earth gets its high density of 5.52 g/cm³ in reality.

III. It is also assumed that depth of hard mantle of the proto earth =H.

Mathematical Deduction:

Mass of Moon=7.347 x 10²⁵g

Aria of present Pacific Ocean = 1.65 x 10¹⁸cm²

Mean density of Moon=3.34 g/cm³

H=depth of hard mantle of proto Earth

7.347×10^{25}g =[Hx(1.65×10^{18}cm²)(3.34g/cm3)]

H= 1.349×10^{7} cm

Thickness of the Solid Crust ≈135km

Q: Well but you have deduced it as **168km** in the previous deduction and how do you accounts for the difference?

A: 168km is the depth with all the materials in Earth including the bottommost layer of lava. 135km must be the depth of the solid crust of the proto Earth and it ought to be a bit increased by now because Earth is being grown. (pl refer "Theory of Solar Mass Transplantation"/2015- www.cyrilhtgamage.com)

END

Grand Summary:

1. The misinterpretation of behavior of seismic medium waves to comply with the already accepted Geological Earth Model was challenged at first by this technical paper

2. The theory of 'Deeper sunken denser materials' is rejected by the paper and instead a different inner texture under 'Theory of Hollow Globe' has been introduced. The phenomenon behind has been explained by the theory of 'Inverted Gravity' inside of the Globe

3. The natural phenomena have been explained such as;
    I. Polarization and due 'Electromagnetic Spinning' of the Globe by absorption of the energy flux from both solar wind and galactic wind
    II. Growth of Earth and the essential condition for a Geo Magnetic Reversal to happen

4. Galactic & Solar dimension upon climatic and weather pattern changes on Earth was explained by introduction of the 'Galactic Solar Calendar-GSC' for predictions

5. A mathematical deduction was done to clarify the depth of solid crust in Earth by two different approaches.

Any novel idea, concept or theory introduced herein by this experimental technical monograph, is freely exposed for the World Public, to test and adopt in any researches, inventions and applications on behalf of coexistence of the Global Ecosystem and Human Civilization.

C y r i l   H   T h a l p e   G a m a g e

10th May 2016