# Ancient Acoustic Energy Generation
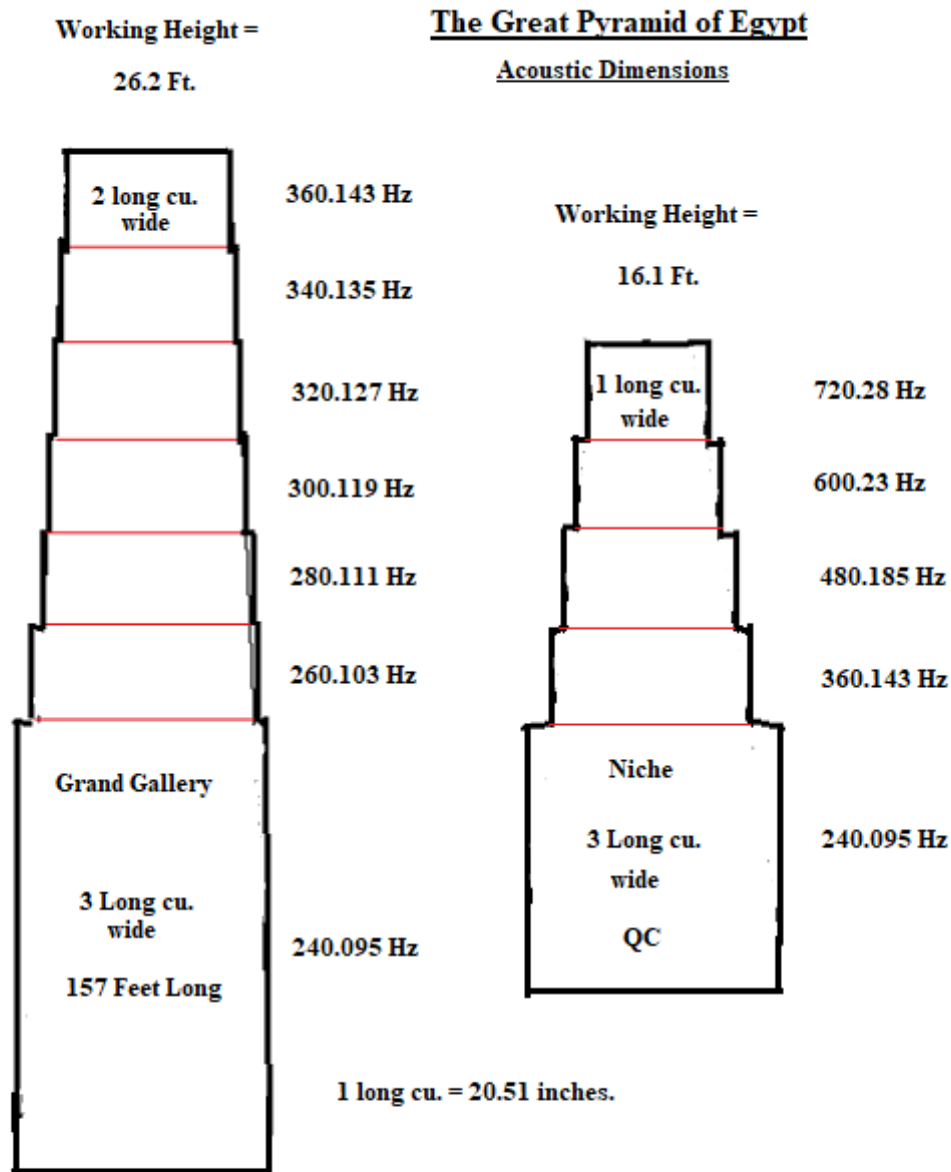
By

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**Abstract:**

The Great Pyramid at Giza in Egypt is a marvel of construction that far surpasses the technical ability of the Dynastic Egyptians who are unfortunately given the credit for its construction by contemporary archeology. In fact, modern engineering methods would fall far short of duplicating its construction much less understanding why it was constructed in the manner that it is. The Great Pyramid utilized sound at specific frequencies as well as the acoustically stimulated microwave hyperfine frequency of the hydrogen atom radiation. The medium was likely air mixed with ionized atoms of methane and/or hydrogen that acted to pump the energy level of the hydrogen microwave emission as the energy moved up the Grand Gallery's 27 banks of resonators. Below is a link to a YouTube video I posted that shows 12 frequencies that were most likely utilized in the overall energy creation and amplification process. Copy the link and paste it into your browser.

https://www.youtube.com/watch?v=dpeVnNlbIs4&t=178s

I have arrived by careful analysis to the conclusion that there is what I call the 'Cosmic Energy Refresh Pulse' that refreshes all quantum- level matter and energy at a 60.02385222 Hz rate. It has a width equal to the Plank radius in meters. My conceptual view of the refresh mechanics is that all matter and energy is entangled so that there is a quantum connection no matter the distance of separation in our local space and that connection has a time equal to or less than Plank time. Thus all matter and energy are effectively synchronized immediately and this must include the action of gravity, which is also a quantum action, that has a refresh rate of 10.03224805 Hz which is extremely close to 1/6 the Cosmic Refresh Rate. All is non-locally quantum connected and non-locally quantum in action. Local space is observationally relativistic and observation has no affect on what is acted upon by non-local space anymore that watching a movie affects the movie.

WE BEGIN:

**Figure 1**



Working Height =

26.2 Ft.

**The Great Pyramid of Egypt**

**Acoustic Dimensions**

2 long cu. wide

360.143 Hz

Working Height =

16.1 Ft.

340.135 Hz

320.127 Hz

1 long cu. wide

720.28 Hz

300.119 Hz

600.23 Hz

280.111 Hz

480.185 Hz

260.103 Hz

360.143 Hz

Grand Gallery

Niche

3 Long cu. wide

240.095 Hz

3 Long cu. wide

QC

240.095 Hz

157 Feet Long

1 long cu. = 20.51 inches.

The ratio of the working height of the Grand Gallery to the working height of the Queens Chamber niche is the Golden Ratio PHI or the square of the rate of rise of the Great Pyramid of (4/pi) squared = 1.621138938.

The working velocity of the hydrogen/air mix is 1230.660927 ft./sec which yields a resonance in the Grand Gallery of 7.838 Hz.  ~ 178 deg. F

$n1 := 0, 1 .. 12$

$$f(n1) := (220) \cdot Hz \cdot 2^{\frac{n1}{12}}$$

This is the equal-tempered scale. It is based on the above formula and has a total of 12 notes per octave.

$$f(n1) = \begin{bmatrix} 2.2 \cdot 10^2 \\ 2.330819 \cdot 10^2 \\ 2.469417 \cdot 10^2 \\ 2.616256 \cdot 10^2 \\ 2.771826 \cdot 10^2 \\ 2.936648 \cdot 10^2 \\ 3.11127 \cdot 10^2 \\ 3.296276 \cdot 10^2 \\ 3.492282 \cdot 10^2 \\ 3.699944 \cdot 10^2 \\ 3.919954 \cdot 10^2 \\ 4.153047 \cdot 10^2 \\ 4.4 \cdot 10^2 \end{bmatrix} \; Hz$$

ONE OCTAVE

This is the contemporary music scale wherein some frequencies overlap the acoustics of the Great Pyramid's design.

The Grand Gallery of the Great Pyramid of Giza is designed to operate at a base frequency just above the standard powerline frequency of 60.00000 Hz. The base frequency has been determined to be exactly 60.02385222 Hz as shown below. The orientation of the Grand Gallery is North-South. <u>Thus, the resonance is East-west</u> in relation to the upwards narrowing distances between the 'stepped' faces along the Grand Gallery length.

**Related Constants of Calculation:**

$f_{COSMIC} := 60.02385222 \cdot Hz$          $f_{Hydrogen} := 1.420405751786 \cdot 10^{09} \cdot Hz$

$VEL_{Acoustic} := 1.230660927 \cdot 10^{03} \cdot \dfrac{ft}{s}$      $Long_{Cubit} := 2.050286480 \cdot 10^{01} \cdot in$

Let:    $n2 := 6, 5 .. 0$    Then:            = 1 Long Cubit exactly

$Grand_{GalleryBaseFreq} := \dfrac{VEL_{Acoustic}}{3 \cdot Long_{Cubit}}$    Or:    $Grand_{GalleryBaseFreq} = (2.400954 \cdot 10^2) \; Hz$

$$Grand_{GalleryFreqs}(n2) := Grand_{GalleryBaseFreq} + \left( \dfrac{f_{COSMIC}}{3} \cdot n2 \right)$$

The step increase is ~20 Hz per step for a total increase of 120 Hz total <u>which is the amount per step in the Queen's Chamber.</u>

TOP

$$Grand_{GalleryFreqs}(n2) = \begin{bmatrix} 3.601431 \cdot 10^2 \\ 3.401352 \cdot 10^2 \\ 3.201272 \cdot 10^2 \\ 3.001193 \cdot 10^2 \\ 2.801113 \cdot 10^2 \\ 2.601034 \cdot 10^2 \\ 2.400954 \cdot 10^2 \end{bmatrix} \; Hz$$

$$\dfrac{f_{COSMIC}}{3} \cdot n2 = \begin{bmatrix} 1.200477 \cdot 10^2 \\ 1.000398 \cdot 10^2 \\ 8.00318 \cdot 10 \\ 6.002385 \cdot 10 \\ 4.00159 \cdot 10 \\ 2.000795 \cdot 10 \\ 0 \end{bmatrix} \; Hz$$

The Queen's Chamber has a niche of only four upwards-narrowing steps as shown in figure one. The base frequency bottom width is the same as for the Grand Gallery at 240.0954 Hz. The top step is resonant at twice the frequency of the top step of the Grand Gallery. This is shown by the calculation below.

$$n3 := 4, 3 .. 0$$

Instead of increasing by ~20 Hz steps, the Queen's Chamber increases by ~120 Hz steps.

$$Queens_{ChamberFreqs}(n3) := Grand_{GalleryBaseFreq} + \left( \frac{f_{COSMIC}}{.5} \cdot n3 \right)$$

TOP

$$Queens_{ChamberFreqs}(n3) = \begin{bmatrix} 7.202862 \cdot 10^2 \\ 6.002385 \cdot 10^2 \\ 4.801908 \cdot 10^2 \\ 3.601431 \cdot 10^2 \\ 2.400954 \cdot 10^2 \end{bmatrix} Hz \qquad \left( \frac{f_{COSMIC}}{.5} \cdot n3 \right) = \begin{bmatrix} 4.801908 \cdot 10^2 \\ 3.601431 \cdot 10^2 \\ 2.400954 \cdot 10^2 \\ 1.200477 \cdot 10^2 \\ 0 \end{bmatrix} Hz$$

I see the universe as being refreshed by an unseen quantum impulse generator that is on the order of a Plank width in distance and of a Plank energy level. This is very similar to the Dirac Delta function. This pulse repetition rate in local space is the frequency shown above labeled, $f_{COSMIC} := 60.02385222 \cdot Hz$. It occurs at the center-point of all particles and without it, matter does not exist. Matter would slip out of our space into another time-refreshed universe of lesser energy level, ad-infinitum. Thus, I see the Great Pyramid as capturing energy related to this refresh pulse. This energy refresh pulse is: (Everything, everywhere and all at once) and is ongoing in deference to the so-called Big Bang.

From the above calculation tables, it is seen that the Grand Gallery advances by 20.007951 Hz/step while the niche in the Queen's Chamber advances by 120.047704 Hz/step. This is a 1 to 6 ratio on the step results for each. Taking the top frequency of the Queen's Chamber being twice that of the Kings Chamber, the total product (2*6) yields the very important geometric number of 12. This is based on repeatedly measured widths between the step faces in both the Grand Gallery and the Queen's Chamber niche. The pre-dynastic builders of the Great Pyramid apparently based the design on their knowledge of the refreshing energy pulse of our universe, as the design does testify. The key to the **<span style="color:red">Energy Jackpot</span>** is the following relationship:

$$c_{vel} := 2.99792458 \cdot 10^{08} \cdot \frac{m}{s} \qquad \lambda_{H1} := \frac{c_{vel}}{f_{Hydrogen}} \qquad Energy_{Cubit} := \frac{4 \cdot \lambda_{H1}}{\left( \frac{4}{\pi} \right)^2}$$

Where; $\left( \frac{4}{\pi} \right)^2 = 1.6211389383$    which is the pyramidal Golden Ratio.    See top of next page.

Hydrogen Field Energy Cubit                    Established Long Cubit

$$\text{Energy}_{\text{Cubit}} = (2.050285 \cdot 10) \; \boldsymbol{in}$$   Where,   $$\text{Long}_{\text{Cubit}} = (2.050286 \cdot 10) \; \boldsymbol{in}$$

The above results are equal and thus are energy interlocked. (H1 Field and Physical Stone.)

Increasing the Acoustic Energy should then cause a corresponding Hydrogen Field Energy increase if the hydrogen gas is ionized. The Acoustic Energy Cubit is of the form:

$$\text{Acoustic}_{\text{EnergyCubit}} := \frac{\text{VEL}_{\text{Acoustic}}}{(12) \cdot \text{f}_{\text{COSMIC}}}$$   Then,   $$\text{Acoustic}_{\text{EnergyCubit}} = (2.050286 \cdot 10) \; \boldsymbol{in}$$

Thus, the $60.02385222 \cdot Hz$ universal COSMIC frequency is connected to the length of the Long Cubit and possibly is universally omnipresent in all of local space. It is also wavelength connected via the Long Cubit to the Hyperfine Frequency of the hydrogen atom's stimulated emission which is stimulated by the acoustic frequencies as well as the *ionizing ambient temperature* in the structure of the Great Pyramid. The operating temperature that supports the acoustic velocity of the Great Pyramid is shown below.

$$\left( \frac{\text{VEL}_{\text{Acoustic}} \cdot \frac{s}{ft}}{49} \right)^2 - 459 = 1.717898 \cdot 10^2$$   which is in deg. F.

The above formula is from the Master Handbook of Electronic Tables And Formulas, 5th Edition, by Martin Clifford, 1992 by TAB Books, Page 212. The formula is unitless and is understood to deliver the answer in degrees Fahrenheit. It has been solved for the answer to be in degrees temperature-wise when the velocity is already known. ~172 degrees is not bearable by human standards and would likely be lethal in short order.

**The Key Of David Frequency:**

$$\alpha := 7.297353080 \cdot 10^{-03}$$   <This is the atomic fine structure constant alpha.   $$\Phi_{\text{GOLD}} := \left( \frac{4}{\pi} \right)^2$$   $$\Phi_{\text{GOLD}} = 1.621139$$

$$\text{fKey}_{\text{David}} := \frac{(12) \cdot \text{f}_{\text{COSMIC}}}{\Phi_{\text{GOLD}}}$$   Also:   $$\text{f}_{\text{GOLD}} := \frac{\alpha \cdot \text{fKey}_{\text{David}}}{2}$$   $$\text{f}_{\text{GOLD}} = 1.621139 \; \boldsymbol{Hz}$$

$$\text{fKey}_{\text{David}} = (4.443088 \cdot 10^2) \; \boldsymbol{Hz}$$   < Also phase connected to to the Cosmic Frequency of ~60 Hz.

The actual working-field dimension of one side of the Great Pyramid's base can be calculated utilizing the above parameters related to the Cosmic Refresh Frequency, the Atomic Fine Structure Constant, the Golden Ratio, the acoustic Velocity as shown below.

$$\text{Pyr}_{\text{SideLength}} := \frac{\text{VEL}_{\text{Acoustic}}}{f_{\text{GOLD}}} \qquad \text{Pyr}_{\text{SideLength}} = \left(7.591335 \cdot 10^2\right) \, \boldsymbol{ft}$$

**Geometric Structure of the Great Pyramid in relation to pi and the derivatives of the sphere volume, then circle area, circumference, and finally pi as related to radius r.**

Using Mathcad's Symbolic Equation Solver it is shown below that the Great Pyramid's construction squares the circle if the derivative is sequentially taken with the radius r.

| Sphere *Volume* | Sphere Area | Sphere Area | Sphere Times 4 Circumference | Sphere Times 4 Circumference |
|---|---|---|---|---|
| $\dfrac{d^1}{dr^1}\dfrac{4}{3}\cdot\pi\cdot r^3 \rightarrow 4\cdot r^2\cdot\pi$ | | $\dfrac{d^1}{dr^1}4\cdot r^2\cdot\pi \rightarrow 8\cdot r\cdot\pi$ | | $\dfrac{d^1}{dr^1}8\cdot r\cdot\pi \rightarrow 8\cdot\pi$ |

The $8\pi$ result at the end equation on the far right above can be considered as the number of pi's around the perimeter of the base of the Great pyramid. If the distance from one side to the center of the base area is also taken to be the number $\pi$, then the height of the Great Pyramid is $4/\pi$, so the ratio of $4/\pi$ is the rate of rise which is equal to the square root of the Golden Ratio.

The King and Queens Chambers Are Whole Multiples of 1-10 Cubits.

North-South

$$KC_{\text{Width}} := 10 \cdot \text{Long}_{\text{Cubit}} \qquad n4 := 1,2..10$$

$$\Delta\lambda_{\text{KCW}}(n4) := \frac{KC_{\text{Width}}}{n4} \qquad\qquad \Delta f_{\text{KCW}}(n4) := \frac{\text{VEL}_{\text{Acoustic}}}{\Delta\lambda_{\text{KCW}}(n4)}$$

$$\Delta\lambda_{\text{KCW}}(n4) = \begin{bmatrix} 2.050286\cdot 10^2 \\ 1.025143\cdot 10^2 \\ 6.834288\cdot 10 \\ 5.125716\cdot 10 \\ 4.100573\cdot 10 \\ 3.417144\cdot 10 \\ 2.928981\cdot 10 \\ 2.562858\cdot 10 \\ 2.278096\cdot 10 \\ 2.050286\cdot 10 \end{bmatrix} \boldsymbol{in} \qquad n4 = \begin{bmatrix} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 1\cdot 10 \end{bmatrix} \qquad \Delta f_{\text{KCW}}(n4) = \begin{bmatrix} 7.202862\cdot 10 \\ 1.440572\cdot 10^2 \\ 2.160859\cdot 10^2 \\ 2.881145\cdot 10^2 \\ 3.601431\cdot 10^2 \\ 4.321717\cdot 10^2 \\ 5.042004\cdot 10^2 \\ 5.76229\cdot 10^2 \\ 6.482576\cdot 10^2 \\ 7.202862\cdot 10^2 \end{bmatrix} \boldsymbol{Hz}$$

$$KC_{Length} := 20 \cdot Long_{Cubit}$$

$$\Delta\lambda_{KCL}(n4) := \frac{KC_{Length}}{n4} \qquad \text{East-West} \qquad \Delta f_{KCL}(n4) := \frac{VEL_{Acoustic}}{\Delta\lambda_{KCL}(n4)}$$

$$\Delta\lambda_{KCL}(n4) = \begin{bmatrix} 4.100573 \cdot 10^2 \\ 2.050286 \cdot 10^2 \\ 1.366858 \cdot 10^2 \\ 1.025143 \cdot 10^2 \\ 8.201146 \cdot 10 \\ 6.834288 \cdot 10 \\ 5.857961 \cdot 10 \\ 5.125716 \cdot 10 \\ 4.556192 \cdot 10 \\ 4.100573 \cdot 10 \end{bmatrix} \; in \qquad n4 = \begin{bmatrix} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 1 \cdot 10 \end{bmatrix} \qquad \Delta f_{KCL}(n4) = \begin{bmatrix} 3.601431 \cdot 10 \\ 7.202862 \cdot 10 \\ 1.080429 \cdot 10^2 \\ 1.440572 \cdot 10^2 \\ 1.800716 \cdot 10^2 \\ 2.160859 \cdot 10^2 \\ 2.521002 \cdot 10^2 \\ 2.881145 \cdot 10^2 \\ 3.241288 \cdot 10^2 \\ 3.601431 \cdot 10^2 \end{bmatrix} \; Hz$$

The Queens Chamber frequencies match the King's Chamber frequencies for the width of 10 cubits in both the E-W and N-S directions.

**Why Is The Key Of David Important?**

Let us start with the <u>Cosmic Refresh Rate</u> of : $\qquad f_{COSMIC} = (6.002385 \cdot 10) \; Hz$

Multiply this by the biblical number 12: $\qquad 12 \cdot f_{COSMIC} = (7.202862 \cdot 10^2) \; Hz$
   (Top frequency of the Queen's Chamber.)

Divide that by the Pyramidal Golden Ratio: $\qquad \dfrac{12 \cdot f_{COSMIC}}{\left(\dfrac{4}{\pi}\right)^2} = (4.443088 \cdot 10^2) \; Hz$
   (=Key of David frequency.)

Where: $\; fKey_{David} = (4.443088 \cdot 10^2) \; Hz$

Divide the  acoustic velocity by Key of
David frequency: $\qquad \dfrac{VEL_{Acoustic}}{(4.443088 \cdot 10^2) \; Hz} = (3.323799 \cdot 10) \; in$
   (= exactly 4 times the wavelength of the
   hyperfine wavelength of hydrogen.)

$$\lambda_{H1} \cdot 4 = (3.323797 \cdot 10) \; in \qquad \text{Where:} \qquad \lambda_{H1} = 8.309494 \; in$$

**The Great Pyramid geometric structure phase-locks the hyperfine frequency of hydrogen to the Cosmic Refresh Rate of ~60Hz.**

Four times the hyperfine wavelength of the hydrogen atom divided by the Golden Ratio yields the Long Cubit.

$$\frac{\lambda_{\text{H1}} \cdot 4}{\left(\dfrac{4}{\pi}\right)^2} = (2.050285 \cdot 10)\ \boldsymbol{in}$$

The alpha fine structure divided by 2 times the Key of David frequency equals the Golden Frequency:

$$\alpha \cdot \frac{12 \cdot f_{\text{COSMIC}}}{2\left(\dfrac{4}{\pi}\right)^2} = 1.621139\ \boldsymbol{Hz}$$

Where:    $f_{\text{GOLD}} = 1.621139\ \boldsymbol{Hz}$

$$\frac{12 \cdot (\lambda_{\text{H1}}) \cdot 4}{\left(\dfrac{4}{\pi}\right)^2} = (2.050285 \cdot 10)\ \boldsymbol{ft} \quad \text{THUS:} \quad \frac{VEL_{\text{Acoustic}}}{(2.050285 \cdot 10)\ \boldsymbol{ft}} = (6.00239 \cdot 10)\ \boldsymbol{Hz}$$

**Q.E.D.**

**The Key of David frequency is the King's Chamber operating frequency of prime importance since it is phase-locked to the Cosmic Refresh rate of ~60Hz and all of the frequencies presented above individually and in the tables as well.**

It is of interest that the distance between the square insets that are in the base on both sides of the gallery wall along the Grand Gallery are spaced apart eight times the wavelength of the hyperfine frequency (1.420405 GHz electromagnetic) of the hydrogen emission. Thus, the length of the Grand Gallery seems to be setup for working with the hydrogen energy wavelength. This is sensitive to a North-South orientation. The East-West orientation seems to be set up for being sensitive to the acoustic master frequency of 60.02385222 Hz. This is a 90 degree orientation with respect to N-S vs E-W and is similar to the geometry of what is called a parametric amplifier. The acoustic wave energy may be used to pump up the microwave energy along the length of the Grand Gallery with the help of the 27 stages of resonator banks described by Christopher Dunn in his book, "The Giza Powerplant", Bear & Company, 1998. **I highly recommend His book.**

If the acoustic medium contains some ionization, it would allow for the acoustic wave to get a firm grasp on the electromagnetic wave in order to propel it along the gallery. I visualize a standing acoustic wave electric field E-W working with a magnetic field vertically on the microwave electromagnetic field and those two being 90 degrees to each other. Then the third 90 degrees would point along the Grand Gallery and this would be the **Vector Magnetic Potential** wavefront going upwards to the King's Chamber. I also see the possibility of an impulse generator working in the Queens chamber at the center of the niche that operates at 60.0238 Hz and even multiples thereof.

In the Queen's Chamber niche, there is a square hole near the center of the niche and it goes into the niche quite a distance. I remember seeing a drawing that looked to me to represent a length of at least 20 ft. There was a bulb shaped cavity at the end that could have been an explosion chamber that may have provided the impulse that became the heartbeat of the entire energy generation process. That pulse and related Queen's Chamber frequencies travels horizontally along a small corridor to intersect the rising corridor that connects to the bottom of the Grand Gallery. Going downwards at that intersection, there are very substantial Granite Plugs that may provide the recoil impulse that adds repeatedly to the energy and momentum of the entire process. Then that recoiled energy pulse travels up past the intersect point with the Queen's chamber conduit and then through the Grand Gallery Power Boosting design into the King's Chamber to be amplified yet again by the resonators in the roof of the King's Chamber. It must have been an incredibly intense volume of sound and microwave energy that quite possibly ionized the entire layer of the ionosphere of the Earth. Pity the UFO style flying saucer interlopers trying to enter the atmosphere of Earth. The pondermotive mass-force driving fields of their craft would be disrupted and they would lose control and crash. That shield-field may have been penetrated and the result was total destruction of the world wide energy grid and those who built it by beams of energy that melted granite and exploded pyramids. Our own radar units generate enough power to disable UFO fields as the Roswell 1947 UFO crash may testify to. Numerous other same-type incidents have also been recorded since then.

Nicola Tesla was using large x-ray tubes in his Colorado experiments and the Wardenclyffe tower had many nodules (X-Ray tubes?) all over the dome that could be switched for focusing a beam of energy in 360 degrees as well as vertically. I suspect Tesla had figured out how the Great Pyramid was built and what it was built for. I also think he may have been trying to shield Earth from what we call 'aliens' while also building a weapon for defense of any and all countries that built his apparatus. Finally, peace at last?

It is of interest that the number of Long Cubits in one side of the Great Pyramid is numerically very close to being equal to the Key Of David frequency as shown below.

$$CubitSide_{Number} := \frac{Pyr_{SideLength}}{Long_{Cubit}} \qquad\qquad CubitSide_{Number} = 4.443088 \cdot 10^2$$

$$\text{Where,} \qquad fKey_{David} = \left(4.443088 \cdot 10^2\right) \; \mathbf{\textit{Hz}}$$

This is quite likely not a casual coincidence. This number may actually be a "Key" to operating such things as the Ark of the Covenant whose dimensions are 1 1/2 cubits wide by 1 1/2 cubits high by 2 1/2 cubits long. Supposing the thickness of its side walls as being 1/4 cubits, the ends as 1/4 cubits, then the interior would be 1 by 1 by 2 cubits. This is in Long Cubits. That would ensure that there would be electrical insulation thick enough to handle extremely high operating voltages. Then the Ark of the Covenant is also phase-locked by the Key of David frequency as well as the Cosmic Refresh frequency of 60.02385222 Hz. Tesla may have understood this.

The above is an excellent segue into a very unique bowl found in Chaco Canyon (USA) and later sold online on ebay.com for $1600.00 a few years back. The listing may be permanently erased but below is a copied picture from that listing.

**Figure 2**



The diameter of the bowl was given as 5 1/8 inches across the top at the widest point which is very close to 5.127 inches: (Which is nearly the exact 8.309498121 inch wavelength of the hydrogen emission of 1.420405 GHz when multiplied by the Golden Ratio Phi). This resembles a counter-poised delay line that can build up the potential electrical pulses of energy as they travel back and forth in circular fashion. The 9:00 o'clock position is where the pulses reflect from which then doubles the voltage each reflection. The action is pumped at the top rim and bottom surface of the bowl. This may act as a teleporter for small items to a same constructed bowl somewhere? It is priceless in its functional design. It may be pumped by fast-rise pulses at the Cosmic Refresh Rate of 60.02385333 Hz. The residents of Chaco Canyon were the Anasazi. The Anasazi were considered to be "strange" by the Navajo people but they did trade with them. I consider the Anasazi to be from an other-worldly place. They were extremely technologically advanced in their building skills.

To Summarize Salient Data:                          <u>11</u>

$\lambda_{H1} = 8.309494 \ in$                  $Energy_{Cubit} = (2.050285 \cdot 10) \ in$

$$\frac{\lambda_{H1}}{\left(\frac{4}{\pi}\right)^2} = 5.125713 \ in \qquad \text{AND:} \qquad \frac{Energy_{Cubit}}{4} = 5.125713 \ in$$

Then the bowl in figure 2 above is based on the wavelength of the hyperfine radiation energy of the hydrogen atom divided by the Golden Ratio Phi and also the Energy Cubit divided by 4.

A YouTube video that provides further salient information on the Anasazi people is located at the below internet address:

https://www.youtube.com/watch?v=p1-K3J_v95s          As before, copy the address and paste it into your browser window.

There is also a bowl located in the Cairo Museum in Egypt that may have been an acoustic resonator-amplifier in the Grand Gallery of the Great Pyramid of Giza. It may have been one of the 7 per stack along the 27 vertical stack assemblies in the Grand Gallery.

**Figure 3**



Computer reconstruction
of the mysterious disk

The bowl is made of Shist stone consisting of quartz, mica, and even gemstones embedded in layers of a metamorphic structure. The diameter is extremely close to 2 feet. That makes the circumference equal to 6.2831853 feet. The vibration of the quartz crystals may have generated electric potentials in the stone that would act on the ionized medium to amplify the forward power of the acoustic signals traveling up the Grand Gallery. Perhaps the circumference can represent 2*pi radians. That would imply a rotational motion around the disk's three sectional lobes where each one would be separated from its adjacent lobe by 120 degrees.

Consider the 3 open lobes and the 3 flat areas of the Shist Disk. If we allow one complete cycle for each flat area <u>and</u> an open lobe next to it, we can visualize the associated major wavefront being chopped so as to allow only the positive portion of the wave to go through the lobe and the flat area not so. The disk becomes a *rectifier of sonic force* so that the wavefront force only travels in one direction. The curved surface of each lobe quite possibly deflects the returning force coming from the opposite direction towards the wall of the gallery. The below equation is based on the <u>circumference</u> of the Shist Disk only.

$$\frac{VEL_{Acoustic}}{\pi \cdot 24 \cdot in \cdot \left(\frac{1}{6}\right)} \cdot \frac{1}{fKey_{David}} = 2.644995 \qquad \text{Where;} \qquad \Phi_{GOLD}{}^{2} = 2.628091$$

Each open lobe resonates/passes a frequency of 6 times the frequency that the entire circumference generates since each open lobe section at the rim edge is 1/6 of the circumference. The below equation is based on the <u>diameter</u> of the Shist Disk only.

$$\frac{VEL_{Acoustic}}{24 \cdot in \cdot \left(\frac{1}{6 \cdot in}\right)} \cdot \frac{1}{fKey_{David}} = 8.309498 \ in \qquad \text{Where;} \qquad \lambda_{H1} = 8.309494 \ in$$

**It is immediately apparent that the frequency/wavelength of the hyperfine radiation of the hydrogen atom is regenerated by each disk lobe.** It is also possible that the Shist Disk could also provide a three phase rotation around the direction of travel up the Grand Gallery. This may be accomplished by twisting the disk around the vertical axis while also tilting it around the horizontal axis. The upward-moving impacting wavefront reflected up the Grand Gallery from the lower granite plugs would hit the openings in the disk separated by time and thus provide a twisting effect on the three nodal wavefronts coming out of the disk on the other side. I wonder if Tesla got the idea about three-phase power from this concept. (It would have a 3-phase effect on impacting a flat surface.)

The disks may also be rotated a small amount sequentially so that the progress of the three pressure fronts may be twisted by each disk as the three phase pressure wave moves up the Grand Gallery. That would increase the wavefront's angular momentum which would increase the impact force at the upper end of the Gallery.

**Let us now return to the bowl previously presented in figure 2:** The top frequency of the Queen's Chamber is 12 times the Cosmic Frequency, or :

$$f_{COSMIC} = (6.002385 \cdot 10) \; \textit{Hz} \qquad \text{Then:} \qquad f_{COSMIC} \cdot 12 = (7.202862 \cdot 10^2) \; \textit{Hz}$$

The "Anasazi" bowl is linked precisely to this frequency as shown by the below analysis.

$$Dia_{bowl} := \frac{\lambda_{H1}}{\left(\frac{4}{\pi}\right)^2} = 5.125713 \; \textit{in} \qquad\qquad Cir_{bowl} := \pi \cdot Dia_{bowl} = 1.341909 \; \textit{ft}$$

$$f_{cirbowl} := \frac{VEL_{Acoustic}}{Cir_{bowl}} = (9.170974 \cdot 10^2) \; \textit{Hz}$$

Taking the ratio of $f_{cirbowl}$ to $f_{COSMIC} \cdot 12$ we have:

$$\frac{f_{cirbowl}}{f_{COSMIC} \cdot 12} = 1.27324$$

which is the ratio of $4/\pi$ or:

$$\frac{4}{\pi} = 1.27324 \qquad \begin{array}{l} = \text{Rise ratio of Pyramid's} \\ \text{height to } 1/2 \text{ the base length.} \end{array}$$

The hyperfine microwave wavelength of the hydrogen atom divided into 1/2 the diameter of the bowl is the cosine function for determining the angle of rise from the edge of the bowl to an apex above the center of the bowl and the angle derived is of interest.

$$acos\left(\frac{Dia_{bowl}}{2 \cdot \lambda_{H1}}\right) = (7.203565 \cdot 10) \; \textit{deg}$$

There are five 72 degree segments in 360 degrees and the focus is at the apex of the cone.

I am reminded also of the five sided pyramids found on Mars where a pentagram has five inner angles equal to 72 degrees. If we now consider the full bowl diameter, we arrive extremely close to the angle of rise of the Great Pyramid as shown below.

$$acos\left(\frac{Dia_{bowl}}{\lambda_{H1}}\right) = (5.191351 \cdot 10) \; \textit{deg}$$

Could this small ceramic bowl be quantum-entangled to the Great Pyramid and thus microwave whatever food put into it? This is a type of the Holy Grail?

My online website **electrogravity.com** has a relevant paper in Adobe Acrobat PDF format titled "**Ancient Energy Geometry**" that presents further information concerning the Anasazi Bowl mentioned above as well as a device I call the "**Energy Pipe**" that embodies all of the key dimensions related to the frequencies and wavelengths presented above.

**https://www.electrogravity.com/files/ancientenergygeometry.pdf**

Copy and paste the above link into your browser.

I personally witnessed the considerable energy that is freely available from the ambient fields of our universe and it nearly cost me my life.

**A Common Extreme Low Frequency (ELF) Connects The Great Pyramid, The Shist Disk, The Magnetic Disk Generator and Twice the Golden Ratio Frequency Expressed As A Velocity.**

Concerning The Shist Disk in the Cairo Museum: <u>If the physical velocity</u> at the rim of the Shist Disk is 2 times PHI Gold in ft/s units, then we can solve for the frequency as:

$$r_{Disk} := 12 \cdot in \qquad \text{Then:} \qquad f_{DISK} := \frac{\left(2 \cdot \Phi_{GOLD} \cdot ft \cdot s^{-1}\right)}{2 \cdot \pi \cdot r_{Disk}} = \left(5.160246 \cdot 10^{-1}\right) Hz$$

This is for a physical rotation since the disk has a hole in the center that could be for a shaft to go through that would allow for rotating the disk.

**Concerning The Great Pyramid And The Identical Base Frequency Of The Shist Disk:**

$$Pyr_{SideLength} = \left(7.591335 \cdot 10^2\right) ft \qquad VEL_{Acoustic} = \left(1.230661 \cdot 10^3\right) \frac{ft}{s}$$

Then the radius is 1/2 the length of one side;

$$PYR_{Radius} := \frac{Pyr_{SideLength}}{2} = \left(3.795668 \cdot 10^2\right) ft$$

<u>Then the ELF base frequency of the Great Pyramid is</u>:

$$f_{GPBasef} := \frac{VEL_{Acoustic}}{2 \cdot \pi \cdot PYR_{Radius}} = \left(5.160246 \cdot 10^{-1}\right) Hz$$

Exactly the same as for the Shist disk ELF frequency.

**Concerning The Least Quantum Velocity Equal To The Square Root Of The Atomic Fine Structure Constant And A <u>Magnetic Disk</u> Of A One Inch Radius:**

$$v_{LM} := \sqrt{\alpha} \cdot \frac{m}{s} \qquad\qquad v_{LM} = (8.542455 \cdot 10^{-2}) \frac{m}{s} \qquad \text{Least Quantum Field Velocity}$$

$$\text{MagDisk}_{Radius} := 1.0372865 \cdot in \qquad = \text{Working Field Radius of the 1 inch disk.}$$

Then the ELF frequency of the disk related to its quantum least velocity is:

$$f_{MagDisk} := \frac{v_{LM}}{2 \cdot \pi \cdot \text{MagDisk}_{Radius}} = (5.160246 \cdot 10^{-1}) \; Hz$$

**Finally, tying it all together to the Key Of <u>David frequency</u> and thus the <u>Cosmic Refresh Rate</u> as well:**

$$f\text{Key}_{David} = (4.443088 \cdot 10^2) \; Hz \qquad\qquad f_{COSMIC} = (6.002385 \cdot 10) \; Hz$$

$$f\text{Key}_{David} \cdot \alpha = 3.242278 \; Hz \qquad \text{And:} \qquad \frac{f\text{Key}_{David} \cdot \alpha}{2 \cdot \pi} = (5.160246 \cdot 10^{-1}) \; Hz$$

Finally:

$$\frac{\Phi_{GOLD} \cdot f\text{Key}_{David}}{12} = (6.002385 \cdot 10) \; Hz \qquad\qquad \text{QED}$$

**Postulate: There may be created in all matter a mass-phonon with real pondermotive field mass that is brought into existence with the combined quantum presence of a proton, electron and the acoustic Key Of David Frequency,** $f\text{Key}_{David}$.

$$m_p := 1.6726231 \cdot 10^{-27} \cdot kg \qquad m_e := 9.1093897 \cdot 10^{-31} \cdot kg \qquad h = (6.62607 \cdot 10^{-34}) \; J \cdot s$$

$$\text{mass}_{phonon} := \frac{h \cdot f\text{Key}_{David}}{v_{LM}^2 \cdot (1+\alpha)^2} = (3.976126 \cdot 10^{-29}) \; kg \qquad \frac{\text{mass}_{phonon} \cdot \pi}{m_e} = 1.371263 \cdot 10^2$$

$$\frac{m_p \cdot \pi \cdot ((1+\alpha)^5)}{\text{mass}_{phonon}} = 1.370491 \cdot 10^2 \qquad\qquad \sqrt{\frac{m_p}{m_e}} \cdot \pi \cdot (1+\alpha)^{2.5} = 1.370877 \cdot 10^2$$

<span style="color:red">**Creating a mass-phonon that <u>only appears when the Key Of David is present</u> is very USEFUL! Acoustic lifting of heavy stones and UFO craft is now easily understood.**</span>

The least mass-phonon energy is solved for below for a least quantum velocity $v_{LM}$:

$$E_{MassPhononVLM} := mass_{phonon} \cdot (v_{LM})^2 = (2.90152 \cdot 10^{-31}) \; J$$

Now consider if the above mass-phonon is moving at the operating velocity of the Great Pyramid by being pumped-up energy-wise by the acoustic pressure of the active medium.

$$E_{MassPhononVel} := \frac{mass_{phonon} \cdot (VEL_{Acoustic})^2}{6} = (9.324288 \cdot 10^{-25}) \; J$$

$\gg\gg\gg$      **AND**:

The energy gain in this process is quite impressive.

$$Energy_{Gain} := \frac{E_{MassPhononVel}}{E_{MassPhononVLM}} = 3.213588 \cdot 10^6$$

$$\frac{E_{MassPhononVel}}{h} = (1.407212 \cdot 10^9) \; Hz$$

^Very close to $f_{Hydrogen}$ ^

If this process were employed in the ARC OF THE COVENANT, it would be a very powerful and dangerous item to fight battles and illuminate the night with. Multiply this process by the incredible number of atoms of hydrogen in the total medium of the gas and the energy would be extremely destructive against any army or city of the day.

The Faraday Magnetic Disk Generator provides an example of the inertia of a phonon described above where the magnetic spinning disk works against its own nearly stationary magnetic field **whose inertia lags far behind the motional velocity of the disk**. Thus, if the magnet is clad with a conductive surface, a voltage appears between the axis of rotation and the rim of the disk. If conversely, the magnetic field is spun, no voltage appears between the axis and the rim of the disk. This proves that the motion of the inertial field is very slow or not moving since it must have latency of motion. My theory suggests that the inertial phonon motion is not more or less than being equal to the square root of the atomic fine structure constant $\alpha$ in meter/second units. I call this the least quantum velocity and it may be very closely related to what is called "Zero Point Energy" by contemporary physicists. POSTULATE: Instead of a magnet of constant field direction I propose a magnet having an alternating field so that it repels the very slow inertial phonon field while spinning to create that slow initial inertial field. The magnet could be in a cryogenic superconducting windings condition. This could be mounted in a pod forming three hemispheres 120 degrees apart under a saucer shaped craft. **Each change of direction repels the previous inertial field**.

I now propose that the Shist Disk be rotated so that it may be used to work against the inertial field related to its own inline magnetic field so that the disk can propel the $mass_{phonon}$ along the axis of rotation and thus accelerate the $mass_{phonon}$ along the Grand Gallery which would increase the field energy accordingly. Also, utilizing this process, a pondermotive force field would allow for the disk to push against its own inertial $mass_{phonon}$ to obtain thrust as for a flying saucer type craft. Also, the ability to project a $mass_{phonon}$ field would create a weapon that could shoot mass-field 'bullets'. (Again, the ARC OF THE COVENANT is relevant.) Also is applicable to crop circle formation.

I propose that the ancient mercury vortex engine that was supposedly used in the Vimana 'Aircraft' follows the principles outlined on the bottom of the previous page. The rotating ionized plasma of mercury in the spiral arms of the caduceus below is a circular rotating charge that is a current flow forming a vertical changing magnetic field. It is an alternating current that periodically reverses SPIN DIRECTION and DIRECTION OF CURRENT FLOW as the plasma oscillates back and forth up and down the coils. There is also a variable axial electric field horizontally that reverses with the electric current. Around the vertical magnetic field is an inertial circular mass-phonon that is a very slow at the $v_{LM}$ velocity. When established, it will be acted on by the next field reversal and attempt to conjugate the rising mass field of the opposite mass polarity. This will raise the engine. This will continue as long as the process just described continues. This may be a process of flying saucer lift as well as the energy increase up the Grand Gallery and the destructive force field that may have came from the ARK OF THE COVANANT.

**Figure 4**



The Caduceus, Magic Wand of Mercury, Messenger of the Gods, is an ancient symbol of electromagnetic flight and cosmic energy.

According to Clendenon, the Caduceus is a simplified diagram of a Mercury Vortex Engine:
A. Air is the flight propellant/propeller/wings
B. Expansion of vortex coils/cooling
C. Compression of vortex coils/heating

1. Liquid metal mercury, the bearer of electro-magnetic energy.
2. Mercury boiler
3. Antenna/starter/core
4. Closed circuit serpentine heat exchanger/condenser coils
6. Poisonous mercury vapor reservoir

Credit to:
**Adventures Unlimited**: Vimana Aircraft of Ancient India & Atlantis, p.248.
Copyright 1991.

Author:
David Hatcher Childress.

The inertial mass field is also the <u>vector magnetic potential field</u> which by common definition circles the magnetic field and it exists in the absence of a shielded magnetic field that creates it. It is a quantum level interacting field. As such, it is a fundamental participant in quantum entanglement which has essentially an infinite velocity. When acted on by electric charge in a time dependent action, force is the result as shown below.

$$s := 1 \cdot sec \qquad q := 1 \cdot C \qquad \Phi_o := V \cdot s$$

[Vector Magnetic Potential]     [Momentum]     [Force]

$$A_{vector} := \frac{\Phi_o}{m}$$

$$\left( q \cdot \frac{V \cdot s}{m} \right) = 1 \, \frac{kg \cdot m}{s}$$

$$\frac{d}{ds}\left( q \cdot \frac{V \cdot s}{m} \right) = 1 \, N$$

Inertial Mass-Field     Rest Mass of Particle

$$\frac{(q \cdot A_{vector} \cdot s)}{m} = 1 \, kg$$

$$\frac{henry}{m} \cdot \frac{q^2}{m} = 1 \, kg$$

For the case of the Vimana craft, it has periodically reversing spin which reverses for each alternation direction of the current in the Caduceus coil. The first alternation creates a circular mass-field in a given direction while the second alternation creates a mass-field under the first mass field of opposite spin and the two conjugate each other which creates a force of attraction above the craft. (The conjugation results in zero energy which is an energy void that creates lift into that void of energy since everywhere else there exists pressure.) This full cycle is electrogravitational force spin-2 which is the gravitational boson case.

For the case of the alternating magnetic field Faraday Disk generator, the spin is always in one direction even though the direction of the magnetic field alternates. That creates repulsion between the two created mass-fields that causes the top mass-field to shoot away from the bottom mass-field. The much more massive craft below the mass phonon field would have little reaction-action force compared to the top mass phonon field being projected. For a non-rotating wavelength, ($\lambda_{fmagdisk}$) is less than the perimeter of the base of the Great Pyramid.

$$f_{FUND} := \frac{fKey_{David} \cdot \alpha}{2 \cdot \pi} = \left( 5.160246 \cdot 10^{-1} \right) Hz$$

$$\lambda_{fmagdisk} := \frac{VEL_{Acoustic}}{f_{FUND}} = \left( 2.384888 \cdot 10^3 \right) ft$$

The $\lambda_{fmagdisk}$ divided by 4 yields the length of one side of the smaller pyramid and dividing that by 2 again yields the distance from the center of the base of the smaller pyramid to one side of it's perimeter.

$$Radius_{SmPyr} := \lambda_{fmagdisk} \cdot \frac{1}{8} = \left( 2.98111 \cdot 10^2 \right) ft$$

This suggests a pyramid within a pyramid having the radii at the base separated by the differential length of one radius of the smaller wavelength $\lambda_{\text{fmagdisk}}$ from one radius of the perimeter of the Great Pyramid. Then:

$$GP_{\text{Side}} := \left(\frac{VEL_{\text{Acoustic}}}{f_{\text{GOLD}}}\right) = \left(7.591335 \cdot 10^2\right) \; ft \qquad GP_{\text{Radius}} := \frac{GP_{\text{Side}}}{2} = \left(3.795668 \cdot 10^2\right) \; ft$$

$$\Delta Pyr_{\text{Radius}} := GP_{\text{Radius}} - Radius_{\text{SmPyr}} = \left(8.145573 \cdot 10\right) \; ft \qquad \text{Distance between perimeters.}$$

Then the velocity associated with one side length of the Small Pyramid is:

$$vel_{\text{fmagdiskside}} := f_{\text{GOLD}} \cdot (2) \cdot \left(Radius_{\text{SmPyr}}\right) = \left(9.665588 \cdot 10^2\right) \; \frac{ft}{s}$$

The temperature for the lower velocity $vel_{\text{fmagdiskside}}$ along one side is:

$$\left(\frac{vel_{\text{fmagdiskside}} \cdot \frac{s}{ft}}{49}\right)^2 - 459 = -6.989714 \cdot 10 \qquad \text{which is in deg. F.}$$

The temperature is below freezing and is equal equal to -56.60952222 degrees centigrade.

**The temperature differential may create a powerful energy flow that would draw power from the Earth and radiate it throughout the pyramid. The effect on the surroundings may also draw energy from all lifeforms and may explain why the region is now a desert.**

The small pyramid's proportions are harmoniously fitted into the Great Pyramid's structure.

$$Radius_{\text{SmPyr}} \cdot \frac{4}{\pi} = \left(3.795668 \cdot 10^2\right) \; ft \qquad \text{Equals length of 1/2 of one side of the Great Pyramid.}$$

$$Radius_{\text{SmPyr}} \cdot \left(\frac{4}{\pi}\right)^2 = \left(4.832794 \cdot 10^2\right) \; ft \qquad \text{Equals height of Great Pyramid.}$$

Finally, $\quad \Delta Pyr_{\text{Radius}} \cdot 2 = \left(1.629115 \cdot 10^2\right) \; ft$

The above is very close to 100 times $\Phi_{\text{GOLD}}$.

There are other pyramids that have been found to have a smaller pyramid inside.

The atomic fine structure alpha $(\alpha)$, (known as the photon coupling constant), also has a direct connection to the Grand Gallery resonators distance of separation and the hyperfine wavelength of the radiation frequency of the hydrogen atom. This is also directly related to the physical length of one side of the Great Pyramid.

$$\gamma_{ResDist} := GP_{Side} \cdot \alpha = 5.539665 \; ft \qquad \text{Where:} \qquad \lambda_{H1} = \left(6.924578 \cdot 10^{-1}\right) \; ft$$

$$\frac{\gamma_{ResDist}}{\lambda_{H1}} = 8.000004$$

Eight times the wavelength of the hydrogen emission wavelength equals the distance between the resonator stacks.

Also, recall the previous connection between the Key of David frequency and alpha as:

$$f_{FUND} := \frac{fKey_{David} \cdot \alpha}{2 \cdot \pi} = \left(5.160246 \cdot 10^{-1}\right) \; Hz$$

**How does alpha connect with the smaller pyramid and the hydrogen hyperfine wavelength of hydrogen?**

$$Diameter_{SmPyr} := \lambda_{fmagdisk} \cdot \frac{1}{4} = \left(5.962221 \cdot 10^{2}\right) \; ft$$

Therefore, $\qquad \dfrac{Diameter_{SmPyr} \cdot \alpha}{2 \cdot \pi \cdot \lambda_{H1}} = 1.000001$

Then alpha $\alpha$ and the hyperfine wavelength of hydrogen works into the geometry of the smaller pyramid inside of the larger pyramid harmoniously.

**A Refresh of the fundamentals related to the G.P. operational boundary conditions:**

$f_{COSMIC} = \left(6.002385 \cdot 10\right) \; Hz \qquad\qquad$ Universal Cosmic Refresh Rate.

$\alpha = 7.297353 \cdot 10^{-3} \qquad\qquad$ Atomic Fine Structure Constant.

$\Phi_{GOLD} = 1.621139 \qquad\qquad$ Golden Pyramidal Ratio: (4/pi) squared.

**Master Equation For The Boundary Conditions Of The Great Pyramid Of Egypt**

$$\frac{f_{COSMIC} \cdot 12 \cdot \alpha}{\Phi_{GOLD} \cdot 2 \cdot \pi} = \left(5.160246 \cdot 10^{-1}\right) \; Hz \qquad \text{Which equals:} \qquad f_{FUND} = \left(5.160246 \cdot 10^{-1}\right) \; Hz$$

Below is the solution that derives an infrared frequency based on the energy differential associated with the inner and outer temperatures within the Great Pyramid of Egypt. (Refer to pages 5 and 19 previous.) Perhaps the Pyramids were built to warm the planet so as to end the Ice Age which ended 11,500 years ago.

See: https://www.livescience.com/40311-pleistocene-epoch.html

Copy and paste the above link into your browser for reference validation of the date.

GIVEN:

$$VEL_{Acoustic} = (1.230661 \cdot 10^3) \; \frac{ft}{s}$$ 
Normal operating acoustic velocity.

$$\left( \frac{VEL_{Acoustic} \cdot \frac{s}{ft}}{49} \right)^2 - 459 = 1.717898 \cdot 10^2$$ 
deg Fahrenheit (Operating)

$$(1.717898 \cdot 10^2 + 459.67) \cdot \frac{5}{9} = 3.50811 \cdot 10^2$$ 
deg Kelvin   (Operating)

$$vel_{fmagdiskside} = (9.665588 \cdot 10^2) \; \frac{ft}{s}$$ 
Lower inner acoustic velocity.

$$\left( \frac{vel_{fmagdiskside} \cdot \frac{s}{ft}}{49} \right)^2 - 459 = -6.989714 \cdot 10$$ 
deg Fahrenheit   (Operating)

$$(-6.989714 \cdot 10 + 459.67) \cdot \frac{5}{9} = 2.165405 \cdot 10^2$$ 
deg Kelvin   (Operating)

$$k_B := 1.380658 \cdot 10^{-23} \quad \frac{J}{K}$$   = Boltzmann's Constant, SI Units.   LET:   $$h_D := \frac{h}{\pi}$$

$$\Delta E := \left( \left( \frac{3}{2} \right) \cdot 1.380658 \cdot 10^{-23} \cdot (3.50811 \cdot 10^2 - 2.165405 \cdot 10^2) \right) \cdot J$$

$$\Delta E = (2.780725 \cdot 10^{-21}) \; J$$   Finally, the pyramid radiates infrared heat:

THEN:   $$\Delta f := \frac{\Delta E}{h_D} = (1.318414 \cdot 10^{13}) \; Hz$$   =Infrared Region of light.

Pyramids exist the world over. This may help to explain how the Ice Age ended somewhat abruptly. Infrared radiation is penetrating and heats up matter efficiently as a result. The scale of this process must have been regulated carefully to keep the amount of heating within limits to prevent destruction of the pyramids as well as the surrounding surface structures. If external radiation at the frequencies of operation of the Great Pyramid raised the operating energy output to uncontrollable levels, it may have caused worldwide destruction of pyramids and surrounding areas.

For instance, narrow-pulse modulating the hyperfine frequency of hydrogen at the time interval rate of the Key Of David frequency may cause the energy output to go to uncontrollable levels. Human beings are mostly salt water. In the Biblical story of Sodom and Gamora, Lot's wife was turned into a 'pillar of salt' by pausing to look back at the destruction to her city. Perhaps she was microwaved by an intense infrared hyperfine frequency of hydrogen at the Key of David pulse interval rate. Likewise, so-called spontaneous human combustion reports in the 19th and 20th century have been reported. Forest fires could be started from UAP (UFO's) or other craft.

## A Quantum Side Trip:

Perhaps the proton could be a pyramidal shape (AKA tetrahedron) and may be emitting a pressure wave much like the pyramid field action described above.

Given the following S.I. parameters for calculation: $\boxed{m_e := 9.108318 \cdot 10^{-31} \cdot kg}$     Adjusted

$m_e = \left(9.108318 \cdot 10^{-31}\right) kg$      $m_p := \left(1.6726231 \cdot 10^{-27}\right) \cdot kg$      $\Phi_{GOLD} = 1.621139$

and;     $q_o := 1.602177330 \cdot 10^{-19} \cdot C$

Then: Deriving the mass of a proton based on the mass of an electron;

$$m_{pCalc} := \frac{m_e}{\alpha} \cdot \left(\Phi_{GOLD}{}^3\right) \cdot \pi = \left(1.670642 \cdot 10^{-27}\right) kg$$

Then solving for the binding energy needed for binding to a neutron:

$$\frac{\left(m_p - m_{pCalc}\right) \cdot c_{vel}{}^2}{q_o} = \left(1.111285 \cdot 10^6\right) V \qquad\qquad \text{Deuterium} \quad 1.112 \text{ MeV} \quad \text{Actual}$$

$$\frac{\left(m_p - m_{pCalc}\right) \cdot c_{vel}{}^2}{q_o} \cdot \Phi_{GOLD}{}^2 = \left(2.920559 \cdot 10^6\right) V \qquad \text{Tritium } 2.827 \text{ MeV} \quad \text{Actual}$$

Refer to the quote below for salient data. The above would suggest instability.

According to BING search, the following is a quote using A.I.:

> The binding energy of a nucleus is the energy required to break it apart into its constituent protons and neutrons. It can be calculated by comparing the mass of the nucleus with the sum of the masses of its protons and neutrons, and multiplying the difference by the speed of light squared (E = mc^2). The higher the binding energy, the more stable the nucleus is.
>
> According to 1, the binding energy of H-2 (deuterium) is about 1.112 MeV per nucleon, and the binding energy of H-3 (tritium) is about 2.827 MeV per nucleon. These values are obtained by using a quantum algorithm to simulate the interaction between a proton and a neutron in a harmonic oscillator basis. Alternatively, one can use the average bond energies of H-H and H-Cl from 2 to estimate the binding energy of H-2 and H-3, respectively. Using this method, we get:
>
> Binding energy of H-2 = 2 x average bond energy of H-H = 2 x 436 kJ/mol = 872 kJ/mol
> Binding energy of H-3 = 2 x average bond energy of H-Cl = 2 x 431 kJ/mol = 862 kJ/mol
> These values are much lower than the ones from 1, because they do not account for the nuclear forces that hold the protons and neutrons together. The bond energies in 2 are based on the electrostatic attraction between atoms, which is much weaker than the nuclear attraction between nucleons

Allowing for the binding energy to be the electric field, the distance needed to arrive at the needed binding energy can be calculated as follows:

First establish: $\qquad \varepsilon_o := 8.854187817 \cdot 10^{-12} \cdot \dfrac{F}{m}$ $\qquad\qquad$ $mass_{neutron} := 1.6749286 \cdot 10^{-27} \cdot kg$

Where: $E_E := q_o \cdot (1.112 \cdot 10^{06} \cdot V)$ $\qquad$ And, $\qquad E_E = \dfrac{q_o^{\,2}}{4 \cdot \pi \cdot \varepsilon_o \cdot r_B}$

Then: $\qquad r_B := \dfrac{q_o^{\,2}}{4 \cdot \pi \cdot \varepsilon_o \cdot E_E} = (1.294933 \cdot 10^{-15})\ m$

The Compton radius of the neutron is: $\qquad r_n := \dfrac{h}{mass_{neutron} \cdot c_{vel}} = (1.31959 \cdot 10^{-15})\ m$

Then the electric field binding energy radius just fits into the neutron radius with a little neutron radius left over. This may account for the decay time of the neutron.

Page 24 next presents the quantum form of gravitational force action. It operates instantly in non-local space and is therefore not electrodynamic but is point-to-point.

ELECTROGRAVITATIONAL_FREQUENCY.mcdx

$$m_p := 1.6726231 \cdot 10^{-27} \cdot kg \qquad m_e := 9.1093897 \cdot 10^{-31} \cdot kg \qquad h := 6.6260755 \cdot 10^{-34} \cdot J \cdot s$$

**Proton Related Quantum of Rotation**      **Electron Related Quantum of Rotation**

$$Q_{CIRCp} := \frac{h}{m_p} = (3.961487 \cdot 10^{-7}) \frac{m^2}{s} \qquad Q_{CIRCe} := \frac{h}{m_e} = (7.273896 \cdot 10^{-4}) \frac{m^2}{s}$$

$$\alpha_{LQV} := \alpha \cdot \frac{m^2}{s^2} \qquad \alpha_o := 5.29177249 \cdot 10^{-11} \cdot m \quad = \text{Bohr n1 Radius of hydrogen}$$

$$G_{grav} := 6.67259 \cdot 10^{-11} \cdot N \cdot m^2 \cdot kg^{-2} \qquad v_{LM} := \sqrt{\alpha_{LQV}} = (8.542455 \cdot 10^{-2}) \frac{m}{s}$$

$$f_{EGp} := \left(\frac{Q_{CIRCp}}{\alpha_{LQV}}\right)^{-1} = (1.842074 \cdot 10^4) \; Hz \qquad f_{EGe} := \left(\frac{Q_{CIRCe}}{\alpha_{LQV}}\right)^{-1} = (1.003225 \cdot 10) \; Hz$$

Dividing $f_{EGp}$ by 28000 Hz in the below expression yields the quantum fundamental frequency of $(5.167005 \cdot 10^{-1}) \; Hz$. Note that 28000 Hz is the frequency radiated from the top of the Great Pyramid of Bosnia.

Dividing $f_{EGe}$ by 15.25 Hz in the below expression also yields the quantum fundamental frequency of $(5.16676 \cdot 10^{-1}) \; Hz$. Note that $(1.003225 \cdot 10) \; Hz$ is the quantum electrogravitational frequency for the electron.

$$\frac{f_{EGp}}{28000 \cdot Hz} \cdot \frac{1}{\left(\frac{4}{\pi}\right) \cdot sec} = (5.167005 \cdot 10^{-1}) \; Hz \qquad \frac{f_{EGe}}{15.25 \cdot Hz} \cdot \frac{1}{\left(\frac{4}{\pi}\right) \cdot sec} = (5.16676 \cdot 10^{-1}) \; Hz$$

Using the quantum frequencies from the above calculations, $(1.842074 \cdot 10^4) \; Hz$ and $(1.003225 \cdot 10) \; Hz$, we can calculate the <u>quantum electrogravitational force</u> between the proton and the electron at the Bohr radius of the n1 energy level of hydrogen and then compare the answer to the classical standard Newton gravitational force equation.

$$F_{EGpe} := \frac{h \cdot f_{EGp}}{\alpha_o} \cdot \frac{G_{grav}}{v_{LM}^4} \cdot \frac{h \cdot f_{EGe}}{\alpha_o} = (3.630609 \cdot 10^{-47}) \; N$$

Quantum EG Calculation for Bohr n1 EG Force between the electron and proton.

Where; $\qquad \dfrac{m_p}{\alpha_o} \cdot G_{grav} \cdot \dfrac{m_e}{\alpha_o} = (3.630609 \cdot 10^{-47}) \; N$

Standard Newtonian Gravitational Calculation.

Below is demonstrated from the electrogravitational equation above that the total electrogravitational action force is derived from the entanglement of the two quantum magnetic forces shown below. This interaction is effectively instantaneous.

**Proton Force <u>Magnetic</u>.**

$$\frac{h \cdot f_{EGp}}{\alpha_o} = \left(2.306547 \cdot 10^{-19}\right) N$$

**Electron Force <u>Magnetic</u>.**

$$\frac{h \cdot f_{EGe}}{\alpha_o} = \left(1.256185 \cdot 10^{-22}\right) N$$

We are looking at instantaneous action between two monopoles of force. The constant below is of the form that is used in the Einstein Gravitational Field Equation except the least quantum velocity $v_{LM}$ is used instead of the speed of light in the denominator.

$$\frac{G_{grav}}{v_{LM}^{4}} = \left(1.253036 \cdot 10^{-6}\right) \frac{1}{N}$$

This suggests that there is a shared connection between General Relativity and Quantum Mechanics via the above constant expression.
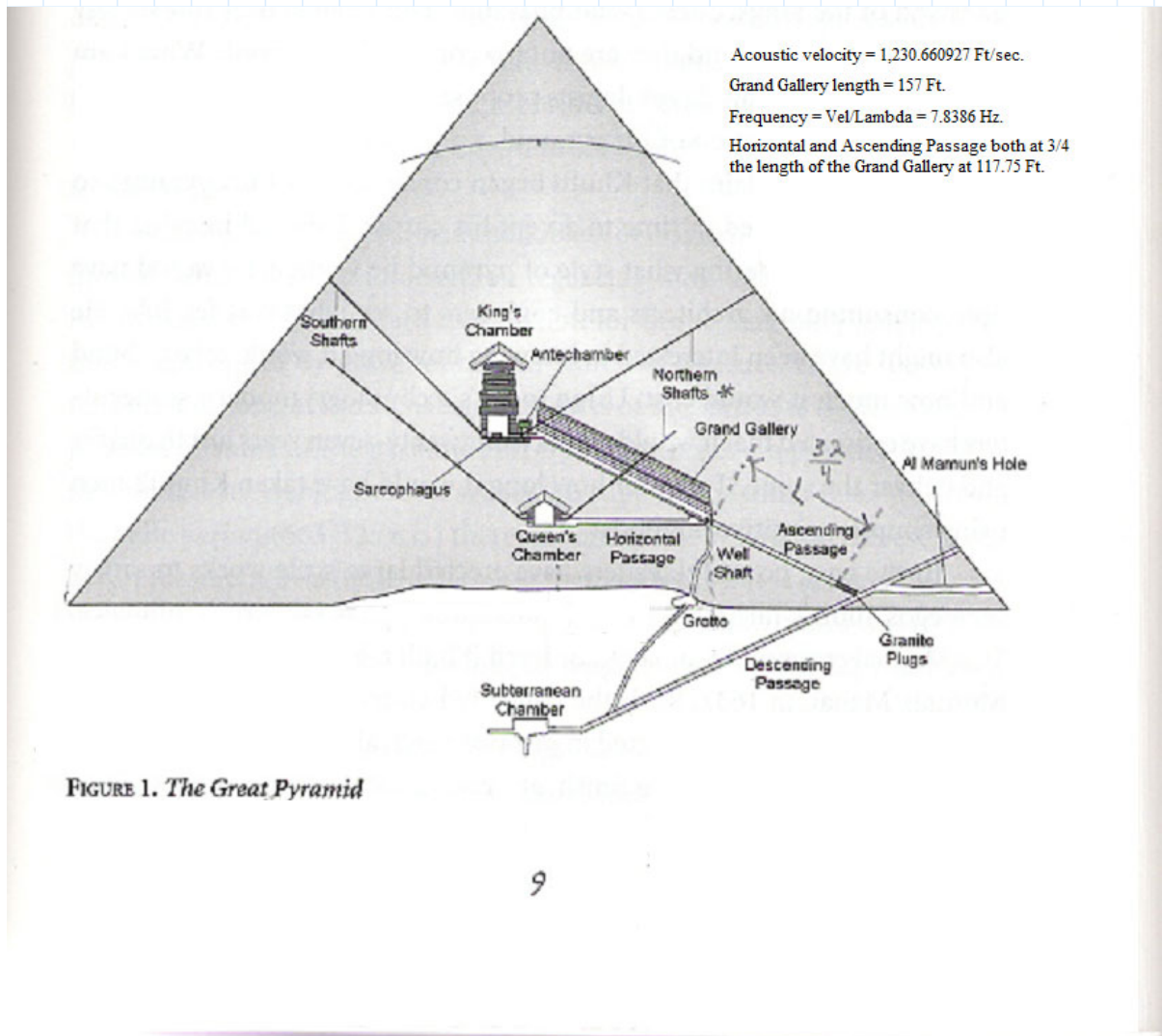
The General Theory Of Relativity is strongly influenced by Maxwell's electromagnetic wave equations and thus is the assumption that gravitational waves are transported at the speed of light. Thus, Einstein created a field that has Tensors that can stretch distance in three dimensions of length as well as of time and in so doing it is as if it describes a physical reality that has 'substance'. Tensors are normally used in engineering calculations involving stress, strain and shear forces of **real** physical bulk modulus. From this assumption, mass was given the ability to stretch and change the shape of the assumed 'field' according to the amount of mass-energy in Joules/meters cubed, or force per meter squared; (Pressure). From that approach, physicists allowed that assumed 'real' field to tell mass how to move. Copy and paste the following link to an excellent description of the actual units involved in Einstein's Field Equation of Relativity.

https://physics.stackexchange.com/questions/34977/what-are-the-units-of-the-quantities-in-the-einstein-field-equation

Thus, the so called 'Fabric Of Space-Time' is an assumed reality. It is, however, a method that can be used to correct for gravitational lensing of light around massive objects in space as well as other effects such as doppler shift in the fall of light through a gravitational field. However, there is no such thing as the 'Fabric Of Space-Time' and this assumption has served to obviate the proper understanding that gravitational action is purely quantum and is caused by non-local instantaneous entanglement of matter on the quantum scale.  A large release of photon energy from a supernova can create electromagnetic waves containing the **v**ector **m**agnetic **p**otential, (A-vector), that may create effects in the Gravitational Wave Detectors that are taken as 'gravity waves'. The A-vector cannot be shielded against and it affects the momentum of particles and laser beam photons apart from the magnetic field that creates the A-vector.

On page 1 the reader was directed to a video that displays the combined frequencies of the King and Queens chambers as well as the Grand Gallery where it was shown that the combining of the specific frequencies begin to form pulses out of sine waves. The highest amplitude pulses are from the lowest frequency. In the below pictorial I visualize the pulse energy traveling from the Queens Chamber to the Granite Plugs and rebounding with increased amplitude and sharper risetime to travel upwards to the Grand Gallery and finally into the King's Chamber greatly amplified with very fast rise times that will stimulate the Hydrogen atoms to release the hyperfine frequency of radiation at $1.420405 \times 10^9$ Hz.
See page 8 above for credit involving the below copied figure: Christopher Dunn in his book, "The Giza Powerplant", Bear & Company, 1998."

**Figure 5:**



Acoustic velocity = 1,230.660927 Ft/sec.
Grand Gallery length = 157 Ft.
Frequency = Vel/Lambda = 7.8386 Hz.
Horizontal and Ascending Passage both at 3/4 the length of the Grand Gallery at 117.75 Ft.

FIGURE 1. *The Great Pyramid*

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The YouTube.com video that demonstrates the pulse forming action of the sine-wave combination action is located at:

https://www.youtube.com/watch?v=dpeVnNlbIs4

Copy the above link and paste it into your browser for viewing.

Below, (in Figure 6), is a copied television program information concerning the Great Pyramid of Bosnia and that it is related to the inverse of of the Golden Ratio PHI at 0.618.

**Figure 6:**
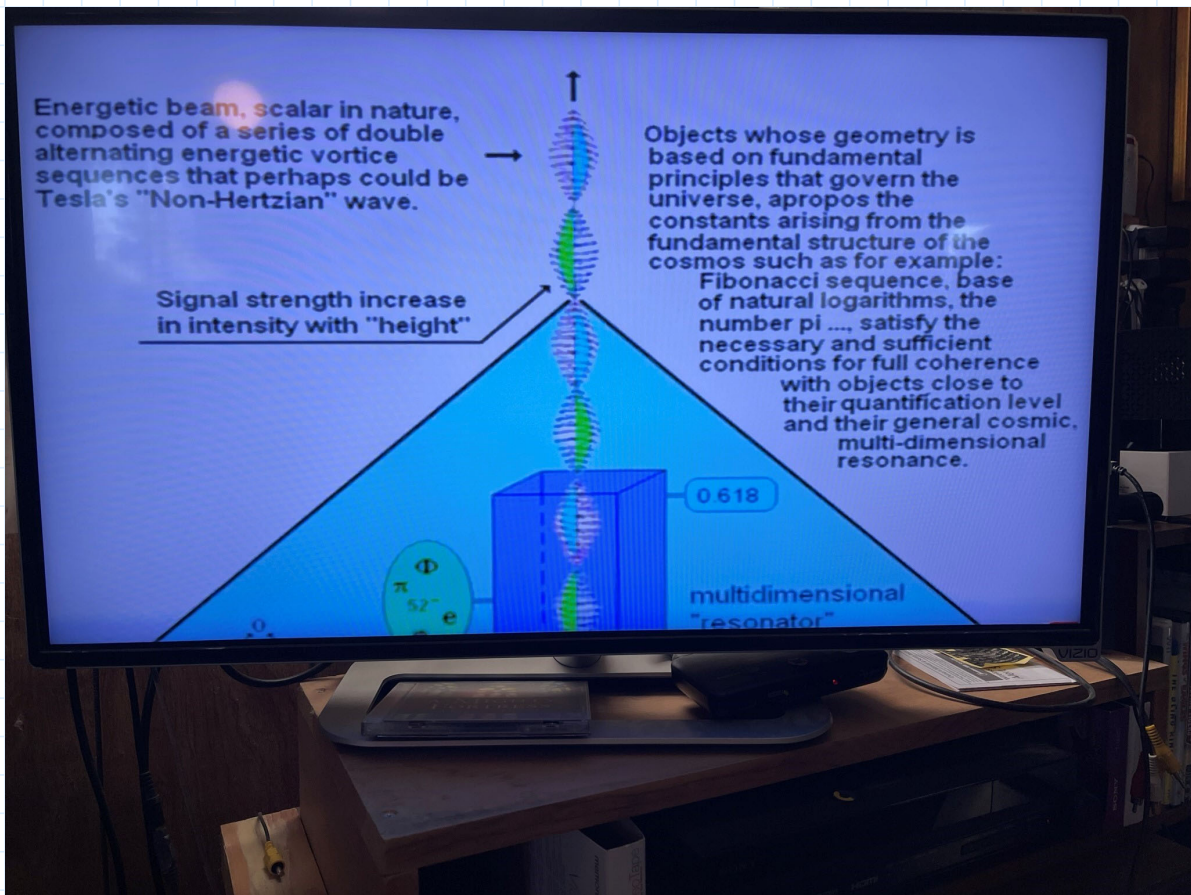


Some researchers have revealed that pyramids around the world have similar radiation beamed from the top of their structures. The 'Guardians of Egyptian history' have forbidden researchers from doing that type of investigation.

**Bosnia Pyramid And Hydrogen Wavelength**

Pyramid height = 220 meters = 721.8 feet. Slope = 45 degrees/side. Base = 440 meters/side = 1443.6 feet/side. There is a frequency radiated from the top of the pyramid ~= 28,000 Hz.

Four relevant velocities are:
Air = 375.105 meters/sec. = 1230.660 feet/sec.
Water = Air x 4 = 1500.421 meters/sec. = 4922.643 feet/sec.
Granite = Water x 4 = 6001.682 meters/sec. - 19690.574 feet/sec.
Diamond = 2 x Granite = 12003.374 meters/sec. = 39381.149 feet/sec.

$$f_{BP} := \frac{6001.682 \; m \cdot s^{-1}}{\lambda_{H1}} = \left(2.843575 \cdot 10^4\right) \; Hz$$

Note the multiplication by 4 for each increase of velocity from air to Granite. This is available online from charts by searching for velocities in materials. Allowing for the actual acoustic velocity to be somewhat less than $6001.682 \; m \cdot s^{-1}$ can put the frequency $f_{BP}$ right on 28,000 Hz. The material is not solid granite but is close to that density.

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**Two Electrogravitational Equations Define The Composite Action Of Gravity At Different Points In Time.**

Next is presented an expansion of my first attempt at defining the necessary components of what I have termed the Electrogravitational Equation. In this updated version there is presented two forms that appear nearly identical except for the gravitational connecting constant. The first form is a purely quantum non-local instantaneous acting form and the second form is the speed of light local acting form. Both versions have the Vector Magnetic Potential (A-Vector) in the action that creates a force where the A-Vector in either cannot be shielded against. Then a distant Super Nova that creates a massive energy conversion of matter to energy emits an instantaneous non-local quantum action force throughout the universe and some time much later the related electromagnetic gravitational action force reaches the LIGO detectors on Earth.

**The related constants for calculation of the equations next are presented below.**

$$f_{LM} := 1.003224805 \cdot 10^{01} \cdot Hz \qquad \lambda_{LM} := v_{LM} \cdot f_{LM}^{-1} = \left(8.514995 \cdot 10^{-3}\right) \; m \qquad \Delta r := \alpha_o$$

$$i_{LM} := q_o \cdot f_{LM} = \left(1.607344 \cdot 10^{-18}\right) \; A \qquad \mu_o := 1.256637061 \cdot 10^{-06} \cdot H \cdot m^{-1}$$

$$l_q := \alpha^2 \cdot \alpha_o = \left(2.817941 \cdot 10^{-15}\right) \; m \qquad \alpha = 7.297353 \cdot 10^{-3}$$

The equations below calculate the EG force between two electrons but the magnetic permeability could be set for the proton ratio of 1836 to 1 if desired. Note that the electrogravitational constants are used that are derived from the least quantum velocity equal to the square root of the atomic fine structure constant $\alpha$ in meter per second units.

$$\left|\quad\text{Force}\quad\right|\qquad\left|\qquad\left|\quad\text{Force}\quad\right|\right.$$
$$\left|\text{ A-Vector }\right|\qquad\qquad\left|\text{ A-Vector }\right|$$
$$\left|\text{ Connecting Quantum Constant }\right|$$
$$\left|\text{ Amps }\right|\qquad\left|\text{ Amps }\right|$$
$$\left|\text{1/N GQ}\right|$$

$$F_{EQG} := \left(\frac{\mu_o \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r}\right) \cdot \left(\left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) \cdot \frac{G_{grav}}{v_{LM}^4} \cdot \left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right)\right) \cdot \left(\frac{\mu_o \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r}\right) \qquad \begin{array}{l}= \text{Quantum}\\ \quad\text{Instant}\\ \quad\text{Action}\end{array}$$

$$F_{EQG} = \left(1.977291 \cdot 10^{-50}\right) \, N$$

$$\left(\left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) \cdot \frac{G_{grav}}{v_{LM}^4} \cdot \left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right)\right) = \left(2.955878 \cdot 10^{-17}\right) \frac{A^2}{N} \qquad \color{red}{\begin{array}{l}\text{Quantum Non-}\\ \text{Local Connection}\end{array}}$$

$$\left(\frac{\mu_o \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r}\right) = \left(2.586379 \cdot 10^{-17}\right) \frac{V \cdot s}{m} \qquad \left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) = \left(4.856925 \cdot 10^{-6}\right) A$$

$$\left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) \cdot \left(\frac{\mu_o \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r}\right) = \left(1.256185 \cdot 10^{-22}\right) N \qquad \color{teal}{\textbf{\underline{Monopole}}}$$

$$F_{EMG} := \left(\frac{\mu_o \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r}\right) \cdot \left(\left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) \cdot \mu_o \cdot \left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right)\right) \cdot \left(\frac{\mu_o \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r}\right) \qquad \begin{array}{l}= \text{EM}\\ c_{vel} \text{ Action}\end{array}$$

$$F_{EMG} = \left(1.982973 \cdot 10^{-50}\right) N \cdot \frac{H}{m} \cdot N \qquad \left(\frac{\mu_o \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r}\right) = \left(2.586379 \cdot 10^{-17}\right) \frac{V \cdot s}{m}$$

$$\left(\left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) \cdot \mu_o \cdot \left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right)\right) = \left(2.964371 \cdot 10^{-17}\right) N \qquad \color{red}{\begin{array}{l}\text{Electromagnetic}\\ \text{Vector Force}\\ \text{Connector}\end{array}}$$

$$\left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) \cdot \left(\frac{\mu_o \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r}\right) = \left(1.256185 \cdot 10^{-22}\right) N \qquad \color{teal}{\textbf{\underline{Monopole}}}$$

$$GQ_{CONN} := \left(\left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) \cdot \frac{G_{grav}}{v_{LM}^4} \cdot \left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right)\right) = \left(2.955878 \cdot 10^{-17}\right) \frac{A^2}{N}$$

Energy Space (Non-Local)

$$GEM_{CONN} := \left(\left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) \cdot \mu_o \cdot \left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right)\right) = \left(2.964371 \cdot 10^{-17}\right) N$$

Normal Space (Local)

$h = \left(6.626076 \cdot 10^{-34}\right) J \cdot s \qquad f_{LM} = \left(1.003225 \cdot 10\right) Hz \qquad E_{LM} := h \cdot f_{LM} = \left(6.647443 \cdot 10^{-33}\right) J$

$$QEM_{ACTION} := GQ_{CONN} \cdot GEM_{CONN} = \left(8.76232 \cdot 10^{-34}\right) A^2$$

$$L_{EMG} := \frac{\left(E_{LM}\right)}{QEM_{ACTION}} = 7.586397 \ H$$

It may be possible to link directly into energy space via suitable inductance and capacitance choice.

$\mu_o = \left(1.256637 \cdot 10^{-6}\right) \frac{H}{m} \qquad q_o = \left(1.602177 \cdot 10^{-19}\right) C \qquad l_q = \left(2.817941 \cdot 10^{-15}\right) m$

$\dfrac{\mu_o \cdot q_o^2}{4 \cdot \pi \cdot l_q} = \left(9.10939 \cdot 10^{-31}\right) kg \qquad$ Where, $\qquad m_e = \left(9.10939 \cdot 10^{-31}\right) kg \qquad$ Q.E.D.

The above equation involving the $\mu_o$ term establishes the fact that magnetic permeability of free space is connected intimately with the creation of mass along with charge squared all divided by the classic radius of the electron.

The amount of capacitance to resonate at $f_{LM}$ frequency is:

$$C_{EMG} := \frac{1}{4 \cdot \pi^2 \cdot \left(f_{LM}\right)^2 \cdot L_{EMG}} = \left(3.317479 \cdot 10\right) \mu F$$

Check: $\qquad \dfrac{1}{2 \cdot \pi \cdot \sqrt{L_{EMG} \cdot C_{EMG}}} = \left(1.003225 \cdot 10\right) Hz \qquad = f_{LM}$

$X_{LEMG} := \dfrac{2 \cdot \pi \cdot f_{LM} \cdot L_{EMG}}{\left(\frac{4}{\pi}\right)} = \left(3.755809 \cdot 10^2\right) \Omega \qquad$ =Inductive Reactance

Where; $R_s := c_{vel} \cdot \mu_o = \left(3.767303 \cdot 10^2\right) \Omega$
= Impedance of free space.

$X_{CEMG} := \dfrac{1}{2 \cdot \pi \cdot f_{LM} \cdot C_{EMG} \cdot \frac{4}{\pi}} = \left(3.755809 \cdot 10^2\right) \Omega \qquad$ =Capacitive Reactance

Combining the Quantum and EM as a product by the connectors, we end up with a force much greater than the gravitational force by 11 orders of magnitude.

$$QEM_{ACTION} \cdot \mu_o = (1.101106 \cdot 10^{-39}) \; N \qquad \text{Black Hole creation?}$$

A simplified form of quantum non-local electrogravitation is shown below.

$$F_{QEG} := \frac{E_{LM}}{\Delta r} \cdot \frac{G_{grav}}{v_{LM}^4} \cdot \frac{E_{LM}}{\Delta r} = (1.977291 \cdot 10^{-50}) \; N$$

The simple form above does yield the correct result but lacks important components of the $F_{EMG}$ equation on the bottom of page 29. For example, looking at the Connecting EM force constant:

$$\left( \left( \frac{i_{LM} \cdot \lambda_{LM}}{l_q} \right) \cdot \mu_o \cdot \left( \frac{i_{LM} \cdot \lambda_{LM}}{l_q} \right) \right) = (2.964371 \cdot 10^{-17}) \; N$$

Multiplying this by the electrogravitational wavelength $\lambda_{LM}$ we arrive at an energy constant directly related to the force of the electromagnetic version of electrogravitation.

$$E_{EMGK} := \lambda_{LM} \cdot \left( \left( \frac{i_{LM} \cdot \lambda_{LM}}{l_q} \right) \cdot \mu_o \cdot \left( \frac{i_{LM} \cdot \lambda_{LM}}{l_q} \right) \right) = (2.524161 \cdot 10^{-19}) \; J$$

Boltzmann Constant: $\qquad k_B := 1.380658 \cdot 10^{-23} \cdot \dfrac{J}{K} \qquad$ And: $\qquad E = \dfrac{3}{2} \cdot k_B \cdot T_K$

Then, the energy is converted to degrees Kelvin. $\qquad\qquad$ (Boltzmann Equation)

$$T_{K1} := \frac{2 \cdot (2.524161 \cdot 10^{-19})}{3 \cdot (1.380658 \cdot 10^{-23})} = 1.21882 \cdot 10^4 \quad \text{deg. Kelvin}$$

Finally, the degrees Kelvin is converted to degrees Fahrenheit:

$$T_{F1} := \frac{9}{5} \cdot (T_{K1} - 273.15) + 32 = 2.14791 \cdot 10^4 \qquad \text{deg. Fahrenheit.}$$

The surface of Earth's sun is about 10,000 degrees Fahrenheit. The $T_{F1}$ above is a bit over twice the temperature of our sun's surface. Thankfully, this energy is locked into the constant geometry of $E_{EMGK}$ as a standing wave under normal conditions. However, there may have been an instance where the frequency of operation of the Great Pyramid rose to a point where the above constant became an emission of electromagnetic energy which would be catastrophic to the surroundings and even melt some granite structures as well as turn a very large area into a permanent desert..

In comparison, the left or right side of the EM gravitational force equation $F_{EMG}$ on the bottom of page 29 is presented below.

$$E_{EMG} := \left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) \cdot \left(\frac{\mu_o \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r}\right) \cdot \lambda_{LM} = (1.069641 \cdot 10^{-24}) \; J$$

$$E = \frac{3}{2} \cdot k_B \cdot T_K \qquad k_B := 1.380658 \cdot 10^{-23} \cdot \frac{J}{K}$$

$$T_{K2} := \frac{2}{3} \cdot \frac{1.069641 \cdot 10^{-24}}{1.380658 \cdot 10^{-23}} = 5.164885 \cdot 10^{-2} \qquad \text{Degrees Kelvin}$$

Converting the above degrees kelvin to Fahrenheit:

$$T_{F2} := \frac{9}{5} \cdot (T_{K2} - 273.15) + 32 = -4.59577 \cdot 10^{2}$$

Absolute zero degrees Fahrenheit is: $\qquad Fzero_{Deg} := -459.67 \qquad$ Degrees

$$\frac{E_{EMG}}{h_D} = (5.071445 \cdot 10^9) \; Hz$$

$$\frac{E_{EMG}}{h_D \cdot (2 \cdot \pi^2)} = (2.569224 \cdot 10^8) \; Hz \qquad \text{Where:} \qquad 2 \cdot \pi^2 \cdot r^3 \quad \begin{array}{l}\text{is the volume}\\\text{of a torus.}\end{array}$$

Where: $\qquad \dfrac{c_{vel} \cdot \alpha}{\lambda_{LM}} = (2.569222 \cdot 10^8) \; Hz \qquad$ Electrogravitational Connection to Bohr n1 energy level and Electrogravitational wavelength.

The active EMG wave portion of the action components of $F_{EMG}$ operate at almost zero degrees Kelvin. Perhaps is related to superconductivity where near absolute zero $E_{EMG}$ is able to operate freely. Teleportation is also a possibility by switching EG equation sides.

The opposite sides of the $F_{EMG}$ equation can be apart out to infinity and still interact by being instantly aware of each other since they contain the Vector Magnetic Potential which is a quantum action of entanglement. However, the force of reaction is constrained to the velocity of light since it is electromagnetic in the EM radiation portion of the action.

Postulate: What if the entire universe is in the shape of a pyramid? Further, there are mirror image universes where the base of each pyramid is connected to the other forming an 8-sided figure?

The next salient portion of the electromagnetic electrogravitational equation is the ampere statement that is in both the <u>Connecting Quantum Constant</u> and <u>A-Vector Force</u> section of the $F_{EMG}$ equation on page 29. This is repeated below.

$$\Phi_o := 2.067834610 \cdot 10^{-15} \cdot V \cdot s = \left(2.067835 \cdot 10^{-15}\right) \; \boldsymbol{Wb} \qquad \text{Units S.I.}$$

$$I_{EMG} := \left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) = \left(4.856925 \cdot 10^{-6}\right) \; \boldsymbol{A} \qquad L_{IEMG} := \frac{\Phi_o}{I_{EMG}} = \left(4.257498 \cdot 10^{-10}\right) \; \boldsymbol{H}$$

$$E_{IMG} := L_{IEMG} \cdot I_{EMG}^{\;2} = \left(1.004332 \cdot 10^{-20}\right) \; \boldsymbol{J}$$

$$T_{K3} := \frac{2}{3} \cdot \frac{1.004332 \cdot 10^{-20}}{1.380658 \cdot 10^{-23}} = 4.849533 \cdot 10^2 \qquad \text{Degrees Kelvin.}$$

Converting to degrees Fahrenheit:

$$T_{F3} := \frac{9}{5} \cdot \left(T_{K3} - 273.15\right) + 32 = 4.13246 \cdot 10^2 \qquad \text{Degrees Fahrenheit.}$$

This is in the mid range of superheated steam which means that the Great Pyramid may have been similar to a steam engine where the superheated steam exchanged energy without condensation. The pyramid was located near an ample source of water in the Nile and this may have been by design rather than an accident. This would also have increased the acoustic velocity by a factor of 4 times over dry air.

$$f_{IMG} := \frac{E_{IMG}}{h_D} = \left(4.761799 \cdot 10^{13}\right) \; \boldsymbol{Hz} \qquad\qquad f_{EMGK} := \frac{E_{EMGK}}{h_D} = \left(1.196771 \cdot 10^{15}\right) \; \boldsymbol{Hz}$$

The ratio of the above frequencies is: $\dfrac{f_{EMGK}}{f_{IMG} \cdot (8 \cdot \pi)} = 1$ where $8 \cdot \pi$ is the ratio.

$$\frac{\left(\dfrac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) \cdot \mu_o \cdot \left(\dfrac{i_{LM} \cdot \lambda_{LM}}{l_q}\right)}{\left(\dfrac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) \cdot \left(\dfrac{\mu_o \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r}\right)} \cdot \left(\frac{\alpha^2}{4 \cdot \pi}\right) = 1$$

The ratio of the <span style="color:red">Electromagnetic Vector Force Connector in the</span> $F_{EMG}$ equation to its <u><span style="color:blue">Monopole</span></u> force portion is as shown above as: $4 \cdot \pi / \alpha^2$ .

$$4 \cdot \pi \cdot \alpha^{-2} = 2.359821 \cdot 10^5$$

From page 29, the electrogravitational electromagnetic local equation is shown below for further examination and comment.

$$\begin{matrix} | & \text{Force} & | & | & \text{Force} & | \\ | & \text{A-Vector} & | & & | & \text{A-Vector} & | \\ & & | & \text{Connecting Quantum Constant} & | & \\ & & | & \text{Amps} & | & | & \text{Amps} & | \end{matrix}$$

$$F_{EMG} := \left( \frac{\mu_o \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r} \right) \cdot \left( \left( \frac{i_{LM} \cdot \lambda_{LM}}{l_q} \right) \cdot \mu_o \cdot \left( \frac{i_{LM} \cdot \lambda_{LM}}{l_q} \right) \right) \cdot \left( \frac{\mu_o \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r} \right) \qquad \begin{matrix} = EM \\ c_{vel} \text{ Action} \end{matrix}$$

$$F_{EMG} = \left( 1.982973 \cdot 10^{-50} \right) N \cdot \frac{H}{m} \cdot N$$

**The Connecting Quantum Constant Force:**

$$F_{QC} := \left( \left( \frac{i_{LM} \cdot \lambda_{LM}}{l_q} \right) \cdot \mu_o \cdot \left( \frac{i_{LM} \cdot \lambda_{LM}}{l_q} \right) \right) = \left( 2.964371 \cdot 10^{-17} \right) N$$

$F_{QC}$ and $F_{MMQC}$ are entangled like gears.

**The Monopole Magnetic Quantum Force:**

$$F_{MMQC} := \left( \frac{i_{LM} \cdot \lambda_{LM}}{l_q} \right) \cdot \left( \frac{\mu_o \cdot i_{LM} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r} \right) = \left( 1.256185 \cdot 10^{-22} \right) N$$

The three forces above all occur simultaneously, where there are the dual Monopole Magnetic Quantum Forces on the left and right side of the $F_{EMG}$ equation connected by the Connecting Quantum Constant Force in the center. The $F_{MMQC}$ forces at either end can instantly swap places as a form of teleportation (as for the Philadelphia Experiment) and the non-local center force $F_{QC}$ is created out of the two $F_{MMQC}$ forces being entangled.

Degrees Fahrenheit in the Sun;s Corona = $2 \cdot 10^{06}$ $\qquad T_{K4} := \left( 2 \cdot 10^{06} + 459.67 \right) \cdot \frac{5}{9}$

$$E = \frac{3}{2} \cdot k_B \cdot T_K \qquad k_B := 1.380658 \cdot 10^{-23} \cdot \frac{J}{K} \qquad T_{K4} = 1.111366 \cdot 10^6 \quad \text{Deg Kelvin}$$

$$E_{COR} := \frac{3}{2} \cdot 1.380658 \cdot 10^{-23} \cdot \frac{J}{K} \cdot 1.111366 \cdot 10^6 \cdot K = \left( 2.301625 \cdot 10^{-17} \right) J$$

$$\frac{E_{COR}}{F_{QC}} = 2.54734 \; ft \quad \text{Where:} \quad \left( \frac{4}{\pi} \right) \cdot 2 = 2.546479 \quad \text{And:} \quad \frac{E_{COR}}{F_{MMQC}} = \left( 1.138498 \cdot 10^2 \right) mi$$

Where; $\qquad E_{COR} \cdot h_D^{-1} \cdot \pi = \left( 3.428295 \cdot 10^{17} \right) Hz \qquad$ =Ultraviolet Light.

The Magnetic Monopole Force may reach out to the point where the Connecting Quantum Constant Force can release its Energy which is contained within a $2.54734$ *ft* long standing wave packet. The energy of $F_{MMQC}$ will increase linearly with distance from the Sun. This also occurs with the stationary (standing) electromagnetic wave being emitted from the top of the Great Pyramid of Kosovo.

Let us return to the top of page 30 where the product of the center force connectors of the quantum gravitational force and the electromagnetic force connectors is shown as a straight multiplication. The product can be done with three element vector matrices as shown below which yields a preferred format which will be illuminating in terms of providing lift.

Now let the current be set at:
$$i_{LMNEW} := \left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) = \left(4.856925 \cdot 10^{-6}\right) A$$

$$GQ_{CONN} := \left(\left(\frac{i_{LMNEW} \cdot \lambda_{LM}}{l_q}\right) \cdot \frac{G_{grav}}{v_{LM}^4} \cdot \left(\frac{i_{LMNEW} \cdot \lambda_{LM}}{l_q}\right)\right) = \left(2.69893 \cdot 10^8\right) \frac{A^2}{N}$$
Quantum Gravity v=∞

$$GEM_{CONN} := \left(\left(\frac{i_{LMNEW} \cdot \lambda_{LM}}{l_q}\right) \cdot \mu_o \cdot \left(\frac{i_{LMNEW} \cdot \lambda_{LM}}{l_q}\right)\right) = \left(2.706685 \cdot 10^8\right) N$$
Electromagnetic Gravity v=c

On both ends of the quantum or electromagnetic gravitational equations is the Vector Magnetic Potential, $\left(A_{VEC}\right)$, and thus is a multiplier as shown below.

$$M_{AMPS} := \left(\begin{bmatrix} GQ_{CONN} \\ 0 \cdot \dfrac{A^2}{N} \\ 0 \cdot \dfrac{A^2}{N} \end{bmatrix} \times \begin{bmatrix} 0 \cdot N \\ GEM_{CONN} \\ 0 \cdot N \end{bmatrix}\right) = \begin{bmatrix} 0 \\ 0 \\ 7.305152 \cdot 10^{16} \end{bmatrix} A^2$$

$$A_{VEC} := \left(\frac{\mu_o \cdot i_{LMNEW} \cdot \lambda_{LM}}{4 \cdot \pi \cdot \Delta r}\right) = \left(7.815282 \cdot 10^{-5}\right) \frac{V \cdot s}{m}$$
The 'wings' of the Caduceus coil are added

$$LIFT := M_{AMPS} \cdot \left(A_{VEC}^2\right) = \begin{bmatrix} 0 \\ 0 \\ 4.461886 \cdot 10^8 \end{bmatrix} N^2$$
Less current would be necessary for safety sake.

Referring to Figure 4, page 17, the Caduceus shape fits both the quantum and the electromagnetic forms of the above gravitational equations. Refer to page 29 where both equations are balanced by 'wings' of parameters on both sides of the 'connector' bodies. The 'wings' are the two rising coils encircling the main pole-'body' of the Caduceus structure. The angular $\omega$ is constant but r increases as the coils rise up so the velocity of the mercury plasma increases with the radius r. This increasing momentum is transferred to the rising mercury in the 'pole' as shown by the above equation in the vertical Z direction.

The increasing momentum of the plasma in the center pole hits the top imparting a lifting force to the entire structure and then rebounds down the pole following the plasma in the circular windings and losing momentum as the radius in the 'wing' windings decreases. The plasma hits the bottom with a small fraction of its momentum it had when it hit the top of the pole. This amounts to a large vertical differential of force in the vertical upwards direction. The action is the same as what occurs in the Faraday Disk Generator where the motion of the plasma does not create a counter-EMF due to a 90 degree shift in the fields of action. This process is repeated and thus the craft is lifted upwards.

In the operation of the Caduceus coil, the heated Mercury plasma is ionized and electrically charged. The plasma 'wings' are rotating around the center pole via the rising and expanding coil which contains electrically charged plasma as well. The plasma is entangled since both the spiraling plasma and the plasma in the pole were generated at the same point before separating and each affecting the other instantly as they travel up and down the pole and spiraling 'wings'. The operation is a contained electrogravitational system that generates a force in the vertical direction based on a rotating electrogravitational field. A tornado or dust devil demonstrates much the same dynamics where the differential in pressure due to a corresponding differential in ground to air temperature vertically causes outer 'wings' to develop which then rotate, where the charged dust particles are the 'plasma'. Thus, electrogravitation is demonstrated in the actions of a common dust devil as well as the much more potent tornado. The tornado's upward force-field lifts not only the air but houses and cars have been recorded circling the main center of the tornado as they rise into the air. Charge times the dot product of the A-Vector magnetic potential is momentum and the A-Vector is pointed upwards. The air is highly charged and lightening is common around the action of tornados and hurricanes.

By utilizing the above mechanics of creating a lifting force, it is suggested that a means of generating clean power is easily derived. The rotating electrogravitational mechanism described above could be mounted on the end of an arm with a like mechanism an the other end of the arm and both would rotated about a central axis and that axis would drive a standard electric generator. Thus electrogravitation would become the 'prime 'mover' of our technology instead of water, fossil fuels or nuclear fission.

**Tesla's Wireless Colorado Power Transmission:**

We will use the Maxwell approach that the speed of the electromagnetic wave from Tesla's high voltage spiral antenna is traveling at the speed of light. Tesla multiplies the carrier modulation frequency to four times the $fKey_{David}$ or $fKey_{David} \cdot 4 = \left(1.777235 \cdot 10^3\right) \, Hz$.

We see that a full wave would be equal to $\left(1.048158 \cdot 10^2\right) \, mi$. A quarter wave would allow for maximum high voltage at Tesla's end and a current maximum at the quarter wave distance. This allows for a current activated primary for proper impedance matching and the secondary would be adjusted for a voltage to light 200 lamps rated for 120 volts and 50 watts each for a total of 10,000 watts.

$$VEL_{Acoustic} = \left(1.230661 \cdot 10^3\right) \frac{ft}{s} \qquad\qquad fKey_{David} = \left(4.443088 \cdot 10^2\right) \, Hz$$

$$c_{vel} := 2.99792458 \cdot 10^{08} \cdot \frac{m}{s} \qquad\qquad fKey_{David} \cdot 4 = \left(1.777235 \cdot 10^3\right) \, Hz$$

Thus, the quarter wave distance would be :

$$TX_{POWERDX} := \frac{c_{vel}}{4 \cdot fKey_{David}} \cdot \left(\frac{1}{4}\right) = \left(2.620396 \cdot 10\right) \, mi$$

Four times the $fKey_{David}$ divided into $VEL_{Acoustic}$ will yield the wavelength of the hyperfine radiation of hydrogen and Tesla could have converted this energy directly into thermoelectric heat energy by using an acoustic resonator to heat air/water to generate steam and then drive an ordinary electric generator.

$$\frac{VEL_{Acoustic}}{fKey_{David} \cdot 4} = \left(2.110613 \cdot 10^{-1}\right) \, m \qquad \text{where,} \qquad \frac{c_{vel}}{f_{Hydrogen}} = \left(2.110611 \cdot 10^{-1}\right) \, m$$

QUOTE: "It appears evident that Tesla ...tested his power transmission system at a distance of twenty-six miles from his laboratory and was able to light two hundred incandescent lamps, of the Edison type, with electric energy extracted from the earth while his oscillator was operating. These lamps consumed about fifty watts each and if two hundred lamps were used in the test bank, the energy consumed would be 10,000 watts, or approximately thirteen horsepower." UNQUOTE. (O'Neil 1944, 197). From: TESLA, Master Of Lightning, by Margaret Cheny & Robert Uth, 1999, Barnes&Noble Books.

**The Philadelphia Experiment:**

This section on Tesla presents an experiment by the U.S. Navy that was originally supposed to make a ship invisible but actually succeeded in transporting it instantly close to 194 miles and back again. This was accomplished by using Tesla's high voltage coils in a phased array around the ship instead of only one coil as for the Colorado experiment. The concept of a universal refresh pulse played a part in how some sailors were embedded into the ships structure as the pulses became unsynchronized between the sailors and the ship. The universal cosmic synchronization pulse can be visualized as an extremely fast risetime and narrow width pulse that is on the order of the Plank scale and it is non-locally everywhere all at once and appears at the very center of all particles. The pulse repetition frequency is at a 60.02385222 Hz rate. This keeps all matter in the Cosmos synchronized to the original beginning of creation. This is somewhat like a computer clock and also like the radar timing pulse that allows for a relatively modest amount of continuous microwave power to be pushed to a huge amount of power in a very small time of existence. This is at the very heart of gravitation which is the result of quantum entanglement.

The power of stationary (standing) waves:
Supposedly, the Navy transported a ship named the Eldridge ~194 miles from Philadelphia Naval Shipyard to Norfolk Naval Shipyard in 1943 using Tesla's coils. 194 miles is 7.4 times his 26.2 mile experiment in Colorado. The ratio of the distance large to small is:

$$\text{Ratio} := \frac{194}{26.2} = 7.40458$$

The frequency of operation of the Philadelphia experiment coils may be derived as:

$$f_{\text{COSMIC}} \cdot 4 = \left(2.400954 \cdot 10^2\right) \; Hz \qquad \text{or,} \qquad \frac{fKey_{\text{David}} \cdot 4}{\text{Ratio}} = \left(2.400183 \cdot 10^2\right) \; Hz$$

This is x4 the fundamental frequency of the refresh rate of the Cosmos as explained above.

That will put the current node 194 miles from the Eldridge. Now let there be established a target coil, (much as for the Colorado experiment), be set up in the Norfolk waters and the coils become 'entangled' non-locally 180 degrees out of phase with each other. The target coil is now invisible and the Eldridge is not. The Eldridge coils are now switched 180 degrees and the target coil is also forced to switch 180 degrees. Both the Eldridge and the target coil switch places. However, they switch back again as the target coil or the Eldridge coils are suddenly switched off or fail. Some sailors are embedded into the ships structure. It may be that the local space synchronization slipped phase and the ship and sailors were no longer in synch with each other. Another sailor later at home was observed to get up from the dinner table and fade out of existence right in front of their family. The cosmic refresh rate pulse is not only real but fundamentally important to the existence of our universe and every particle within it.

"The Philadelphia Experiment" Location With Approximate Distance.

**Figure 7**
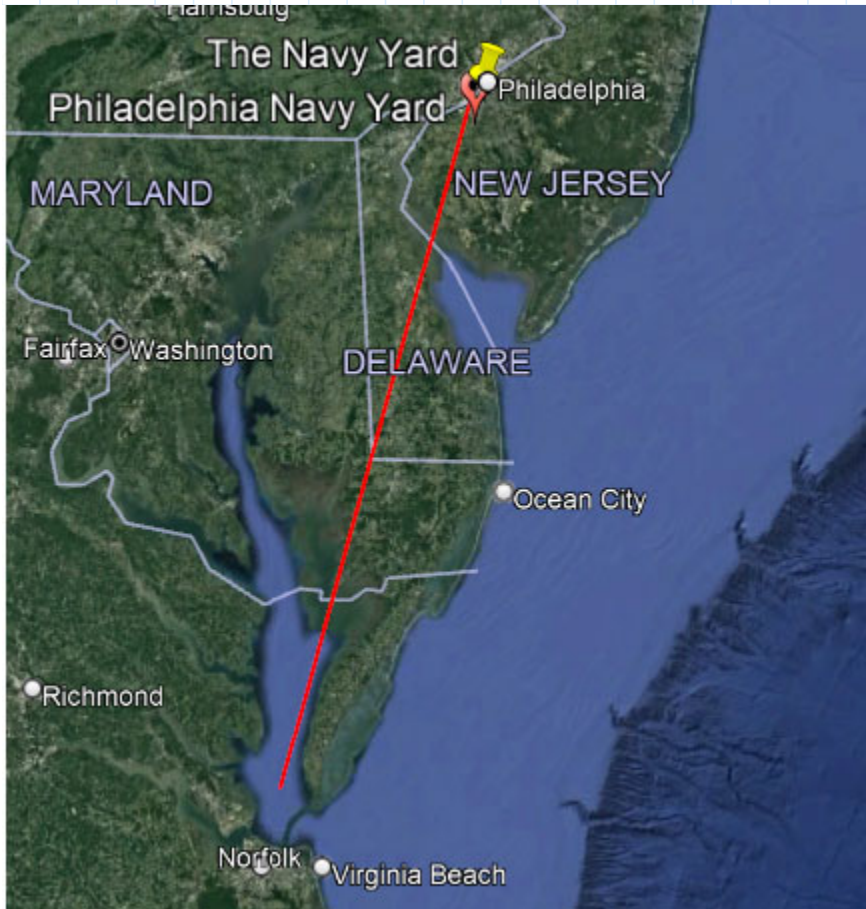


The distance on the red line is approximately 194 miles. This occurred in 1943 where the U.S. Navy ship Eldridge was transposed from the Philadelphia Naval Shipyard to the vicinity of the U.S. Naval Shipyard at Norfolk Virginia. The ship supposedly arrived at the Norfolk Naval Shipyard in 1984 and then disappeared back to the Philadelphia location and 1943. Tesla left before the test after warning them not to do it.

Einstein was supposedly connected to the Philadelphia Experiment but in what capacity I do not know. Time travel may have been part of the reason since his relativistic equations predict that time travel may be possible if travel faster than the speed of light may have been a factor.

It is reasonable that if what we call normal space is refreshed at the $f_{COSMIC}$ rate, changing that rate in local space may time-shift whatever is in that local space. The field would be strong enough to blank the normal cosmic refresh rate. If the refresh rate were less than normal rate, the object inside of the new refresh rate would go backwards in time and if the refresh rate were faster than the normal refresh rate, the object inside of the refresh field energy would go forward in time with respect to the normal refresh field rate. What we call 'Angels' may be able to manipulate events by intervening in the past or future to prevent or even undo things that would be catastrophic to their plan or program.

**The Great Pyramid And New Jerusalem**

The Great Pyramid side length can be found by dividing the working air velocity by the Golden Ratio expressed as a frequency.

$$VEL_{Acoustic} = (1.230661 \cdot 10^3) \frac{ft}{s}$$ 　　　　(At 171 degrees Fahrenheit)

Then: 　　$$\frac{VEL_{Acoustic}}{\left(\frac{4}{\pi}\right)^2 \cdot Hz} = (7.591335 \cdot 10^2)\, ft$$

Armed with that concept, we can calculate the side length in miles of the New Jerusalem that will be established on the Earth as described in the Holy Bible. First, the velocity in the first energy level (n1) of the hydrogen atom can be stated as:

$$v_{n1} := c_{vel} \cdot \alpha = (2.187691 \cdot 10^6) \frac{m}{s}$$

It is also a standing or stationary wave as described by Tesla.

Then: 　　　　$$\lambda_{NJSide} := \frac{v_{n1}}{1 \cdot Hz} = (1.359368 \cdot 10^3)\, mi$$

The data online yields ~1360 miles. That is why 1 Hz was chosen in the above equation.

GO:　https://www.epm.org/resources/2010/Feb/22/what-are-new-jerusalems-dimensions/

As before, please copy and paste the above into your browser for the reference source.

NOTE:　　$$\lambda_{NJSide} \cdot (\alpha)^2 = (3.822098 \cdot 10^2)\, ft$$ 　　Where,　　$$\frac{GP_{Side}}{2} = (3.795668 \cdot 10^2)\, ft$$

which is very close to 1/2 the side length of the Great Pyramid of Egypt.

Then it is suggested herein that it will form a structure made of light (which has no rest mass) and it may hold beings of light. It will be brilliant in its radiance as well as being weightless. Being a standing wave, it would be eternal and not subject to entropy. This would also apply to the beings inside of the structure. It would form an eternal oneness with all of the beings inside and throughout the universe. Pure energy is the nature of GOD and the New Jerusalem and its beings would be like his own form. No death or decay. All that GOD knows would be an open book to the beings of light in New Jerusalem. No one can come to Jesus Christ except that the Father calls them and no one can join GOD in New Jerusalem except by **accepting** Jesus Christ as His Son.

The atomic fine structure constant alpha, $(\alpha)$, is equal to 7.297353080 x 10^-03 in dimensionless units and it is also called the 'photon coupling constant'. Therefore, the entire New Jerusalem Construct is a standing or stationary wave built on the velocity of the n1 level of the most abundant atom in the universe. It is the ratio of the n1 velocity to the velocity of light. It is therefore a quantum non-local constant that connects the New Jerusalem Structure instantly and ubiquitously to the entire universe and all quantum matter in it. Then GODS HOUSE will be connected to GOD in a complete oneness where time will stand still and decay and distance will no longer apply.

**The Actual Mechanics Of The Propagation Of Photons And Electromagnetic Waves**
Light is said by contemporary science to have no rest mass since it 'travels' at the speed of light. However, when interacting with ponderous charge, pressure is exerted on the charge/mass. It may be that light actually has a quantum state of action that is in a 'box' where a complete cycle of energy must be completed before the energy can jump instantly to the next 'box'. Frequency times wavelength must always equal the speed of light which is a constant in free space. Each half-wave is the opposite sign (+ or -) of energy from the last half wave and the resulting sum is zero energy. Zero energy equals zero mass. This also explains 'pair' production where a photon (gamma-ray) of double the mass-energy of an electron or positron can split into a positron and electron where the positron has negative time and energy while the electron has positive time and energy.

The energy content only becomes apparent when interacting with charged mass or gravitational entropy. Gravitational entropy will lower the energy in proportion to the distance between the source and observer, (and thus the frequency), and also enlarge the wavelength to keep the speed of the sum process at the speed of light. When interacting on ponderous charge, such as a solid surface, the positive energy delivers half of the momentum and the negative energy recoils in the opposite direction which delivers the other half of the momentum. Therefore the 'speed' of light remains the same and the frequency and wavelength becomes the variables. Then the universe may NOT be expanding as Hubble proposed based on his observations. An observation is only as good as its interpretation. Then there may also not have been the so-called Big-Bang. (Thus, everything, everywhere and all at once. No spreading apart.) Recent observations by the Webb telescope seem to support that conclusion.

**Non-Local Verses Local Action And A Unified Force Field**
The complete **circuit** of action-reaction involves the instantaneous **action** between the **center** of quantum particles and the speed of light **reaction** between the **outer quantum boundaries** of those same particles. The centers are involved directly in the instantaneous action of entanglement (and represent gravitational action) while the outer ponderous-charge De Broglie and Compton wavelength are the speed of light electromagnetic interaction force. The A-Vector magnetic potential is active in both the non-local and local cases and unites the two into the total unified force construct.

The energy in the $E_{EMGK}$ electromagnetic gravitational force connector on p. 31 previous is of special interest since it is capable of generating tremendous temperatures:

$$T_{F1} := \frac{9}{5} \cdot (T_{K1} - 273.15) + 32 = 2.14791 \cdot 10^4 \qquad \text{deg. Fahrenheit.}$$

Splitting the central force connection from the 'wings on both ends may release the energy much like the splitting of the atom demonstrated. Using planar electromagnetic waves from two points in space that are vertical in one sense and horizontal in the other (or 90 degrees respectively to each other dimensionally) could break away the end wings and cause a release of the center force connector energy. **From p. 32**:

$$\frac{E_{EMG}}{h_D \cdot (2 \cdot \pi^2)} = (2.569224 \cdot 10^8) \; \boldsymbol{Hz} \qquad \text{Where:} \qquad 2 \cdot \pi^2 \cdot r^3 \quad \text{is the volume of a torus.}$$

Where: $\qquad \dfrac{c_{vel} \cdot \alpha}{\lambda_{LM}} = (2.569222 \cdot 10^8) \; \boldsymbol{Hz}$ 

Electrogravitational Connection to Bohr n1 energy level and Electrogravitational wavelength.

It is proposed that the frequency of $(2.569222 \cdot 10^8) \; \boldsymbol{Hz}$ would accomplish this task. **The target would provide the energy for its own nearly complete destruction.** Waveguide math is used to convert the phase velocity of $f_{EEMGK}$ to group velocity $v_g$ and then apply the result to synchronizing the waves to each other in the Great Pyramid as shown below.

$$f_{EEMGK} := \frac{E_{EMGK}}{h} = (3.809436 \cdot 10^{14}) \; \boldsymbol{Hz} \qquad (E_{EMGK}) \; \text{From p. 31 previous}$$

$$v_{fEEMGK} := f_{EEMGK} \cdot \lambda_{H1} = (8.040239 \cdot 10^{13}) \; \frac{\boldsymbol{m}}{\boldsymbol{s}} \qquad v_{fEEMGK} \; \text{is phase velocity.}$$

$$v_g := \frac{c_{vel}^{\,2}}{v_{fEEMGK}} = (1.117822 \cdot 10^3) \; \frac{\boldsymbol{m}}{\boldsymbol{s}} \qquad v_g \; \text{is group velocity.}$$

$$\frac{v_g}{VEL_{Acoustic}} = 2.980019 \qquad (\text{Group velocity } v_g \sim 3 \text{ times } VEL_{Acoustic})$$

$$\frac{v_g}{fKey_{David} \cdot \left(\frac{4}{\pi}\right)^4} = 3.140741 \; \boldsymbol{ft} \qquad \left(\frac{4}{\pi}\right)^4 = 2.628091 \qquad \pi = 3.141593$$

Finally, the above math is connected to the cosmic refresh rate of 60.02385 as shown below:

$$\frac{\text{fKey}_{\text{David}} \cdot \left(\frac{4}{\pi}\right)^2}{12} = (6.002385 \cdot 10)\ Hz \qquad \text{From p. 31:} \quad \text{Q.E.D.}$$

**The force and energy in the electromagnetic local space connector is repeated below:**

**(See p. 31)** $\qquad \left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) \cdot \mu_o \cdot \left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) = (2.964371 \cdot 10^{-17})\ N$

Multiplying this by the electrogravitational wavelength $\lambda_{LM}$ we arrive at an energy constant directly related to the force of the electromagnetic version of electrogravitation.

$$E_{EMGK} := \lambda_{LM} \cdot \left(\left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right) \cdot \mu_o \cdot \left(\frac{i_{LM} \cdot \lambda_{LM}}{l_q}\right)\right) = (2.524161 \cdot 10^{-19})\ J$$

Boltzmann Constant: $\quad k_B := 1.380658 \cdot 10^{-23} \cdot \frac{J}{K} \qquad$ And: $\qquad E = \frac{3}{2} \cdot k_B \cdot T_K$

Then, the energy is converted to degrees Kelvin. $\qquad\qquad$ (Boltzmann Equation)

$$T_{K1} := \frac{2 \cdot (2.524161 \cdot 10^{-19})}{3 \cdot (1.380658 \cdot 10^{-23})} = 1.21882 \cdot 10^4 \qquad \text{deg. Kelvin}$$

Finally, the degrees Kelvin is converted to degrees Fahrenheit:

$$T_{F1} := \frac{9}{5} \cdot (T_{K1} - 273.15) + 32 = 2.14791 \cdot 10^4 \qquad \text{= deg. Fahrenheit}$$

The surface of Earth's sun is about 10,000 degrees Fahrenheit. The $T_{F1}$ above is a bit over twice the temperature of our sun's surface. Thankfully, this energy is locked into the constant geometry of $E_{EMGK}$ as a standing wave *under normal conditions*. However, there may have been an instance where the frequency of operation of the Great Pyramid rose to a point where the above constant became an emission of electromagnetic energy which would be catastrophic to the surroundings and even melt some granite structures as well as turn a very large area into a permanent desert. (Granite melts at about 2200 degrees Fahrenheit.)

The above process of using two electromagnetic 'beams' 90 degrees out of phase at 256 MHz and causing matter to self destruct while releasing the component binding energies reminds me of the movie "Back To The Future". The power source of the DeLorean Time Machine was called "Mr. *Fusion* Home Energy Reactor", (italics mine), that deconstructed garbage molecules and used the released binding energy as the prime mover. **However, the process I have described on pages 31 and 43 are theoretically possible.** Thus, the output of clean energy would also amount to getting rid of all kinds of waste, even dangerous chemicals and radioactive waste.

The down side would be using the energy as a weapon to cause targets to self-immolate and it would not matter whether it was organic or otherwise. Sci-fi movies have presented this as a weapon used by 'invading aliens' against human beings and even tanks and armored vehicles melted into nothingness while releasing energy in the process.

The rate of energy conversion and release could be controlled by modulating the 256 MHz deconstruction beams with a variable pulse width to allow for a zero to 100 percent rate of energy release.

In concluding this paper a final addition is a link to some video's that strongly suggest the reasons why science has not progressed in many areas touched on herein.

**The Tesla Files on Amazon.com**
https://www.amazon.com/Fowl-Play/dp/B07CVHHD1B/ref=sr_1_1?
crid=2ZS4BK5M1VCLB&keywords=the+tesla+files+season
+2&qid=1692137643&s=instant-video&sprefix=The+Tesla+Files%
2Cinstant-video%2C169&sr=1-1

Only five videos were made and the series was abruptly ended. I will not comment on my understanding of where the videos lead me.


THE END

Jerry E. Bayles