

Time Travel and the Thousand Piece Jig-Saw Puzzle with Stellar Metamorphosis

Jeffrey J. Wolynski

Jeffrey.wolynski@yahoo.com

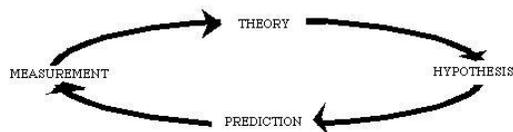
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Abstract: It is proposed that we can travel through time by using good theory, but not the time travel that is represented in Hollywood. To do this we must use our common sense and good theory. Since the universe recycles itself constantly and is eternal, we can find objects that exist and time periods that are very similar to our own past and are good analogs to our future.

It is accepted in the astrophysical sciences that there is no way to look at the Earth's past, except for protoplanetary disk theory. They reject any theory that does not force spherical objects to form from disk shaped beginnings, which is really strange as it ignores how the material lost its angular momentum. They claim disk shaped objects form spherical objects, but provide nothing to explain why. Not only that, but ignore the pesky issue of angular momentum loss. Why does the Sun possess so little angular momentum and the majority of the mass of the solar system, yet the outer objects so much angular momentum and very little mass in comparison? This issue is completely ignored by the academics, because it completely destroys all their disk to sphere theories. The solution is easy. Spheres retain their spherical shape as they evolve. Spherical, young and hot stars cool and shrink becoming spherical, old, cool stars, called "planets". They were never mutually exclusive. This being said we really can understand the puzzle. The pieces are all available. So the reader is made aware, this is not obvious to academics.

Our understanding of the origin and evolution of the solar system is still very limited. Ideas about how the solar system formed are still not thoroughly tested - there is no single theory that explains it all. Progress is made by cycling through the scientific process of hypothesis, prediction, measurement, theory, hypothesis....



How do we explore the solar system's early history? We cannot go back in time. It is a bit like trying to build a 1000 piece jig-saw from the 5 pieces you find lying under the table, after the cat has chewed them. It is not quite so bad if we insist that the solar system evolved according to the laws of physics and chemistry--this limits the set of all imaginable histories, but there is still a lot of guess work to be tested before we can really talk about a real **theory** of solar system formation.

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<http://lasp.colorado.edu/~bagenal/1010/SESSIONS/11.Formation.html>

To look at Earth as it was many billions of years in the past, all we have to do is look up on a clear dark night. Not only that, but we can even see Earth's that are intermediate aged as well even in our own solar system. Even more so, we can go into the future many billions of years and look to see what will happen to Earth. Venus is the next step when Earth dies. After Venus stage, the outer mantles will be ripped away and the core will take up more and more of the density of the object and will resemble Mercury. Because the cores of Mercury and Earth are roughly the same size, it should be made apparent that Mercury was once the size of Earth, as it would take the same energy to have formed such a massive core. Not only that, but since Mercury was the same size as Earth, it was also vastly larger as Earth was. It is the very old dead remains of a star vastly older than Earth, and Earth is the remains of a star vastly older than Neptune, and Neptune is the remains of a star vastly older than Saturn, and Saturn is the remains of a star vastly older than brown dwarfs, and brown dwarfs are the remains of stars vastly older than red dwarfs, and red dwarfs are the remains of stars vastly older than the Sun. We have all the puzzle pieces right in front of our eyes. We can time travel in ways not even Einstein could predict with special relativity. The Galaxy is much more majestic than we could have ever imagined. So when you look out at night, and you see those little pin-points of light in the sky, remember, you are not only looking at them as they were due to light taking time to reach your eyes, but you are looking at what was. You are looking at a young, hot Earth very, very early in its evolution. When you see Venus bright in the sky, you are looking at what will become Earth, a hostile world, too hot on its surface, with no water, will become the fate of the Earth. What this means is that we are going to leave Earth eventually and become interstellar explorers. It is our destiny. There is no getting around it. Death, taxes and humanity as interstellar explorers. The mission now of astronomers should be filling in the gaps in the diagram below. This is what the 1,000 piece jig-saw puzzle will look like, give or take a little tweaking and readjusting.

