

CHAPTER-9

ASTEROIDS-BELT, KUIPER-BELT AND OORT-CLOUD

Highlights about the chapter ASTEROIDS-BELT, KUIPER-BELT AND OORT-CLOUD in MATERIALISTIC UNIVERSE by Ramesh Varma.

Note: Chapter over ASTEROIDS-BELT, KUIPER-BELT AND OORT-CLOUD 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.

- Why the Asteroid-belt cannot exist in Kuiper-belt and vice-versa?
- What is going to happen with asteroids of Asteroid-belt?
- What has formed Trojan-asteroids (group of asteroids) on both sides of the Jupiter?
- If an asteroid is picked up from Asteroid-belt or from Kuiper-belt by the comet and dropped over the planetary-zone in between the Sun and Earth and asteroid is not attracted by any planet, it would go back to its prime orbit but would take a long time. But why it goes back to its prime orbit?

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ASTEROID-BELT:

Information in brief from the World:

An asteroid is small, solid object in our solar system, orbiting the Sun. An asteroid is a minor-planet (or planetoid), which is much smaller than planets. Asteroid size is considered to be in between 1000 km diameter to larger than just 50 meter.

1. Exploration of the asteroids by the Astronomers:

World:

Astronomers observed a wide empty gap in between Mars and Jupiter and searched for the missing planet. In 1801, first minor planet i.e., asteroid named Ceres was discovered. After that till 1891, more but few asteroids were discovered but after 1891 due to the photographic-discovery, more and more asteroids were discovered. In this belt there are millions of asteroids which include known and unknown too.

Challenger:

Challenger during early stage over the discovery of unique property of light/rays and true working mechanism of solar/planetary system neglected the subject over the asteroids. He did not know or bothered to know any thing about the asteroid till the year 2005 (September). While writing computer-pages for the book over true planetary-system, he conceived the idea that why to ignore chapter over asteroids. He studied a little and got astonished to reveal that, the study and observations over the asteroids have opened most of the secrets, which the World did not know/knows till to date. Hence, he illustrated his observations and conclusions in this chapter; later he revised this chapter during the year 2009.

2. How would be the functioning of asteroids-belt, had there been no planet, comet and any celestial-body after asteroid-belt?

World:

Because of wrong knowledge with the World over solar-system, it can not understand.

Challenger:

The said supposition (query) would be helpful in understanding better, the Asteroids-belt and also the planets which are next to it. To understand this query without confusion, again we have to suppose that how would be the Asteroids-belt if all the asteroids are composed of any one density and were not disturbed by any planet or comet. In such case due to the thrust by the Sun white-matter rays all asteroids would be arranged as under:

- Big asteroids would be near the Mars and the smallest at the other far off end of solar-system; in between all asteroids would be arranged as per their sizes. This arrangement includes objects of the Kuiper-belt and Oort-cloud too.
- All the asteroids/objects would be orbiting in almost circular orbits.
- There would be no collisions/impacts between the asteroids/objects.

- All the asteroids/objects would be in a thin plane.
- All asteroids/objects would be arranged around the Sun like flat rings of the planet Saturn.

Under supposed circumstances after the Asteroids-belt there would be numbers of belts of the objects from the sizes lesser than the asteroids to its finest dust spreading from the Asteroids-belt to far off (Oort-cloud) beyond the limit of a comet-start/end-point.

Note: In fact all the asteroids are not composed of one material i.e., one density but all have different densities, (if not all have different densities, they are from a number of different density-groups.) In such case, the said supposed arrangement would not exist but position of small and large asteroids would be as per their density, mass, surface area ratio as already illustrated.



3. What has happened with the vanished asteroids-belts which once existed after the existing asteroids-belt?

World:

World does not know the reason.

Challenger:

Existing asteroids of the Asteroid-belt have been formed from small objects and dust etc like planets have been formed.

Vanished dense and large asteroids from Asteroids-belt which were towards the Sun have been engulfed or clubbed by the planets (Mercury, Venus, Earth and Mars) and some have merged with their satellites or have formed their satellites.

Vanished asteroids from Asteroids-belt towards the planet Jupiter have become part of the planets (Jupiter, Saturn, Uranus, Neptune and other following planets) and formed their rings/satellites. Rest of the mass of the vanished asteroids had moved on being broken for wider orbit as per their sizes and densities (Surface-area, mass, density ratio against thrust by the Sun rays and gravity of the Sun and the object).

Vanished asteroids from the Asteroids-belt did not move at their own for wider orbit to become part of the planets/satellites they have been drifted by the Sun rays. Three major factors had played and are playing their role to vanish the asteroids.

- All asteroids are of different sizes and of different mean densities thus their orbital speed varies by the push of Sun-rays, which results in their mild collisions resulting to form chips and fine dust. On being reduced in sizes, asteroids move a little towards the Jupiter; chips and fine dust formed move for wider orbit.
- Every comet on its visit and also while going back to its home in Oort-cloud disturbs asteroids and also results to take along some asteroids to drop them in space for their new place. Comets also break some asteroids resulting for their movement for wider orbit.
- **Among all the factors; Jupiter is the prime factor which had vanished and is vanishing and also would wipe out all the asteroids of the Asteroids-belt.**

How Jupiter has vanished asteroids from the Asteroids-belt?

Jupiter emits strong white-matter rays; these rays disturb asteroids in the asteroid-belt resulting to give them collisions. On being collided, asteroids break to small asteroids and from chips, dust etc. On being reduced in sizes, they all move for wider orbit. Strong white-matter rays of Jupiter drift away chips and dust. Chips and dust get trapped in the form of rings of the following planets and escaped chips and dust move for wider orbit as per their size and density. Big pieces formed from the asteroids also move for wider orbit; some of which are pulled by the Jupiter gravity which can not be drifted away by the rays of Jupiter. Rest of the escaped big, medium and small pieces find their place as per the situation.

Jupiter is becoming mightier and mightier by swallowing asteroids resulting in the gain of its gravity. On getting more gravity, it moves a little forward towards the Asteroid-belt to swallow asteroids thus to vanish rest of the asteroids. With the result, one day it would vanish all the asteroids of the Asteroids-belt then its (Jupiter's) eyes would be over the Mars and then over the Earth to swallow it.

4. How white-matter rays of Jupiter are affecting the asteroids?

World:

World has not understood white-matter rays thus does not know the answer.

Challenger: To understand the effect of white-matter rays, below stated some facts need their understanding:

Author had observed and concluded that:

- Under solar-system, big and denser asteroids are away from the Jupiter but lighter and small asteroids are towards the Jupiter. Jupiter is closer to the Asteroids-belt, its white-matter rays are thrusting the lighter/smaller sized asteroids toward the Sun but its gravity is pulling and keeping the larger and the denser objects towards itself. As the Jupiter orbits; Jupiter's presence upsets the solar-arrangement of asteroids, this action results in collision of some asteroids besides de-orbiting some asteroids from their prime track.
- De-orbiting results the movement of asteroids in an eccentric orbit.
- Collisions/impacts break up some asteroids and produce very small rocks and dust. These masses move for a wider orbits as per their reduced sizes.
- Collisions/impacts of the asteroids with each other do not produce glow like pulling of a object by a planet and merging into it, but collisions/impacts may be producing sparks. Impacts with each other are enough to break up the asteroid or chip off its some portions.
- Jupiter white-matter rays and its gravitational pull keep some groups of small-asteroids on its both sides and take these along while orbiting the Sun. These groups of small asteroids have been spotted by the World and are named **Trojans**. Trojan-asteroids which are orbiting (intends) to approach towards the Jupiter side could not orbit at their own by the thrust of Sun-rays because they are being stopped by the Jupiter's strong white-matter rays. Thrust of Jupiter rays keep them (Trojan-asteroids) hold at a distances which are approaching towards it but on the other side Jupiter holds Trojan-asteroids which are going away from it with its gravity and thrust of rays, these hold (bonded) group of Trojan-asteroids move along with Jupiter.
- Jupiter axis of rotation has a tilt of some degrees thus this tilt results in the tilt of white-matter rays' plane which passes through its equator. As the Jupiter orbits; said tilted plane of white-matter rays results in increasing the thickness of the Asteroids-belt-patch or forms a bulge over a part of the Asteroids-belt, which part of the belt is near the Jupiter. This factor further upsets the orbital movement of the asteroids by providing a swing to them which is inclined to some degrees to the plane of the Asteroid-belt. This situation develops more chances of the collisions.

5. Why the Astronomers could not spot the impacts of the asteroids with other asteroids due to the thrust by the white-matter rays of Jupiter?

Author had concluded that during the past, Astronomers had to do intensive search and wait for decades to spot an asteroid; even now it is not a very easy task for the Astronomers. So the Astronomers could not spot any impact caused by an asteroid with another asteroid; more over asteroids are not colliding head-on but are getting side impacts or mild-collisions thus are not emitting collision-flash. Astronomers might be able to notice collisions/impacts now after knowing this fact; by focusing their aim over the impacts between the asteroids caused by the thrust of white-matter rays from Jupiter.

6. With the passage of time, what would happen to the existing asteroids- belt?

Author had observed and concluded that the entire asteroids-belt would be wiped out by the Jupiter. Then the turn would be of the Mars and after this the Earth would be swallowed. And finally, the Jupiter after becoming bigger and stronger would call for a challenge to the weakening-Sun.

7. Jupiter is marching ahead towards the Sun but why its approach speed is slow?

Jupiter by swallowing an asteroid or any object gains mass thus gains its gravity. Increase in the gravity results for its forward movement towards the Sun.

Jupiter on swallowing an asteroid or any object gains mass thus gains its gravity. Increase in the gravity results to release some already trapped white-matter. So increased intensity of white-matter rays emitted by the Jupiter results for its backward movement (away from the Sun). After some period the effect of increased release of white-matter rays stops resulting to provide circumstances for its forward move by its increased gravity.

Had there been no release of white-matter rays by the Jupiter on sucking an object or an asteroid, Jupiter would have moved at much higher rate than it is a actually forwarding towards the Sun.

8. Densities of the asteroids:

World:

Wrong densities have been calculated by the World.

Challenger:

Densities calculated of the asteroids are also wrong, like false densities calculated of the planets as illustrated under the relevant chapters.

What are the Jupiter-Trojans (Group of asteroids)?

World:

What the World knows, read over the Internet.

Challenger:

Challenger has given below the explanation that what has formed Jupiter-Trojans. At present, he considered that there is no need to give explanation about the Trojans of other planets, like Neptune and mass because reason of their existence too is the same/similar.

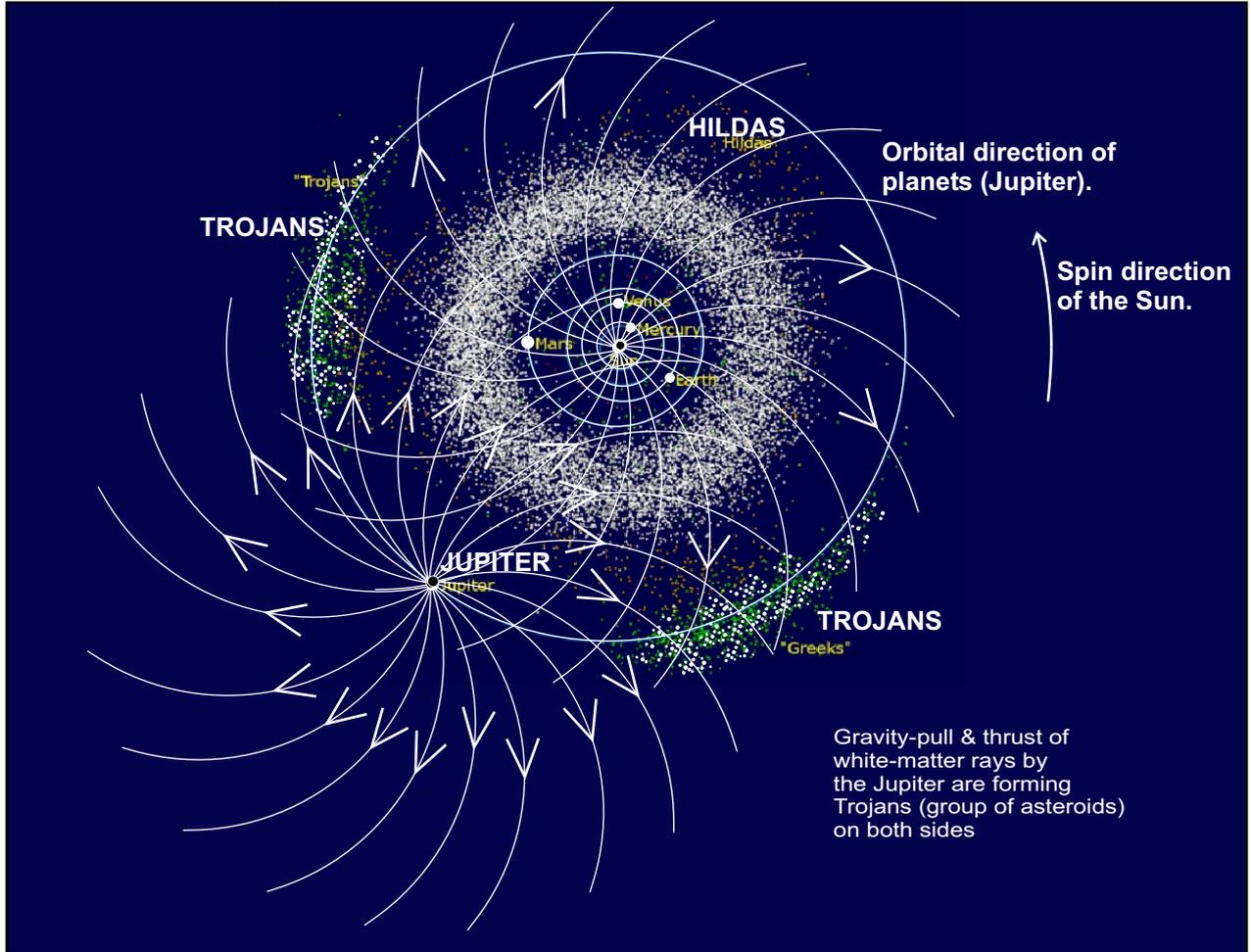
Jupiter-Trojans:

Definitely the World does not know correctly that what has formed Jupiter-Trojans (group of asteroids) on both sides of the Jupiter. Challenger has observed and concluded that Jupiter-Trojans have been formed of the small asteroids by the gravity-pull **and strong thrust by the white-matter rays of the Jupiter.**

Size of the asteroids in the Jupiter-Trojans would be almost the same or similar to asteroids of the Kuiper-belt which is far away after the planet Neptune. But the asteroids in Jupiter-Trojans can not be of the same density as that of the asteroids present in the Kuiper-belt. Asteroids of the Jupiter-Trojans must be of much higher densities than the asteroids of the Kuiper-belt; that is why Jupiter-Trojans asteroids are near the asteroid-belt than the Kuiper-belt.

In the absence of Jupiter, Jupiter-Trojans asteroids would be orbiting the Sun, like other asteroids of the Asteroids-belt, but by the existence of Jupiter with its high thrust rays Trojan asteroids which are orbiting (intends to orbit) to approach towards the Jupiter side could not orbit by the thrust of Sun-rays because they are being stopped by the Jupiter's strong white-matter rays. Thrust of Jupiter rays keeps them (Trojan-asteroids) hold at a distance which are approaching towards it but on the other side Jupiter holds Trojan-asteroids which are going away from it with its gravity and thrust of rays at a distance, these hold (bonded) groups of Trojan-asteroids move (orbits the Sun) along with Jupiter.

Rough sketch of Trojans has been exhibited as below:



KUIPER-BELT AND OORT-CLOUD:

Note: World knows much more about the Kuiper-Belt and Oort-Cloud than what has been stated here by the Challenger. Below is only, where the Challenger differs with the World or information is new observed, discovered and concluded by him. So for better and proper understanding also read, what the World knows.

World:

Brief information, what the World knows:

Kuiper-Belt: Small objects numbering in billions of size ranging from 2330KM (Pluto) to 100KM approximate KM of diameter are orbiting the Sun beyond the orbit of Neptune. These are composed of icy and rocky material. They all occupy a ring or belt surrounding the Sun. This ring of bodies is generally referred to as the Kuiper-Belt.

Oort-Cloud: The Oort cloud is the outermost zone in the solar system from where comets came. This zone exists beyond the Kuiper-Belt. Comets arrive in planetary zone from all directions, often from as far away as 100,000 AU (an AU, or Astronomical Unit is the mean-distance from Earth to the Sun). Pluto, which is in the Kuiper-Belt is at a distance of 39AU from the Sun.

Challenger:

World has not yet conceived most of the following queries as the Experts have not yet understood true basics of Astronomy and light/rays as a state of the matter.

Queries:

1. Why big bodies exist in Kuiper-Belt, bigger than existing in the Asteroid-Belt?
(Before answer, some facts need understanding).

Objects/bodies in Asteroid-Belt are solid rocky material of higher mean-density than the objects in the Kuiper-Belt. Objects/bodies in Kuiper-Belt are of low mean-density mostly composing of low-density solid core and icy-shell or gaseous-shell.

Objects/bodies in Asteroid-Belt and Kuiper-belt are not generating their own rays (white-matter).

Conclusion:

Most objects in Kuiper-Belt would be smaller than the objects of the Asteroid-Belt. But the objects in Kuiper-belt which are larger than the objects in Asteroid-Belt, they are in Kuiper-Belt due to their lighter shell composed of icy-mass and gaseous-mass over small lighter (less dense) material rock. Icy-shell and gaseous-shell result to give greater magnitude of thrust by the Sun rays due to its large surface area than the mass, thus these big size bodies are in Kuiper-Belt.

2. Would there be any big object/body or planet beyond Pluto?

Any object/body or planet beyond Pluto can only exists if it is generating its own rays or made of the mass lighter (less dense) than Pluto. There is no possibility of such body.

3. Why comets, which have large solid nucleus and total mass equivalent to most big objects or even of some small planets, exist beyond Kuiper-Belt; though they do not generate their own rays (white-matter) or may be generating very feeble?

Comets do not exist beyond Kuiper-Belt, the way other bodies/objects are existing in solar system. Comets are beyond the Kuiper-Belt or are in Oort-cloud-zone, because these big bodies (cores or nucleus) have been ejected with high-thrust to outer most solar-zone by the Sun strong rays' thrust on their visit to Sun. Comets would be in the Oort-cloud-zone till their speed reduces to zero or prior to reaching zero speed they get some mass added over them of ice or fine dust or any object to start again a visit to the Sun (By aiming the centre of Sun as their destination). In addition to the said factors, another major factor results for the journey of the comet i.e., when the comet is close to the outer most big planets their computed gravity triggers back journey.

It is the strong thrust of sun rays, which prevents the comets from plunging into the Sun (if the entire comet was made up of one solid mass, Sun rays would not be able to keep the comet away, it may get plunged into the Sun. A big solid and dense nucleus would also plunge into the Sun).

Comets get kick by the Sun-rays because of its loose mass. While approaching the Sun, its loose mass hides behind its nucleus which results to increase the speed but on return journey loose mass flares to act as parachute for getting an extreme powerful thrust (kick) from the Sun rays. This kick followed by continues thrust from Sun-rays drifts the comet in Oort-cloud zone.

4. How many number of comets are in the Oort-Cloud?

Experts have speculated their number to much extreme but whereas in actual, they can not be numbering so many because they (Comets) can not have a rest or stay at their home (Oort-Cloud). Further every Comet on its next visit does not come with the same mass, does not come from the same direction and also does not come after the same period, so Experts cannot distinguish the Comets, they just speculate.

5. Why some big solid asteroids bigger than asteroids of Asteroids-belt are in the Kuiper-Belt?

Big solid asteroids are in Kuiper-Belt due to their most eccentric-orbit. They are in the process of stabilizing. Once they are stabilized to some what circular orbit, there presence would not be in the Kuiper-Belt.

Pluto a giant body (formerly included in the list of planets) is in the Kuiper-Belt due to its eccentric orbit besides being its small solid core covered with icy mass (lighter substance) to form greater volume to have greater thrust from the Sun rays. Pluto is stabilizing its orbit towards the circular. In an attempt to do this, Pluto in future may emerge with the Neptune or would become an independent following planet after the Neptune by accumulating some of the mass from Kuiper-Belt like Neptune has become the planet after the Uranus.

6. Is Oort-cloud-zone the home of the comets only?

After the Kuiper-Belt, there is no empty-zone. After Kuiper-Belt, objects in the form of flat ring/disc around the Sun of small size, of less-dense-mass, dust, fine-dust and water vapors exist. Comets have to pass through these zones on their visit to the Sun and also while going back to their home (Oort-cloud).

7. What is the stay period of the comet at its home in Oort-cloud?

No comet can have rest at its home in Oort-Cloud; it has to go on moving away from the Sun because of the kick of sun rays or has to follow a repeated journey by getting some mass added over it on journey to home. A comet can not go on moving ahead away from the Sun because of the gravity factor between the Comet and the Sun and also gravity factor of outer most big planets. It has to follow a repeat journey at being balanced with the kick-force of the Sun rays and gravity factor, but before this factor comes, comet adds mass and starts its journey toward the Sun.

Comet on its return journey does not move away from the Sun with direction directly away from the Sun but adopts a computed-path like orbit and going away from the Sun (forming an arc as exhibited under chapter: COMET).



8. Why an individual comet does not have a fix home place in Oort-cloud?

Comet's journey to the Sun and back to Oort-cloud-zone depends upon the mass added or lost during the cycle. This is a variable factor, thus period of orbit varies. Further magnitude of the thrust (kick) by the Sun rays on its return journey as explained by the Challenger under the 'Comets' results to give a kick. This kick results to form track of the comet a loop-track as falsely understood by the Experts as orbit. Move of the comet in loop-track results it to appear from a different direction a different than from which it existed on its previous visit.



9. From where Kuiper-Belt and Oort-cloud got water (water-vapors and icy-mass)?

Water is the substance which was not formed during the formation of solar system; only the solids and gases were present when planetary system developed. Water was formed from the gases by the semi-live life over the Venus. Due to addition of mass, bit by bit, Venus approached towards the Sun and lost all its water and life. Heat generated the gases, resulting to develop thick atmosphere of gases (mostly of carbon dioxide) water on evaporation under heat by reacting with sulphur yielded sulphuric-acid as cloud of Venus.

Earth too is marching ahead toward the Sun like Venus has marched. Fate of the Earth too would be the same as Venus had passed through the cycle of formation of water and life and loss of water and life. How water has been formed over Earth (or over Venus)? Explanation is over the website.

