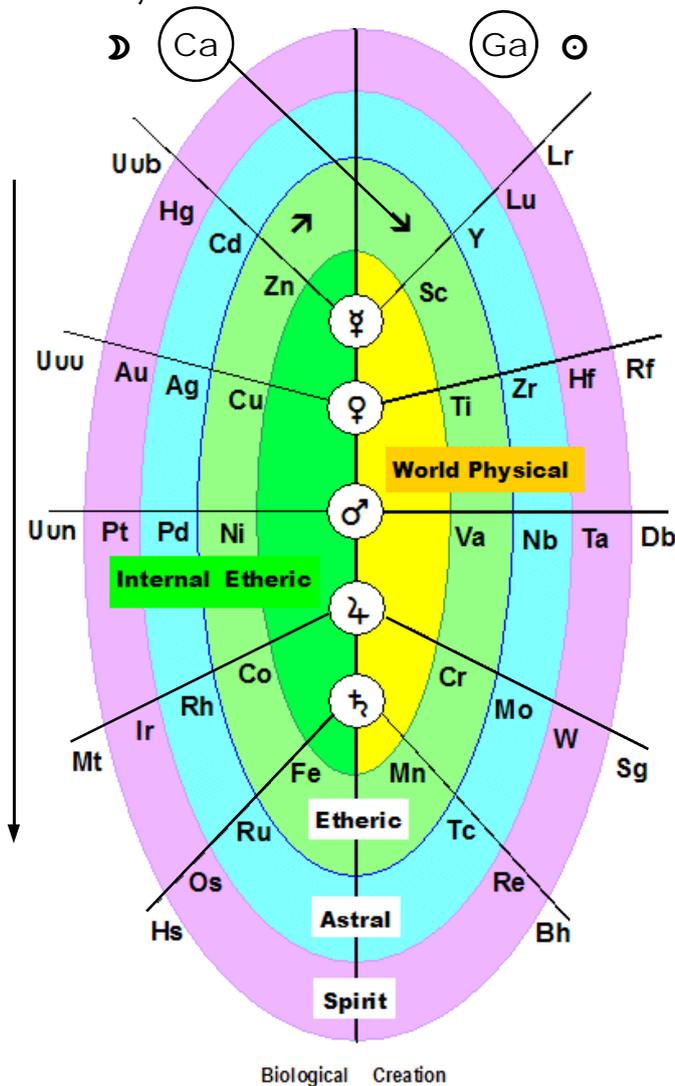




This action achieves a couple of things. Firstly, it allows these elements to be placed upon a circle, which then brings them into some context with the gyroscopic references. Secondly, due to the 'flip' that occurs in the lemniscating process, the elements become reversed within the references to the Internal Etheric and World Physical.



In this picture the flow of elements begins with Calcium (20) and moves to Sc (21) and around the circle till Zn (30) and on to Gallium (31).

This reverses the relationship of the trace elements to the 'major' gyroscope. The elements from 21 to 25 were previously on the Internalised Etheric side. They are now placed on the World Physical side of the diagram.

In keeping with RS indication for interpreting the practical use of these lemniscate flips, the elements can be read from Calcium to Zinc, Copper and around to Scandium before moving onto Gallium and onwards.

This suggests that due to their placement with the Internal Etheric activities we would expect the elements Zinc, Copper, Nickel, Cobalt and Iron, will be more active in the support of life processes, than those from Manganese, Chromium through to Scandium. The later elements would be expected to be more related to building structure and fixing forms. Hauschka identifies Mn, Cr and Va as elements that enhance sclerotic processes.

### Ten Elements - Fifth harmonic

There are four bands/rings of transition elements, which provides a relationship to the overall spiritual bodies RING they are placed in. In each of these ring sets there are ten elements.

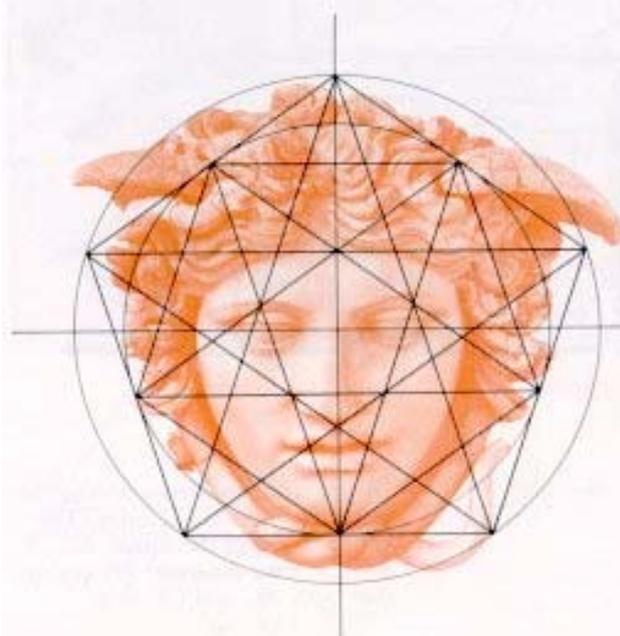
The MAJOR gyroscope naturally falls upon the 8 arms. This places the MAJOR elements in the second harmonic of the circle, with its multiples of 2,4,8 being present in their relationships. The basic degree division of the circle being 45 degrees.

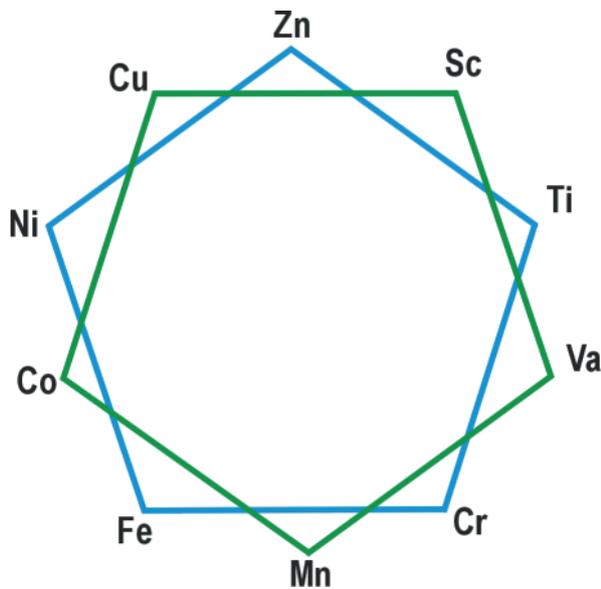
The trace elements on the other hand, being ten in division, suggests they are resonating to the fifth harmonic of the circle. The basic degree division being 36 & 72 degrees. The form arising from this five / ten fold division of a circle is the pentagram.

"Amongst the Hebrews, the five point symbol was ascribed to Truth and to the five books of the Pentateuch. In Ancient Greece, it was called the Pent alpha. Pythagoreans considered it an emblem of perfection or the symbol of the human being. The pentagram was also associated with the golden ratio (which it includes). The dodecahedron, the fifth Platonic solid, which has twelve pentagonal faces, was considered by Plato to be a symbol of the heavens." (1)

A range of five fold relationships can therefore be investigated to help identify their nature.

This number can be expected to be an important indicator of life processes, easily seen in the five





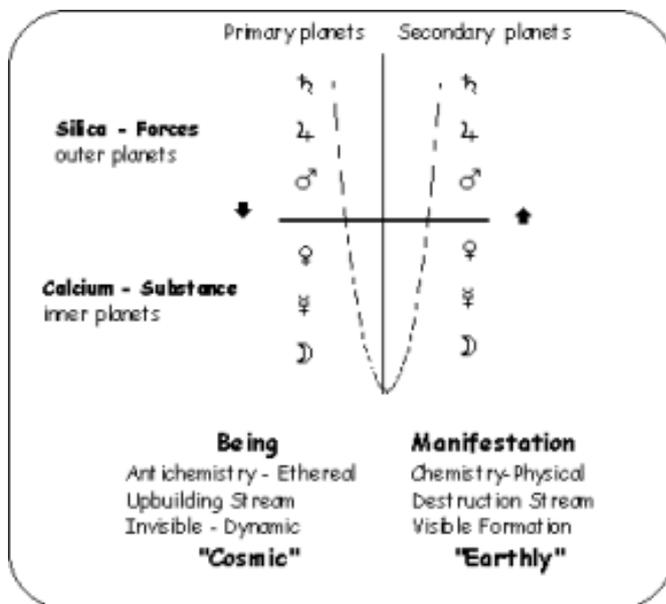
fold nature of the human body. Pythagoras, the father of mathematics, identified the relationship of the pentagram to the activities of life, through its exact expression of the 'Golden Mean' ratio. - **1 : 1.618** - It is well recorded that the 'Golden Mean' manifests in the relationships found in life forms and can be said to be the algorithm upon which our holographic creation manifests. This is seen in such things as the ratio of the length of the bones in the hand to each other, the ratio of the face and our view of beauty, the proportions found in plant growth, the sharemarket movement and so on.

In the above pentagram picture, a tenfold division is represented as two pentagrams, one inside the other, which provides an image of the ten fold division we find in the trace elements. This is one indication that the ten elements could be split into two groups; Pentagram A and Pentagram B.

### The Planets

Whenever a five fold series is identified it is possible to relate them to the five planets from Mercury to Saturn. The Sun and the Moon are treated as 'parents', while the other planets are their 'children'. The Moon could be allotted to Calcium and Gallium the Sun in this instance while the other planets are assigned to two elements each. ( see previous page ). This places the Moon with Calcium and a ruler of the Internal Etheric processes, while the Sun is placed with Gallium and rules the World Physical process of manifestation

With this planetary reference comes the possibility of finding a relationship to the plant. This form of double activity of the planets in relation to plant growth can be seen in my chapters on 'Biodynamic Plant Growth', and was put forward in Biodynamic literature by Goethe and developed further by Dr Lievegoed.



The primary process is seen as a developmental (Being) phase, which culminates in germination, followed by a secondary manifestation phase, where the form of the plant we are familiar with grows and finally reaches seeding.

With the transition elements, this 'being' phase, I anticipate is shown in the activities of the elements of the Internalised Etheric while the 'manifest' phase is shown in the World Physical side of the group.

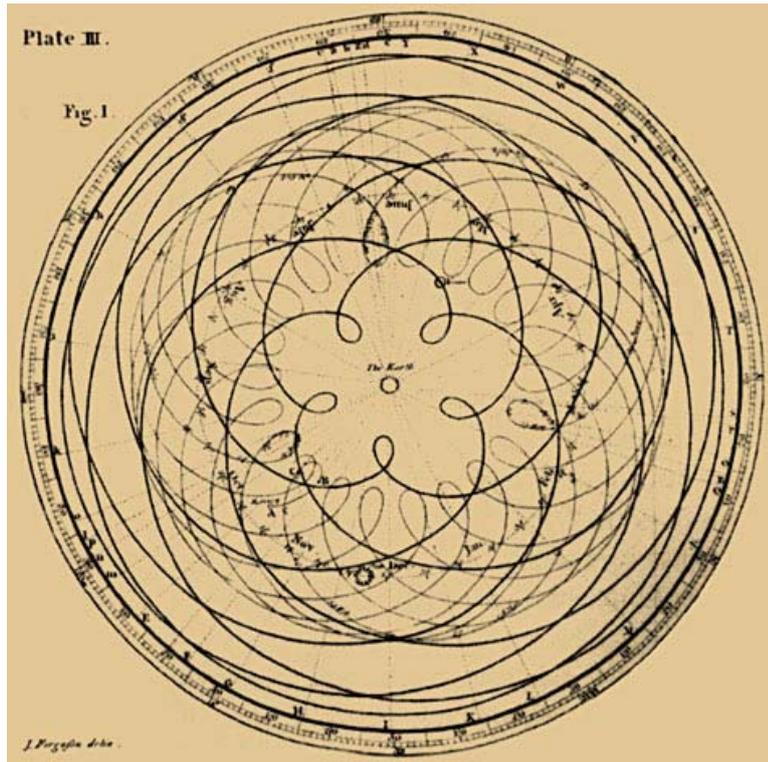
We can use the planets to deepen our understanding of the quality of the element and then possibly to the plant processes it might effect.

This suggests that Zinc will be a primary Mercury activity, while Scandium will carry a quality of the secondary Mercury activity. In plants Mercury has to do with sap flow and expansive, running growth, Venus

flowering, Mars, fertilisation and protein formation, Jupiter oil formation, while Saturn has to do with seed formation.

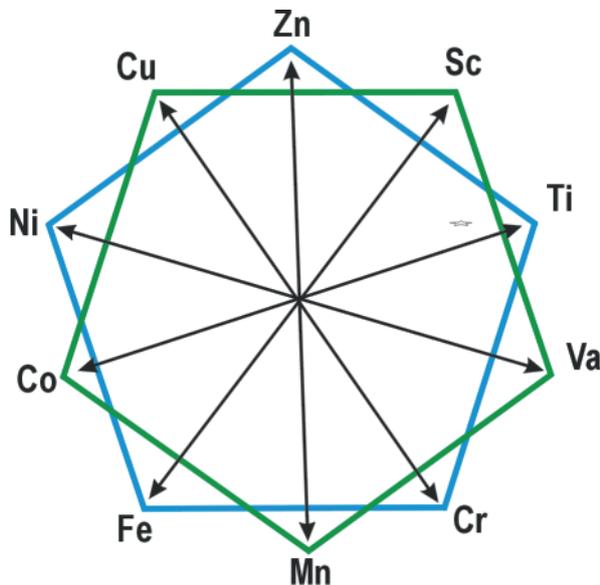
### The Fivefold Venus Path

A further fivefold division that can be referenced is the Venus related pentagrams formed by the Superior and Inferior conjunctions of Venus and the Sun. Over an eight year period the path of these conjunctions forms two pentagrams in the sky. The diagram on the following page shows the Venus



path. The obvious pentagram in the middle is the Inferior conjunctions while the Superior conjunctions occur when Venus is at the extremity of its cycle, so that pentagram is drawn on the outer circle.

This provides an image of two separate pentagrams. In 'the' literature these pentagrams are often described as one pentagram with a single point to above, and the other with two points above. Pythagoras and others identified the five fold process as being made up of the four elements of Earth Air Water and Fire with Spirit being the single point above. This represents the four elements dominated or organised by spirit. Some occult groups have given this symbol to people who had achieved a high degree of initiation. The pentagram with the two points at the top is therefore understood to represent matter dominating spirit, and was given to the lower level of initiates, who no doubt were still at the stage of their astrality dominating their spirit.



What I would like to take out of this reference for the transition elements, is the image of a spiritual or coming into 'Being' pentagram group, and a more Earthly or 'Manifest' pentagram. Which is which, I expect, will arise out of a closer inspection of the elements, however a suggestion can be made.

The inferior conjunctions are those where Venus is between the Sun and the Earth, while the Superior conjunctions have Venus on the opposite side of the Sun to the Earth. So one has Venus' activity strong and close, while the other has Venus away, even blocked by the Sun.

With Venus being a feminine planet, you would be expected to find less feminine and more masculine qualities associated with the Superior conjunction set. Copper is the Venus metal and so its group would be expected to be associated with the inferior conjunctions -

lets call them Pentagram B, while the Zinc set would become associated with the superior conjunctions - Pentagram A.

Another relationship that would naturally be suggested for investigation from the fivefold division is the polarity or opposite relationships between the elements.

