

Doubt everything. Find your own light,

- Buddha.

10. THE “ABC” STRUCTURE OF COINCIDENCES.

As we know from our general theory of the signature, the signature must contain information, otherwise it is not a signature. Every signature that we humans know about is written in a language, typically we have words that consist of letters. So if PLuto is indeed a signature, something must be written there. On its surface ? In English, Chinese and this third language ? Rosetta Stone kind of information for translation of the language, in order to communicate with the Creator ?

Definitely, without the information encoded in a signature, the signature does not make sense. So, is there information or not ?

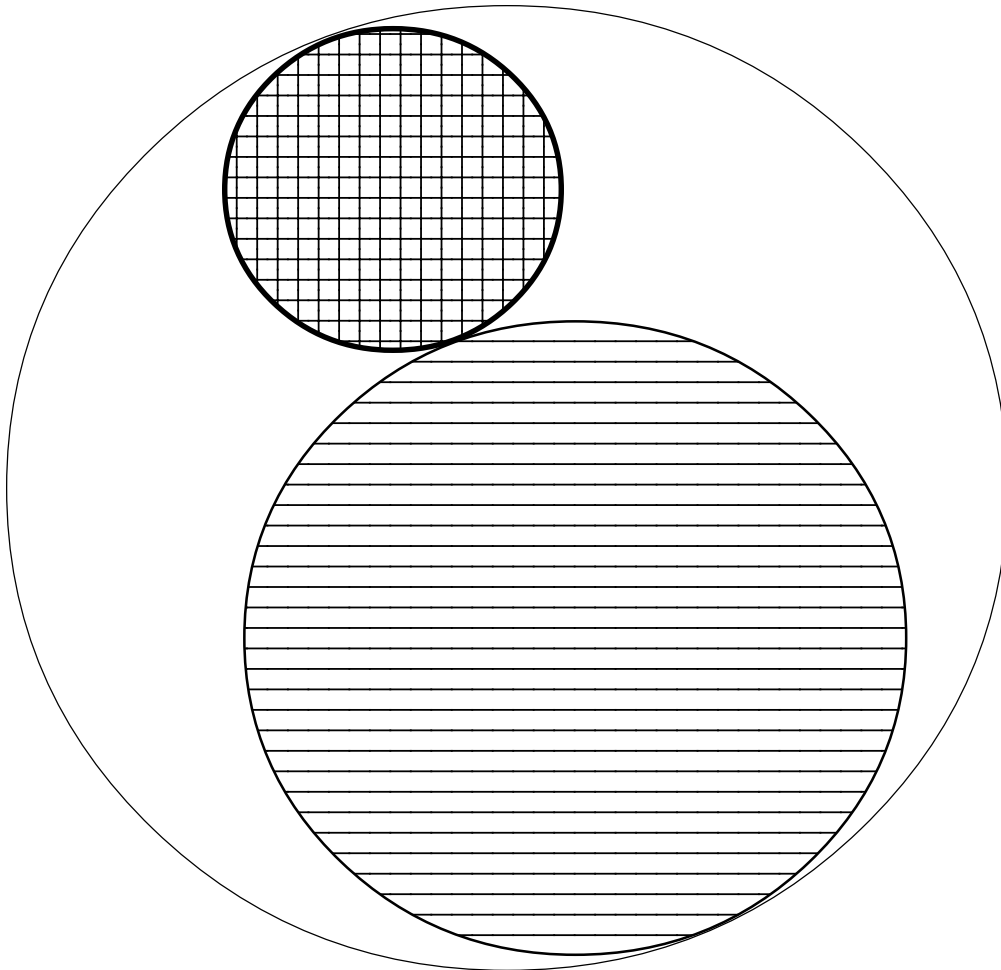
There is no way that we can find something written in any human language there. In my opinion at the point when the Solar System got created, there was no Chinese or English in use, because there was no need. The only universal language of the Universe that we live in is mathematics. So if something is there, it is in mathematical relations. Of course it is possible that Pythagorean Theorem is geometrically illustrated on the surface of PLuto, we will not know that as long as there is no planetary probe sent into vicinity of PLuto (10 years I guess). I for one doubt that there is something like that on the surface, the fact is however that big white and dark spots were observed on the surface by Hubble Space Telescope, so who knows ? If there is supposed to be something encoded, it should be something visible, and understandable for ... us humans I guess.

So, is there something encoded in mathematical formulas then ? Yes, there is. I briefly described that earlier in the book, now I will say a few more words.

The diameter of PLuto plus the diameter of its moon Charon are exactly equal the diameter of the Moon. The mathematics is as follows, Moon's diameter (3474.8 km) is more or less equal PLuto's diameter (2274 +/- 16 km) + Charon's diameter (1172 +/- 26 km). If Moon's diameter is equal 100%, then PLuto's and Charon's diameters combined are equal 99.2% +/- 1.2%. It is still possible then, that the match is 100% and we will not know that for next few years. The first PLuto space probe will give us the answer. How good is the coincidence ? Please take any two other moons in the Solar System (from different planets if you wish), and try to be as close to the diameter of the Moon as possible, but please no combinations of a very big and a very small moons (this is easy, because of the big number of small moons). Here is the illustration, in order to visualize the match. The match is this good, that if the circles were drawn on the Moon in Earth's sky, the naked eye would not see the error.

The human eye is only able to distinguish two points as separate points , if the angular distance between them is not smaller than one arcminute. If the distance is smaller the two points will look for the human eye like one point. The error around 1.2% described above is equal $26 \text{ km} + 16 \text{ km} = 42 \text{ km}$. The size of the Moon in the Earth's sky is equal around 30 arcminutes. So the error in size 1.2% is an equivalent of around 0.3 arcminute. This is far below the limit of detection for the human eye. So as I said, the error would not be visible for the human eye, if circles were somehow “drawn” on the surface of the Moon. Please try to look at the diagram with three circles from the distance of 10 meters. I bet that you will not see the error.

THE 'B' COINCIDENCE



On the diagram the big circle represents the Moon (the diameter size 3474.8 km). We know exactly the size of the Moon. So the line of the circle representing the Moon is very thin, this represents almost no margin for an error.

The smaller circle shows Pluto (size of the diameter 2274 km +/- 16 km). Since we do not know exactly the size of PLuto today, the line is thin. The line represents (to scale) the error of today's knowledge (+/- 16 km).

The smallest circle shows Charon (size of the diameter 1172 +/- 26 km). The considerably thick line (to scale) shows the big margin of the error of today's knowledge (+/- 26 km).

In relative numbers, if the size of the diameter of the Moon is equal 100%, then the combined diameters of Pluto and Charon are equal 99.2% and the total error (16km +26km) is equal 1.2 %. In such a case the perfect match is still possible (min. 98%, max. 100.4%) based on our today's knowledge. The described coincidence of sizes I call the 'B' coincidence.

So by pure coincidence it just happens that the size of PLuto combined with the size of its moon, is more or less equal the size of the Moon. So what? Is that all ? Please wait, do not try to laugh me out yet.

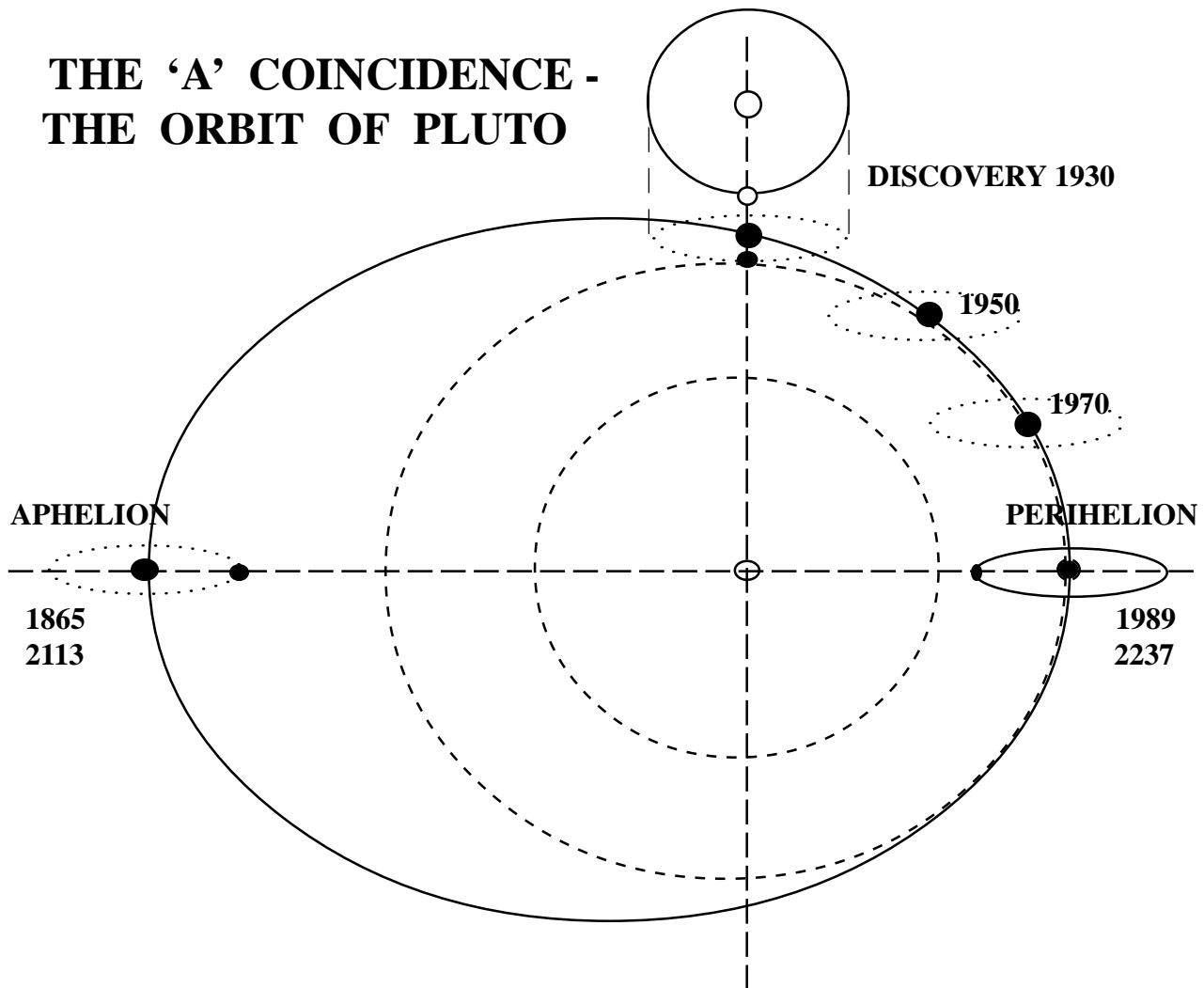
There is more. Again, it just “happens” that the mutual eclipses of PLuto+Charon take place when PLuto is at its closest to the Sun point, called perihelion. A few words of explanation, that I owe here, in order to make it clear. As we know all planets go around the Sun on orbits, which are more or less circular, but sometimes not very circular. As I stated earlier, PLuto is a record holder here with a very elongated ellipse. As a result, PLuto changes its distance from the Sun during its 248 years long period, from minimum distance around 30 AU, to maximum distance around 50 AU. Just a few years ago, PLuto passed through its closest point to the Sun called perihelion. This happened on September the 5th, 1989.

PLuto rotates around the common center of gravity in PLuto+Charon system, like its moon Charon. The orbit of Charon around the common center of gravity is more or less circular, we do not know that exactly today. What we know however, is that every half period of the PLuto’s rotation around the Sun, that is every $248/2 = 124$ years there are eclipses that can be observed in the PLuto+Charon system. The eclipse season is a few years long, and the last one had just been finished a few years ago. The last eclipse season took place between 1985 and 1991, this points to the center of the eclipse season around October or November 1987 (equinox on PLuto). We did not see eclipses very precisely, the Hubble Space Telescope was not ready. Assuming 1.83 years of difference between the time of the perihelion and the moment of maximum eclipses (equinox), we have a coincidence. The eclipses happened, when PLuto was at its closest point to the Sun, with the accuracy around $1.83/124$ (half of the time for one rotation of PLuto around the Sun), that is 1.48%. Here is an important thing that should be clearly marked; the orbit of PLuto and Charon around its common center of gravity, and the orbit of PLuto+Charon system around the Sun have nothing in common. I mean that one is not dependant on the other. The coincidence is a pure coincidence of two independent facts.

So far two coincidences for one little PLuto and its moon, the first one with accuracy around 1% (maybe much better), and the second one also around 1%. Please keep in mind, that both coincidences are related to PLuto and its satellite Charon. The combination of two coincidences, which are clearly not dependant one on the other is 1% multiplied by 1%, that is around 0.01% or 1/10000. This looks better I guess. We can say here, that the probability of such a combined coincidence is around one to ten thousands. In other words, two separate unrelated coincidences are pointing to PLuto+Charon system , as something special.

A few important words about the origin of the PLuto+Charon pair. It is now believed that this binary world at the end of the Solar System was created as a result of a big impact. Long time ago, probably around the same time when the Earth+Moon system was created, the collision took place. ProtoPLuto was hit by a large object, probably the size of its moon Charon. After the collision the scattered debris, a result of the collision of two objects, were gravitationally condensed back to spherical shapes. The binary system was created. What is so special about that ? The process of creation of satellites by collisions of giant objects is not very common in the Solar System. To be precise it is very rare. Typically satellites are born together with planets in the process of slow gravitational condensation from the dust cloud. It is believed that most of the satellites of big Jovian planets (Jupiter, Saturn, Uranus, Neptune) were created this way. Another way is to capture passing by objects by planets, so that they become moons. Examples: two small satellites of Mars, and Triton the satellite of Neptune.

THE 'A' COINCIDENCE - THE ORBIT OF PLUTO

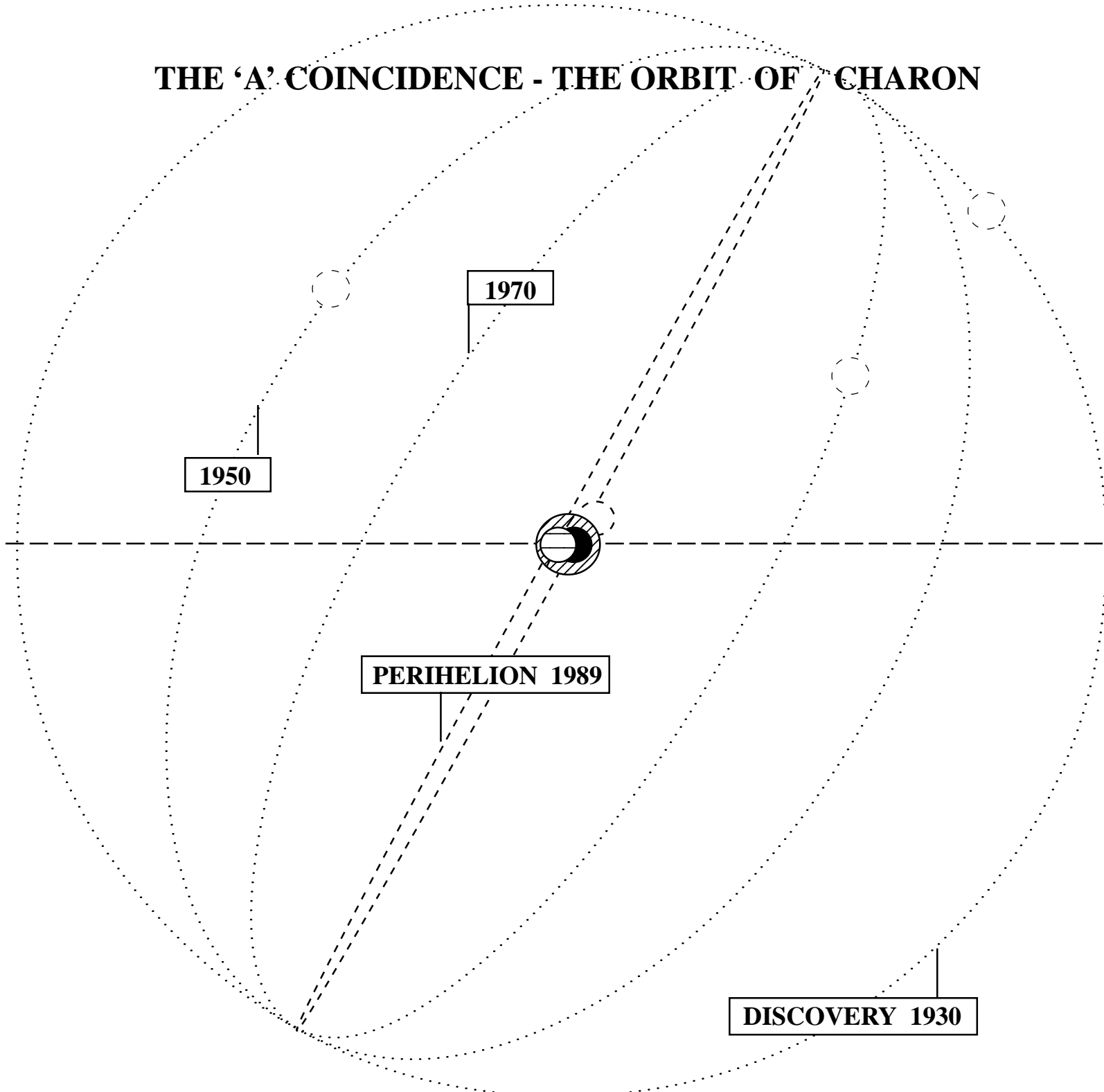


The elliptical orbit of PLuto around the Sun is shown here, together with position of the Sun, (where two lines cross each other). The very, very small circle in the centre represents the orbit of the Earth, which is almost circular when compared to PLuto's orbit, and of course 40 times smaller. Points 'A' and 'P' represent the closest point to the Sun, and the farthest point to the Sun for Pluto, called perihelion and aphelion. Two concentric circles inside the ellipse, show orbits of Neptune (bigger one) and Uranus. PLuto is in resonance with Neptune (2:3), thanks to this fact PLuto and Neptune are never too close. They come only as close as 15 astronomical units. In fact PLuto comes closer to Uranus than to Neptune ! It takes PLuto 248 years for one rotation around the Sun. For Neptune it is 2/3 of this value, around 160 years.

The very circular orbit of Charon, is typically seen as an ellipse from Earth, but eclipses are not visible. Only in points of perihelion and aphelion, the very circular orbit of Charon is positioned almost "edge on", and visible from the Earth as almost line or very, very narrow ellipse. Thanks to this coincidence, the eclipses in the PLuto+Charon system, can be visible from the Earth during perihelion and aphelion (orbits of Charon shown on the diagram are not to scale, all other orbits are to scale)

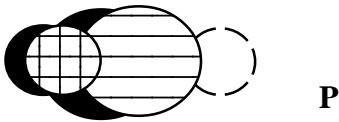
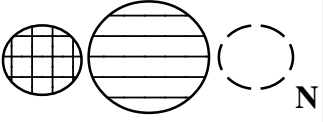
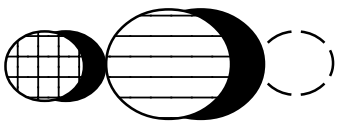
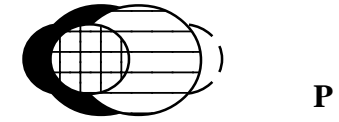
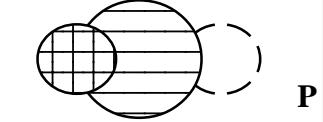
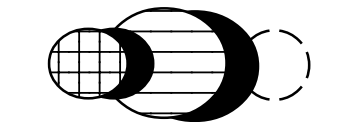
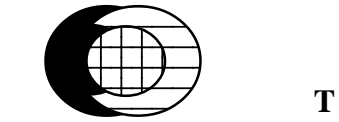
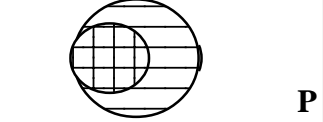
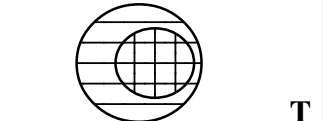
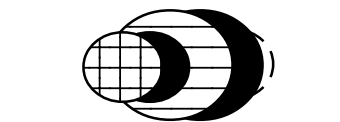

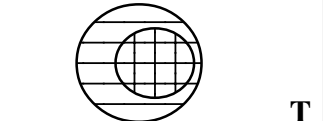
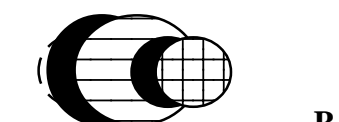
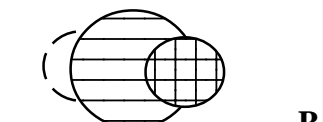
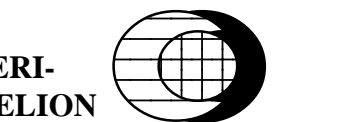
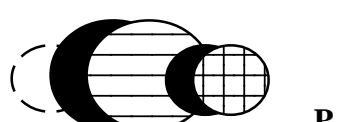
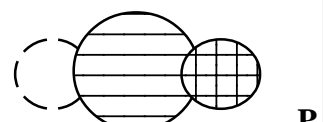
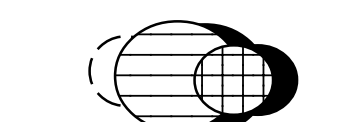

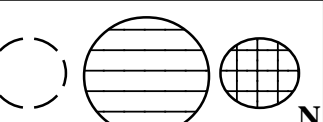
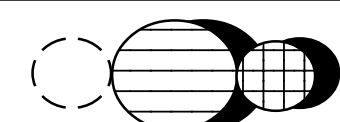
The 'A' coincidence is about mutual positioning of orbits in space, and timing of eclipses.

THE 'A' COINCIDENCE - THE ORBIT OF CHARON



The diagram (to scale) shows PLuto, its moon Charon and its orbit (very narrow ellipse), during the transit of Charon over the surface of Pluto as visible from the Earth. For better understanding, the position of Charon during the eclipse by Pluto is also shown. The orbit of Charon is almost a perfect circle, however the orbit is inclined to the orbit of PLuto (122 degrees, very unusual in the Solar System), and that is why only every 124 years we can see eclipses from the Earth. The eclipse season is a few years long, and the last one took place from 1985 to 1991. The black partial circle represents the shadow of Charon projected on the surface of Pluto during the transit event. The horizontal line represents a portion of PLuto's orbit around the Sun. Dotted ellipses show the orbit of Charon around PLuto away from aphelion or perihelion of PLuto as seen from the Earth, when eclipses are not visible.

THE 'A' COINCIDENCE - ECLIPSE SESSION DETAILS

YEAR	Maximum Elongation	Opposition	Maximum Elongation
	Jan./Feb.(shadow on the left)	May (no shadow)	Aug./Sep. (shadow on the right)
1985	 P	 N	 N
1986	 P	 P	 P
1987	 T	 P MAX. OCT. / NOV. 1987  T	 P
1988	 T		 T
1989	 P	 P	PERI-HELION  T
1990	 P	 P	 P
1991	 N	 N	 P ?

'T' - total eclipses, 'P' - partial eclipses, 'N' - no eclipses.

The diagram shows details of the last "eclipse session" in the Pluto+Charon system, that took place from 1985 to 1991. The next eclipse session will start in the year 2108. It takes 6.4 days for one rotation of the PLuto+Charon system. Therefore eclipses, or transits of Charon, are visible every 3.2 days during the eclipse session.

The first partial eclipses were recorded in February 1985, then there was a year long break, and then the continuous session started again in 1986. This is due to the fact that the Earth also moves around the Sun. The session was almost completed in 1990, then there was a break, and then probably final partial eclipses took place in September 1991 (this is not 100% sure, since it is on the edge of our accuracy of measurements from the Earth). The perfect alignment of the Charon's orbit, with the line PLuto-Sun took place in October or November 1987 (equinox on PLuto). This is more or less 1.8 year before the perihelion point (September 1989). Please note that probably total eclipses in the PLuto+Charon system were taking place at the point of perihelion of PLuto in 1989 (or at least it was very close to total eclipses).

The only big moon in the Solar System, that probably was created in the same way as Charon is the Moon. Yes, the Earth+Moon system is believed to be created exactly the same way as the PLuto+Charon. A giant impactor, more or less the size of Mars hit the protoEarth, and after the collision after millions of years, all scattered pieces were gravitationally condensed into today's Earth and Moon system. Let me point it out again, it is not very typical, it looks "ARTIFICIAL", still the very first planetary system with the moon (going from the Sun outwards) that is Earth+Moon, and the very last one which is PLuto+Charon have these "odd moons".

So what ? The above explanation shows that both systems have something more in common. First we discovered the coincidence of sizes, now we see that they were created in a similar manner. Are there more facts linking PLuto+Charon with the Earth+Moon ?

Yes there are. However this link, is a less direct one. As you know, the size of the Moon and the size of the Sun in Earth's sky is more or less the same. How accurate is the match ? The accuracy of the matching of the sizes of two objects in Earth's sky is around 1%. The calculation goes like this. Maximum size of any moon in the Solar System, in the sky of its planetary host is Charon. Its size is more than three degrees in Pluto's sky. Assuming then, that the size of the Moon in Earth's sky could have been zero (no Moon at all), or as big as Charon's size in PLuto's sky, we must divide the difference in sizes between the average apparent Sun and the Moon by the maximum possible size. It is one arcminute divided by three degrees, that is around 1/180. We assume only 1/100, so that nobody can say that we "bend" facts, in order to get expected results.

How does it relate to PLuto+Charon ? The answer is indirectly, the Moon is the link. Let me refresh your memory, we have discovered already that the size of the Moon, and the sizes of PLuto+Charon are related. Now we have another coincidence, linking the relative size of the Moon, with the relative size of the Sun in Earth's sky. On the other hand, we remember about the link between the orbit of PLuto around the Sun, and eclipses of PLuto+Charon system. The coincidental match of orbits is about the relationship between the Sun, and PLuto+Charon system. This way we closed our triangle of coincidences. In every corner of the imaginary triangle we have objects : Sun, PLuto+Charon system, and Earth+Moon system.

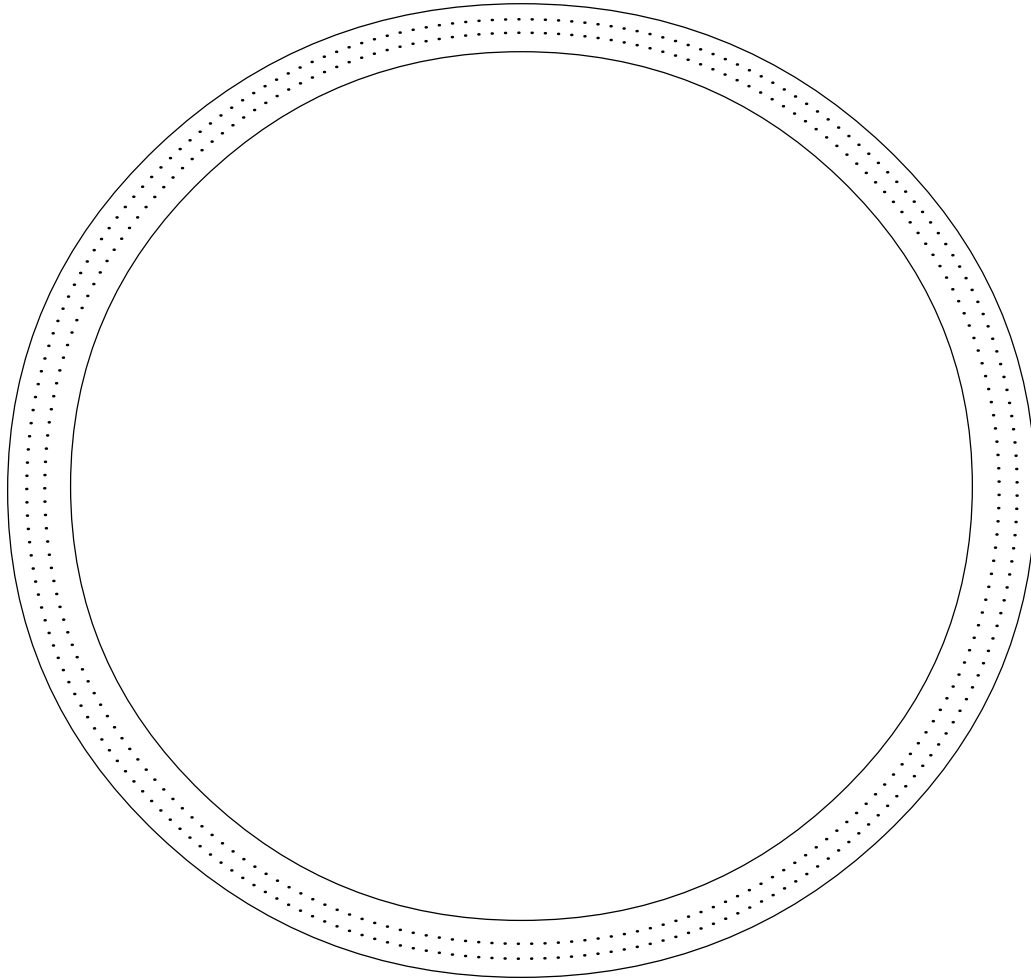
Let us summarize everything what was said so far.

PLuto+Charon system is related by coincidental match of sizes to the Moon , and it is around 1% chance for such a match. Actually the match is better, because PLuto+Charon theoretically speaking could have been bigger than the Moon, maybe 2, 3 times . This would decrease the match by the same factor to 1/2% or 1/3%. For the simplicity of calculations we say 1%.

The Moon in Earth's sky, is coincidentally related to the Sun, so that they have the same apparent size more or less (Sun's eclipses are possible thanks to this). The match is again around 1%. This is rounded up a bit, because the Moon could have been possibly as big in Earth's sky as 3 degrees, that is 6 times bigger (this big is Charon in PLuto's sky). I take the less favorite value in order to be away from manipulation with facts.

The orbit of PLuto around the Sun, and the orbit of Charon+ PLuto around its common center of gravity are coincidentally matched with the accuracy of 1.48 %. I take a lower 1% value for my calculations, only because the other two coincidences are much better than 1% and are a kind of counterbalance for the ignored 0.48% portion.

THE 'C' COINCIDENCE



Comparison of sizes of the Moon and the Sun, in the Earth's sky is shown on the diagram. Solid lines represent maximum and minimum sizes of the Moon. Noncontinuous lines represent maximum and minimum sizes of the Sun in the sky above our heads.

The changes of the size of both objects are due to the facts that both the Moon and the Earth are placed on elliptical orbits, and the size of the Earth impacts the distance from the observer to the Moon. The orbit of the Moon around the Earth, is more or less three times more elliptical than the orbit of the Earth around the Sun. The coincidence of sizes of apparent Moon and Sun I call the 'C' coincidence.

The maximum size of the apparent Moon is bigger than the maximum size of the apparent Sun, however typically the Sun is a bit bigger. Thanks to this phenomenon the so called annular eclipses are more common than total eclipses (described in the first chapter) . The relative values are (diameters) :

- maximum size of the Moon 100% (assumed),*
- maximum size of the Sun 97.1%,*
- minimum size of the Sun 93.9 %,*
- minimum size of the Moon 88.0 %,*
- average size of the Sun (95.5 %) minus average size of the Moon (94 %) is equal 1.5%.*

This way the triangle of coincidences is closed. PLuto points to the Moon, the Moon points to the Sun, and the Sun points to PLuto, or the other way around.

What is the probability of such a closed trinity of coincidences ? From the mathematical perspective, we must calculate it as 1% multiplied by 1% multiplied by 1%. Such calculation of course make sense only, if the coincidences are independent, but I hope we agree that the size of the Moon in Earth's sky, cannot impact the real diameter of PLuto (kilometers), or opposite. The same for the orbit's match of PLuto+Charon and PLuto around the Sun, no physical relation to the Moon.

The total for the above performed calculations is here :

ONE IN A MILLION , THAT IS 1 / 1 000 000.

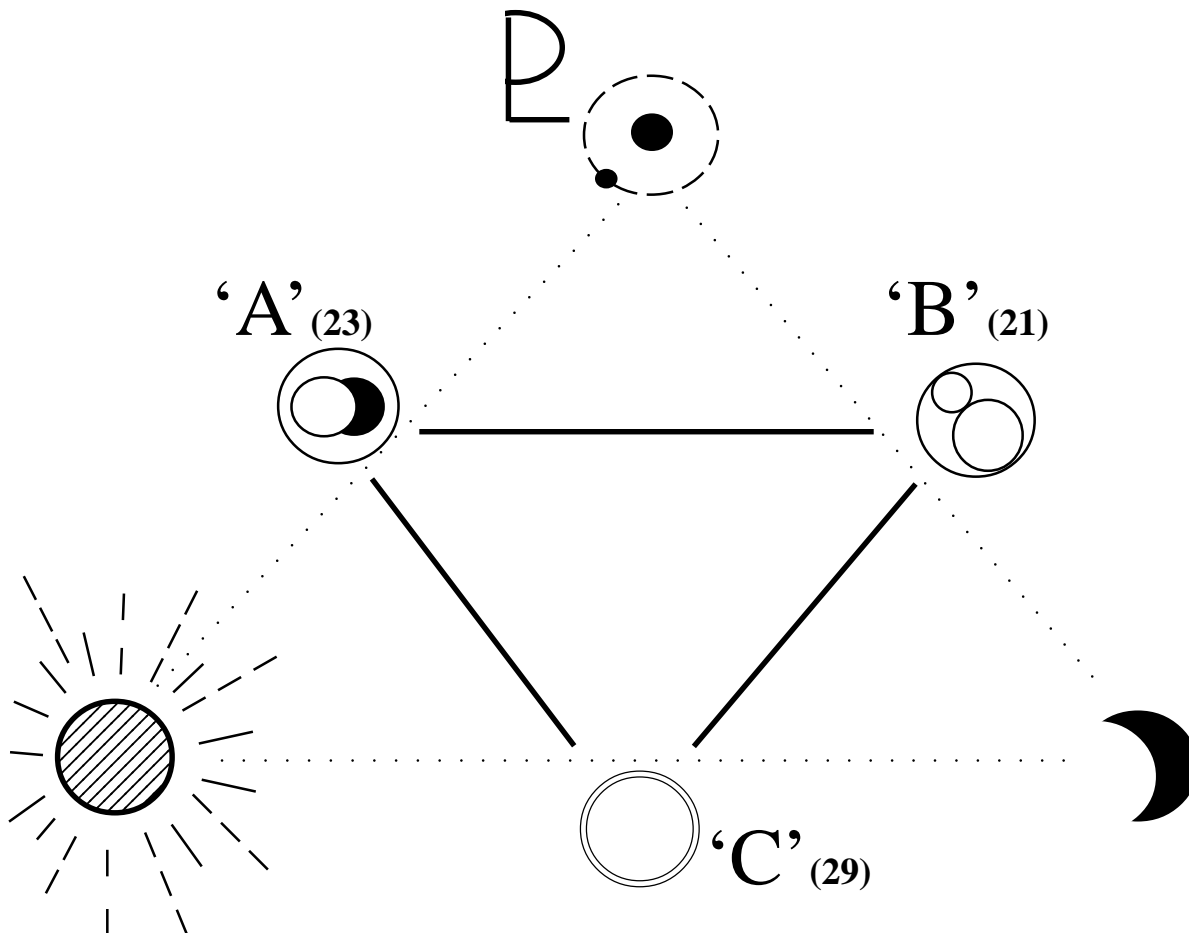
Please note, that the above estimated value does not take into account the fact, that both Charon and the Moon were created by the big hit. The only two known big moons in the Solar System like this. Both of them look very "artificial" for me. The Moon is the first moon of any planet in the Solar System going outward from the Sun. Mercury does not have natural satellites, as well as Venus. Mars on the other hand has two small rocklike satellites. They are even not round in shape. Extremely small satellites, that are probably caught asteroids, since Mars is very close to the asteroid belt. Of course Mars's satellites are not in our "sunflower" group, they belong to the background. Assuming that we think this way, from all four Earth-like small planets, only the Earth has its Moon. All other satellites from our "sunflower" group are "natural" satellites, created together with the big Jupiter-like planets (all Jupiter's Galilean satellites, Saturn's moon Titan), or captured satellites like probably Neptun's Triton.

At the very end of our planetary system we have PLuto with Charon created presumably by the big hit, and the Moon was created in the same way. The first moon from the Sun and the last one were created in exactly the same way, and no other moons in our planetary system were created this way, and on the other hand they are linked by the trinity of coincidences ? This is a bit too much for me personally, it is very close to the border between a miracle, and the so called very low probability event. I am afraid that factor 'X', which I personally call "THE CREATOR" is needed here.

Say that we would like to include facts, like common origin, and "the first moon and last moon" in our coincidences. By how much this would decrease our already low probability ? By ten, to one in ten million, or by one hundred, to one in one hundred million ? I do not know that. Let us say that we just take our 1/ 1 000 000 estimated above, so that nobody can say that this is speculation with facts. This means that for every million planetary systems in the Universe, there should be only one with similar coincidences.

Is this much, or not that much ? I would compare it, to the chance of winning six numbers in the 6/49 lottery (1 / 13 000 000). The odds for winning in the lottery are just a bit lower, but on the other hand I rounded up my coincidences here and there. Comparing my "ABC" structure to winning the 6/49 jackpot seems fair for me.

THE HYPOTHETICAL STRUCTURE OF THE “ABC” SIGNATURE



The trinity of coincidences in relationship between the Sun, the Moon, and PLuto system is shown on the diagram. The described in the book coincidences are low probability coincidences. Chances for every single coincidence separately are around 1 to 100 (1% chance of existence).

Together the described coincidences, form the “triangle of coincidences”.

The odds for the chance of existence, of such a linked triangle must be calculated as 0.01 multiplied by 0.01 multiplied by 0.01. The total is 0.000 001. The odds for such a linked chain of coincidences are

ONE IN A MILLION.

Please keep in mind that both, the Moon, and PLuto’s moon Charon were created in the same way (“the odd way”), by the big hit by the big impacting object, and they are the only big objects in the Solar System like this. The Moon is the closest moon to the Sun, and Charon is the most distant one.

Both moons are extremely large in comparison to the host object (the Earth for the Moon and PLuto for Charon). Typical moons are much (100 times) smaller. Last but not least, the “ABC” is only visible from the Earth thanks to the ‘C’ component.

Now I must defend my “ABC” structure. It is easy to say that I found coincidences because I was looking for anything, and it just happened that I found these coincidences. It could have been (instead of ‘B’) that say the size of the PLuto multiplied by the distance between them, divided by the size of Charon multiplied by one hundred is equal to the size of the Moon, or something similar. I hope that you agree with me that my relationship is “direct”, “clean” and “primary” (I defined these words earlier in my book). No need for multiplications, divisions etc. The relation is very simple. The same for ‘A’ and ‘C’, very simple, very straightforward kind of coincidences. There is only four objects here (the fifth is the Earth from where the structure is visible), and there are not that many different relationships that one can come up with, in order to show that it is just my imagination. Please close your eyes, think for a minute, and try to invent a better, more convincing “ABC” structure of coincidences. There is simply not that much of the “space of relationships” for maneuver. We have here three “clean” (orbit-orbit, size-size, apparent size -apparent size), “direct” (no multiplication factors), and “primary” (primary characteristics: orbit, size and apparent size) coincidences. However please try, and create an example of a better theoretically possible “ABC”, a more appealing one. I do not think that this is possible.

From the point of view of theoretical mechanics (my area) the “ABC” structure should be called “stiff”. This means that there is no room left for potential ‘D’, ‘E’ etc. coincidences. On the other hand “AB” or “AC” or “CB”, without the remaining third component would leave this unfilled one degree of freedom, or in other words it would not be “stiff”. Let me put it this way. If it was only “AB” or “AC” or “BC”, it would look worse, even if the coincidences were much more precise (say 0.0001 multiplied by 0.0001). The information is packed here to the optimal maximum and proportionally balanced. It is three times around 0.01 probability, giving us the total of 1 in a million when multiplied . If it was say 0.1 multiplied by 0.1, and multiplied by 0.0001, it would look worse, in spite of the fact that the total would be the same. Every “letter” must be taken from the same alphabet, or in other words one cannot mix Latin letters with Chinese alphabet.

On the drawing with my “ABC” hypothetical structure I associated every letter with the point of the discovery of PLuto (small numbers in brackets). Why did I do this and based on what ? In order to answer this question, the reader must go back to the drawing with the eclipse and three original points of discovery of PLuto. One can see there that every point is different from the point of view of the way it was eclipsed:

- the ‘29’ point of discovery was already eclipsed by both the Sun and the Moon at the beginning of the eclipse (Hawaii), at the maximum eclipse (Mexico), and at the end of the eclipse (the jungle in Brazil). This point is different from two other points (23, 21). It was eclipsed all the time by both the Sun and the Moon,
- the ‘23’ point was not eclipsed when the eclipse started. The eclipse of this point took place at the time of the eclipse on Hawaii. The Moon’s edge was matched with this point when the eclipse was visible from Hawaii.
- the ‘21’ point was not eclipsed for half of the 3.5 hours long time of the total eclipse. It was eclipsed by the Moon more or less at the center point of the eclipse (Mexico), at the most important point of the eclipse on the globe , where the eclipse was the longest (called the greatest eclipse point). At this time the ‘23’ point was already eclipsed, as well as ‘29’ point. They were both already hidden behind the Moon.

The most important is the center of the eclipse in Mexico, where the eclipse was the longest. At this time (greatest eclipse), the point '21' was matched with the edge of the Moon, while the '23' point was matched with the edge of the Sun behind the Moon and

T H A T I S D O U B L E M A T C H !!!

THIS IS LIKE TOO GOOD TO BE TRUE, AND I SAY AGAIN THAT THIS DID NOT HAVE THE RIGHT TO HAPPEN "ON ITS OWN".

Summarizing, I say that the coincidences :

- 1. MATCHING EDGE OF THE MOON WITH POINT '21' DURING THE VERY MOMENT OF THE GREATEST ECLIPSE (IN MEXICO) REPRESENTS THE COINCIDENCE BETWEEN THE MOON AND PLUTO, THE 'B' COINCIDENCE.**
- 2. MATCHING EDGE OF THE SUN WITH POINT '23' DURING THE VERY MOMENT OF THE GREATEST ECLIPSE (IN MEXICO) REPRESENTS THE COINCIDENCE BETWEEN THE SUN AND PLUTO, THE 'A' COINCIDENCE.**
- 3. POINT '29' IS MORE DISTANT FROM POINTS '23' and '21', AND THIS INDICATES ITS SLIGHTLY DIFFERENT MEANING, AS A KIND OF A "CHECKSUM" FOR POINTS '21' AND '23'. AT THE VERY MOMENT OF THE GREATEST ECLIPSE (IN MEXICO) THIS POINT WAS DEEP BEHIND THE MOON AND THE SUN (AT ITS MAXIMUM DEPTH, HALF WAY THROUGH !). THIS POINT CONFIRMS THAT ALL THREE OBJECTS ARE LINKED TOGETHER IN THE "ABC" CHAIN OF COINCIDENCES, OR IN OTHER WORDS IT POINTS TO THE LAST 'C' COINCIDENCE (ALREADY KNOWN) BETWEEN THE SUN AND THE MOON.**

These are the reasons, why there are small numbers representing dates ('21', '23', '29') associated with points 'A', 'B' and 'C' on the drawing with the hypothetical structure of the signature. It should be also stated here again, that "discovery points" belong to two different sets from the point of view of the total time of the eclipse on Earth, confirming different meaning for two separate sets:

- points '21' and '23' were eclipsed by edges of the Sun and the Moon during the 3.5 hours of the "show" on Earth,
- point '29' was not eclipsed at all by the edge of the Moon and the Sun, since it was already deep behind the Moon and the Sun when the eclipse started (Hawaii), and it was there for all the time of the eclipse to the very end (Brazil).

I cannot imagine a better placement for all 3 discovery points, and again it is like too good to be true. Please note that it was a big eclipse when the size of the Moon was much bigger than the Sun. If the eclipse was not big, then the small distance between the edge of the Sun and the Moon would not allow to put there two separate points '23' and '21' (!), so the big eclipse must have been "selected" (depth 1.0799) for the purpose of passing information about 'A' and 'B', separately (!).