

CHAPTER-19

PROVOKING CHALLENGE

Highlights about the chapter PROVOKING CHALLENGE in MATERIALISTIC UNIVERSE by Ramesh Varma.

Note: Chapter over PROVOKING CHALLENGE is not an encyclopedia. Challenger has illustrated only which relates to the new or contrary findings/understandings with some existing references to make the subject understandable.

- Every human ignores minor issues/ understandings against his/her major ones of the routine. This short-coming of the mind-set results for the blunder mistakes/errors. Similar some understandings/speculations of the past-era over the subjects Astronomy and light/rays have been adopted/accepted blindly by the World which according to the present World knowledge are of '**Foolish-nature.**'

After going through this chapter and over the other chapters of MATERIALISTIC UNIVERSE, every concerned reader by holding head with his/her hands would say to him/her self "Oh! My God; how foolish I was?"

CHAPTER - 19

PROVOKING CHALLENGE

(Provoking challenge by proving existing information i.e., speculations/understandings over the challenged basics with the Experts are of 'Foolish' nature.)

Below are some speculations/ understandings which prove that the existing experts are not as wise as understood, particularly over the basics of Astronomy and some basics over the Physics too.

In fact they are very much wise but because they have never given a second thought over some age old speculations/understandings thus their knowledge has been proved so. Challenger has proved knowledge with the Experts of foolish nature not by his own knowledge but from the knowledge with the Experts by clubbing their two different speculations/understandings over the same or similar phenomenon.

WHY THE CHALLENGER HAS PROVED AND WRITTEN LIKE SO?

The reason, that why the Challenger has written and proved so (in this chapter) has already been stated under the relevant chapter/paragraph. But in brief: Till to date (January, 2010) no one has dared to accept the Challenge and no adverse comments or reply he has got from any one. This situation has compelled the Challenger to raise the Challenge level from stage one (customary) to the next (provoking) so that the concerned should not find the way to escape from accepting the Challenge and not to remain silent; thus he has written/claimed/ challenged the World like so (By **proving some** existing knowledge with the Astronomers, Space explorers and Physicists of **foolish** nature over the Challenged subjects).



SOME FOOLISH SPECULATIONS BY THE EXPERTS RELATED TO FORMATION OF SOLAR SYSTEM (SUN AND PLANETS)

AUTHOR/CHALLENGER: To prove phenomenon (A), Astronomers have used speculation (a) and to prove phenomenon (B), they have used speculation (b) and so on. Every speculation with the passage of time has become an understanding and long period of its acceptance has put over it an approval stamp.

Below is an example of foolishness by the World Astronomers (Paragraphs of World understandings have been exhibited below)

Speculation (a) by the World Astronomers to prove phenomenon (A) that our solar system is in almost a plane:

FROM A BOOK OVER ASTRONOMY OF WORLD REPUTE

The formation of the solar system

The present-day layout of the solar system offers a number of clues as to how the sun and its family came into being. From observational evidence gleaned by astronomers we have pieced together a theory as to the formation of the solar system that we believe to be correct, at least in general terms.

The solar system formed from a rotating cloud comprising gas and particles of dust and ice. This cloud is referred to as the solar nebula. Though the effect of gravity, the material in the solar nebula congregated towards the central region, resulting in an increase in density, temperature and pressure and the formation of a 'protostar'.

At the same time, the rotation of the irregular cloud caused it to flatten out into a disc. It was from the central region of this disc that the Sun was formed, the outer parts eventually forming the planets. This theory ties in quite well with observation, which shows us that the planetary orbits are more or less in the same plane.....

Speculation (b) by the World Astronomers to prove phenomenon (B) that why different planets have different direction of their spin and different speed of rotation?

FROM NEWSPAPER, 16th NOVEMBER, 2007

The spin of the earth is 1000 miles per hour and its direction is east to west. Planet Venus, similar in size and mass, rotates backwards, west to east; its day lasts 243 earth days giving a spin rotation of about 4 miles per hour. Planet Uranus rotates on its side. Its summers and winters are 21 earth-year long. Planet Jupiter, the biggest in the solar system, spins fastest at the rate of 28000 miles per hour. How can one reconcile or understand these wide discrepancies?

Sticking with the basic argument given in answer to the previous question we can give the following explanation for the apparent discrepancies you have pointed out:

Different rates of spin depend on the rotation period of the original cloud from which the planets congealed. In the relatively chaotic phase of formation of the solar system no uniformity can be prescribed in this regard.

For example Jupiter must have contracted from an enormously large rotating cloud of the dust and gas. That is the reason it spins so fast.

Slow retrograde rotation of Venus probably comes from the fact that its parent cloud was rotating very slowly in that reverse direction.

Uranus must have been knocked on its side early in its history by a large body. Such collisions were not that unlikely.....

To prove phenomenon (A) i.e., that why our solar system is in a flat plane; the World Astronomers speculated (a) the formation of sun and planets (solar system) from a rotating cloud comprising of gas and particles of dust and ice, but whereas to prove phenomenon (B) i.e. why different planets have different speed of their spin and direction of spin; Astronomers have speculated (b) that the planets has been formed from different clouds having different rotation speeds similar to the existing planets. **Is it not a foolish understanding?**

CONCLUSION:

Understanding of white-matter and light/rays as observed, illustrated and proved by the Challenger would result to understand every phenomenon of solar/planetary system, leaving no riddle or speculation.

Speculation that the planets are in almost a plane due to their formation from a (only one) fast spinning cloud which developed a shape of thin disc is absolutely wrong. Planets are in a plane due to the Sun white-matter rays which forms a V-Rim or Notch zone over a plane passing through the equator of Sun as illustrated and proved under the relevant chapter(s). Speculation that the spin direction and speed of the planets is due to the rotation of different clouds on which they were spinning at the time of their formation is also absolutely wrong. Spin direction and speed of the planets is due to the Sun white-matter rays, white-matter rays by the planets, shape of the planets, density of the atmosphere, size and density of the planets etc, all as illustrated and proved under the relevant chapters.



FOOLISH NATURE SPECULATIONS TO JUSTIFY THE FORMATION, LAYOUT AND FUNCTIONING OF THE SOLAR SYSTEM:

SPECULATION (A) Different wandering and spinning nebulas/clouds on getting clubbed together formed a giant **fast spinning** cloud.

SPECULATION (B) Fast spinning cloud of matter spun dramatically fast to form a **thin disc (extremely thin disc)**.

SPECULATION (C) Fast **spinning** and compacted thin disc shaped body on explosion/burst had formed **different spinning bodies** (Sun, planets and other masses).

WORLD: What so ever said or speculated above is not all wrong but what is wrong or false has been stated and illustrated below:

CHALLENGER: Every Challenged subject requires a deep thought and intelligence to understand but the said particular speculations by the World require extremely deep intelligence and visualization along with knocking his/her wit by the reader to understand that these speculations too are wrong and false.

Different wandering (not spinning) nebulas/clouds can club together to form a large one, but two or more **spinning/swirling** nebulas/clouds can never club together to form one large swirling/spinning cloud without disturbing their spins or without bringing them to a state of un-rythmatic motion which can be understood as wandering, zig-zag, brownian-motion, rest-less, etc. Hence speculation (A) that different **spinning** clouds got clubbed together to form a fast swirling/spinning cloud is wrong and a false understanding.

A large nebula/cloud on contraction due to gravity would compact the mass and would also acquire rotational motion from slow speed to faster. But fast speed has the limitation, which can not go too fast to turn the matter to an extremely thin disc as understood by the Astronomers but must develop an oblate shape of higher oblate magnitude.

Illustration: If the whole matter is compacted suddenly in no time, there would be no rotational motion and compacted mass would be a sphere and further, if matter is not compacted, again there would be no rotational motion and again the mass would remain in spherical shape. Hence there is some relationship of spin-speed and time period to compact the mass by rotation and adopting an oblate shape. Rotation speed can not go so high which can turn the mass to a shape of an extremely thin disc. Compacting body on reaching a saturation stage in compactness has to explode. By observing and understanding the said facts, matter can not be compressed to a shape of extremely thin disc which can justify the solar system layout in a flat plane. But whereas solar system is in a flat plane due to the Sun-rays as stated and illustrated by the Challenger under the relevant chapters/paragraphs.

Any fast spinning body on explosion can not yield spinning bodies having **spinning direction base of their mother**. Out going/ejected bodies formed may or may not acquire the spin, this would depend upon various factors but their spin if any that would not be related to the spin direction of their mother. Hence spin direction of the fragments (planets) formed on split or by explosion have nothing to do with spin direction of the nebula/cloud (mother), but the planets are spinning by the rays as stated and illustrated by the Challenger under the relevant chapters/paragraphs.

AN PRACTICAL NATURAL EXAMPLE TO UNDERSTAND, WHAT HAS BEEN STATED ABOVE BY THE CHALLENGER:

Swirling-wind, tornado, cyclone and storm (storm too is a swirling wind if seen from above/satellite) are the best examples to understand about clubbing of two or more swirling/spinning nebulas/clouds which formed our solar system as understood by the World. Understanding of the said natural gaseous and particles formations over Earth would make easy to understand that what has been concluded by the Challenger.

Has any person seen anywhere clubbing of any of the two formations said above (tornado, cyclone and swilling-wind)? Answer must be, no. Any of the two gaseous and particles swirling/spinning formations if are seen and noticed nearby by any person, these must be having in between a calm/lull/undisturbed atmosphere-zone and all the formations must be spinning in the same direction. Now visualize clubbing of any of two supposed swirling/spinning formations. On clubbing; their moving boundaries would touch each other in the reverse direction (because these formations are spinning in the same direction) and on further bringing closer the formations under visualization, both formations would lose their spins to reach a stage of restlessness or calmness but definitely would lose their pre-spin direction. Even if it is presumed that two spinning formations which have to club together are spinning in the reverse directions; on merging with each other they too have to lose their pre-spin direction and on clubbing they cannot spin in any direction. After becoming restless in un-rythmatic manner they may or may not adopt any spin direction as per the circumstances.

Hence, two or more swirling/spinning formations/ nebulas/ clouds cannot get clubbed together to form a big, slow or fast swirling/spinning formation/body without being passed through a state of disturbed/calm/lull state thus speculation that different spinning nebulas/clouds get clubbed together to form a giant fast swirling/spinning formation/body is wrong rather false. If among the Experts, any Expert does not have capability to visualize, he/she must develop a computer program to understand, what has been observed visualized and understood by the Challenger.

There are only two options which can keep a united/clubbed formation/body spinning after being clubbed from two or more swirling/spinning formations.

- If the swirling/spinning formations have a common axis of their spin and the formations are spinning in the same direction. This set up of swirling/spinning formations does not exist on Earth and in space; hence not worthy to think of.

- If one swirling/spinning formation is much greater than another; in such case bigger swirling/spinning body would engulf the smaller by retaining its spin but its spin must get disturbed; disturbed magnitude would depend upon the difference between the two. Even this state of clubbing does not support the speculation for which **targeted-purpose** the Astronomers/Experts understand the stated speculations.

CONCLUSION:

Above said speculations by the Experts are wrong, misleading and of foolish nature; these speculations falsely justify the lay out of solar system in a flat plane and spinning of the planets. But whereas solar system is in a flat plane due to the Sun rays and planets' spin is also by the rays as stated and illustrated by the Challenger.



FOOLISH NATURE SPECULATIONS BY THE EXPERTS RELATED TO SUN/SOLAR-WIND, COMET AND EARTH.

AUTHOR/CHALLENGER: Before linking speculations/ understandings of the Astronomers over these celestial bodies, some important paragraphs/lines from the newspapers and Internet have been exhibited below:

COMETS:

FROM NEWSPAPER, 31st OCTOBER - 2007
Rare opportunity to see Comet Holmes
There is a rare opportunity to explore in the northern sky after the sunset, a celestial body Comet Holmes, as big as the largest planet, Jupiter, with naked eyes. The comet, seen after a gap of 115 years, will be a lifetime experience for the sky observers.....

FROM NEWSPAPER, 9th, November-2007
Celestial celebrations
This stranger is actually the well-known periodic comet belonging to our solar system. The comet, named as Holmes after its discoverer Edwin Holmes, who first spotted it on November 6, 1892, goes around the sun in an orbit. Given its distance of 1.6AU from us, this means that the actual size of the comet is around 75% the size of sun

FROM Internet, 8th, November-2007
Comet
A ball of ices composed of water, ammonia, methane, carbon dioxide, and other substance, also mixed with rocks and dust. As a comet approaches the sun, the comet heats up and the ices melt. The solar wind pushes particles away forming a glowing tail pointing away from the sun

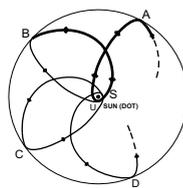
SOMETHING MORE ABOUT THE COMET:

- Comets are large bodies having their size not lesser than some planets. (True)
- Comets re-start their journey toward the sun from a far off place in space but within the solar system. (True)

- Speed of the comets at re-starting point is negligible or can be understood as zero. When these comets cross the orbital path of Earth, their speed is in thousands of Kilometers. (True)
- These giant and fast moving comets can not plunge into the sun due to the solar-wind (Challenger: Comet does not plunge into the Sun only due to the solar-wind but due to the thrust of Sun white-matter rays and solar-wind both).
- Comets orbit the Sun (Challenger: Comets do not orbit but moves in a loop-track due to their eccentric position.)

Comet does not travel in any orbit, it only tracks the plane in a unique way which can be called as '**Comet-Loop-Track**'.

COMET-LOOP-TRACK (PATH-AUB)



Sketch is by presuming that the Comet had not lost or gained mass during its re-start journey. A, B, C, D, are the start points and also the farthest point of the Comet as per its mass. Small Dot 'S' in the centre is the Sun. Sun spin is in the direction ABCD. 'U' turn point of the track AUB, defines AU distance much shorter than the return distance UB. Sketch can't be made proportional to the actual distance, hence to make proper sketch is not possible.

From above, readers must gauge the level of understanding of the World Astronomers that how wise/foolish their speculations/understandings are? In reality what would happen, if we suppose or presume that our earth slowly and gradually has stopped spinning and orbiting?

Earth would not fall into the Sun but would perform action as stated and illustrated under the relevant chapters/paragraphs and also under TEN-QUERIES.

FOOLISH NATURE SPECULATIONS THAT THE PLANETS ORBIT THE SUN IN NO MATTER ZONE AND UNDERSTANDING ABOUT THE PLANET PLUTO:

AUTHOR/CHALLENGER: World Astronomers understand that the planets orbit the Sun in no matter zone (or in frictionless zone); Sun and the planets are spinning and orbiting due to motion they got at the time of their formation and rays (solar-ejects) are not playing any role in the function of solar-system. To find or spot future position of the planets, they use Kepler's Law and the same law they applied over the Pluto. They failed to spot Pluto at the location where they calculated. Instead of understanding Pluto, they called Pluto a misbehaved planet/body and later excluded it from the list of planets.

EARTH & SUN:

From Internet on 7th November, 2007
What could happen if the earth stopped revolving around the sun?
The earth can't stop orbiting the sun and not fall into the sun, its basic physics, the centripetal force of the orbit counteracts the sun's gravity.
"If the earth suddenly stops orbiting we fall into the sun and have a very bad last couple of days."

From Internet on 7th November, 2007
What could happen if the sun stopped spinning?
Because the Earth still orbits the Sun in this scenario, the Sun would still appear to go around the sky once per year. It would rise and set only once every year. If you wanted to magically stop that motions as well, again you would need to transfer the angular momentum of the Earth's orbit to somewhere else. Doing so would likely cause a shift in the orbits of the outer planets. Now, with Earth having no motion around the Sun, it would be begin to fall straight toward the Sun. In a few months it would crash into the Sun: end of Earth. The Earth is always falling towards the Sun (its gravity pulls us toward it). But it also has motion around the Sun which balances the pull and keeps us going around in a roughly circular orbit.

World understands that if Earth stopped revolving around the Sun it would fall or plunge into the Sun. But a comet, size of which is equivalent to the planets, starts its journey from almost zero speed from a far off place in the space and reaches to a speed of thousands of Kilometers on crossing the Earth's orbit could not fall into the Sun because of the solar-wind (solar-ejects). Whereas Earth, which would start its journey from zero speed toward the Sun; where comet has a speed of thousands of Kilometers; would fall or plunge into the Sun (without being opposed by the solar-wind). **Is it not a foolish speculation/ thought/understanding?**

CONCLUSION:

Astronomers understand that comet does not plunge into the sun due to solar-wind. In reality, it is not only the solar-wind which prevents plunging of the comet into the Sun but comet escapes from falling into the Sun due to solar-ejects i.e., Sun white-matter rays and solar wind both as illustrated and proved under the relevant chapter(s).

Earth too would not plunge or fall into the Sun, if Earth stops its spin and orbital motion, if we **presume** that earth stops spinning and also its orbital motion and thus on being attracted by the Sun; it would not remain a sphere on gaining speed but would have loose rocks, dust, gases, ice and water vapors in a shape similar to the comet, thus its fate would be like a comet. (Earth would not plunge into the Sun as Astronomers understand)

FROM NEWSPAPER, YEAR-2005

A misbehaved Planet

It's been 75 years since the discovery of Pluto, but it remains a mystery.....

"It's a misbehaved planet if you want to think about it as a planet," said Neil de Grasse Tyson, director of New York's Hayden Planetarium at the American Museum of Natural History.

Estimated orbital period of Pluto is 238 years. It has not yet completed one revolution since its discovery in 1930, so Astronomers were/are not familiar with its actual movement/orbit/track. Had they noticed actual track of Pluto, they might have understood something contrary to their existing understanding. During the last 80 years, since its discovery, Astronomers could not understand Pluto due to their existing wrong and **foolish** type understandings and thus called "Pluto a misbehaved-body. No Natural celestial body can be called or labeled as misbehaved-body. By calling a Natural body so proves poor or **foolish** understandings with the Experts over Astronomy.

CONCLUSION:

Due to solar-ejects no planet in true sense is orbiting, they all are moving in a loop-track as illustrated and proved under the relevant chapter(s). More the body (planets, comet or any body) is eccentric, greater the shift in loop-track. Due to this factor, Pluto being highly eccentric moves noticeably different than other planets. This all has been explained and proved under the relevant chapter(s).



FOOLISH NATURE SPECULATIONS RELATED TO BIG BANG THEORY:

AUTHOR/CHALLENGER: Universe is expanding (true). From this Astronomers concluded that once Universe was smaller than the existing (true). So it must be the smallest at its origination; and the smallest size they understood as highly concentrated entire Universe composed of all its states of the matter including white-matter and that of size not exceeding a pea-nut (here they did a mistake).

FROM NEWSPAPER, YEAR-1998

Birth of universe

LONDON: The universe may have started as no bigger than a pea before the big bang which created the universe 12 billion years ago, according to a new theory from British scientist Stephen Hawking. Hawking, the wheelchair mathematician and author of the best-selling "a brief history of time", believes the pea like universe only existed for a fraction of a second before the big bang.

FROM NEWSPAPER, YEAR-2005

The Big Bang Theory

OUR solar system occupies a minuscule part of the galaxy we call the Milky Way. There are millions of such galaxies.

In 1929 the American astronomer, Edwin Hubble, proved that the galaxies are moving apart from one another at tremendous speeds.

Scientists had known this at least a decade before Hubble proved it. In 1922 a Russian mathematician, Alexander Friedmann, had pointed out that if the universe was expanding because the galaxies were moving apart, the galaxies must have been closer to each other a hundred years earlier, still closer a thousand years earlier, still closer a million years earlier, and at one time they must have all been part of one great mass.

In 1927, a Belgian astronomer named Georges Lemaitre who was unaware of Friedmann's work came to the same conclusion as the Russian. He called the original mass from which all the galaxies took birth, the cosmic egg. He said the cosmic egg had exploded, flinging all its matter out, and the fragments (galaxies) were still moving apart because of the force of that explosion.....

Astronomers very well understand that in the Universe, celestial bodies on reaching to an explosive situation explode. Such celestial bodies are still exploding then how a Big-Bang-body of millions/billions times greater in mass than such said (exploding) bodies could develop to exist even for a moment. Further presuming such great mass body of a small size (extremely dense) body equivalent to a pea-nut is not a **foolish** thought (speculation)?

CONCLUSION:

- We see the Universe composed of solids, liquids and gases. These three states of the matters exist because these are surrounded by white-matter besides being composed of white-matter (i.e., Fourth State of Matter which the World understands as only energy). Had these three states (solid, liquid and gas) of the matter were/are not surrounded by the white-matter, these could not have existed; all these states of the matter would have disintegrated to yield white-matter. Matter (Solid, liquid & gas) of this existing vast Universe could not have exist without being surrounded by the white-matter; then how an extremely condensed mass (Universe) can exist of the size equivalent to a pea-nut surrounded by **absolute nothing**?

Our Universe at the beginning was smaller than the existing but what was the smaller size has been observed and illustrated in the relevant chapters by the Challenger.

During the year 2009 it was reported in a World renowned magazine that due to expanding Universe our Universe would get a Big-Rip which would tear apart every thing, atoms too. This the Experts predicted because of the drop of energy level which surrounds the matter. But on the other side, the Experts are still beating the claim and existence of Big-Bang. This proves that the Experts are how much wise in their speculations/understandings.

ASTRONOMERS SPECULATED THAT THE PLANET URANUS GOT TILT TO ITS AXIS OF SPIN BY THE COLLISION BUT THEY (ASTRONOMERS) HAVE NEVER GIVEN A WISE THOUGHT THAT HOW ITS RINGS TILTED ALONG WITH ITS TILT:

World understands that our solar system is over an almost flat plane because of its origination which was from a fast swirling/rotating cloud that turned to a thin disc just before forming Sun and planets.

AUTHOR/CHALLENGER: Solar system is in an almost flat plane not because of the reason observed and explained by the World but it is due to the Sun white-matter rays which form a V-rim or Notch-zone over the plane passing through the equator of the Sun as illustrated and explained under the relevant chapter(s).

Had it been so as World understands, then why are the rings of Uranus perpendicular to this flat plane? Uranus on colliding with any other body can adopt any shape or thus its angle of rotation but any collision could not tilt the rings of the Uranus. Rings got tilted due to the white-matter rays emitted by the Uranus by keeping the particle/mass/satellites in its (Uranus) Notch-zone as illustrated under the relevant chapters.

So, solar system being in a plane is not due to the reason (speculation) as concluded and understood by the World, but it is due to the white-matter rays as illustrated by the Author/Challenger. Astronomers/Physicists have never attempted to link their own speculation over the formation of solar-system in a flat plane and tilt of the Uranus along with its flat-rings; this proves their knowledge over the subject i.e., **Foolish**-nature of their speculations.



A FOOLISH UNDERSTANDING RELATED TO PHYSICISTS.

Some understandings with the Physicists too are of similar nature over knowledge of some basic challenged subjects. Due to their wrong understandings over the states of the matter and property of light rays etc, Physicists are responsible for keeping the Astronomers at bay from correctly understanding Astronomy (solar systems or the Universe).

FOOLISHNESS OF THE PHYSICISTS TO UNDERSTAND LIGHT (SUN-RAYS) OR ANY OTHER KIND OF THE RAYS AND THEIR EFFECT OVER THE CELESTIAL BODIES:

A practical experience: Author/Challenger approached a Physics Professor holding a top with a Physicists academic and official position in a University to explain his claim that it is the sun rays which spins and orbits the planets. On just start of the explanation, he asked to the Challenger if he can prove this.....? Challenger said that this can not be proved in the laboratory but for this Natural phenomenon it has to be observed and understood. He said that there is no cause in science which can not be proved in the laboratory. Challenger further said that every subject does not fall under the purview of the laboratory. Professor said that if he can't prove his claim in the laboratory then he (Challenger) should not waste his (Professor's) time. **Is it not a foolish thought that every thing can be proved in the laboratory?**

UNDER SUCH VIEWS / OPINIONS (UNDERSTANDINGS) WITH THE PHYSICISTS; HOW PHYSICISTS CAN UNDERSTAND LIGHT AND OTHER RAYS?

Illustration: A ray on emerging from a spinning body does not travel straight but forms a long curve/spiral. Can any one prove this by experimenting in the laboratory? No, because bend/ spiral of the ray path is noticeable/ observable only when a ray has traveled millions/billions of kilometers. So to understand light and other rays, we have to observe/notice (experiment) only in the Nature's vast laboratory i.e., by observing/visualizing solar system.

Under such foolish understandings with the Physicists, Physicists can not understand light and other rays.

Is it possible to perform experiment in laboratory to prove that rays spin the heavenly bodies? No, we cannot understand this Natural phenomenon in laboratory: why so?

- Can Physicists have in laboratory any spherical object large enough to prove and that also would have zero friction on rotation (similar to the celestial body)? No; presume yes.
- Can Physicists create a powerful spherical spinning source to emit rays with pressure like the Sun? No; presume yes.
- Rays form a noticeable/effect-able bend/curve only when they have traveled millions of kilometers. Can Physicists shorten this distance? No. Can they have Physics laboratory spreading over a distance of millions of kilometers? No.

From above it has been concluded that no one can prove in the laboratory by creating small solar system that how Sun rays spin the planets and how sun-rays force the planets to orbit around the Sun.

Physicists have no option except to understand light and other rays in Nature's vast laboratory i.e., in solar system that too without the use of microscopes, telescopes or any device but by just observing, visualizing, understanding and concluding the Nature's phenomenon (results, like we study in the laboratory).



WHAT OPINION IS ABOUT THE SPACE EXPLORERS ABOUT THEIR SOME FOOLISH SPECULATIONS?

When Astronomers and Physicists do not know correctly, rather know falsely the basics of Astronomy that what spins the Earth and other planets then how can they (Space explorer) reveal correctly the secrets of Universe? Something about them has been stated under the chapter: LIVING WORLD BEYOND OUR EARTH.



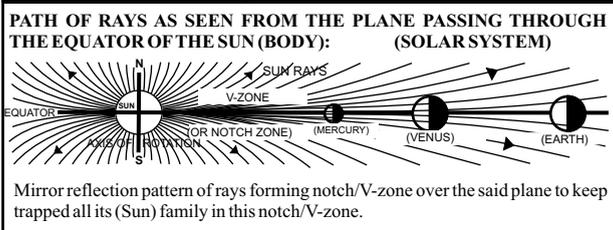
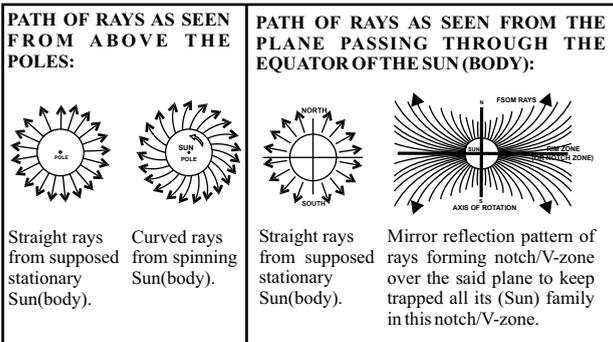
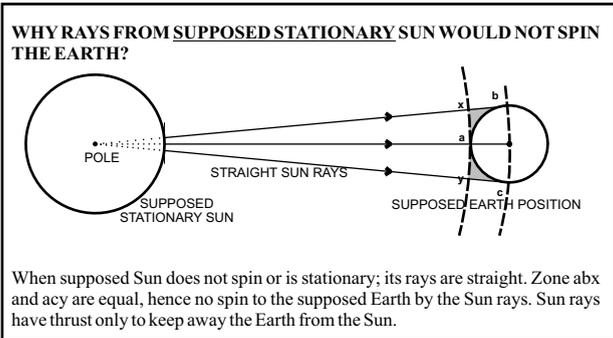
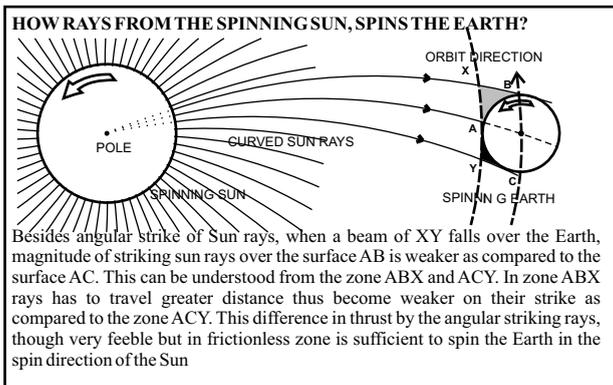
WHAT THE WORLD AND THE CHALLENGER UNDERSTANDS ABOUT THE SPIN BY THE BODIES?

WORLD: World understands that Earth spins due to its formation from a spinning/rotating cloud and would keep on spinning till it exists and further understands that it is not being governed by any force; that all is not true rather false.

CHALLENGER: Earth is being spun by the impact (torque force) of sun rays (Rays on emerging from a **spinning** Sun do not travel straight but form a curved/spiral path which spin the Earth on their angular direction strike) and Earth also spins itself by its own radiated /generated rays (Escaping rays from spinning Earth too forms a curved/ spiral path which spins the Earth on leaving due to their angular torque thrust force). Both the rays from the Sun and Earth spins the Earth in the same direction and this spin is in the direction in which Sun it self spins. (Sun rays spin the Earth in its own direction of spin and Earth follows the same spin direction). But whereas in case of Venus due to its extremely denser atmosphere i.e., 90 times the Earth, sun rays on entering to denser medium (atmosphere) bend toward the normal. Thus strike angle of the sun rays over the surface of Venus changes and sun rays rotate the Venus in the **reverse** direction. (Radiated/generated rays from Venus, rotates the Venus in the direction in which direction the sun rays are rotating it, thus Venus rotates in retrograde direction). If Sun was not spinning, rays would have traveled straight and their impact magnitude while on their strike over Earth would be balanced on both sides, thus Earth would not have spun. But because sun is spinning, so rays are not straight but form a curve/spiral path thus rays on their strike over the surface of Earth (or any planet) half part gets greater impact as compared to the other part. This difference (though feeble but effective in frictionless zone) in thrust magnitude over the Earth (or any planet) on its either side (East and west) results the Earth (any planet) to spin.

Moon does not spin, its spin has been locked and thus it always keeps its same face towards the Earth. Spin of the Moon has been stopped due to its specific location developed when Venus, Moon and Earth are aligned closely. Moon's own generated rays' intensity is negligible, almost equivalent to nil and thus only radiated rays are left to spin, which contribute very less power for its spin. Further on close alignment and in zone when all the three are near to each other, Venus rays intend to spin the Moon in its own direction of spin and the Earth's rays always keep on intending to spin the Moon in its own direction of spin. Because Venus and Earth spins in the opposite directions, so Moon with its own negligible spin power of rays left with no option to spin in any direction. This resulted to stop the spin of Moon. Once or more repeated stops from the spin resulted the denser/ heavy-elements core of the Moon to go eccentric by the pull of Earth's gravity further resulting to lock the spin permanently. (By making the spin impossible due to Earth gravity over the eccentric core)

Spin axis of the Uranus, which is parallel to the plane passing through the equator of the Sun, is also due to the Sun rays which forms notch or V-zone over the plane passing through the equator of the Sun and specific shape of its (Uranus') solid core. Fast rotation (spin) of the Jupiter is due to its own high intensity generated rays (Jupiter generates six times more rays than what it receives from the Sun to radiate). This all have been illustrated along with sketches showing that how rays on emerging from a spinning body put effect over the celestial bodies and also has been scientifically proved under the relevant chapters/Challenge (MATERIALISTIC UNIVERSE).



AMONG THE TWO (i.e., SUN AND THE EARTH): WHICH ONE CONTRIBUTES MAJOR SHARE OF RAYS' POWER TO SPIN THE EARTH?

- **To keep away the Earth from the Sun;** rays' power (magnitude) of the both i.e., Sun and the Earth are fully responsible along with semi-centrifugal force. Repulsion force by and between the rays of Sun and Earth is being balanced by the gravity pull on each other by the Sun and Earth.
- **To orbit or to move the Earth around the Sun;** Sun rays power is fully and **directly** responsible whereas Earth rays power too is fully but **indirectly** (reflex-action) responsible.

Rays emitted and radiated by the spinning Earth put effect (but indirectly by reflex-action) on Earth itself to move around the Sun. This effect, the spinning Earth gets itself by putting effect of its rays on the Sun in an attempt to force the Sun to orbit around it (spinning Earth). Because spinning Earth is a tiny object as compared to the Sun so its attempt to force the Sun to orbit around it (Earth) goes futile (as per its difference in the power of the rays, size/volume and mass between the Sun and the Earth) thus spinning Earth itself gets an orbital move on account of its own generated and radiated rays besides being pushed in orbit by the rays of spinning Sun.

- **But to spin the Earth by the Sun rays**, only the difference in thrust power of Sun rays over either half surface of the Earth formed (due to the bending of Sun rays because of spinning by the Sun) results to provide a little but the most important primary and direction decider spin to the Earth. Once a spin is given and direction is guided, rest of the spinning work, **Earth does itself** by its own generated and radiated rays.

Sun came into existence first and the Earth has been developed later, so the Earth has to spin in the direction in which Sun rays are forcing/guiding it to spin.

CONCLUSION:

What so ever is the spinning speed of the Earth this is mostly due to its own generated and radiated rays and Sun rays too are contributing for the spin but a little as per the difference in thrust power of Sun rays on either half side of the Earth. Under the same principle, other planets get the spin and orbital movement around the Sun. Astronomers/Physicists while understanding comet, claim that comet does not plunge into the Sun by the thrust of Sun-rays (solar-wind) and on the other side, they claim that planets are not being affected by the Sun-rays or solar-wind. This proves that how wise they are over their own speculations.

DARK-MATTER:

A speculation conceived among the Physicists during the year 1930s to understand the stuff inside the galaxies believed as 'Dark-matter' and 'Dark-energy' which has mass but not visible is getting curiosity and momentum among the present modern Space-Explorers to know what it is? This speculation was conceived and is being believed by the Physicists and Space-Explorers because of their wrong and false understanding related to the basic of physics i.e., 'energy' by not understanding it as a state of the matter. Had they understood energy (light and other rays emitted by the suns/stars) as a state of the matter, they would not have conceived the false speculation of the Dark matter and Dark energy. The present Physicists too are sailing in the same boat and thus are advocating the speculation of existence of Dark-matter and Dark-energy. (A little about Dark-matter and Dark-energy has been stated under Chapter-18 for which they have no answer except to understand energy as a state of the matter). **Is it not a foolish act of Space Explorers to peep into the space to learn about existence of other states of the matter without correctly understanding white-matter.**

FINAL CONCLUSION OF THIS CHAPTER:

- We never forget life's first learning or experience.
- An unopposed speculation or understanding gets a self approval stamp in the World with the passage of time.
- Students are being taught what teachers/professors have learned. Students on becoming teachers & professors repeat the same, thus a cycle has been developed. Now the entire World is in the grip of wrong/false understandings over the challenged subjects.
- Top/key position holders who put approval stamp over the finding are extremely busy in their own routine affairs.
- High academic position holders are reluctant to understand any thing related from the lower academic level (corrections to wrong/false **basics** would only come from the lower academic levels).
- Hence, great efforts are required to overcome the snag and to free the World from the grip of a cycle of foolish/wrong/false speculations/understandings. Cycle can only be broken, if students (virgin brains) are approached directly by keeping aside the ripen brains. Cover page of the book MATERIALISTIC UNIVERSE and Challenge messages are self explanatory by just noticing sketches showing rays that how these rays spin the bodies but it has become an utmost surprise for the Challenger that these sketches could not make the Experts/Astronomers (Ripen brains) understand. If one or two lectures are given by showing these sketches to the science graduate students (virgin and sharp brains), they can understand fully that how rays spin the bodies and forces the planets to move in an orbit around the Sun. Challenger has no means to approach the students directly so as to raise the voice because channel for approach to students has been blocked by the Teachers, Professors, Principles and the Experts having ripen-brains and also due to pre-occupied understandings (wrong/false) in their brains which they consider as true from school-age.

- In addition to above, Challenged subjects face another hurdle due to a typical snag in understanding rays by the Physicist committing a blunder error in the past (centuries before). Their wrong understanding has kept and still is keeping the Astronomers at bay from correctly understanding Universe and particularly the Solar system. To understand light and other rays, Astronomers think that it is the job of Physicists and Physicists understand that to watch phenomenon related to solar system is the job of the Astronomers. By locking horns of understandings with each other, they themselves have become foolish and are fooling the World too.

WHY ASTRONOMY IS THE SUBJECT WHICH IS FULL OF SPECULATIONS AND FALSE UNDERSTANDINGS AND STILL FAR AWAY FROM CORRECTLY UNDERSTANDING EVEN OF ITS BASICS?

Illustration is over the website under related chapters but here some important facts in brief.

- Matter and light/rays have not been understood properly i.e., correctly.
- What so ever the Astronomers say, the concerned other than the Astronomers accept blindly as they do not have with them the telescope and more over every concerned thinks that Astronomy can not be understood without telescope. This fact was true some decades before but not now as far as the subject is concerned to Astronomy only.
- Space/Astronomy exploration has vast and numerous fields. Every Expert (or team of Experts) is exploring some thing different and is involved deep into it thus almost no one has spare time to look or peep deeply into the affairs/findings/explorations by the other(s).
- It seems from the present situation that there is no one who can weed out wrong/false/foolish speculations/understandings by replacing with the correct information and also who can compute/bridge correct findings/explorations of the all.

Thus the bad luck with the subject 'Astronomy'. This task to make the World aware that what is correct, the Challenger has took.

Challenger seeks co-operation and help from the sensible Experts (Astronomers, Physicists and Space-Explorers), Publishers (Publishers of the journals/magazines over the subject Astronomy), media and the concerned so that Astronomy is rectified with the correct information.

WHO CAN UNDERSTAND THE CHALLENGED SUBJECTS, THE BEST?

In fact, Teachers/Professors/Principles/Experts and all Students (Science Students) too have lost their brain **virginity** over the challenged subjects but the brain of the Science Graduate Students have not yet been ripen over the challenged understandings; thus they (Students) along with some **sensible** Teachers/Professors/Principles/Experts are the best persons to understand, judge and decide that the knowledge/information with the Challenger or with the Experts is of foolish nature over the Challenged some basics of Astronomy and Physics.