

# The Ordovician Hammer

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**Abstract-** Transposition in conservative fields reaches its full potential in case that is unexplainable for any well-established theory. There are a number of phenomena and findings in various areas of science that stays in disagreement with those theories. Number of them were analyzed and described in this paper. Additionally, reason for Z-Process and its consequences in the galaxy scale was given.

**Index Terms-** The Ordovician Hammer, Z-Theory, Transposition, Milky Way Galaxy, Time-Shift Effect.

## I. INTRODUCTION

Transposition showed a number of unusual phenomena in the Lajamanu incident<sup>1</sup>. In that case, three main components of gravitational influence on the gravitational field of the Earth were analyzed. That influence is responsible for development of 72 year long circle of “unusual” event and its six year internal steps. However, there is more powerful source of the gravitational field and gravitational influence that is responsible for existence of more “incredible” events of the ocean and phenomena found in the geological strata of the Earth.

## II. THEORETICAL APPROACH

Each object located at any point in the Universe has some interaction with a number of conservative fields. Under usual circumstances, the most obvious conservative field among any others is conservative field of gravitation. There are large numbers of celestial bodies, which produce gravitational fields. Those are asteroids, planets, stars and galaxies. According the Newtonian Law of gravitation each bit of matter has some power to create the gravitational field. That field increases its power according to the mass of an object. As a result, each celestial body with a large mass has strong gravitational field.

An object with a relatively small mass moves through that field keeping interaction with the gravitational field. That is the usual way of motion for celestial bodies. They use gravitational field of a heavier body to make its motion by elliptical trajectories around that body. That law makes possible all visible and detectable motion of each body in the Universe. Hence a natural satellites of planets move around they host planets, planets move around their host stars and stars themselves move around the core of a galaxy forming a galaxy itself.

Period of revolution of celestial bodies depends on two factors. Those are mass of the host body and distance between the host body and its satellite. That correlation is well known as third Kepler's Law. “The squares of the sidereal *periods* (of revolution) of the planets are directly proportional to the cubes of

their mean *distances* from the Sun.”<sup>2</sup> That law was formulated for the Solar system and, obviously, is applicable for any star-planet system. As soon as the mass of the Sun is *constant*, each planet has its specific *sustained* period of revolution around the star. Those are well known aspects of celestial mechanics.

## III. TRANSPOSITION IN CONSERVATIVE FIELDS

According to Z-Theory there is another chance to make relocation in a conservative field. The object should have a little mass relatively to a celestial body to use that way. In that case, an object is unable to change a gravitational field and follows the most fundamental law of physics. That is law of *conservation*.

That way of relocation has a distinctive name – Transposition to be *distinguishable* from any other way of *motion*. Transposition and many related phenomena were described in details in papers entitled ‘Gravitational fields and Transposition in Australian authenticated case’<sup>3</sup> and ‘Motion and Transposition in conservative fields’<sup>4</sup>. The first paper describes in details phenomena of object relocation by Z-Trajectory in the gravitational field of the Earth and influence of the other large planets on that process. The second article mentions a way of relocation that includes *Time-Shift Effect* that was clearly observed in Boeing 727 incident. Z-Trajectory depends only on a number of gravitational fields of celestial bodies that have enough masses to make influence on the gravitational field of the Earth *at the first and the end point of Z-Trajectory*<sup>5</sup>.

Both papers describe physical phenomena that depend on the relative position of celestial bodies. In Australian case (Lajamanu incident)<sup>6</sup>, recurrent phenomena shows the correlation with strong 72 year circle which was called Great Australian Double Event Circle (GADEC). “The great circle mentioned above has a duration for 72 years (2010 – 1938 = 72). It includes two half-circles with duration for 36 years each. First half-circle has one occurrence of the phenomenon at the last year of that half-circle. Second half-circle has two occurrences of the phenomenon at the last year of that half-circle *and six years before*.”<sup>7</sup> Moreover, it shows the relationship with one complete revolution of the Earth itself at each occurrence of that phenomenon.

Hence, GADEC shows the relationship between three main components of the gravitational field that makes the event

<sup>2</sup> **Kepler's laws of planetary motion.** (2008). Encyclopædia Britannica. *Encyclopaedia Britannica 2008 Deluxe Edition*. Chicago: Encyclopædia Britannica.

<sup>3</sup> See source [4].

<sup>4</sup> See source [5].

<sup>5</sup> See source [4] for more details.

<sup>6</sup> See source [4] for more details.

<sup>7</sup> See source [4].

<sup>1</sup> See source [4]

possible. Those are gravitational fields of the Earth, the Moon and the Sun. The longest period of phenomena appearance (72 years) depends on motion and location of the other planets of the Solar system and their periodic influence on the gravitational field of the Earth. That entire good and well, *but* according to the theory of gravitation, there is *one more component* that makes significant impact on the gravitational field of the Earth. That is gravitational attraction *between the Solar system and the Galaxy*.

#### IV. THE FOURTH COMPONENT

According to the modern astronomical data we accept the following information about the galaxy with name 'Milky Way'. "*Milky Way Galaxy* is a large spiral system consisting of several *billion stars*, one of which is the Sun. It takes its name from the Milky Way, the irregular luminous band of stars and gas clouds that stretches across the sky. Although the Earth lies well within the Galaxy, astronomers do not have as clear an understanding of its nature as they do of some external star systems. A thick layer of interstellar dust obscures much of the Galaxy from scrutiny by optical telescopes, and astronomers can determine its large-scale structure only with the aid of radio and infrared telescopes, which can detect the forms of radiation that penetrate the obscuring matter."<sup>8</sup>

"The most distant stars and gas clouds of the system that have had their distance determined reliably lie roughly 72,000 light-years from the galactic centre, while the distance of the Sun from the centre has been found to be approximately 27,000 light-years."<sup>9</sup>

"Since the direction of the centre of the Galaxy is well established by radio measurements and since the galactic plane is clearly established by both radio and optical studies, it is possible to determine the motion of the Sun with respect to a fixed frame of reference centred at the Galaxy and not rotating (i.e., tied to the external galaxies). The value for this motion is generally accepted to be **225 km/sec** in the direction  $L^{\text{II}} = 90^\circ$ . It is not a firmly established number, *but it is used by convention in most studies*."<sup>10</sup>

Modern astronomy has unique units of length that are comparable to the distances in the Universe between its objects (stars and galaxies). Those are a light year and a parsec. "Light-year in astronomy, the distance traveled by light moving in a vacuum in the course of one year, at its accepted velocity of 299,792,458 metres per second (186,282 miles per second). A light-year equals about  $9.46053 \times 10^{12}$  km ( $5.878 \times 10^{12}$  miles), or 63,240 astronomical units. About 3.262 light-years equal *one parsec*."<sup>11</sup>

<sup>8</sup> **Milky Way Galaxy**. (2008). Encyclopædia Britannica. *Encyclopædia Britannica 2008 Deluxe Edition*. Chicago: Encyclopædia Britannica.

<sup>9</sup> **Milky Way Galaxy**. (2008). Encyclopædia Britannica. *Encyclopædia Britannica 2008 Deluxe Edition*. Chicago: Encyclopædia Britannica.

<sup>10</sup> **Milky Way Galaxy**. (2008). Encyclopædia Britannica. *Encyclopædia Britannica 2008 Deluxe Edition*. Chicago: Encyclopædia Britannica.

<sup>11</sup> **Light-year**. (2008) Encyclopædia Britannica. *Encyclopædia Britannica 2008 Deluxe Edition*. Chicago: Encyclopædia Britannica.

"As we can see, the size of the galaxy and the surrounding space is so tremendous that it needs to be scaled only in terms of the appropriate measure units. Usual length units used for measuring the size of the Earth, and the distance between points on its surface are absolutely useless on the scale of the universe. Nevertheless despite the universe's size any physical principles keep their power at any point of space, helping us to understand distant events as well as near ones.

"According to the Sun's velocity around the galaxy's center and its distance from the galaxy center, it is quite possible to calculate the period of time that the star takes for one full revolution. Here and later I refer to that period of time as a *Sun Galaxy Year* (SGY) (Star Galaxy Year in general condition).

"*Sun Galaxy Year calculation*. To simplify the following calculation, I use the notion of *Star Light Velocity Rate* (SLVR). It shows how many times the speed of the star is less than the speed of light. For the Sun moving around the galaxy center, we have the following value.

$$299,792,458 \text{ [m/s]} / 225,000 \text{ [m/s]} = 1,332.4 \quad (1)$$

"Hence, the Sun moving with its current speed covers a distance equal to 1 light-year in 1,332.4 years (because its speed is 1,332.4 times less than the speed of light).

"The full length of the Sun's galaxy orbit can be calculated as the length of a circle with radius equal to the distance between the Sun and the galaxy center.

$$L = 2 \cdot \pi \cdot r = 2 \times 3.14 \times 27,000 \text{ [light-years]} = 169,560 \text{ [light-years]} \quad (2)$$

"Therefore, the time of SGY can be easily calculated by multiplying the length of the Sun's orbit in SLVR.

$$\text{SGY} = L \times \text{SLVR} = 169,560 \text{ [light-years]} \times 1,332.4 = 225,921,744 \text{ [years]} \quad (3)$$

"For further references I use SGY as **226 million years** ( $2.26 \times 10^8$  years).

"Therefore, every 226 million years the Sun takes the same position relative to the galaxy center. If the orbit of the Sun is not an exact circle and forms an ellipse close to a right circle's distance from the galaxy center, it varies slowly on a scale of millions of years. In that case the  $S_g^{12}$  produced by the galaxy at each point of the Sun's location has the same variation in time and adds various values to the full  $S_g$  calculated at each star's location (galaxy influences). Those values count again and keep equally within each full circle of the Sun's motion (SGY) in each location."<sup>13</sup>

<sup>12</sup> That is a value of gravitational field.

<sup>13</sup> Source [1], pages 177-178 (in book reference 15.1.10 – 15.1.13)

That is the *fourth component* of the gravitational field that affects the gravitational field of the Earth with the slowest rate that is equal to 226 million years. The gravitational field of the galaxy establishes the same value each full SGY because the Solar System restores its location relatively to the galaxy center once a SGY.

V. THE MAIN SUN GALAXY YEAR SEQUENCE (MSGYS)

As soon as the Solar system reaches the same location each SGY, gravitational interaction between each body of the Solar System and the galaxy becomes equal to the same value *that was one SGY before*. As a result, Z-Trajectories between those locations become possible to exist<sup>14</sup>. That possibility leads to the appearance of some physical interaction between extremely distant points of the Universe. Z-Trajectories become responsible for that interaction. Separation of those points is ever equal for the *duration of one full SGY*. The following table shows that sequence of points and potential events related to each of them. All data are given in million years.

Tab.1

The Number of SGY	Common time	Geologic time			Name of the Period
		From	To	Duration	
1	226	251	199.6	51.4	Triassic Period
2	452	488.3	443.7	44.6	Ordovician Period
3	678	900	540	360	Late Proterozoic Era
4	904	1,600	900	700	Middle Proterozoic Era
5	1,130				
6	1,356				
7	1,582	2,500	1,600	900	Early Proterozoic Era
8	1,808				

This table shows clearly that. Each SGY’s step has the same *duration* that is equal to 226 million years. Each SGY begins at the exact point, lasts for 226 million years and ends with the beginning of the new SGY. *These points are shown in the table.*

Hence beginning of the first SGY was *226 million years before the present time*. That point locates in the Triassic Period which begins 251 million years ago and ends 199.6 million years ago. The next SGY begins 226 million years earlier and its start point locates as far as 452 million years before the present time. That is some point located in the Ordovician Period. That period begun 488.3 million years ago lasts for 44.6 million years and ends 443.7 million years before present time<sup>15</sup>.

As well as in Lajamanu incident, Z-Trajectories in the galaxy scale are able to appear only between two points located at the

same distance from the major sources of the gravitational field. In Lajamanu case, those were gravitational fields of the Moon, the other planets of the Solar System and the Sun. As a result, phenomena itself appears only in the points which have the same value for each gravitational field at both points<sup>16</sup>. In that case, Conservation Law is applicable for *Transposition between those points* as well as for each gravitational field and their combination.

In the Lajamanu case, appearance of a fishes in the sky (from “nowhere”) was a result of Transposition by a Z-Trajectory<sup>17</sup>. Is there any other fact of the same strange appearance of a fish? Is it possible to see a fish that used a Z-Trajectory that begins 226 million years ago and ends today (or some years ago)? If the galaxy has the same value of gravitational influence on the Solar System each 226 million years circle, we should be able to see exceedingly strange phenomena of appearance of extremely strange objects in modern times. Those objects belong to *the deep past* of the planet, but able to appear today by means of Transposition by Z-trajectory. Do we have any evidence of such possibility? Certainly we have it! An unusual fish with name *Coelacanth* supports that possibility.

VI. THE TRIASSIC PERIOD AND Z-PROCESS

“Coelacanth is any of the lobe-finned bony fishes of the order Crossopterygii. Members of the related but extinct suborder Rhipidistia are considered to have been the ancestors of land vertebrates. In some systems of classification, the coelacanths and rhipidistians are considered separate orders, members of the subclass Crossopterygii.

“Modern coelacanths are deep-sea fishes of the family Latimeriidae. The name refers to their hollow fin spines (Greek: koilos, ‘hollow’; akantha, ‘spine’). The modern coelacanths are bigger than most fossil coelacanths and are powerful predators with heavy, mucilaginous bodies and highly mobile, limblike fins. They average 5 feet (1.5 m) in length and weigh about 100 pounds (45 kg).”

“Coelacanths appeared about 350 million years ago and were abundant over much of the world; the genus *Coelacanthus* has been found as fossils in rocks **from the end of the Permian, 245 million years ago, to the end of the Jurassic, 144 million years ago**. *Coelacanthus*, like other coelacanths, showed a reduction in bone ossification and a general trend toward a marine mode of life away from the earlier freshwater environment.

“It was long supposed that coelacanths became extinct about 60 million years ago, but in **1938** a living member (*Latimeria chalumnae*) was netted in the Indian Ocean near the southern coast of Africa. Rewards were offered for more specimens, and in 1952 a second (named *Malania anjouanae* but probably not separable from *Latimeria*) was obtained from near the Comoros Islands. Several others have been caught in that area. It was later discovered that these fishes were well known to the islanders,

<sup>14</sup> See source [5] for more details.

<sup>15</sup> All information about *Geologic Time* is given according to Encyclopaedia Britannica. *Encyclopaedia Britannica 2008 Deluxe Edition*. Chicago: Encyclopaedia Britannica, 2008.

<sup>16</sup> See source [4] for more details.

<sup>17</sup> See source [4] for more details.

who considered the flesh edible when dried and salted; the rough scales were used as an abrasive.”<sup>18</sup>

The beginning of the first SGY (226 million years ago) coincides with the period between 245 million years ago and 144 million years ago. Hence, Z-Trajectory in the galaxy scale is possible to make Transposition between *that point* (226 million years ago) and *present time* because those points use the same location of the Solar System relatively to the galaxy core and *the gravitational influence of the galaxy on the Solar System at both points has the same value*. That is the same point of location of the Solar System in the galaxy relatively to the immobile frame of reference bound to the galaxy core. As a result, we have direct support for the possibility of Transposition for an object by Z-Trajectory because of the appearance of Coelacanthus in the modern times. In that case, a fish becomes an object that was subjected for Transposition. Moreover, the analysis of the situation with a netted fish leads us to the following disagreement of facts.

“It was long supposed that coelacanths became extinct about 60 million years ago”, and it was correct. Moreover, that is still correct because the presence of live coelacanths does not mean their surviving for the last 60 million years. The First reason for that is the absence of necessary natural circumstances for their survival. In other words, nobody explains the unique features of the region where coelacanths “inhabit” today. There is also *no explanation* for how that species stayed unchanged for about 60 million years.”<sup>19</sup>

“More than that, there is a controversy ... for the phrases “It was later discovered that these fishes were well known to the islanders, who considered the flesh edible when dried and salted”<sup>20</sup> and “Rewards were offered for more specimens, and in 1952 a second (named Malania anjouanae but probably not separable from Latimeria) was obtained from near the Comoros Islands”. Is it likely that one had to be hunting for 14 years – with “offered rewards” for “well-known” fish that “were well-known to the islanders” – before another specimen was found? That is impossible from my point of view because no islander would be able to survive on any island with such a poor hunting skill.”<sup>21</sup>

The answer on all those questions about the fish is that. *Fishes do not inhabit any region*. They are only appearing there from time to time. Obviously, islanders are able to net those fishes in some period after their appearance. That coincides exactly with description of the Lajamanu incident. In that case, many fishes appear in the area that cannot be “inhabited” with those fishes any way. In the Coelacanth case, fishes appeared in the watered area and become able to survive for some time.

Moreover, there is some physical connection between Lajamanu case and the first netted Coelacanth. That is year of **1938**.

<sup>18</sup> **Coelacanth**. (2008). Encyclopaedia Britannica. *Encyclopaedia Britannica 2008 Deluxe Edition*. Chicago: Encyclopaedia Britannica, 2008.

<sup>19</sup> Source [1] page 161 (in book reference 14.3.25)

<sup>20</sup> See quotation 16

<sup>21</sup> Source [1] page 162 (in book reference 14.3.30)

According to the essay titled ‘Gravitational fields and Transposition in Australian authenticated case’<sup>22</sup> there is Great Australian Double Event Circle (GADEC) with following parameters.

Tab. 2.

1872; 1878; 1884; 1890; 1896; <b>1902</b> ; 1908; 1914; 1920; 1926; <b>1932; 1938</b> ;	Circle A
1944; 1950; 1956; 1962; 1968; <b>1974</b> ; 1980; 1986; 1992; 1998; <b>2004; 2010</b> ;	Circle B
2016; 2022; 2028; 2034; 2040; <b>2046</b> ; 2052; 2058; 2064; 2070; <b>2076; 2082</b> ;	Circle C

The last known Lajamanu incident happened in 2010. That is the last year of 72 year circle (GADEC). According to calculation, previous circle of GADEC has the last year in **1938**. In other words, the first Coelacanth was netted in the year that coincides with the last of six year step of GADEC (Circle A). That is another prove for gravitational influence on any phenomena that have connection with Z-Trajectories.

The next year of Coelacanth netting is 1952. That has not perfect compatibility with steps of GADEC. However, we need to remember that. A fish is not a stone that keeps its location at the same point ever. A fish moves and survives in the natural environment for some time. As a result, a fish that was netted in 1952 can be relocated by Z-Trajectory in 1950 and remain in the natural environment for two years (from 1950 to 1952). There was not any Transposition for any Coelacanth between years 1938 and 1950. Hence, they *had no chance to catch a Coelacanth between those years*.<sup>23</sup>

According to Z-Theory, any object that was involved in Transposition by Z-Trajectory spends an remarkably short time for that process. Z-Transposition-Time (ZT-Time or Duration of Z-Transposition) can be calculated by the following equation<sup>24</sup>:

$$T_z = \frac{2 \cdot L}{V} \quad (4)$$

In equation (4) the variable  $T_z$  is time of transposition (Duration of Transposition),  $L$  is the maximal length of a moving object in the direction of motion, and  $V$  is its velocity. That is minimal possible time for relocation in HE-Space<sup>25</sup> for an object.

Suppose a Coelacanth moves forward with the speed of 3 meters per second. Its length is equal to 1.5 meters<sup>26</sup>. Hence, ZT-Time for that fish becomes equal to:

$$T_z = \frac{2 \cdot 1.5}{3} = 1 \text{ sec.} \quad (5)$$

<sup>22</sup> Source [4]

<sup>23</sup> For more details see chapter 14.3 ‘Z-Sectors and the Surface of the Earth’ from the source [1].

<sup>24</sup> Source [5]

<sup>25</sup> For more details see source [1], page 63 (Chapter 9. Neighborhood of Zero).

<sup>26</sup> See above

In other words, a fish spends only 1 second of its life to use Z-Trajectory. Hence, a Coelacanth appears today in the same condition that it had 226 million years ago (those are the same fishes). Any other fishes from that point that used different trajectory (RW-Trajectory in terms of Z-Theory) appear today only in the form of fossilized skeletons because they used full duration of SGY (226 million years) to appear today. That is the same phenomenon that was clearly observed in *the case of Boeing 727 incident*<sup>27</sup>.

In that case, Time-Shift Effect appeared as the difference in readings of all onboard clocks (and watches) and all Earth-bound clocks (and watches). That difference was equal for 10 minutes (*in that particular case*). In Coelacanth case, *the same phenomenon* makes tremendous value of Time-Shift Effect. As a result, difference in readings between an “Earth-bound clock” and a “Coelacanth-Bound clock” becomes colossal. In the given case, that difference becomes equal to 226 million years (duration of one full SGY).

#### VII. “HORRORS” OF THE ORDOVICIAN PERIOD

As it mentioned above, Z-Trajectories are able to appear between any numbers of full revolution of the Solar System around the galaxy core. In that case, each full SGY has a potential to show some relationship with present time. The relation between the beginning of the first SGY and present time can be clearly seen in Coelacanth case.

That case, as well as Boeing 727 incident, shows Transposition that brings objects to the “Future” relatively to their usual position in the Universe. Theoretically, Z-Trajectory has not any limitation in the *direction* of that relocation. In other words, it is possible for a Z-Trajectory to make relocation of an object in the backward direction, or to the “Past” relatively to the original location of an object. That is possible because an object that uses Z-Trajectory follows Conservation Law both ways. In case of such Transposition, a contemporary observer finds “modern” objects in geological strata that coincide with the *Main Sun Galaxy Year Sequence*. Do we have any evidence about that process? Certainly we have it!

“The fossilized 'London Artefact' has gained notoriety in recent years following its display in an exhibition of *anomalous artefacts* in the year 2000. It is a perfect example of *the anomalous nature of some archaeological discoveries*. On the one hand, we are presented *with a hammer, clearly of human design*; While on the other hand, it is embedded in a rock found in a region formed of predominantly *cretaceous rock* (The rock was found in June, 1934 sitting loose on a rock ledge beside a waterfall near *London, Texas*.)”<sup>28</sup>

At the first glance on that message, it looks like a joke for everybody who shares conceptual framework of *liner nature of Time and its Physical existence*. In that framework, any object is

able only to move in *one direction of Time* and never uses opposite direction of motion in time (against Time Line)<sup>29</sup>.

However, according to Z-Theory such Transposition is likely. Moreover, the Ordovician Hammer is the best physical evidence for such possibility. It used some Z-Trajectory that brings the “device” to the beginning of the Second SGY i.e. *452 million years ago*, but *the same physical process* (Z-Process in terms of Z-Theory) was used for relocation.

“The sandstone, within which the hammer has become embedded, was dated by Dr A. W. Med of the *British Geological Research Centre*. The Hammer is identical to commonly used 19<sup>th</sup> century miners hammers, of American provenance.

That is a brilliant observation. Later, it meets one strong counter-argument from the physical evidence. “A recent radiocarbon-dating test was performed on a sample of wood removed from the interior of the handle. The results showed inconclusive dates ranging from the present to 700 years ago.”<sup>30</sup> That is key indications about the artifact. We need to remember basic aspects of radiocarbon-dating to understand the importance of that data.

“Carbon-14 dating also called *radiocarbon dating*, method of age determination that depends upon the decay to nitrogen of radiocarbon (carbon-14). Carbon-14 is continually formed in nature by the interaction of neutrons with nitrogen-14 in the Earth's atmosphere; the neutrons required for this reaction are produced by cosmic rays interacting with the atmosphere.

“Radiocarbon present in molecules of atmospheric carbon dioxide enters the biological carbon cycle: it is absorbed from the air by green plants and then passed on to animals through the food chain. Radiocarbon decays slowly in a living organism, and the amount lost is continually replenished as long as the organism takes in air or food. Once the organism dies, however, it ceases to absorb carbon-14, so that the amount of the radiocarbon in its tissues steadily decreases. Carbon-14 has a half-life of 5,730 ± 40 years – i.e., half the amount of the radioisotope present at any given time will undergo spontaneous disintegration during the succeeding 5,730 years. Because carbon-14 decays at this constant rate, an estimate of the date at which an organism died can be made by measuring the amount of its residual radiocarbon.

“The carbon-14 method was developed by the American physicist Willard F. Libby about 1946. It has proved to be a versatile technique of dating fossils and archaeological specimens *from 500 to 50,000 years old*. The method is widely used by Pleistocene geologists, anthropologists, archaeologists, and investigators in related fields.”<sup>31</sup>

<sup>29</sup> Source [7] eliminates physical existence of time. Physical Definition: Time does not exist (and never existed) as a physical property of the Universe. (from source [7])

<sup>30</sup> Source [3]

<sup>31</sup> **Carbon-14 dating**. (2008) Encyclopaedia Britannica. *Encyclopaedia Britannica 2008 Deluxe Edition*. Chicago: Encyclopaedia Britannica, 2008.

<sup>27</sup> See source [6] for more details.

<sup>28</sup> Source [3]

As it mentioned in the quotation "It has proved to be a versatile technique of dating fossils and archaeological specimens from 500 to 50,000 years old.", In other words, the same technique is *inappropriate* to make any measurement outside of that period. Hence, we have two possibilities for all number of facts. First option means that the hammer is originated from 19<sup>th</sup> century, but in that case the artifact could not be *embedded* in the Ordovician rock.

Second option means that the hammer was originated in 19<sup>th</sup> century, and later (after its creation), used Z-Trajectory that leading to one of the points of the Main Sun Galaxy Year Sequence. In case of the artifact, that point becomes the point of the beginning of second SGY located 452 million years ago. After Transposition, an object restores its interaction with the surrounding Universe and becomes indistinguishable from the other objects in its new location. The best example of that situation is Lajamanu Case. As soon as fishes restore their interaction with the Universe (as soon as they leave Z-Trajectory), they use their natural behavior. They fall as any other object in the gravitational field of the Earth.

In case of the artifact (as soon as it left Z-Trajectory), it falls down, as well. Moreover, its new location becomes equal to the location of some stratum that made its formation in the Ordovician Period. As a result, the artifact was embedded in the Ordovician rock as well as any other object that fall on the same strata that time. All of them have been made formation of the Ordovician Stratum.

Later, the artifact was left in the same stratum for 452 million years until it was discovered. The wooden handle of the artifact had location in the same stratum for the same duration (452 million years). As a result, *radiocarbon dating* becomes incomparable with any sample from the handle because that technique is unable to make any measurement for any sample that is older than *50,000 years*. Hence, radiocarbon dating mentioned above for any sample from the handle was unable to provide any accurate result. In case of that explanation, all facts become clear and consistent with each other.

Any attempt to create an explanation of that artifact in the conceptual framework of *liner nature of Time* ever fails because it causes many contradictory "explanations". One of them is that. "It was soon pointed out by the geologist NCSE researcher John Cole that minerals dissolved from ancient strata can harden around a recent object, making it look impressive to someone unfamiliar with geological processes. He said of it:

"The stone is real, and it looks impressive to someone unfamiliar with geological processes. ***How could a modern artefact be stuck in Ordovician rock?*** The answer is that the concretion itself is not Ordovician. Minerals in solution can harden around an intrusive object dropped in a crack or simply left on the ground if the source rock (in this case, reportedly Ordovician) is chemically soluble (Cole, 1985)."<sup>32</sup>

The main aspect of speculations mentioned above is the question of possibility: "*How could a modern artefact be stuck in Ordovician rock?*" The mind that shares the conceptual framework of *liner nature of Time* has no chance to see another interpretation of the phenomenon and reach the correct answer on the question. Moreover, it is quite possible to make estimation of probability of occurrence of the event if Transposition has casual nature. In that case, Transposition from the present time to any other point of time in the 'Past' has the same probability. We can calculate it mathematically by the usual way:

$$P_C = \frac{D_o}{D_G} = \frac{44.6}{2,500} = 0.01784 \quad (6)$$

In the equation,  $D_o$  is the duration of the Ordovician Period,  $D_G$  is the duration of all known geological periods from the beginning of the Early Proterozoic Era (in million years, see tab.1). Obviously, it is a small possibility to be treated as a casual one especially in the case of given explanation according to calculation based on the SGY duration.

#### VIII. THE POSSIBILITY OF EXISTENCE FOR OTHER PHENOMENA

The explanation, given above, shows the possibility to explanation of existence of many "unusual" objects which were found in geological strata. Each object that used Z-Trajectory that has its last point on the Main Sun Galaxy Year Sequence can be found as an "out of place object". Physical interaction of those objects with the other objects ever goes usual way without any uniqueness at the points of their new location. Obviously, an Ordovician stratum is unable to "understand" that a hummer is a man-made artifact. Only the human mind makes distinguish between something that *was* in the Ordovician period and something that *appeared later*. That is the human way of thinking and nothing more. In other words, the human mind is unable to "adjust" physical reality of the Universe to the human way of thoughts. As a result, evidence that stays in contrary to the accepted conceptual framework has enormous potential to give way for new theories and a new level of consciousness for the human mind.

According to calculations shown above, there is a possibility to fund many objects, which were originated at the last one million years of the Earth's history, in the geological strata of the Main Sun Galaxy Year Sequence (see tab.1). The Ordovician hammer is one of them.

All those objects have the same characteristics. They were originated later than the geological stratum that holds them. Moreover, remnants of the biological objects become possible to be found in the same geological strata because Z-Process has not any preference in transposition of a biological objects or inanimate things. All such remnants have the unique property. *They are incomparable with Carbon-14 dating because of their long existence in a geological stratum.*

For example, imagine anyone has found a human skull in a stratum of Middle Proterozoic Era. That Era has three points of the Main Sun Galaxy Year Sequence (904, 1,130 and 1,356

<sup>32</sup> Source [3]

million years ago). Probability of such an event is three times higher than the same probability for Ordovician Period because that period has the only one point of the MSGYS (452 million years ago). That skull cannot be analyzed by Carbon-14 dating because *the duration* of its existence in the geological stratum exceeds maximal period that is *appropriate* for that method (50,000 years, see above).

Moreover, existence of such skull means not any disagreement with the Theory of Evolution because the owner of the skull was not a member of “a human population” of the Proterozoic Era. He was the only one instance of a man who was subjected for Transposition to a point located in the MSGYS.

The same way is likely to the appearance of many man-made artifacts in the same geological strata. All of them should be objects that are able to survive in the natural environment for millions of years. For example, suppose an aircraft was subjected for Transposition and was relocated to a point of the MSGYS. Suppose also that Transposition used the same way like transposition of the Ordovician hammer. As a result, the aircraft appeared at the same point of the MSGYS, and its *remnants* would be found later in the same geological stratum (Ordovician Stratum). Remnants of elements like an engine (massive elements made of alloyed steel), bullet proof pieces of the cockpit glasses, the golden watch of the pilot, his bracelets of gold and rings as well as the pilot’s skull should be found later at the same location as a result of tragedy happened in the deep Past.

## IX. CONCLUSION

Usually, the Human Mind uses facts and observations to develop an explanation of natural phenomena. Many observations and experiments maintain the same conceptual framework that becomes dominated one for many years until new observations and facts show weakness of the early conceptual framework. As soon as it happened, new theories and explanations for new phenomena appear. They broke limitations of the early conceptual framework and manage the Human Mind another way.

This paper gives theoretical support for many phenomena of the deep past that cannot be explained in the conceptual framework of 20<sup>th</sup> century (and entire history of mankind). The greatest limitation of that framework was the question of so called Time that could not be solved for centuries. Z-Theory exceeds that barrier and gives the possibility to the Human Mind to learn and explore some areas that were hidden for humans for many centuries. *That is the upcoming paradigm shift.*

Ironically, something like that was predicted many centuries ago. The famous Mayan calendar reaches its end in this year. Obviously, that means not any catastrophe for the humankind by any natural disaster. The change should be greater. It will happen soon in the Human Mind and becomes the first step in the way of

new science that will be free of the greatest hindrance and delusion of *Physical Time*.

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