

A revolutionary theory on the origin of the Moon

Shahinaz Yousef

Astronomy, Space Science and Meteorology Department, Faculty of Science, Cairo University, Giza 1236 Egypt.

Abstract- So far, the theories of the origin of the moon are inadequate. There is no general agreement on any. This paper brings to light a simple outstanding idea. The sun and the moon were once binary stars. Mass transfer occurred with the present sun gaining mass from the other star. Actually, the entire envelope of the other star was transferred to the present sun leaving the core of this companion. It is this core that cooled off and ended up as our moon. The face of the moon was cooled off abruptly while the back of the moon cooled gradually. This made the back of the moon almost free from Marias. We have to invoke another very important concept. The earth was created as an orphan planet. The binary suns system captured the earth as a circumbinary planet. Following mass transfer, the hot moon was captured by the earth and was locked in such a way that its near side always faced the earth. With both of the sun and the shining hot moon, the earth experienced no night. The near side the moon was cooled off suddenly. This allowed night to occur on the earth. The far side of the moon cooled gradually and that made the observed discrepancy between the two faces of the moon. The very existence of He-3 on lunar surface, which is the product of fusion reactions inside the core of stars, is a clear-cut evidence that the moon is actually the core of a star. In addition, gamma ray photos of the moon show excessive illumination. This gamma ray is actually emanating from inside the moon as a byproduct of fusion reaction accompanying, He-3 production. An easy task to prove. In conclusion, When Armstrong stepped on the moon, he did not realize then that he actually walked on the cooled core of an ex star.

Correspondence Author – * shahinaz.mostafa15@yahoo.com

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1. INTRODUCTION

Real advancement in space and observational astronomy has expanded our knowledge of the universe. Among the recent achievements is the discovery of Rouge or orphan planets and planets around other stars through the Kepler mission.

Our present theories of the origin of the moon and the solar system have to be revolutionaries to coup with recent discoveries.

Although man has put his feet on the moon, no good theory on the origin of the moon has been put forward.

It is the aim of the present paper to put forward a new theory of the origin of moon and the solar system.

In the followings, steps for the formation of the solar system will be introduced.

- (1) The Earth,
- (2) Sun- moon binary system,
- (3) The planets,
- (4) Circumstellar disks around the solar system: The Oort, Kuiper belt, scattered disk and Asteroid Belt.

2. THE EARTH

It is proposed that the earth originated at first as an orphan planet. Rouge or orphan planets are planetary-mass objects thought to have formed in a similar way to stars. According to David J. Stevenson (1999), a rouge planet can have water oceans.

Several orphan planets have so far been discovered. The latest is WISE 0855–0714, which has been discovered in 2014 [Clavin *et al.* (2014)]. Its mass is 3-10 Jupiter mass and is located at 7.1 light years.



Fig. 1. Mass transfer in a binary system forming accretion disk.

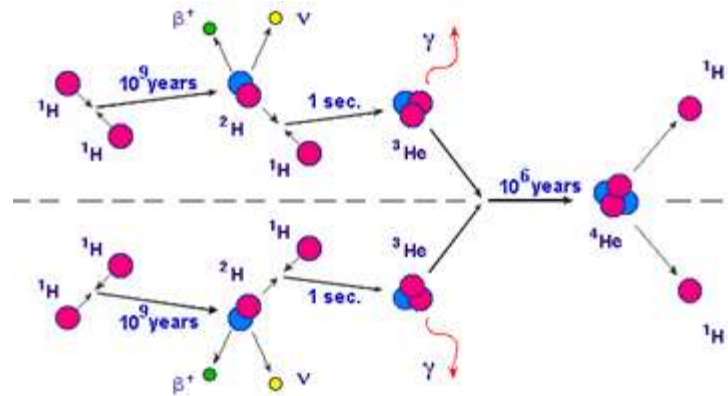


Fig. 2. Illustration of fusion reaction inside the core of sun like stars after Thomson (2008).

3. SUN-MOON BINARY SYSTEM

The present sun-moon was initiated as binary stars. Mass transfer occurred with the present sun gaining mass from the other sun. With total mass transfer of the envelope of the other star two consequences occurred. The other star was left over with a bare hot core. With a great loss of mass, it was captured by the earth and locked with one face always facing the earth.

This near side face was somehow abruptly cooled off. This allowed night to occur on the earth. The far side cooled off gradually.

It is the difference in the cooling mechanism of the two faces of the moon which led to distinct difference in their appearance.

4. EVIDENCES THAT THE MOON IS ACTUALLY THE CORE OF A STAR

Fusion reactions within the core of sun-like stars can be illustrated as follows.

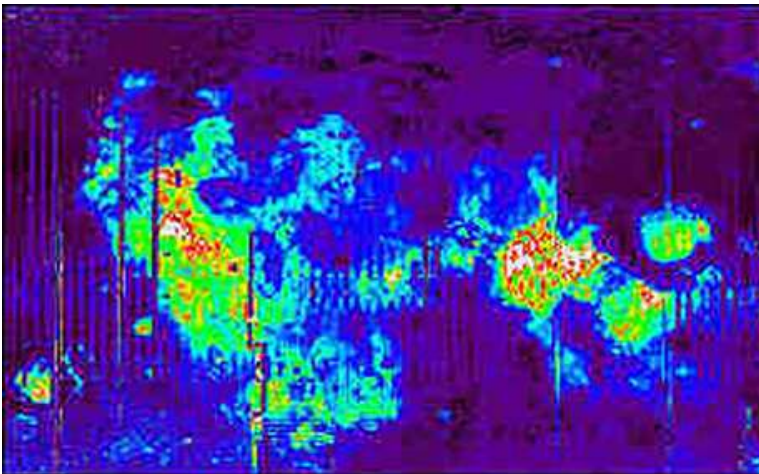


Fig. 3. Map showing the concentration of He- 3 on the near side of the moon. There is a coincidence between dark lunar Marias and locations of He- 3 on lunar near side surface (Earth link)

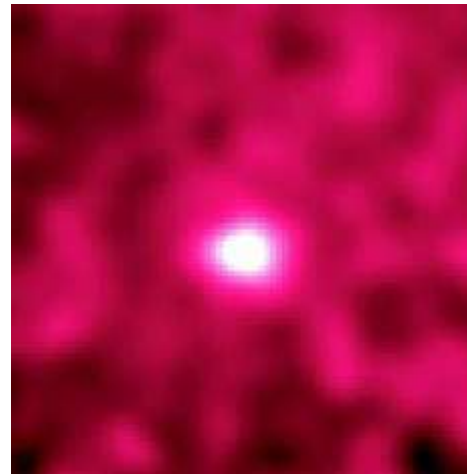


Fig. 4. The Moon as seen by the Compton Gamma Ray Observatory, in gamma rays of greater than 20 MeV.

Hydrogen fusion leads to the formation of helium-3 and the emission of gamma rays. Sudden cooling stopped the process leaving enhanced abundance of He-3 on the regolith of the moon. Map of the surface of the near side of the moon is produced in fig 3.

The other product of the fusion reaction within the lunar body when it was a star is gamma rays.

What is very surprising is the gamma ray photo of the moon shown below.

This gamma ray is the remnant of the fusion reaction inside the core of the moon when it was a sun.

Eventually, He-3 and gamma rays on the moon are of lunar origin not of solar wind or cosmic ray origin. Had they been due to solar wind or solar wind interactions with the moon, these phenomena would be observed on Mercury and Mars.

The hot envelope of the binary star adjacent to its core (which formed the moon) was captured by the sun. It formed the hot corona of the sun. This gives a reasonable explanation for the problem of heating of the solar corona.

The so called the lunar ionosphere which is a mystery, could be the remnant of lunar outer envelope when the moon was a sun.

5. THE PLANETS

Other orphan planets were captured by the sun. They reflected solar light and became ornaments of the solar system. There is also a possibility of forming some planets from circumprimary disk around the sun.

6. CIRCUMSTELLAR DISKS AROUND THE SOLAR SYSTEM (THE OORT, KUIPER BELT, SCATTERED DISK AND ASTEROID BELT)

Other orphan planets were captured by the sun. They reflected solar light and became Circumprimary disks were formed around the sun. It may be suggested that such disks are captured by the primary from the secondary star via mass transfer.

- (1) Circumstellar disks around the Solar System;
- (2) Asteroid belt;
- (3) Edgeworth-Kuiper belt;
- (4) Scattered disk.

Öpik-Oort cloud / Hills Cloud, only the inner Oort cloud has a toroid-like shape. The outer Oort cloud is more spherical in shape.

What is remarkable is that the Oort cloud which can be considered as the protective boundary of the solar system is one light year from us.

7. CONCLUSIONS

This paper has introduced a new concept on the creation of the solar system that can be summarized as follows:

- (1) The earth was an orphan planet.
- (2) Two suns were created in a binary system. The earth rotated around both suns with no night possible in analogy of Kepler satellite discovery of Tatooine-alien-planets-two-suns.
- (3) Mass transfer between the two suns with the present sun gaining mass from its companion forming Circumstellar disks around the sun.
- (4) With the secondary star losing all of its envelope, only its very hot core was left. The light core was thus captured by the earth and locked in such a way that only one face was kept towards the earth.
- (5) This near side of the hot core was cooled abruptly and became dark allowing night to occur on the earth.
- (6) The far side was left to cool gradually.
- (7) It is the difference in cooling procedure that made a distinct appearance between the near and far sides of what became the moon.

- (8) The sudden cooling of the near side of the core of the secondary companion brought the fusion reaction to a halt leaving He-3 abundant on the core's surface at the locations of cooling.
- (9) Gamma rays were locked within the core.
- (10) The circumprimary disk around the sun formed the followings:
- The inner terrestrial planets. In addition, more orphan planets were captured by the sun.
 - The inner very hot envelope of the secondary star is captured by the sun and formed the hot corona; this procedure gives an explanation for the difficult problem of coronal heating.
 - The asteroid belt was formed.
 - Kuiper belt, Scattered Disk objects were put in place.
 - And finally, all the solar system was enveloped in the sphere of Oort cloud at one light year.

We stress here the fact that the moon is actually the core of the companion of our sun. The very existence of He-3 in its regolith to the extent that mankind is hunting for it as a safe nuclear energy producer is a clear evidence of its mysterious origin.

In addition, the emission of an excessive flux of gamma rays coming out of its interior rather than by cosmic ray interaction with the lunar surface is evidence.

We advise new lunar missions to explore more of the present theory and we are sure of the positive feedbacks.

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