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On Astrophysics and C-14 Archaeological Methods

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Abstract

Based on the historical viewpoints and our published viewpoints, and also adding some deeper insight, in this paper new explanations are given to the Solar system and the Galaxy. We also clarify the prevalent theory of matters to indicate that the method of dating ancient sites with carbon-14(C-14) is invalid.

Keywords: astrophysics, earth, sun, moon, planets, solar system, galaxy, neutron, carbon, proton, electron

§1. The Solar System

In §4 of [L], New's "law of gravitation" is suspected. Here we note that in an English book(the author is not a Chinese people, and the book was published outside China), the author pointed out that Newton once forged observed data between the earth and the moon to support his "law of gravitation". But without the conception "attraction force"(here we mean the gravitional field, which is different from the earth's gravity field), how to explain daily astronomy phenomena around us? Our viewpoints are as follows.

The earth would be static, and moreover not only the earth, the moon, but also the other eight planets do not have either rotation or revolution, and instead everyday the sun moves spirally and quickly around the earth. This agrees partially to the opinions of the Bible, the ancient Chinese, Aristotle(Greece), Ptolemy(Greece) and Tycho Brahe(Denmark). Indeed by the more accurate observations, Tycho Brahe(1546-1601) already objected the heliocentric theory of Copernicus(1473-1543), and instead Tycho Brahe believed that the sun would move around the earth. Please note:

(a)Tycho Brahe once pointed out the two paradoxes of Aristotle(thus objecting the possibility of the earth's rotation), and that the heliocentric theory violates the experience of human beings;

(b)The only notable evidence of the earth's rotation is the famous experiment of "Foucault pendulum", whereas we think that this experiment neglects either the influence of the earth's varying magnetic fields at different places, or the fact that the earth is not a standard ball(which means that its gravitational acceleration may not be exactly the same at different places).

From our theory, Rutherford's theory on the structure of an atom is obviously absurd, as we revealed in §1 of [L](indeed [L] said that a single atom does not exist).

Of course, it still remains to explain the true reason for the rule of the varying of temperature at different places of the earth from spring to winter, perhaps the temperature of the local atmosphere changes naturally according to the seasons.

By assuming that both the earth and the moon are static, it is natural to ask as why the moon and other stars can be seen everywhere on the surface of the earth. For this the reason is the reflection ability of the atmosphere, for the sun shines the moon, and then the reflected light of the moon(the same as the light of the remote stars) reaches the atmosphere of the earth, and the atmosphere reflects the light to atmosphere of other places which makes the stars can be seen. But the sun-light itself is too strong to be reflected to other places by the atmosphere of the earth.

Kepler's three laws(published in 1609 and 1619) about the solar system obviously violated the geocentrism theory, and they are not convincingly, because Kepler(1571-1630) might modify the observed data originally due to Tycho Brahe. But undoubtedly Kepler's theory influenced Newton(1643-1727), who introduced the so-called "law of gravitation".

§2. The Galaxy

Those stars of the galaxy would not be the same things as the sun, and they are too remote to influence the fate of the solar system, as well as the other more remote stars observed via the Hubble space telescope. In §3 of [L] we point out that those "black holes" would not exist, duo to our negation to Einstein's theory of general relativity. We think they are mysterious things(such as UFO, unidentified flying objects), which means that essentially they cannot be recognized by human beings.

According to the Bible, the earth is the center of the universe. It remains to check the true masses of the other planets and the sun. We think that the other planets all have smaller volumes and masses than the earth. It is important to measure the true path of moving of the sun by experimental observation. We think that the universe itself assigns everything in the sky, for example by using the notion "attractive force" we cannot explain the movement of the Halley Comet(which will come back in 2061) and those "minor planets".

The observed "red shift" phenomenon of the remote stars cannot be explained similarly to the usual phenomena as we can observe on the earth, and thus from it we cannot get the cosmic expansion and the big Bang theory.

§3.It is unscientific to date antiquities with carbon-14

According to the theory I published, the prevailing atomic physics is wrong. There are no single atoms, protons, neutrons and electrons. The order of a substance in the periodic table of chemical elements is in accordance with the order of "atomic weight" from small to large. "Atomic weight" is not the mass of an atom, but the characterization of each different substance measured by a specific method. The correct understanding of phenomena in the micro world can only comes from various experiments and intuitive experiences.

C-14 is a radioactive substance, but it cannot be used to determine the age of the article. According to current methods, it is not only impossible to accurately know the half-life of carbon-14, but also because the decay rate of the substance is uneven from the surface to the inside. The decay rate may also be related to the scale of the test article, and these microscopic factors cannot be mastered by people. Therefore, it is unscientific to use carbon-14 to date ancient objects and establish mathematical formulas. Our opinion negates that of a Nobel Chemical Prize Winner of 1960 (Willard Frank Libby).

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