

# CHAPTER-10

## MISCELLANEOUS SCATTERED MASSES OF THE SOLAR-SYSTEM

### Highlights about the chapter MISCELLANEOUS SCATTERED MASSES OF THE SOLAR- SYSTEM in MATERIALISTIC UNIVERSE by Ramesh Varma.

**Note:** Chapter over MISCELLANEOUS SCATTERED MASSES OF THE SOLAR-SYSTEM 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.

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**By understanding unique property of light/rays, Challenger has been able to answer the following queries over the scattered masses of solar-system.**

- Why the meteorites which strike the Earth are rare?
- Meteorite from the Mars can not hit the Earth; why so?
- Meteorites/objects shed/dropped by the comets adopt circular orbital motion only after passing through a phase of wavy-swings; why so?
- Did hit of an asteroid with the Earth whipped out dinosaurs? No; dinosaurs have become extinct because of the Nature's principle as illustrated.

# CHAPTER - 10

## MISCELLANEOUS SCATTERED MASSES OF THE SOLAR-SYSTEM

### Miscellaneous scattered masses of the solar system:

Masses other than the planets and comets are in the Asteroid-belt and kuiper-belt; fine dust and water vapors are in the Oort-cloud. Oort-cloud also has some large objects and comets but their stay is temporary. Solar space also has some eccentric-asteroids. There are some miscellaneous scattered objects littered by the comets, the fate of which is governed by the thrust of white-matter-rays of the Sun. Because the World does not know the affect of white-matter rays thus Challenger has given some explanation over the scattered masses of the solar system in this sub-chapter.



### 1. Where do the small objects shed by the comets go?

**World:**

World knows its partial answer.

**Challenger:**

Small objects, called as meteors which the comet shed near the planetary zone, move for wider orbit by the thrust of Sun-rays. Some of which are attracted by the Earth's gravity which on entering to atmosphere burn by the friction with the air molecules. Rest of the littered small objects find their place as per their circumstances as already explained.



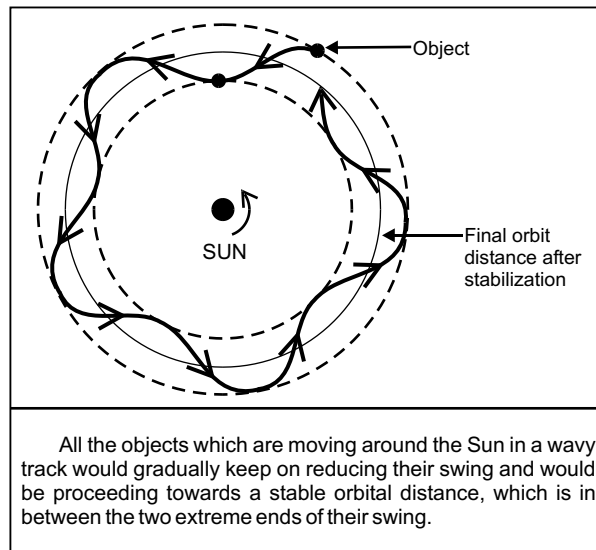
### 2. Where do the big objects shed by the comets go?

Comets rarely shed their big objects because of their high gravity pull and low thrust of Sun white-matter rays over big objects than small objects; however comets can sweep and take along such big masses on their journey.

Large masses by the comets can be shed only when their nucleus is split to two and both the nucleuses develop themselves as separated comets. Such situation can only arise very near the Sun and only incase the Sun white-matter rays thrust magnitude is so strong that the nucleus splits to two smaller nucleuses and they could not rejoin again after splitting. Such a situation could be rare; hence littered large meteorites are rare.

Because of the said reason our Earth is protected from strike by the big objects called meteorites thus we face occasionally any meteorite.

Big objects also move for wider orbit. Their destination and activity depends upon the speed at which the big object has been dropped by the comet. What so ever the speed, every shed big object crosses the limit of its orbital distance and starts swinging. After getting swings for years and years, it stabilizes to some extent to move in its orbit. Their orbital direction and pattern of swing would be as under.



All the objects which are moving around the Sun in a wavy track would gradually keep on reducing their swing and would be proceeding towards a stable orbital distance, which is in between the two extreme ends of their swing.



### 3. Could a meteorite from Mars land on the Earth?

It was published in a newspaper during the year 2005 (October) that Scientists have discovered from Antarctic a meteorite which had origin from the planet 'Mars'.

Author observed and concluded that no meteorite (from the Mars can land or come near the Earth. Reason of shedding any mass by the Mars and escaping to the space does not arise. Meteorite which the Scientists have discovered would be lifted from space (Asteroid-belt) and shed near the Earth by a comet. Discovered meteorite must be from the Asteroids-belt only, which is in between the Mars and the Jupiter and not from the planet 'Mars'.



### 4. What has whipped out dinosaurs?

(Did hit of an asteroid with the Earth whipped out dinosaurs?)

**World:**

FROM NEWSPAPER, YEAR 2001

#### THE SUDDEN EXIT

Dinosaurs ruled the Earth for about 150 million years and then they died out and mammals took over. Why did they die out? There are many theories. According to one, an enormous asteroid, approximately 8 km wide, hit the earth and the dust it raised blocked out sunlight for nearly three months. Temperatures dropped and plants died and as result, all plant-eating dinosaurs died. Flesh-eating dinosaurs became weak because of the cold and could not hunt and they too perished.

## FROM NEWSPAPER, YEAR 2000

THE country's first dinosaurium opened at Hyderabad's Birla Science Centre in July 2000. Its major attraction is a massive dinosaur fossil, 14.5 m long and 4.5 m tall, dating back 165 million years.

According to a report in the China Youth Daily which quotes an unidentified French scientist, dinosaurs were not wiped out by a meteorite as believed but by the large quantities of methane (CH<sub>4</sub>) they released into the air by breaking wind constantly.

The methane, said the paper, damaged the ozone layer. This brought about great changes in the vegetation. Consequently there was a food shortage and the dinosaurs starved to death.

## FROM ASTRONOMY MAGAZINE, YEAR 2010

## Mysteries' histories

.....Scientists recently solved one of the longstanding mysteries of planet Earth--- the dinosaurs' extinction.....

.....In the 1980s, scientists solved one of the long-standing mysteries of planet Earth and one of its most celebrated life-forms--- the dinosaurs' extinction. Geologists, planetary scientists and astronomers collaborated to show that a subsurface impact scar in the Yucatan Peninsula was the result of the so called K-T impact, the blow that killed the dinosaurs at the end of the Cretaceous period some 65 million years ago. Solving astronomical mysteries such as these not only enriches humanity's scientific knowledge, but it also reminds us how vulnerable we are to the quirks of the cosmos.

## Challenger:

The subject that what has whipped out dinosaurs is not the subject of the Astronomers or Geologists or of the Physicists. It is the subject of Biology but not of the Modern-Biologists, which would be understood after going through the illustration.

There are different theories about the extinction of the dinosaurs, but all theories/understanding are based over the reason which would not have its consideration after going through the fact as observed and concluded by the Challenger.

All the theories over the extinction of dinosaurs are based over the understanding that the dinosaurs have become extinct due to shortage of food by the reason one or another. The planet 'Earth' is facing cycle of extreme Hot-age and Ice-age (Explanation is over the relevant chapter: Weather cycle of extreme hot and cold has not whipped out total life from the Earth but has developed species from micro form to mammoth in sizes and power too by whipping/ weeding out the weakest/weaker. Hot and cold weather cycle kept/keep on varying density of vegetation/moving-life or the food over the Earth but weather cycle has developed dinosaur but not whipped them out.

Challenger observed and concluded something else based over the formation and extinction of life over the Nature's principle. Challenger has concluded that extinction of any specie can't be understood unless we understand its origination. So origination of dinosaur as per the Challenger's observation/ conclusion is as under: -

## Origination of the dinosaurs:

- During first stage of the development of the species which developed later to dinosaurs; consider a large lake that existed billion years ago surrounded by the vegetation life all around spread over miles and miles. Lake had a number of crocodiles. All the crocodiles in this large lake would not have behaved and lived in the same way. Some always remained at the centre, living over the fish. But great numbers of crocodiles must have lived near the bank of the lake. Among those, all would not have come over the Earth surface; some always had remained in the water. Those crocodiles who developed swifter to act and had become able to sustain their body weight without the up-lift by the water remained over the bank/beach. A stage developed, when their number grew and the bank of lake could not sustain them all.

- A second stage developed. Some crocodiles started living over the Earth, finding a rare opportunity to go again in the water due to over populated crocodiles in the lake. Due to no water buoyancy (up lift) such crocodiles developed stronger by facing gravity than those who were living in the water. By just crawling, they could not catch the prey. So, such 2<sup>nd</sup>-staged-crocodiles had to hide behind the bushes or tree trunks. They pounced upon the pray swiftly. To have a

swift pounce, their rear legs developed longer and stronger, so that swift motion at some angle say (30° to 45°) would be possible to catch-hold the prey by their mouth. Since the crocodiles from their origination used to catch the prey by their mouth, so they never attempted to hold or to catch the prey with their hands (front-legs). Thus front-legs shrunk or could not develop longer or stronger. At this stage, Now again their number increased and for their survival, they had to move far-off from the lake.

- Now a third-staged-crocodile developed. To get the prey, hiding behind the bush or tree-trunk would not remain a skill for the better and stronger developed crocodiles. Such crocodiles started running to catch the prey and were capable to chase them up to few meters.

- After this fourth-staged-crocodiles developed, which never hide but were roaming and were capable to run to catch the prey. For them a vast field opened with preys and preys all around. They started eating as much as they can.

- Now fifth-staged-crocodiles developed, called as 'Dinosaur'. By feeding well and running (struggling against gravity), they grew in size and started ruling the Earth.

### Another factor which compelled most of the crocodiles to come out of the water other than the population growth in the lake (water) and to develop them fearless and mighty?

When population of crocodiles in the lake swelled, they found shortage of the food (fish). (Generally no specie eats its own specie, but for **the survival** this rule is by-passed). For the survival, large-developed crocodiles started eating their own but distant-relative small or new-born crocodiles.

Some crocodiles had been forced to live over the earth to escape from the crocodile-eating crocodiles. This provided better opportunity to live with vast available prey over the land and also to find escape from the large crocodiles. Such migrated crocodiles over the land had no fear even from the land flesh-eating animals including lions etc because fear haunted in the mind (Genes) of all the land animals including lions etc about the crocodiles, because they all had to face them while going to the lake (water) to quench their thirst.

So the crocodiles that left the water developed stronger by the earth gravity and better developed due to **no fear** of any other specie of the land to become '**dinosaur**', the ruler over the Earth.

### Downfall era of the dinosaurs towards their extinction:

After millions of years a saturated stage in development of the dinosaur reached, beyond which they could not develop bigger and mighty due to the factor 'gravity' and by losing the speed race as compared to their preys. Due to the increased size (weight), their running speed slowed down, whereas the prey started running faster. Beside this, they (dinosaur) developed in great numbers and reduced the prey availability. The tempo of life on which principle, they (dinosaurs) developed took a reverse turn. Dinosaurs from producing and developing next generations bigger-and-bigger/ tougher-and-tougher/faster-and-faster started to produce generations weaker and further weaker. (Once this trend developed in generations, no one can uplift the race). A stage developed, when such big creatures could not produce the next generations as per the Nature's laws as stated under the relevant chapter(s) of the book YOUNG AT 100, hence they became extinct.

**Note:** Human too has started producing generations weaker and further weaker, thus human too is marching towards its end (extinction).

### Conclusion & the fact:

- Life has developed over the Earth from non-living matter by organizing matter to act as living creature to struggle against gravity and environment. Every species intends to develop powerful, bigger and mighty as per the path of its race adopted and wants to live longer. A stage comes when every specie finds extreme resistance to develop further as per its race adopted by the factors; gravity, environment and situation. At this stage, specie diversifies to develop to another specie. In case the diversion to another specie is bound to make it weaker or low grade specie, it (its mental state) starts producing weaker and further weaker its generations by adopting a path of extinction.

● Stated fact over this paragraph has no relevancy over the query but the fact concluded and stated here has the concern: According to the most Experts, comets on their collisions with the Earth had brought water over the Earth. Quantum of water suggests that million of comets would have hit the Earth in the past. A comet is much bigger and faster in speed too than the asteroid of 8 kilometer diameter that had hit the Earth, which as per the Experts had resulted to wipe out the dinosaurs. Comets which had hit the Earth to enrich the Earth with water would be keep on whipping out all life over the Earth and why had comets stopped hitting the Earth from the period of the formation of existing life over the Earth? This fact concludes that the hit of the asteroid would be responsible only for whipping out life from a specific area around the hit site but not from the globe (Earth). In fact the fact is that comets had not enriched the Earth with water and the said asteroid has not whipped out dinosaurs.

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