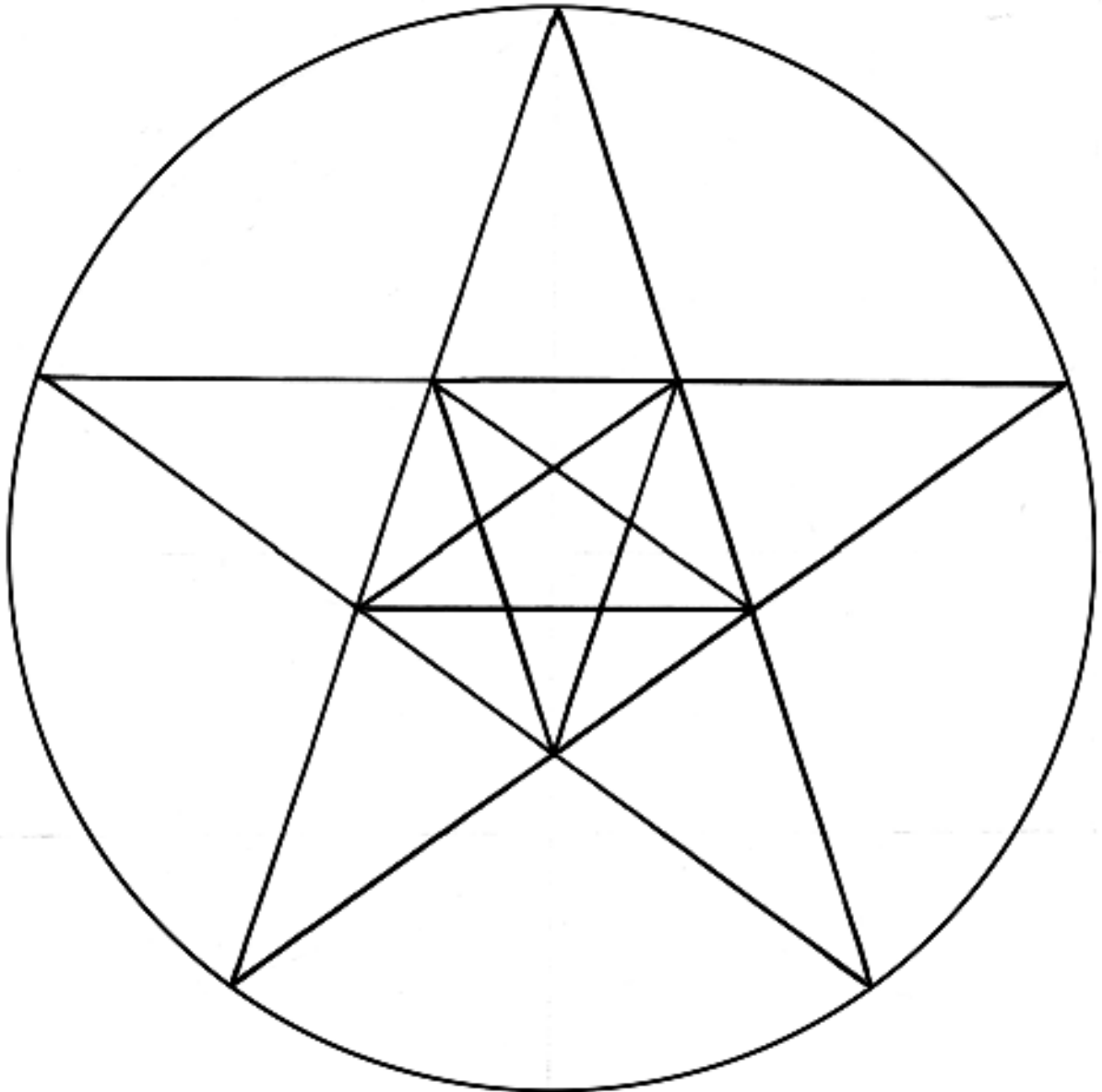


# **The Code Behind the Maya Long Count Part I**

By

**Vigor Berg**



With this article I want to express my gratitude to the scientist of ancient arts, Charles William Johnson, whose articles and encouragement have been crucial for my equations. Charles Johnson's multi-dimensional research about the heritage of Mesoamerica and Egypt, documented in countless articles on the Internet, have helped me to realize that there exists an ancient mystery concerning the planets Venus, Mars and Jupiter. Charles has

also been the first person to recognize the significance of my equations. Before concentrating on the Maya figures I had worked on the Jupiter-Saturn conjunctions that helped me open up to the Maya Long Count.

I assumed that the Maya Long Count had an astronomical and spiritual background, intended as a clue left for posterity. A lot of work was necessary before I managed to find the **complementary code** to the Long Count and discovered the significance of Maya figure **1314**. The fact that the Maya did not use decimals caused them to labour with very large numbers which led me to suspect a connection with India. I learned about the Indian heritage through the books of the authoress **Patrizia Norreli-Bachelet**, who made me aware of the figure 864 000 and its connection to the average heartbeat and the **ideal diameter** of the Sun. Patrizia also drew my attention to the letter connection of Earth and heart. Patrizia calls herself Thea. I see Patrizia as a candidate for the Noble prize for peace. With this article I also want to propose Charles as a candidate for his ardent work for a kinder society and his contributions to the rediscovery of ancient measures.

In the religious and philosophical system of India, one day of **Brahman's** life (24 hours) is equated with "8 640 000 000 years". A connection between the Maya and India can be seen in the equation  $12 \times 936\,000 \text{ days} = 13 \times 864\,000 \text{ days}$ . I have noticed parallels in the Maya myth to the Gospel where **Christ** is referred to as being the **Morning Star**, which also is an attribute of the Mesoamerican mythical hero Quetzalcoatl, often referred to as Kulkán by the Maya.

The *yin* aspect of the Light-bringer is still alive in the annual Swedish **Lucia Fest** on the **13th** of December. This date was once thought to be the darkest day of the year. Lucia can be seen as the bringer of light, the queen of the morning. According to a legend Lucia of Syrakuse was a Christian martyr, who was stabbed to death. She was later made a saint and became the patron of the blind.

The Long Count can be factored as  $13 \times 144\,000$  days. In the Revelations of John another context is given to the figure **144 000**. This figure may stand for the realization of an inner process leading to spiritual growth, Christ awareness.

I think the astronomer- priests and mathematicians of the Maya wanted to point to **Venus** and the **Moon** indirectly when they constructed the **Long Count**. In the same discreet way they also used the count **21 600** days for **37** synodic periods of Venus. I call the 21 600 day count for the **generation value** because it equals **three Maya generations**. The Maya used several calculations for a period of Venus for instance 584, 583.92027, 583.890411 and 583.91666... days. The last figure mentioned allows 1 404 synodic periods of Venus in 819 819 days. The mythical Maya ruler Kulkán is also associated with the figure 819 and 819 819 days. For the Maya the figures **7, 9** and **13** are sacred. These three figures as factors give the product 819. Worth mentioning is that  $9 + 9 \times 9 + 9 \times 9 \times 9$  also equals 819.

I have good reason to believe, that the Maya **encoded** a synodic Venus period of **583.89 0411** days as a **complement** to their Long Count. The count of 66 656 665 synodic Venus periods results in 106 560 000 tropical years. Expressed in decimals **10 656** years equal 6 665.6665 synodic periods of Venus. Charles William Johnson has pointed out to me that he has found complementary clues to the period mentioned. He will disclose them and some other findings as a complement to this article.

Important for the Maya astronomers was also the fact that in a period of **21 600** days, **Jupiter** and **Saturn** form a **pentagram**. In that time sequence **Jupiter** makes five sidereal **orbits** to 99.7 % and **Saturn** makes two sidereal orbits to 99.6%. Another **pentagram**, between **Venus** and the **Sun** is made by **five** synodic periods of Venus in **2 920 days**. The significance of the 2 920 days is seen in the equations:

1.  $\frac{2\ 368\ \text{days} \times 13\ 140\ 000\ \text{days}}{2\ 920\ \text{days}} = 10\ 656\ 000\ \text{days} = 18\ 250\ \text{synodic periods of Venus.}$
2.  $\frac{2\ 920\ \text{days} \times 2\ 600 \times 583,890411\ \text{days}}{2\ 368\ \text{days}} = 1\ 872\ 000\ \text{days} = \text{Long Count}$

The significance of the **21 600** days and **2 368** days can be seen in the equations:

3.  $\frac{2\ 368\ \text{days} \times 13\ 140\ 000\ \text{days} \times 2\ 700}{21\ 600\ \text{days} \quad \times \quad 2\ 701} = 10 \times 144\ 000\ \text{days} = 10\ \text{Baktun}$

The two main figures, **2 368** days and **21 600** days, the Venus quotient and period of Venus result in the product of the Greek letter values for **Cosmos** (600) and **Jesus** (888) I think that I can prove that there exists a link between Greece, India and Mesoamerica and that the figure **888** has been of great significance in the different cultures.

4.  $\frac{21\ 600\ \text{days} \times 100 \times 583,890411 \times 2\ 701\ \text{days}}{2\ 368\ \text{days} \times 2\ 700} = 532\ 800\ \text{days} = 600 \times 888\ \text{days.}$

532 800 days also equal 123 sideric orbits of **Jupiter** to 99.98%.

A meaningful equation built on 21 600 days and 2 920 days is also:

5.  $\frac{21\ 600\ \text{days} \times 2\ 920\ \text{days}}{172\ 800\ \text{days}} = 365\ \text{days}$

If we divide the two factors with a synodic period of Venus in whole days, **584**, we get:

6.  $\frac{21\ 600\ \text{days} \times 2\ 920}{584\ \text{days}} = 108\ 000\ \text{synodic periods of Venus.}$

**108 000** periods of Venus of **583.91666...** days result in **63 063 000** days = 175 175 Tun. The reader will notice that the **sum** of the figures 175 175 is **26** and a fractal of the **Tzolkin**. The figure **108** is a sacred number in Buddhism. I hold the **double pentagram** drawn by Venus and the Sun in **8 Haab**, and the **Jupiter-Saturn pentagram** drawn in **60 Tun** to be a significant part of the Maya message and the Gospel. The personification of **2 368 days** can be seen as a parallel to **Leonardo da Vinci's** drawing **The Vitruvian Man** which is the representation of **Man as Microcosm**. The same idea is expressed in the "**Greek triangle**" with the hypotenuse **1 110** days. The figure 1 110 stands for the harmonic mean of **888** and **1 480**. In Greek **gematria** the two figures are the **Greek letter values** for **Jesus** and **Christ**. The Greek word **The Microcosm** has the letter value 1 110. The figure **10 656 000** days can also be written as **2 368** days x 4 500, **1 480** days x 7 200 and **8 880** days x 1 200.

The Pythagorean triangle with the sides 216 000, 288 000 and 360 000 days, I have called **The Indian triangle** in my work. The perimeter of this sacred triangle is **864 000** days. Significant is also the fact that the **area** of the "Indian triangle," 864 000 days x 36 000, equals **9 000 x 9 000 x 384 days**. This time dimension also equals the product of 1 050 810 811 x **29.6 days**. The Greek, the Maya and the Indian astronomers knew the more exact values for the synodic month. The rounded off figures simplify geometric constructions.

I have constructed a triangle with the sides **888**, 1 184 and **1 480** days which I believe to be connected to the symbolism of the letter values in the Greek Gospel. I call this construction the **Greek Triangle**. The construction consists of three triangles and a square having the total circumference of **10 656** days. This figure corresponds to **360** "synodic months" of 29.6 days.

1 Haab = 365 days , 1 Tun = 360 days, 1 Baktun = 144 000 days.

108 is a sacred number in India and Buddhism.

**2 368** is the Greek letter value for Jesus - Christ. Lord Jesus - Christ equals **3 168**.

$260 \times 360 \times 365 \times 365.242 \text{ days} / 1\,314 = 9\,496\,292 \text{ days} = 26\,000$  tropical years of the Maya.

$18\,250 \times 583.890411 \text{ days} = 10\,656\,000 \text{ days} = 29\,600$  Tun =  $27\,750 \times 384 \text{ days}$ .

**10 656** tropical years =  $3\,892\,018,752 \text{ days} = 6665.6665$  synodic periods of Venus of **583.890411** days.

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The pentagram has been drawn by my wife Eva Berg and has been edited for the Internet by our daughter Helene Berg. With this article I also say thank to Kenneth Borg who helped me with the basic material. Kenneth is a teacher in mathematics and astronomy. I also thank Newman Byström for coaching me to go on with my findings and for having a strong belief in my results. The paintress Sigrid von Spreckelsen has inspired me with her painting "Vor dem Abendmahl" and also guided me to the Long Count. I am grateful for her support and encouragement. The research of the German authors Walther Heinrich and Hartmut Warm has also contributed to my results. Without the daily support and patience of my wife Eva I would not have managed the equations.

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