153
sum of the numbers from 1 to 17

The Code Behind the Mayan Long Count
Part III
by
Vigor Berg

With this article I want to show that there is a connection between the Mayan Long Count and the **Hebrew** and **Greek gematria** as presented on the Internet by the research of Vernon Jenkins, Richard Amiel Mc Goug and Peter Bluer. The scientist of ancient arts, **Charles William Johnson** has with his linguistic and mathematical work clearly shown the links between ancient Egypt and the Mayans and presented the Long Count from many aspects. His basic work and his encouragement have helped me to find my way in the Mayan labyrinth.

In part I and II of *The Code Behind the Mayan Long Count* (CODE) I suggested that there was a **code** connected to the **Long Count** referring to a **specific Mayan count** for a synodic period of **Venus**. I also found proof for my assumption in certain geometric constructions that among others mirror synodic and sidereal orbits of Venus, Jupiter and Saturn. In my work I have mainly used the **Pythagorean rule** for basic and special triangles, the golden number (P**hi),** and different calculations for **Pi**. Having laboured with the Mayans figures for a long time I finally found that the figure **1 314** is the code of **the Tzolkin Rectangle**. In Part II of (Code) I showed that when the **four** Mayan main counts, the **Tzolkin** (260 days), the **Tun** (360 days), the **Haab** (365 days) and the **tropical year** of the Mayans (365.2420 day), are multiplied and then divided by the
1 872 000 days of the Long Count, then the "twin" figure 6665.6665 comes up when using decimals.

1. $$\frac{260 \text{ days} \times 360 \times 365 \times 365.2420}{1\ 872\ 000 \text{ days}} = 6665.6665$$

I assumed this result to be a significant figure of the Mayans, related to the **synodic period o**f **Venus** which played a great role in the **Mayan** mythology and astronomy**.** The latter also pays special respect to "twin" figures like 101, 1 001, 7 007, 10 001, 819 819, 93 609 360, and the prime figures **37** and **73**. By tracking the Mayan figure **6665.6666** for different synodic periods of Venus, I finally found out that **6665.6665** synodic periods of **Venus** of **583.890411** days equal **10 656** tropical years of the Mayans. (I simplify the Mayan calculations by using decimals.)

2. $$\frac{6665.6665 \times 583.890411 \text{days}}{365.2420} = \textbf{10 656 (12 x 888)} \text{ tropical years of the Mayans}$$

2

I also discovered that **26 000** tropical years were hidden in the **four** Mayan counts. By dividing the **four** main Mayan counts by the **code** number **1 314**, I received 26 000 tropical years of the Mayans.

3. $\dfrac{\text{260 days x 360 x 365 x 365.2420}}{\textbf{1 314}}$ = **9 496 292** days = **26 000** tropical years(t.y)

It took me quite a long time to establish a relationship between 26 000 tropical years and 10 656 t.years. By using **1 314** and the count of **583.890411** days for a synodic period of **Venus**, I finally managed to "return" to the Long Count. This was a breathtaking discovery.

4. $\dfrac{\text{26 000 tropical years x }\textbf{1 3}\text{14 x 583.890411 days}}{\text{10 656 tropical years}}$ = 1 872 000 days

The above equation will give the same result if, instead of tropical years, we choose **Tuns** or **Haabs**. 1 872 000 days is **one fifth** of **9 360 000** days, which is a Mesoamerican period called **the 5th Sun**. "Mayan" researchers like **John Major Jenkins** believe that the Long Count ends on the **solstice** of 2012. Jenkins states that the end of the L.C. also is the end of the period of the **5th Sun**, bringing a new cycle of **26 000 Tuns**. John Major Jenkins considers the period of the 5th Sun to be the Mayan **precession**. It is quite probable that there has been an ancient discovery about the precession being around "**26 000 years**." Like the reseacher, **Hugh Harleston Jr.**, I believe that the Mayans equated the precession with **25 920** Haabs equalling **9 460 800** days. However, there are also arguments for **9 462 528** days, as will be shown later on in the text. By using the count 21 600 days / 37 for a synodic period of **Venus, 9 460 800** days can then be written as **16 206** synodic periods of Venus counted as 21 600 days/ 37 for a period.

5. $\dfrac{\textbf{9 460 800 days}}{\text{21 600 days}}$ x 37 = **16 206** synodic periods of Venus

6.   **16 206** synodic periods of Venus = **2 701 x 6** synodic periods of Venus
      2 701 synodic periods of Venus of 21 600 days / 37 = 4 320 Haabs
      4 320 Haabs = **2 700** periods of Venus of 584 days

The **Hebrew** letter value for the first sentence of the Bible equals **2 701.** I believe, that this Figure, (37 x 73), also refers to **a synodic Venus count** as will be shown on page 3.

By using the Mayan count **584** days for a synodic period of Venus we find:

7.   **16 200** x 584 days = 9 460 800 days

This count for the precession also allows the use of the Mayan **code number** 1 314.

8.   7 200 days x **1 3**14 = 9 460 800 days

In his analysis of the **names** of **the 12 Tribes of Israel** in Book 4 (Numbers) of the Old Testament, the Bible researcher and mathematician **Vernon Jenkins** has shown, that the **Greek** letter values of the New Testament **888**, 1 332, **1 480** and **2 368** were known as **letter values** to **the Hebrews** long before the birth of **Jesus**. This background seems also to have been known to **C.G. Jung**. In his book **Answer to Job**, Jung writes, "*It is with the best will in the world not possible to stand up for the concept, that has been procalaimed so many times, that **Christianity** entered the historical process as an **absolute** novum. Christianity is one of the most striking examples of events that have been prepared for historically, and that have been supported and delivered by already existing conceptions.*" In spite of this sentence, Jung stated that he believed in a creator God.

In his work with the **letter values** of the names of the **12 Sons of Israel**, Vernon Jenkins stresses the significance of the Hebrew letter value **296**, which is the **seventh** word of the **Bible** and the letter value for **the Earth.** It goes without saying that there is a symbolic connection between **The Earth** and **Mother Earth**! The Mayan **prophecy** of a **flooding** of the Earth at the solstice of 2 012 can thus refer to an upsurge of the suppressed and denied **yin** principle, which symbolically is connected with the **water element**.

I have found, that when the **Fibonacci Series** 1, 1, 2, 3, 5, 8, ……………….. , **144**, **233** is multiplied by **296 days (d.)**, then the Holy numbers of the Bible show up expressed in days.

9.   296 d., 296 d., **592** d., **888** d., **1 480** d., **2 368** d., ………. and **42 624** days, **68 968** days.

The **last two figures** give a good quotient for the golden number.(**Phi**)

10.   **68 968** d.= 233=1.6180555… This is **Phi** to about 99.999 %
        42 624 d.   144

11. The **twelfth** term, **42 624** days, equals **73** **synodic** periods of Venus of **583.890411 d**. Thus we find that there is a **correspondence** between this Venus period, the Holy figures of the Bible, and the Mayan synodic period of **Venus** as demonstrated in **equation 2** on page one. We also find:
12. **2 368** days x 18 = 42 624 days
 A "Venus year", **365** synodic periods of Venus of 583.890411days, has **213 120** days.
13.   **213 120** days = **365** synodic periods of Venus of **583.890411** days
14.   **213 120** days = **592** Tuns = 90 x **2 368** days(d.)

I consider the four figures **592** d., **888** d.,**1 480** d. and **2 368** d. of special significance. As I see it, **Jesus** by integrating the yin figure **592** d. rose to Christ (**1 480** d.) The figure **592** d. has to be seen as an "independent" entity, and as a figure being contained in **1 480** d. The **sum** of the four figures equals **5 328 days**. By addding **592**, the basic "**trinity**" of the three figures **888**, **1 480** and **2 368** is extended to a **quaternity** (four elements). The **sum** of the **four** figures in days can then be seen as the **square** with the **perimeter** 4 x **1 332** days, equalling **5 328 days**. The **Greek** letter value for **"Godhead" (592), can be seen to be a complement to the "trinity" of the figures 888, 1 480** and **2 368**. In the same way the figure **1 184** is a necessary complement to receive the central 3:4:5 **triangle** with the sides **888** d., **1 184** d. and **1 480** d. and the **perimeter**

3 552 days. Thus the **perimeter** of the **square, 5 328** days, and the **perimeter** of the **triangle 3 552** days, sum up to **8 880** days. In Greek gematria the figure **8 880** is said to symbolize the risen Christ. My main point is that the sum, **888** + 592, equals **1 480**. Then Christ´s **earthly origin**, Jesus (**888**), is stressed and at the same time "the independency" of **the Godhead** (592) is affirmed. In my view, the heavenly aspect of Jesus-Christ is connected to **the Earth,** the synodic period of **Venus** of 583.890411 days, and the sidereal orbit of **Jupiter,** as shown in the equations below.

15.   **2 701** x 583.890411days = **1 577 088** days
16.   **1 577 088** days = **2 368** days x 666
17**.**   **1 577 088** days = 364 sidereal orbits of **Jupiter** to 99.998 %
18.   **1 577 088** days = 18 x 296 ^{2} days

Despite the more correct Mayan figure **583.91666**…days for a period of **Venus**, the count, **583.890411** days, takes precedence due to the significance of the **four** equations above.
The synodic Venus count of **583.890411** days equals to 99.996% the count of **583.91666**…days. Thus the Venus count **2 701** x 583.890411 days gives a very exact result for **364** sidereal orbits of **Jupiter** and an almost precise count for a synodic period of **Venus**. With the equation, **16 206** x **583.890411** days, we get a "precession" of **9 462 528** days. This count is 1 728 days longer than 9 460 800 days. The precession count, **888** days x **888** x 12, = **9 462 528** days, may have been both a **Christian** and Mayan count. This count corresponds to 25 907.6 **tropical years** of the Mayans for the precession. However, when we take the **arithmetic mean** of 9 360 000 days and 9 462 528 days, we receive **9 411 264** days.

19. **9 411 264 days** = **25 767.2** tropical years for the precession.
       365.2420

It is also possible that the Greeks, the Hebrews and the Mayans used the **arithmetic mean** of 360 days and 365.0666666… days to calculate the precession. In Part II of Code I showed, that the area of the top triangle, **32 856 days**, in the construction **The Greek Triangle** can be written as **90 years** of 365.066666…days. The latter figure comes from a geometric construction. No triangle can be constructed that is closer to 365. 0666…days, when square units are expressed in days.
20.   **25 920** years of 360 days = **9 331 200** days
21.   **25 920** years of 365.066666666… days = **9 462 528** days
22. **9 331 200** days + **9 462 528** days = **18 793 728** days.
23. The arithmetic mean of **18 793 728** days equals **9 396 864** days.
24. **9 396 864** days / 365.242 = **25 728 tropical years** for the precession of the Mayans.
25.   93 96 864 days / 365 = about 25 745 Haabs for the precession
26.

*Equinoctial precession is a circular motion of Earth's rotational axis with respect to the "fixed stars", also known as lunisolar precession. It is caused by the torque of the Sun and Moon on the Earth's rotational bulge. The axis precesses with a period of approximately **25,770 years** (Beatty et al. 1990)."* According to modern calculations the precession seems to be slowing down. This is possibly due to the fact that the **Sun** forms a binary System with **Sirius.**

As seen in equation 19 above, **25 767 tropical years** of the Mayans, corresponds best with today´s figures for the precession. However, we must not forget that all these figures must be seen as approximations.

Let us now look at the Venus period **583.890411** days, from a **numberical** aspect. The **sum** of all the numbers in the figure **583.890411** equals **39**. This is the sum of the books in **the Old Testament**. The **product** of the figures equals:

26.   5 x 8 x 3 x 8 x 9 x 4 x 1 x 1 = **34 560** by omitting the zero.

When we let 34 560 stand for **statute miles**, then the figure represents 4% of the **diameter** of the Sun which equals 864 000 statute miles. 34 560 statute miles equals 1% of the **square** written around the **disc** of the Sun. As a time sequence 34 560 days equals 96 Mayan Tuns.

27.   40 x 34 560 days = 1 382 400 days = **2 368** Venus of 21 600 days / 37

Noteworthy is the fact, that **5 328** synodic periods of Venus of 584 days correspond to
5 329 synodic periods of Venus of **583.890411** days. Thus **5 328** / **5 329** is a **Venus quotient** in the same way as **2 700** / **2 701** and **7 007** / **7 008,** which are the **Venus quotients** referred to in Part I and II of my articles in the **Forum** of the eminent Mayan researcher Charles William Johnson htpp://www.earthmatrix.com .

28.   5 328 Haabs = **3 330** Venus of 584 days

29.   **2 368** Haabs = **1 480** Venus of 584 days

In my articles I have mentioned that the Holy **Greek** figures of **The New Testament** may stand for **days** as well as for **years** according to the biblical wisdom "*a day is like a year*."

The Holy **Greek** letter values of the **Bible** may now be right in time to "mirror" the letter values of **Anglo-American words** and **measurements**. The words **Christ**, **Power**, and **Glory** have all the letter value **77,** when the Latin alphabet, **A - Z**, is numbered from **1** to **26**. The "**Alpha and the Omega**" now being **27**. When we take **77** and add the reverse of **77** we receive the figure 154. Noteworthy is the fact that **77** is the ancient Greek letter value for the maiden goddess **Athena**. There is a vital **yang** element in Athena and a vital **yin** element in **Christ**. Twice 77 can symbolically stand for the *hieros gamos*, the union of two opposite principles. We also notice that the **sum** of all the figures from 1-27 equals **378.** The Mayan count for a synodic period of **Saturn** equals **378 days**.

Significant **symbolic measurements** are the **diameter** of the Sun, **864 000 statute m**iles, and the **square** around the **disc** of the **Earth** which, slightly rounded off, equals **31 680** s miles. This is 8 times the **radius** of the Earth (3 960 s. miles).The Greek letter value for Lord Jesus -Christ equals **3 168**. The **radius** of the Moon is **1 080** statute miles. This is also numerically found in the **Greek** letter value for the **Holy Spirit**(**1 080**). In Part II of CODE, I showed that **2 368** Haabs

Haabs multiplied by the **Venus quotient 2 700** / **2 701** results in the **Indian** count of
864 000 days. This corresponds to 2 400 biblical years of 360 days. (2 400 Mayan Tuns)

30**.**   **2 368** days x 365 x **2 700** = 864 000 days
                              2 701

In the **diagram** on page one, a **triangle** containing **153** stars symbolizes the "**trinity**" and "**quaternity**" (four elements) to be found in the major religions of the world. A **quaternity** is a **Jungian** term standing for **wholeness** in the same way as a **circle** or a **sphere** can stand for symbolic wholeness. There are altogether **four triangles**, three triangles of **36** stars that make **108 stars** (12 x 9), to which is added a triangle of **45 stars** (5 x 9). The **sum** of all the figures from 1 to **9** = **45**, while the **sum** all the figures from 1- 17 results in **153.** We find that 112 + 45 equals **153**. This figure is also 17 x 9. The **ninth** odd number is 17. We notice that 170/ 153 = 10 / 9. The figure 153 has the numbers 1, 5, and 3 which sum up to nine.

The reverse of **153** is 351. The sum of all the figures from 1 to **26** = **351**. These two values sum up to **504**. We notice that 504 x 1 001 = 504 504. Of interest is the fact, that for the Mayans the *twin figure* **504 504** days is of **astronomical** significance.

31. **315 315** synodic periods of Venus of 584 days = **504 504** Haabs

32. **504 504** trop.years of the Mayans x 1.625 =**819 819** sidereal orbits of **Venus** (99.97%)

33**. 504 504** days = **864 synodic** periods of **Venus** of **583.91666**… days.

The ancient synodic **Venus** period of the Mayans equals **583.91666**…. days. **1 404   synodic periods** of **Venus** of 583.91666**…** days result in **819 819** days. The figure **819 819** is associated with the mythical Mayan ruler **Kukulcán**. We also notice that, **1 404** divided by   **864,** results in **1. 625**. These two figures will have been significant for the Mayans. They knew that **864** Haabs, very slightly rounded off, equal **1 404** sidereal orbits of **Venus** and **540** synodic periods of **Venus** of **584** days. (37 x 1 152 d.=42 624 d. =73 periods of Venus.)

34.   1 152 x **1 625** days = **1 872 000** days (d.), which is the Mayan Long Count.

35.   Noteworthy is that **7 007** synodic periods of **Mercury** of "**117** d." also equal **819 819** days.

36. 16 000 x **117** days = **1 872 000** days. (117 days is a rounded off Mayan count.)

Civil engineer **Hugh Harleston Jr**. points out that **Myrim M´gadla,** who later became "**Mary Magdalene**," has the **Greek** letter value of **378**. Harleston equates 378 "with the whirlwind of the material world, hence also a rotating **sphere**." We observe that **378 days** is a **Mayan** count for a synodic period of **Saturn**. The Long Count can be rendered by:

37. (**12** x 400 + **12** x **12**) synodic periods of **Saturn**, plus **3 168** days =**1 872 000** days.
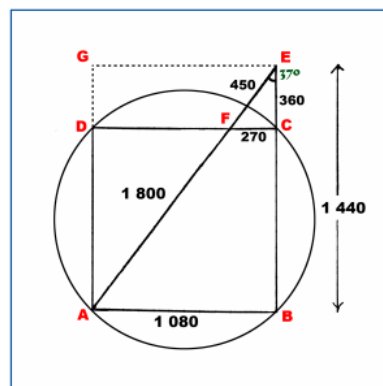In **Greek** gematria the figure **3 168** stands for the letter value of *Lord Jesus-Christ*. The Long Count can also represents **4 680** synodic periods of **Jupiter** + **4 680** days. The synodic period of

Jupiter was counted as **399** days by the Mayans. I believe that the Mayans knew about the **pentagram** that is drawn by **Jupiter** and **Saturn** in about **21 600 days**. Slightly rounded off, 21 600 days correspond to **five** sidereal orbits of Jupiter and **two** sidereal orbits of Saturn.

According to the Catholic scholar, **Margaret Starbird**, the biblical figure **153** in John 21 can stand for the epithet of the **one Mary**, *the Magdalene*, who carries the **Greek** letter value 153. Margaret Starbird sees the **union** of opposite priciples in the **sum** of the figures **666** and **1 080**. The first figure stands for the "magic" square of the **Sun** and the second one for the radius of the **Moon** in s. miles. In Greek gematria **1 080** also stands for "**The Holy Spirit**."

The sum of the Greek letter values of **666** and **1 080** equal **1 746.** M. Starbird points out that the **Greek** letter value for the **sum** of the biblical phrase " **a grain of mustard seed** " equals **1 746**. The Greek letter value 1746 was called by Plato " the Same and the Other " and "fusion."

<div align="center">The top triangle with the perimeter 1080</div>

The Greek letter value for the Holy Sprit (**1 080**), can also be associated with the figure **777 600** which in days equals 9 / 10th of **864 000** days. For the ancient Greeks a **Platonic month** seems to have been a round of **777 600** days**. Into a huge circle having the circumference of **864 000** days a box can be inserted, that has the **perimeter** of **777 600 days** to 99.96%. The figure, **777 600** square units, is the area of the 3:4:5 triangle with the sides **1 080**, 1 440, and 1 800. The figure, **777 600**, which is found in the symbolic remnants of the **Parthenon,** is also associated with **Athena** in the same way as **819 819** is associated with **Kukulcán**. Both figures can refer to synodic periods of **Venus**.

The **top triangle** in the above construction has the perimeter **1 080** days, the Greek letter value for **The Holy Spirit**. The **area** of the large **triangle** is **777 600** square units.

38.   **777 600** days = **1 332** synodic periods of Venus of 21 600 days / 37 (583.783783 d.)
39**. 777 888** days = **1 332** synodic periods of Venus of **584** days**.**
40.   **777 600** days x 12 = **9 331 200** days(Probably an old count for the precession.)
41**. 9 331 200** days x **1 314**/ **1 296** = 9 460 800 days, a Mayan count for the precession.

1 332 synodic periods of Venus equal the **perimeter** of the **triangle** with the sides **333**, **444,** and **555** periods of Venus. When we use the Maya count, **583.91666**…days, for a synodic period of Venus, we find:

42**. 777 777** days = **1 332** x 583.91666… days =1 001 x 21 021days = 777 777 days

It is worth noticing that 9 / 10ths of **170** equals **153** and that 9 / 10ths of **864 000** days = **777 600** days. 10 / 9 = 1(.)111… The **floating decimal** was used by both Greeks and the Mayans. The letter value of the Greek word **Iota** equals 1 111**. Iota** is the Greek vowel of the **Sun**. A circle with this **circumference** has the diameter of **Hermes**, **353**.6422836, which is given the letter value **353** in Greek gematria. A **circle** with the circumference **1 110**, represents the **harmonic mean** of the Greek letter values for **Jesus** and **Christ**. The diameter of the circle, **353**.33299737, can also be "equated" with **Hermes**.

43**. <u>888</u> x <u>1 480</u> x 2 = 1 110**   We let that **figure** represent the **circumference** of a **circle**.
     888 +**1 480**

44. The **square** inserted into this **circle of 1 110** has the perimeter **999** to 99.96%
45. As mentioned, **Jesus-Christ** can be associated with **864 000** days, when **2 368** Haabs
     are multiplied with the **Venus quotient 2 700** / **2 701**.

46. **864 000** days = **1 480** syn. periods of Venus, according to the count 21 600 days / 37.

I believe, that the Greek figure and count **2 368** days / years has originated from the **Indian** count of **864 000** days / years. Worth noticing is the fact that:

47. **2 160** synodic periods of **Jupiter** of **399** days, plus **2 160**   days = **864 000** days.

In **Greek** gematria the reverse of 216, the figure **612** (4 x **153**) stands for **Jupiter**.

The **sum** of all the figures from 1 to **27** equals **378**, which in **days** is the **Mayan count** for one synodic period of **Saturn**. The planet **Saturn** was said to govern the fortunes of **Israel** and **India**. Also the **Mayans** put Saturn in the foreground as a measurer of time. **27** is also the number of books in the **New Testament**. We notice that 73 x 73 + **27** x **37** = **6 328**, the Greek anagram of Jesus-Christ, who has the Greek letter value **2 368**. The sum of all the figures from 1 - 112 equals **6 328**.(The figure112 can be seen as the **perimeter** of a square with 4 sides of 28.)The formula used reads, 112 x 113 / 2 = **6 328**.

The Hebrew letter value for **JHVH** (Jehova) equals **26** and the Hebrew letter value for **Elohim** (God) is **86**. Thus the words, *Jehova Elohim*, have the combined **Hebrew** letter value **112.** The letter values of the **seven** Hebrew words of **Genesis** 1:1 add up to 2 701**.** If we add this figure to **3 627,** the sum of the **Greek** letter values for the **17** words of **John** 1:1, we receive the combined letter value of **6 328**. This value is said to be **the foundation of the Bible**. The figure **6 328** can be written as 73 x 73 + 27 x 37 or as the **sum** of six central figures: 112 +296+***888***+***1184***+***1 480*** +**2 368** = **6 328**. The underlined figures represent **The Greek Triangle** with the proportions 3:4:5.

In **Revelations** 22:12 Jesus refers to himself as the **Alpha** and the **Omega**. The **Greek** text has the full letter value for **Alpha** (532) but not the full spelling for **O**mega, instead it uses the value 800 for the single letter Ω. This gives the total letter value **1 332**.

48.   **2 368** + 1 332 = **3 700** (**2 701**+999)

The names of **the twelve tribes of Israel** sum up to the **Hebrew** letter value **3 700.**
The names of the twelve tribes can be split up in such a way that the first **five names** sum up to letter value **1 332**, the next **four names** carry the letter value **1 480**, and the last **three names**, **the foundation figures**, have the letter value **888**. Thus the figures of the Old Testament precede the Holy figures of the New Testament.

These **Hebrew** letter values existed **long before** the birth of Jesus who "carried" the names into the **Greek** alphabet by being referred to as both Jesus-Christ and as "the **Alpha** and the **Omega**". Thus Christ **1 480** {1+4+8 +(0) =13] can be seen as the **spokesman** of the **12** tribes of **Israel**, speaking for the **tribe** of **Levi**, the **thirteenth** tribe, set aside by **JHVH** for priestly functions. The proportions **5:4:3** of names of the **12 tribes** points to the first Pythagorean triangle. The "coincidence," that the figures **1 332**, **1 480** and **888** connect the chapter **Numbers** of the Old Testament with the Holy letter values of the New Testament, represents a profound mystery.

A triangle, having the proportions 3:4:5, having **3 700** as the hypotenuse, will have the sides 2 960 and 2 220. The perimeter of this triangle is **8 880**. When the units are labeled as days we find the Pythagorean rule:

49. $2\,220^2$ days + $2\,960^2$ days = $3\,700^2$ days. ($2\,220^2$ d. / 333 = **14 800** days.)

The **triangle** with the sides of 2 220, 2 960 and 3 700 has the **horizontal line** counted as **days**, the vertical and sloping lines have to be seen as **distance** in space. Days squared is restricted to **Kepler´s third** planetary law. "Days squared" can be seen as **divine time**. However, I think that the ancients, working with **geometric models**, allowed squared units to be replaced by "squared days". Thus $3\,700^2$ days= 37 500 "years" of 365. 06666666… days. $3\,700^2$ days also equals **37 482** tropical years of the Mayans to 99.9999953%

At the **Last Supper** Jesus identified himself with the gifts of **the Earth.** Our P**lanet** has the **Hebrew** letter value 296 (8 x **37**). Jesus-Christ (**2 368**) identified himself with both the Earth (296) and with the **Father** (the **Lord**) within him. Jesus-Christ´s Greek letter value, expressed in days, also connects Him to **synodic** periods of **Venus** and the **sidereal** orbits of **Jupiter**, as in the equations 14 -16, on page four. We also find the ratios:

50. $2\,960^2$ / **3 700** = **2 368**
51. $2\,960^2$ / **2 368** = **3 700**
52. $2\,96^2$ = 87 616 = **37** x **2 368** = 74 x **1 184**
Thus 296^2 contains the prime (**37**) of the creator times **2 368**.
However, if we use the **Greek** letter value for the single letter A (1) for *Alpha* and use the single letter spelling for **O**mega, then we get the letter values 1 + 800. In Greek gematria **801** represents "the" **Dove**, which also is a symbol for **The Holy Spirit** as in John 1:32.

We notice that the reverse of the figure **801** is **108**. The latter figure is a significant number in India, China and among Muslims. When we add **108** to (Alfa and Omega) we receive, **108** and **1 332** = 1 440. The figures, (**10 8**00 + **133 2**00 =144 000), show the potentials to make the biblical **144 000**.

Jesus-Christ as "864 000" d. and Athena as "**777 600**"d. gives the ratio 10 / 9. The Holy Spirit with the Greek letter value **1 080** has, as shown on page 7, a geometrical connection to **777 600** and Athena. Generally speaking, the **ratio** between the **circumference** of a **circle** and the **perimeter** of a **square** inserted into that circle equals, slightly rounded off, 10 / 9. If we multiply **777 600** by 130 and divide the result by 12 we find:

53. $\underline{\textbf{777 600 days x 130}}$ = 8 424 000 days = 32 400 Tzolkins (T). (36 000 T /1.1111 = 32 400 T)
      12

54. $\underline{\text{8 424 000 days x 10}}$ = **9 360 000** days = the period of the 5th Sun = 36 000 Tzokins
              9

Slightly rounded off, **8 424 000** days (equation 53) represent the **perimeter** of the **square** inserted into the **circle** of the 5th Sun consisting of **9 360 000** days. A more correct value for the **perimeter** is **23 088 Haabs,** which equals **8 427 120** days and agrees with the exact value of Pi to 99.998%. **8 427 120** days equal **444 Mayan** Calendar Rounds of **18 980** days.

By using the exact figure for the perimeter of the square, 8 426 960.719 days, we receive **2 660** days x **3 168** to 99.999%, or Pi correct to 1 /100 000.

55. $\underline{\text{8 426 960.719 days}}$ = **3 168** days to 99.999%
        2 660.025479

By using **26** x **888** Haabs and **the Venus quotient**, **2 700** / **2 701**. We receive the same result as in equation number 53. (26 is the **Hebrew** letter value for **JHVH** and **888** equals the Greek letter value for Jesus.)

56. $\underline{\textbf{23 088} \text{ Haabs x } \textbf{2 700}}$ = 8 424 000 days
                    2 701

57. The Greek letter value for John 1:1-5 equals **23 088.** We find that **23 088 Haab** equals 8 880 days x 949 =8 427 120 days, =3 120 days x **2 701**.(**2 701** is, as mentioned before, the **Hebrew** letter for the first **seven** words in the Bible.)

When we multiply the **anagram** of Jesus-Christ (**6 328**) with Alpha and Omega (**1 332**), we find that the product equals 8 426 960.719 to **99.98%** This may be another hint to the significance of the **perimeter** (23 088 Haabs) of the **square** inserted into the **circle** of the 5th Sun, the circle of 9 360 000 days.(d.)
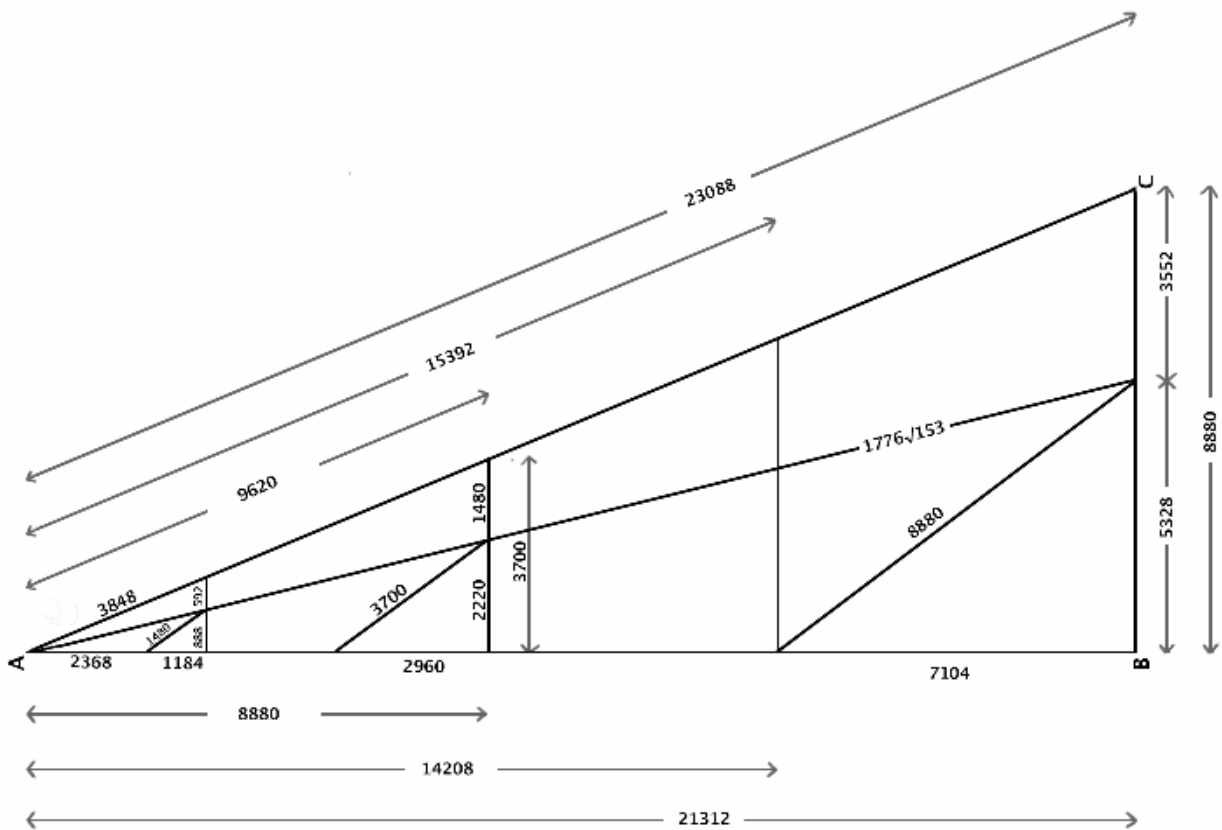
58. **6 328** d. x 1 332 = 8 428 896 d. = 1 776 days (0.00021%) more than 8 427 120 days.
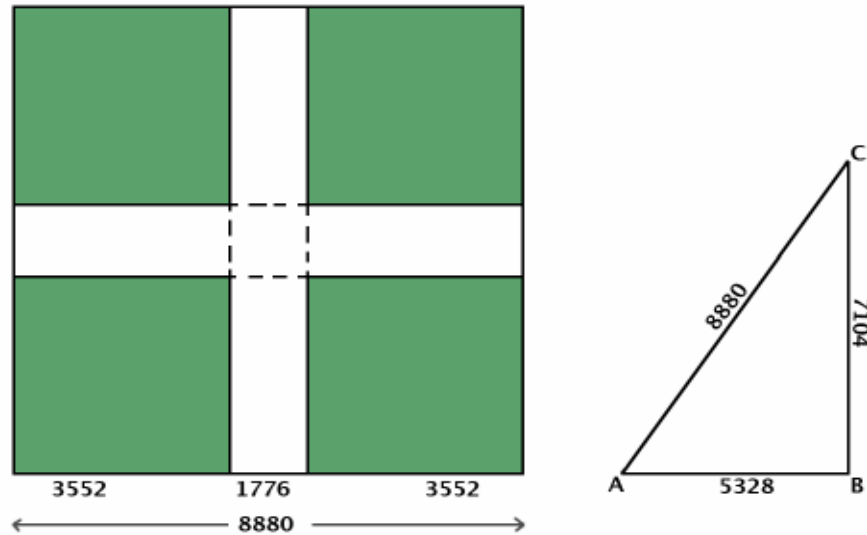The connection of 864 000 days with the harmonic Mayan number of 936 000 days is:

59.	**864 000** days x 13 / 12 = 936 000 days

The triangle with the sides **8 880**, 21 312 and **23 088** days(d.) and the minor triangle on the right side (inside it) with the sides 5 328, 7 104 and 8 880 days is shown below. (The original Haabs in the triangles below have been replaced by days). The area of the minor triangle is $1/5^{th}$ of the large one which has the proportions **5:12:13**. The total **perimeter** of the triangle equals **53 280** days.Thus the original **four** values, the **quaternity,** consisting of the figures **592 d.** + **888 d.** + **1 480 d.** + **2 368** = 5 328 d.) is **tenfold**. **Fourfold** 5 328 days results in **21 312** days which eqals **9** x **2 368** days.

 In the left corner of the triangle we notice the 5:12:13 triangle with the sides **1 480**, 3 552 and 3 848 days, and the 3:4:5 triangle within, having the sides **888**, **1 184** and **1 480** days. The combined areas of the two triangles equal **3 154 176 days** = **1 776** ^{2} **days**. When we sum up the hypotenuse of **1 480** days and the hypotenuse of **3 848** days, we get **5 328** days. (4 x1 332 days)

60.	1 776 ^{2} days = **5 402** x **583.890411** days = **2 368** days x 1 332

The triangle with the sides **5 328, 7 104, 8 880** is to be seen as **"seperated from"** the triangle with the sides **8 88**0, **21 312**, **23 088** days. **Combined** the two triangles on page 11 give the areas 5 328 x 7 104 / 2 days, plus **8 880** x 21 312/ 2 days =**10 656 ^{2} days**.

61. 18 925 056 days + 94 625 580 days = 113 550 336 days =**10 656 ^{2} days**.
62. **10 656 ^{2} days** = 9 x 73 x **296** x **583.890411** days = 144 x **888** x **888** days

The White Cross, in the square of **8 880 ^{2}** days, has the area **5 328 ^{2} days**.

63. **5 328 ^{2} days** = **37 x 1 3**14 x 583.890411 **days** =6 552 sidereal orbits of **Jupiter**
64. The **inner** square of 1 776 ^{2} days = is 1/25^{ths}, 4% of the square of **8 880 ^{2}**days.

When the area of the **inner** square, 1 776 ^{2}, in the square of 23 088 ^{2} respectively 8 880 ^{2}, is treated as **one area** this equals:
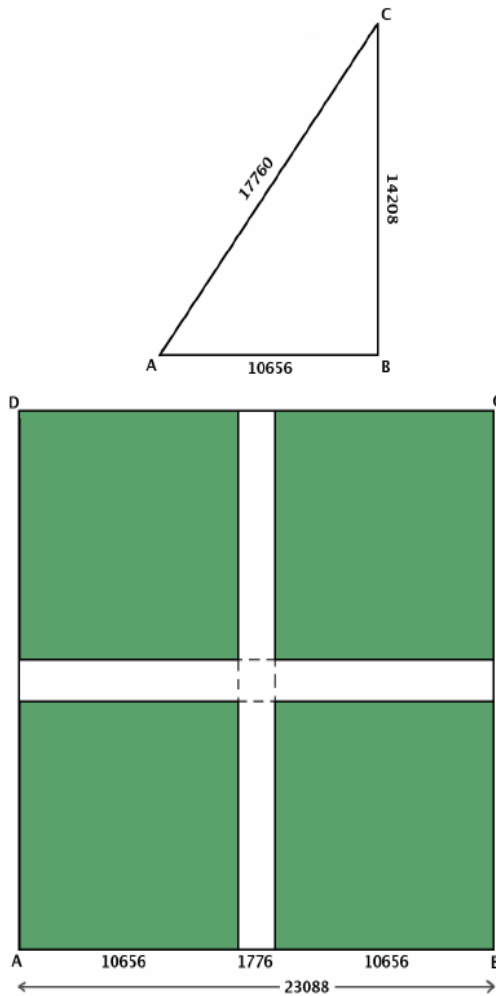
65.   2 x 1 776 ^{2} days =4 x **2 701** x **583.890411** days = 7 104 x **888** days
66.   2 x 1 776 ^{2} days = 2 x **2 368** x 1 332 days = 2 x (Jesus-Christ x Alpha and Omega).

The quaternity (592+ **888** +**1 480**+ **2 368** days) = **5 328** days.
This allows for equation 63, which describes the **White Cross** of **5 328 ^{2}** days, surrounded by the **green area** of 7 104 ^{2} days. The **inner square** binds up the four **green** outer squares.

67.   **5 328 ^{2}** days +7 104 ^{2} days = **8 880 ^{2}**days

13

The 3:4:5 triangle with the perimeter **42 624** days has the sides 10 656 days, 14 208 days and 17 760 days. The ratio area / perimeter = 1 776 days

68.   **42 624** days = **73** synodic periods of Venus of **583.890411** days.

The square of **23 088** ^{2} is a projection of the 5:12:13 triangle with the sides 8 880, 10 656, and 23 088 days.

69.   The White Cross of **8 880** ^{2} days = 370 x 365 x **583.890411** days
                     The White Cross of **8 880** ^{2} days = 50 x **2 701** x 583.890411 days

70.   The area of the inner square =**1 776** ^{2} days, is a 169th part of the square 23 088 ^{2}
71.   1 776 ^{2} days = **2 368** x 1 332 days (Jesus-Christ x Alfa and Omega)
72.   1 776 ^{2} days = 5 402 x **583.890411** days
        1 776 ^{2} days = 2 x **2701** x 583.890411 days
The **inner** square area, **1 776** ^{2} days (d.), binds together the four surrounding squares.
73. The **ratio**, **four green areas** / inner square of 1 776 ^{2} d. = 21 312^2 d. / 1 776 ^{2} d. = **144.**

14

In the introductory lines I showed that parallels can be seen between twice **77** and the letter value of *the Magdalene* (153). Twice **77** = 154. The **sum** of the three figures 1, 5 and 4 equals 10. **Ten** "reduces" to **one** and also stands as the symbol for "the One." Thus there is also the interpretation, The "One" plus *the Magdalene* (153) equal 154 (22 x 7 = 2 x 77). **Thus *the Magdalene*** and "the shape of the fish" are **One**. The circle with the **diameter** of 49 (**7** x **7**) has the circumference **154,** when **Pi** is given the value **22/7**. We remember that **seven** disciples were around Jesus when he manifested himself for the **third** time at the Sea of Tiberias. (John 21)

("Jesus + the Magdalene") can be "seen" as the circumference (***153 +1***) of the circle with the diameter 49 and at the same time, the "invisible" **centre** of that circle. *"Nature is an infinite sphere in which the centre is everywhere, the circumfererence is nowhere,"* writes the mathematician and philosopher Blaise Pascal. We can extend this symbolic analogy from the **circle** to the **mandorla** often depicted like this (). This is the the sign of the Vesica Piscis. (See the diagram on the next page.)

The figure **153** is the product of the cube of the **first three** odd numbers 1, 3 and 5,
(1 x 1 x 1 x 5 x 5 x 5 x 3 x 3 x 3) which generally are taken as **yang** numbers. If we, however, add the numbers 1, 5, and 3 we reach **nine**, the **archetypical number** of the feminine aspect. The **sum** of all the figures from 1-17 equals **153,** which also can be stated as 17 x **9**. We notice that **17** is the **ninth** odd number.

The figure ***nine*** is associated with the supreme entity of the Mayans, **Hunab Ku,** the giver of movement, measurement and love. When we add **153** to the number **112**, the combined **Hebrew** letter value of **JHVH** (26) and **Elohim** (86), we recieve **265**. The irrational ratio for **265 / 153** equals, very slightly rounded off, **the root of three.** A **Vesica Piscis**, the measure of the fish, with the **horizontal** axis 153, has the **vertical** axis of **265** (page15). The figure **153** can also be seen as a **balancing point** between **108** and **216**. These two figures were sacred numbers to the ancients. Thus the figure **153** shows a **double** indemnity with respect to the figures 154 and 265 / 153. A Vesica Piscis, a mandorla, with the horizontal axis of 1, has the vertical axis of the root of 3.

75.   153 divided by the root of 2 = 108.1873375
76.   153 multiplied by the root of 2 = 216.374675

Into a Vesica Piscis with the vertical axis 816 and the horizontal axis **471**.1178187, can be inserted a square that has the **perimeter 1 332**. A **circle** with the circumference **1 480**, can be drawn around the square. The figures **1 480** and **1 332** are correct to 99.96 %. 1 332 is 9/10th of **1 480**. A still more correct figure for the **square** is found, when we in the above equation multiply 1 480 with **the Venus quotient**, **2 700 / 2701**. Then the square inserted into the circle equals **1 332** to 99.998%. When we use 22 / 7 for **Pi**, then the **circle** with the diameter 49 has the perimeter 154.

77.   49 **x 22 / 7** = **154** = 22 x 7 = **77 x 2**
78.   **153** times the roots of 3 = 265.0037736
79.   **265 divided by** 153 is the root of 3 to 99.998%

I think that I have managed to illustrate that the **Venus** count, **583.890411** days, for a synodic period has been used on both sides of the **Atlantic**. This count can be associated with **Abraham** (144), **Jesus-Christ** (**2 368**) and the synodic period of **Venus** of 584 days.

80. $\underline{\textbf{2 368} \times 144 \text{ days}}$ = 584 days
    583.890411

I have also shown that by "**doubling**" the Greek letter value of **Jesus-Christ**, and by taking the relationship 13/ 12 into consideration, the Long Count can be calculated with the help of the Venus quotient, **2 700** / **2 701**. We remember that **936 000** days is a harmonic Mayan count. This **count** doubled results in the Long Count.

81. $\dfrac{\textbf{4 736} \text{ Haabs} \times 13 \times \textbf{2 700}}{1\,2 \times \textbf{2 701}}$ = 1 872 000 days as proved in (CODE) Part II
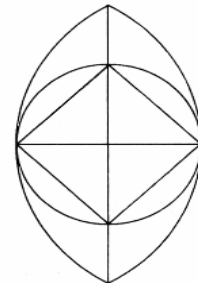
Another count, based on the 5:12:13 triangle with **1 480**, 3 552 and 3 848 Haabs is:

82. $\dfrac{3\,848 \text{ Haabs} \times 4 \times \textbf{2 700}}{3 \times \textbf{2 701}}$ = 1 872 000 days

83. **3 848** sidereal orbits of Venus are **2 368** tropical years of the Mayans to 99.97%

84. **2 368** Haabs = **1 480** synodic periods of Venus of 584 days.

Carpe Diem!

Vigor.Berg@telia.com
Näckens väg 7
37451 Asarum /copyrighted November 29th 2006
Sweden

Referencies used:

C.G. Jung
José Argüelles
Patrizia Norreli Bachelet Peter Bluer
Kenneth Borg
Carl-Johan Calleman
Richard Amiel Mc Cough
David Fideler
John Major Jenkins
Vernon Jenkins
Hugh Harleston Jr.
Walther Heinrich
Sepp Rothwangl
Blaise Pascal
Margaret Starbird
Hartmut Warm