

ATHARVA VEDA.

SUKTA 1.

Ye trishpta: pariyanthi vishwa
States seven cubed: limit universal manifestation

rupani bibhritha:
forms spectrum

Vachaspathir - bala thesham
Oscillatory - intense focussed

thanvo adbad dhathu
synchronised simultaneous singularity
soul,element

mey.
Interact, measure

MEANING:

These seven cubed states:
The spectrum of manifestation changes continuously
To the very limit of Universal manifestation.
Intense oscillatory interactions focus them
into a simultaneous, synchronous, singularity.

EXPLANATION:

It is based on Sankhya axioms. Volume divided by unit volume equals change in form into number of forms. If volume is length cubed as Lp^3 and unit length cubed Moolaprakriti as my^3 . Then if each form is 7^3 and the limit number of manifestation as C^3 then the Ratio of Lp^3 / my^3 must equal $C^3 / 7^3$. $Lp = c \times tp$ and $my / 7 = tp / c$ or $c^3 \times tp^3$. Then $Lp/my = c^2 / 7$. Hence $C = c^2 \cdot ((Lp^3 \times 7^3)/my^3) = c^6 = C^3$

SUKTA 2

Punarehi *vachaspathe* *devena*
Again vibratory weave
protect

Manasa *saha*
Mind with

Vasoshpathe *ni* *ramaya*
Brain control absolute resting

Mayayevasthu *mayi* *sbrutham.*
States of rest consist Dynamic vibrations

MEANING.

It describes the Siddhi state in Sutra 6 of Sankhya hence will not be repeated here.

SUKTHA 3

Ehayvabhi vi thanu- bhey
Here blow light body
Splendour, colour, reflection

Aath neeva jyaya
stretched as if Bow string

Vachaspathi ni ya achha thu
Oscillations continueing Light/airy Pure but

Mayyevasthu mayi shrutham.
States of dwelling consist Dynamic vibrations

MEANING.

Has a direct bearing on the three Guna principles forming the foundation of Sankhyan principles which again is embodied in the Gita symbolically as the bow and is explained fully in that chapter in my book

SUKTHA 4

Upahoo tho

Doomed so

Censured

polluted

Vachaspathi rupas man

oscillatory form measure

Vrithi =Photon

Vachaspathi hvary---atham

Vrithi called this

Sama shruthen

Equal vibrations

harmonic

Gamey mahi ma

Reach large measure

Touching intense contain

Shruthen Viradh ishi .

Vibration Opposition to go

interact

MEANING.

The interactive state that is sustained perpetually and is dealt with in the book.

A deeper and holistically structured explanation:

The thrice seven that go about , bearing all forms let the lord of speech assign to me today their powers, their selves.

The meaning of thrice seven holistically is seven cubed = 343. The logic is from fundamental Sankhya principle of reducing everything to its lowest common denominator before reconstructing it to attain total understanding. If one reduces a substance under investigation to its smallest component beyond which it cannot be reduced then the component logically has a unit linear dimension and the next incremental dimension is 2 since fractional dimensions cannot be had at this level by logic. Hence volumetrically one cubed =1 and 2 cubed =8. Therefore seven volumes are hidden in the increment of one unit or doubling of scale. The radius of each hidden volume will be equal to the cube-root of volume dimension : vol 1= 1R, 2 =1.26R, 3= 1.442R, 4= 1.587R, 5=1.71R, 6= 1.817R, 7= 1.913R and vol 8= 2R. Any volume is described by the three directions or axis and a cube or a sphere is unique case of all the 3 axis being equal or synchronised but if not equal or synchronised then the discriminatable variations are the product of the three axis which can vary from 1 to 7 in one scale of 1 to 2. Therefore the maximum variation of all the axis will be 7X7X7 or 343 when increasing a scale by one unit or at the fundamental level a doubling of scale occurs.

Referring back to the Rigveda slokas 1 to 9 ,expansion of the fundamental field provides the motivation ,force or energy to move or travel . Now the first part of the verse means that 343 forms are variations, which are possible, move or radiate due to the expansive quality of the fundamental field at a scale level of 1 to 2.

In human beings speech is motivated by the movement of air by compression and expansion for which the motive power is derived from within the body by the cells of the muscles. However the maximum force that can be generated can be equated to the air pressure surrounding the body. But the scale of matter around the body is different from the fundamental level , wherein the 343 forms have been identified. If the scale changes the 343 forms will also proportionately increase. Scales change on expansion(or volume increases) by integer units. The modern temperature scale is such a scale change. The absolute is minus 273 degrees kelvin or the atmosphere has increased in scale 273 times the basic or absolute level. Therefore the potential surrounding the body is 273 X 343 possible form variations equaling 93639 at standard temperature zero kelvin. Allowing for a room temperature = 273+27=300. 300X343 = 102900. Air pressure in newtons/kg is 101300 at stp at sea level. Taking a cubic meter as an absolute standard the proportionality is remarkable, though the mathematics is different.

The second part of the verse refers to the pressure of the atmosphere that determines the potential to produce speech. The final part refers to the cells that generate the motive force. But the key element referred to as "lord" and " selves" are the genetic material which controls the structure of every cell and it is implied that it can be altered . The tone of the verse gives the impression of an appeal but holistically it must be interpreted as a conditional theorem in holistic logic.

Note. Theoretical physics faced three irreconcilable problems. One was that matter must have infinite degrees of freedom to change or radiate energy. Two, every degree of freedom must contribute an equal energy quantity at all levels of interaction

And three, experiment and theory can and must confirm each other at ALL levels.

It is intellectually very satisfactory to note that the Sankhya principle of logically arriving at the substratum and restructuring science through holistic logic eliminates the paradoxes, catastrophes and anomalies. Measurements are relative and need a definite differential that is within the scale of the observer. Hence at the absolute level EXPERIMENT CANNOT confirm theory. The above vedic theorem solves the problem of the infinite degree of freedom at the absolute level BECAUSE THE DEFINITION OF A UNIT AT THE FUNDAMENTAL LEVEL FORBIDS FRACTIONS AND THE INCREMENT FROM SCALE ONE TO TWO CANNOT HAVE MORE THAN $(2^3 - 1^3) = 7$ VARIATIONS PER AXIS AND $7^3 = 343$ FOR ALL THE THREE AXIS SIMULTANEOUSLY.

Next the 343 units form the basis for the fundamental quantum for it cannot be fractionalised. Rescaling 343 to velocity of light gives the modern Boltzman constant of $343 / c^3 = 1.273E-23$. This value multiplied by the factor 1.087 gives the figure of $1.38E-23$ as the correct boltzman constant per degree rise or the rate of increase in volume change per second from volume 8 to volume 7 or radius of 2 units to 1.913.

Why volume 8 to 7 or radius 2 to 1.913 ? Because the fundamental or unit volume of one cannot be detected or measured and the next volume with the the incremental unit radius of one is 2 or 2 cubed = volume 8. All measurements are relative to volume 8 or radius 2.

An increase in the rate of 343 can only take place by a decrease in relative time equal to ONE volume unit, which is possible only from volume 8 to volume 7 due to the inability of the observer to detect the fundamental unit volume but can discriminate a differential drop or rise in a base of 8; that is $(8 - 1) = 7$ upon 8 or $.125$ which in reality is equal to the fundamental volume. Hence $343 \times 1.087 / c^3 = 1.38E-23$.

When time period of less than one second is to be considered then the frequency of the rate of change has to be considered and will dealt with in a later chapter.

The first six verses.

W.D. Whitney's translation in English from a range of manuscripts forms the basis of this holistic interpretation. Few authors have attempted translating the Atharvan, in the mistaken belief the contents bordered on black magic and had therefore given it a low priority. While full marks must be given to Whitney's efforts at translating sanskrit literature in the spirit prevailing in his time, the results have been disastrous. Had these translations been taken absolutely seriously then humanity would probably never again have looked at the atharva veda as anything else but pure gibberish. Fortunately there were a few doubting Thomases around and sought another look, and what do you find ? A gold mine of information that modern science is still uncovering. Why did Whitney and others fail to discover the true meaning? Normal human thinking and analytical processes depended primarily on left brain or sequential processing and as a result translators confined themselves to a mere application of rules in a sequentially logical fashion. The right brain on the other hand processes nuggets of information instantaneously as a complete set. The letters C A T sequentially spelt and pronounced does not represent anything meaningful until the three letters are combined and pronounced as a unit when the picture of the popular feline pet comes through. The combination of sequential and simultaneous logic makes for complete understanding in a decoding exercise and it is a holistic process. The most important clue to deciphering the Atharvan lay in cross referring the other three vedas. The second verse in the Rig veda in fact is the starting point for the Atharvan's first six verses. Above all the fundamental theoretical principle that formed the basis of the vedas was the Sankhya Theory, which has been dealt with in detail in another chapter. As there is no translation of the Atharvan equivalent to the Rig veda, I have taken the most objective translation available through Whitney et al. Weber and Griffith have rendered the very first verse of the first hymn as follows :