

GOES IN
WHITE PAPER
IN
GILCHMIT

POTENTIAL ENERGY COSMOLOGY

Potential energy is a form of energy due to the position or state of a body or physical system. Work or force is manifested when potential energy possessed by a body actualizes because of its motion. This energy or force emanates from what we call the Mean Rest Position of potential. This is the center about which atoms or molecules in a crystal lattice vibrate into a thermal energy. Potential energy is also equai-potential, that is, it has a constant electrical potential. It possesses a surface in space over which all points have the same potential. Equai-potentials are always perpendicular to electric flux lines so that no work is done against electric forces in moving small charges in any direction on an equai-potential surface. The measurement of this is called a zero potential which is a reference potential of constant value with respect to which the values of other electric potentials can be stated.

From the nothingness of potential there evolves an "original" energy which we call an internal energy. This is the sum of all kinetic and potential energies of the atoms and molecules of a system. The internal energy system cannot be determined, only changes in its value can be measured. Actually, we believe the "original" energy never changes. Rather the environmental focus changes and takes new form. This equai-potential energy takes the form of a single crystal. This crystal is repeated thousand of times in any direction without irregularity. This then forms a crystal lattice which is the continuous arrangement of atoms and molecules within a crystal. This is also known as the ordered internal structure, which reflects the nature of the internal energy. This is the structure possessed by material substance with a crystalline structure. Individual atoms or molecules remain in the same rest positions in the crystal lattice even when thermal energy varies due to temperature variation.

This then brings about molecular vibrational energy. This is the energy of an atom or molecule vibrating about a mean rest position in a crystal lattice. Vibrational energy include kinetic and potential energy. This then produces what is known as a moment of a force. This is the product of the force acting to produce a turning effect at the perpendicular distance of its line of action from the point of axis of rotation. The mathematical formular for this is force times distant equals moment. Another name for this moment of a force is called torque. This is the action that converts potential energy. This is generated by the "seeking" action of potential. (This may be caused by a stimulus of like potential to like potential). This also relates to what is known as mechanical energy. These are forms of energy which can be possessed by bodies or physical systems because of their position or motion.

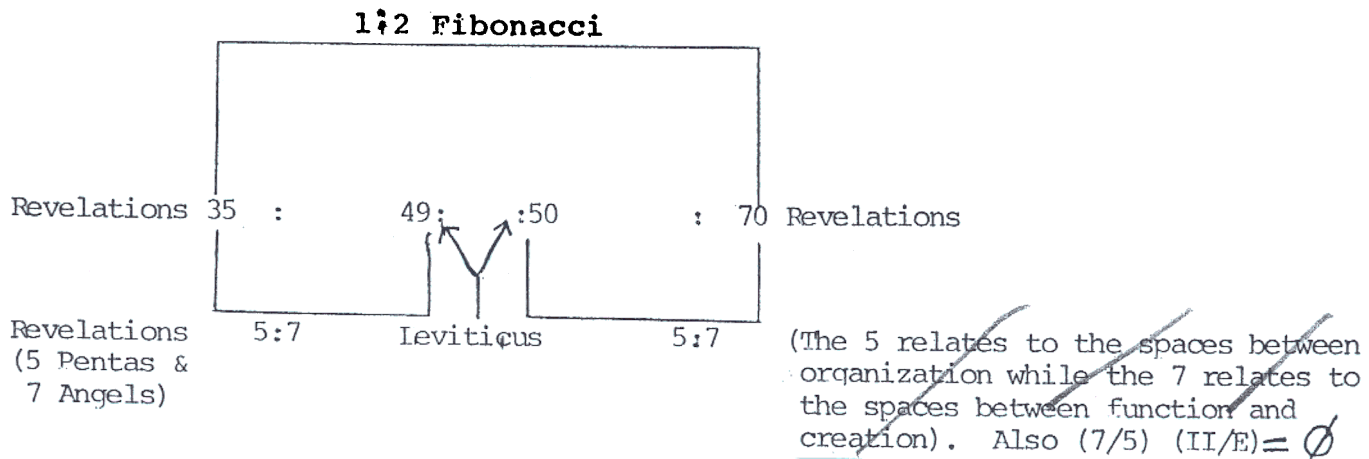
For instance, they can be vibrational, rotational, kinetic and potential energy. We should point out to the reader here that we are identifying potential energy as a physical force. We would further indicate that the energy which stems from the nothingness of potential is not identifiable at this time.

The molecular vibrational energy possesses a thermal energy. The crystal lattice that is established sets up lattice vibrations which actually generates simple harmonic vibrations of atoms or molecules in a crystal lattice due to thermal energy. This occurs around a mean rest position. This then sets up what is known as a precession. This describes the situation when the axis of rotation itself revolves around the vertical in a conical path as a result of an applied couple acting on a rotating body at a line perpendicular to its axis of rotation. This actually organizes and functions in a gyroscopic fashion. The grid and its components are organized in such a fashion that it appears or operates as a rotating wheel fixed so that the movement of its support does not alter the direction of its axis of rotation. An applied couple tending to alter the direction causes the wheel to precess about this direction.

When the crystal comes under stress, which is generally caused by the rotation of; the moment of a force or torquing, we then have a piezo electric effect. Here the crystal acquires equal and opposite electric charges on opposite faces and an electric potential differential is developed between them. Also, the application of a compression wave causes a generation of alternating electro magnetic fields.

The direction which these electrical forces take is depicted by what is known as electric lines of force which is used to represent the directions in which these electric forces would act as a point positive electric charge and electric field. Now this point positive electric charge may well be identified as the center, the nucleus, the mean rest position. These electric lines of force as well as equai-potential stem from around a point charge or a moment of rest. Conventionally a line of force starts on a positive charge and ends on a negative charge.

Electrical and other energy forces are manifestations of frequencies, ratios and patterns. The initiating frequency is demonstrated by the Fibonacci series (1-2/see figure on Page 1). An example of this model of frequency, ratio and pattern is shown below connecting Fibonacci, Revelation, Leviticus and the Mystical #7.



Frequencies, patterns and ratios can also be related by way of the B foldway class of hadrons for an octet and decuplet of baryons. Hadrons belong to a family of 1, 8, 10 and 27 members each representing a frequency, pattern and ratio. Decuplet relates directly to the Cabalistic name of God. Plato and Eudoxus each viewed the universe as through models of 27 spheres. The cube and the octagon both reflect 27 aspects. The 8 and 10 are considered measurements and found in the Book of Jeremiah.

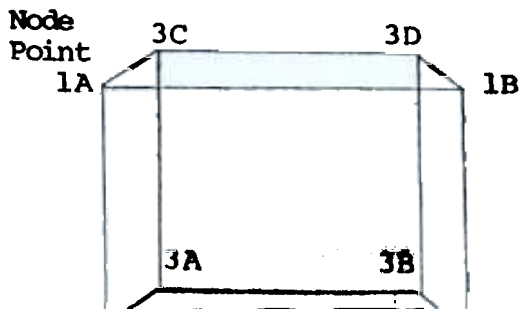
Decuplet (called
The Tetrays by
Pythagoros)

-3/2 -1 -1/2 0 + 1/2 + 1 + 3/2; the base has 7 parts;
includes both points
and spaces.

As a tetrahepra, the sum of points is 19. As a pyramid, the sum of points is 12 + 8 + 4 + 1 = 25. When inverted pyramid is added we then have 49 points with the same center point for each. This "as above, so below" structure continues on by (Luke: 20-17) its corner points (as well as the center, focus point) is "the stone which the builders rejected, the head of the cornerstone". The 49 relates to Leviticus and the "Release Year".

Potential Development Process

It would appear that stars die and are born the same way, they explode. This gives us a clue to potential development. Potential points (points of focus, pressure, nodes) explode into a (holographic) multi-dimensional array. This array, initially, takes the form of rays extending out from the center of the cube. This occurs in a chain reaction format which itself occurs at the speed of light, or faster. This array resembles a huge fireworks sunburst display with one sunburst leading to another, to another, etc. developing in geometric progression and arithmetic progression. This explains why genetics finds cells expanding at rates of 2, 4, 8, 64!!



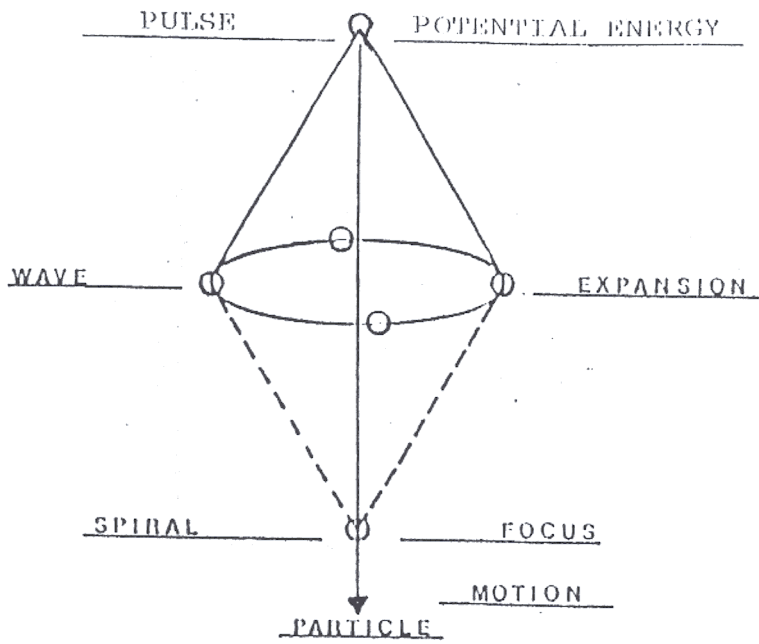
1A + 1B = 2 (occur simultaneously)
2A + 2B = 4 (occur simultaneously and subsequent
+ to #1A, B)
1A + 1B (A Harmonic)

3A, B, C, D +
1A, B + 2A, B = 8 (occur simultaneously to #1

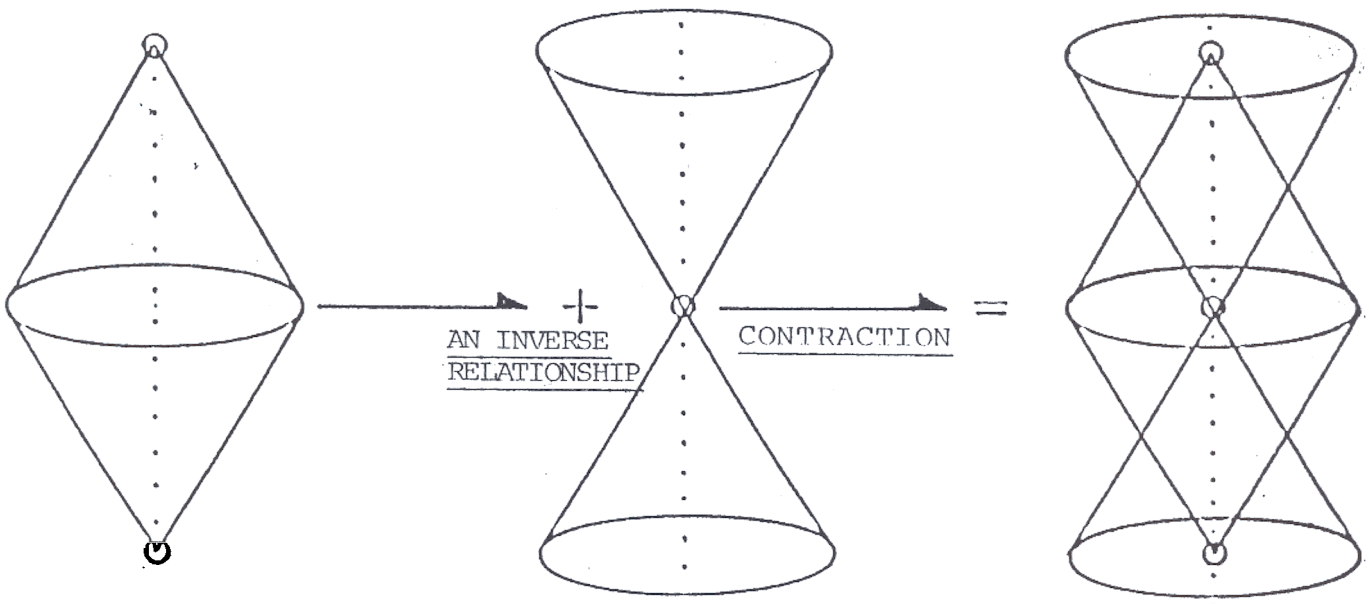
The 2 and 4 points are part of the crystal grid cube. The 8 completed it. Each potential point serves the other. At the conclusion of the crystal cube formation, each (potential) point explodes into another crystal cube. This process continues until the potential of the related aspect is exhausted or attained! The 2 emanates from complementarianism (duality). They manifest at 45 degree angles to the focus or main potential point. Their distance is relative to the pressure and energy of the focus point.

The 4 emanates from a duality of duality also at 45 degree angle to center and perpendicular to the original 2 points

The 8 emanates from another dimension (3rd) of the first 4 and also at 45 degree from focus and perpendicular.

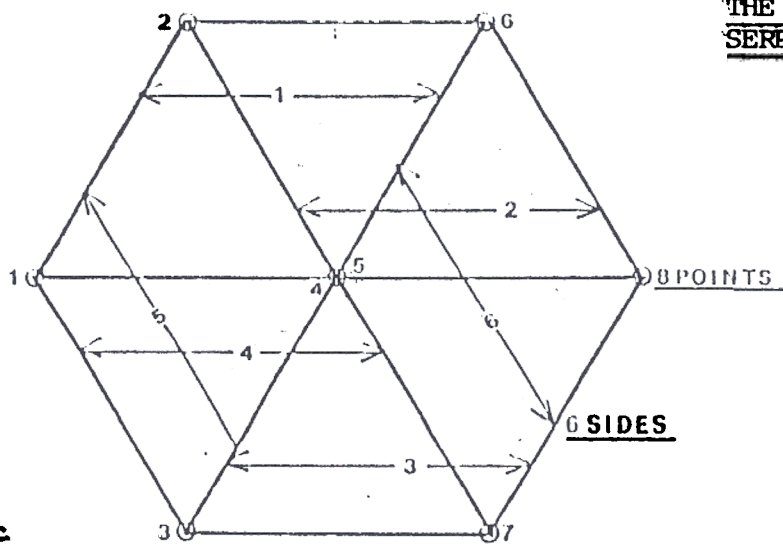


ESSENTIAL BUILDING BLOCK



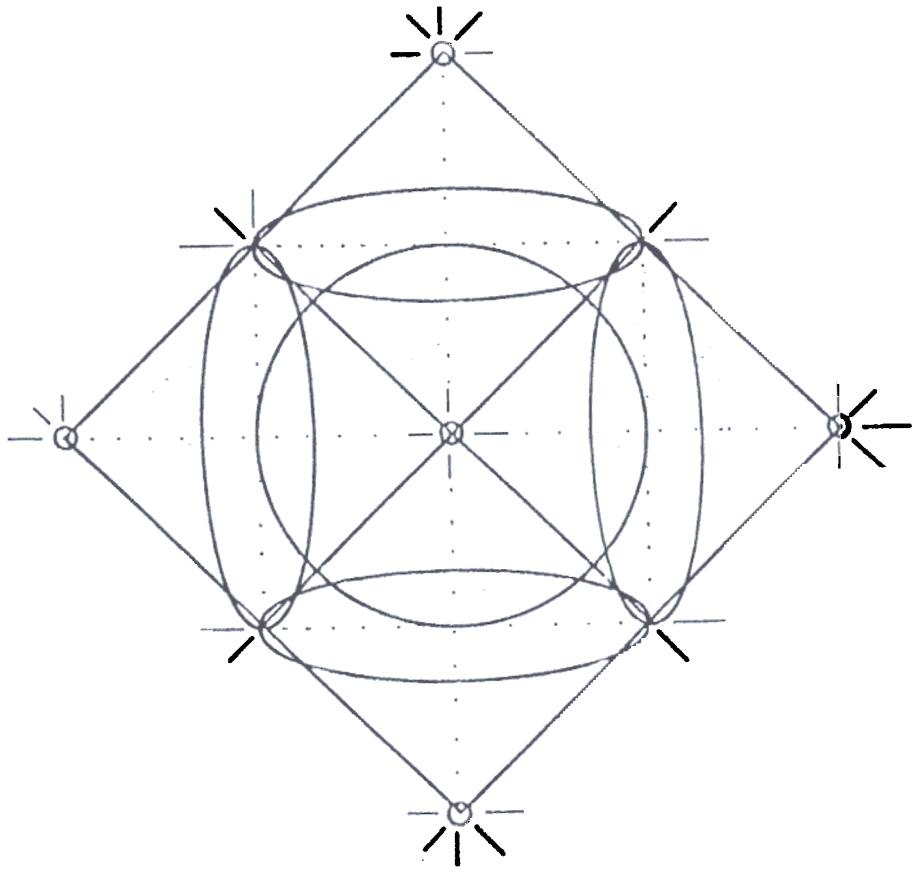
THE NATURE OF LIGHT
SERPENTINE MOTION

BOTH A CUBE
& HEXAGON



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TOP TO BOTTOM VIEW OF MOLECULE