Space

by Chris Hirschhorn

Our Universe's SUN is approximately 6 thousand 500 light years away. This means that what we view is 'our SUN' as it was approximately 6 thousand 500 years ago. In order to see today's SUN, we'll have to live approximately another 6,500 years. By the way, '6,500 light years', a measure of distance, is about 6 trillion miles. (I mean, suppose you looked in a mirror and your reflection was as you looked 50 years ago, not as you see yourself today. Too mind-boggling!)

Our SUN is our Universe's KITCHEN. Its cooking function produces, from its hydrogen molecules: helium, oxygen, sulfur, carbon, lead and all the other elements except Gold, Silver and Uranium. These 3 elements are created, along with Stardust, at the death of a Star.

Nuclear fusion is the Sun's melting and bonding function, which produces heavy metals like LEAD. Nuclear fission is the Sun's splitting function, which produces lighter metals like COPPER. All this occurs in our Sun's KITCHEN.

So much energy in our Sun is produced from X-Rays, Gamma Rays, Radio Waves and other waves that neutrons and protons evolve and are smashed and smashed and smashed with such force that electrons evolve and elements are produced.

Before the invention of telescopes, Astronomers charted the heavens looking through the Earth's atmosphere with their own eyes.

And in 1054, Chinese, Arab and Japanese Astronomers witnessed the explosion of a star. Astronomers call a star explosion event a supernova. The Crab Nebula is a remnant of the 1054 supernova.

Now a supernova leads to a star's death and hence, looking on the bright side of things, it leads to the creation of uranium, gold and silver. Science tells us that everything on Earth is made from Stardust – including evolved flora, fauna and mankind.

Since our atmosphere is so dense with 'dust' particles, our telescopes are built on top of high mountains such as the telescope at Moana Kia on the Big Island of HI and ALMA the telescope in the Chilean Andes at 16,000 ft.

Then came the invention of the Hubble Telescope, which was placed in orbit via a space shuttle in 1990, to avoid Earth's dirty atmosphere. It was designed to be serviced in space by Astronauts and it has been. Its views are sent to NASA periodically.

And that's enough for today's gulp of Space science.