Fundamental And Key Great Pyramid Parameters

-by-

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Introduction:

The Great Pyramid on the Giza plateau in Egypt is an enigma and also incredible example of engineering and mathematical perfection. It was not used as a crypt in spite of the politically motivated contemporary wisdom. It was much more likely a power generator that tapped into the free energy available in the cosmos.

This paper will present fundamental parameters that exactly define frequencies and wavelengths which connect the quantum energy realm to the macroscopic observable and prove that the purpose of the Great Pyramid was to generate power out of the quantum energy space that is ubiquitous throughout the cosmos. Further, the well known power line frequency of 60 Hz is shown to be fundamental to the operation of the Great Pyramid. Then stories of people who have built devices that "robbed" the power companies by stealing energy from the power lines through the air will be shown to be untrue. It is the power companies that are instead robbing the cosmos of that free energy available to everyone.

At the end of this paper, the actual acoustic frequencies associated with the dimensions of the interior mechanisms are presented via a web link.

Finally, a proposed test is presented for possibly verifying the concept of tapping into that free energy as described above.

Grand Gallery Parameters

$\lambda_{cubit} := 20.51097443 \cdot in$ or, $\lambda_{cubit} = 1.709247869167 \cdot ft$ (Long cubit)

$vel_{air} \equiv 1.230658466 \cdot 10^{03} \cdot \frac{ft}{s}$ $n := 0, 1 .. 7$ (Eight total gradations)

Top $f_{cubit1} := \frac{vel_{air}}{\lambda_{cubit}}$ $f_{cubit1} = 720.00000011701 \cdot Hz$ 1)

Bottom $f_{cubit3} := \frac{vel_{air}}{3 \cdot \lambda_{cubit}}$ $f_{cubit3} = 240.000000039003 \cdot Hz$ 2)

Note: $\Delta\lambda_{GG} := 3 \cdot \lambda_{cubit} - \lambda_{cubit}$ $\Delta\lambda_{GG} = 3.418495738333 \cdot ft$ 3)

$\Delta\lambda GG_{cubit.}(n) := \lambda_{cubit} + \left(2 \cdot \lambda_{cubit} \cdot \frac{n}{7}\right)$ $\Delta\lambda GG_{cubit.}(n) =$ 4)

	0
0	1.709247869167
1	2.197604403214
2	2.685960937262
3	3.17431747131
4	3.662674005357
5	4.151030539405
6	4.639387073452
7	5.1277436075

$\cdot ft$ (Top) (Bottom)

$\Delta fGG_{cubit.}(n) := \frac{vel_{air}}{\Delta\lambda GG_{cubit.}(n)}$ $\Delta fGG_{cubit.}(n) =$ 5)

	0
0	720.00000011701
1	560.000000091008
2	458.181818256279
3	387.692307755313
4	336.000000054605
5	296.470588283475
6	265.263157937846
7	240.000000039003

$\cdot Hz$

Queen's Chamber Parameters

2

$n1 := 0, 1 .. 4$ (Five total gradations)

$$\Delta\lambda QC_{cubit.}(n1) := 2\cdot\lambda_{cubit} + \left(\lambda_{cubit}\cdot\frac{n1}{4}\right)$$

$\Delta\lambda QC_{cubit.}(n1) =$

	0
0	3.418495738333
1	3.845807705625
2	4.273119672917
3	4.700431640208
4	5.1277436075

$\cdot ft$ (Top) 6)

(Bottom)

$$\Delta fQC_{cubit.}(n1) := \frac{vel_{air}}{\Delta\lambda QC_{cubit.}(n1)}$$

$\Delta fQC_{cubit.}(n1) =$

	0
0	360.000000058505
1	320.000000052005
2	288.000000046804
3	261.818181860731
4	240.000000039003

$\cdot Hz$ 7)

Note that eight gradations divided by five gradations is 1.6 exactly which is close to the numerical value of the Golden Ratio and is also in the Fibonacci series mathematically.

The range of frequency increase for the Grand Gallery is twice that for the Queens Chamber and is thus equal to one octave where both are referenced to 60 Hz.

(A) $\frac{\Delta fGG_{cubit.}(n)}{60\cdot Hz} =$

12.00000000195
9.33333333485
7.636363637605
6.461538462589
5.60000000091
4.941176471391
4.421052632297
4.00000000065

(B) $\frac{\Delta fQC_{cubit.}(n1)}{60\cdot Hz} =$ 8)

6.000000000975
5.3333333342
4.80000000078
4.363636364346
4.00000000065

Also, 13 total gradations divided by the 8 gradations of the Grand Gallery equals 1.625 which is closer still to the Golden ratio.

The air velocity of 1230.658466 ft/sec is the exact required velocity that fits not only the parameters of the frequency requirements of both Grand Gallery and the Queens chamber acoustic niche but the entire pyramid as well. This is somewhat greater than the present air velocity of about 1130 feet per second at sea level and at 20 degrees centigrade but the vicinity of the pyramid may have had greater temperatures than normal. In fact, the higher than normal temperature may have been figured into the normal range of operation of the power being generated by the Great Pyramid. This works out to be about 172 degrees Fahrenheit for the nominal air velocity.

The Golden Ratio in Hz divided into the air velocity yields the *effective* length of one side of the pyramid.

Set: $\Phi_{GoldHZ} := \left(\frac{4}{\pi}\right)^2 \cdot Hz$ and $\alpha := 7.297353080 \cdot 10^{-03}$ (Fine structure constant.) 9)

Then: $\lambda GP_{side} := \frac{vel_{air}}{\Phi_{GoldHZ}}$ or, $\lambda GP_{side} = 759.132013266967 \cdot ft$ 10)

The distance between resonator stacks (notches) along the Grand Gallery becomes:

$\Delta\lambda_{stacks} := \alpha \cdot \lambda GP_{side}$ $\Delta\lambda_{stacks} = 5.53965433514 \cdot ft$ 11)

The hyperfine frequency of Hydrogen is fundamental to the Great Pyramid construction since it is not only the electromagnetic energy source but acoustically interfaced to the dimensions of the Grand Gallery, the Queen's chamber niche, and both the Queen's and King's chamber dimensions as well as the air shaft waveguides and the King's chamber coffer as well.

$f_{H1} := 1.420405751786 \cdot 10^{09} \cdot Hz$ $c_{vel} := 2.997924580 \cdot 10^{8} \cdot \frac{m}{s}$

$\lambda_{H1} := c_{vel} \cdot f_{H1}^{-1}$ $\lambda_{H1} = 8.309493722005 \cdot in$ (Roughly 21 cm.) 12)

$\Delta\lambda_{stacks} \cdot \lambda_{H1}^{-1} = 7.999988235823$ Let us call it exactly equal to 8.

Then the outside base dimensions of the Great Pyramid are based on the Golden Ratio in Hz, the atomic fine structure constant α, the wavelength of the Hyperfine wavelength of the Hydrogen atom.

The connection to 60 Hz can now be established as follows:

$$\lambda_{60HZ} := \frac{\Delta\lambda_{stacks} \cdot 6}{\left(\frac{4}{\pi}\right)^2} \qquad \lambda_{60HZ} = 20.50282380248 \cdot ft \qquad 13)$$

(Equal to 12 long cubits!)

Finally: $SixtyHz_{Prime} := \frac{vel_{air}}{\lambda_{60HZ}}$ $SixtyHz_{Prime} = 60.023852219376 \cdot Hz$ **(Hummm... not quite 60 Hz exactly!)** 14)

Then the Great Pyramid is also based on 60 Hz as a fundamental frequency. Also, the number 6 is dominate as well as 8. There are 360 degrees in a circle, 60 minutes to an hour, and 60 seconds to a minute. The word sexagesimal comes to mind as well as the notorious number 666. **Frequency, time and phase are intimately related in the total design.**

A fundamental frequency used in the Grand Gallery can also be calculated as follows:

$f_{GG} := \Phi_{GoldHZ} \cdot \frac{2}{\alpha}$ or, $f_{GG} = 444.308757026022 \cdot Hz$ 15)

where, $\frac{vel_{air}}{f_{GG} \cdot 4} = 8.30948150271 \cdot in$ and where, $\lambda_{H1} = 8.309493722005 \cdot in$ 16)

Proposed Test:

If we suspend two metal pipes one above the other by plastic sawhorses and make them 1 plus 1/4 wavelengths long compared to λ at 60 Hz above, we may be able to tap into that free energy of the cosmos. Shorting the two pipes together at one end, the other end could be connected to a high voltage step down configuration through a neon sign transformer. Heated air could be used to heat the pipes to 171 degrees F.

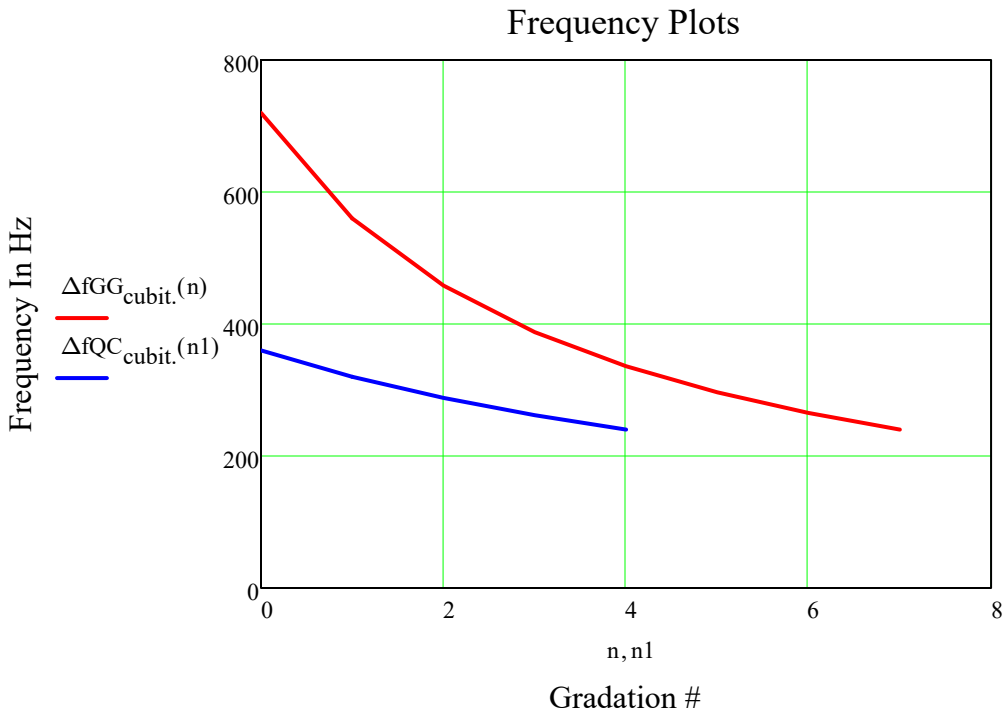
$$\lambda_{pipes} := \frac{vel_{air}}{SixtyHz_{Prime}} \qquad \text{or,} \qquad \lambda_{pipes} = 20.50282380248 \cdot ft \qquad 17)$$

The total length adding 1/4 wavelength is: $\lambda_{pipestest} := 1.25 \cdot \lambda_{pipes}$

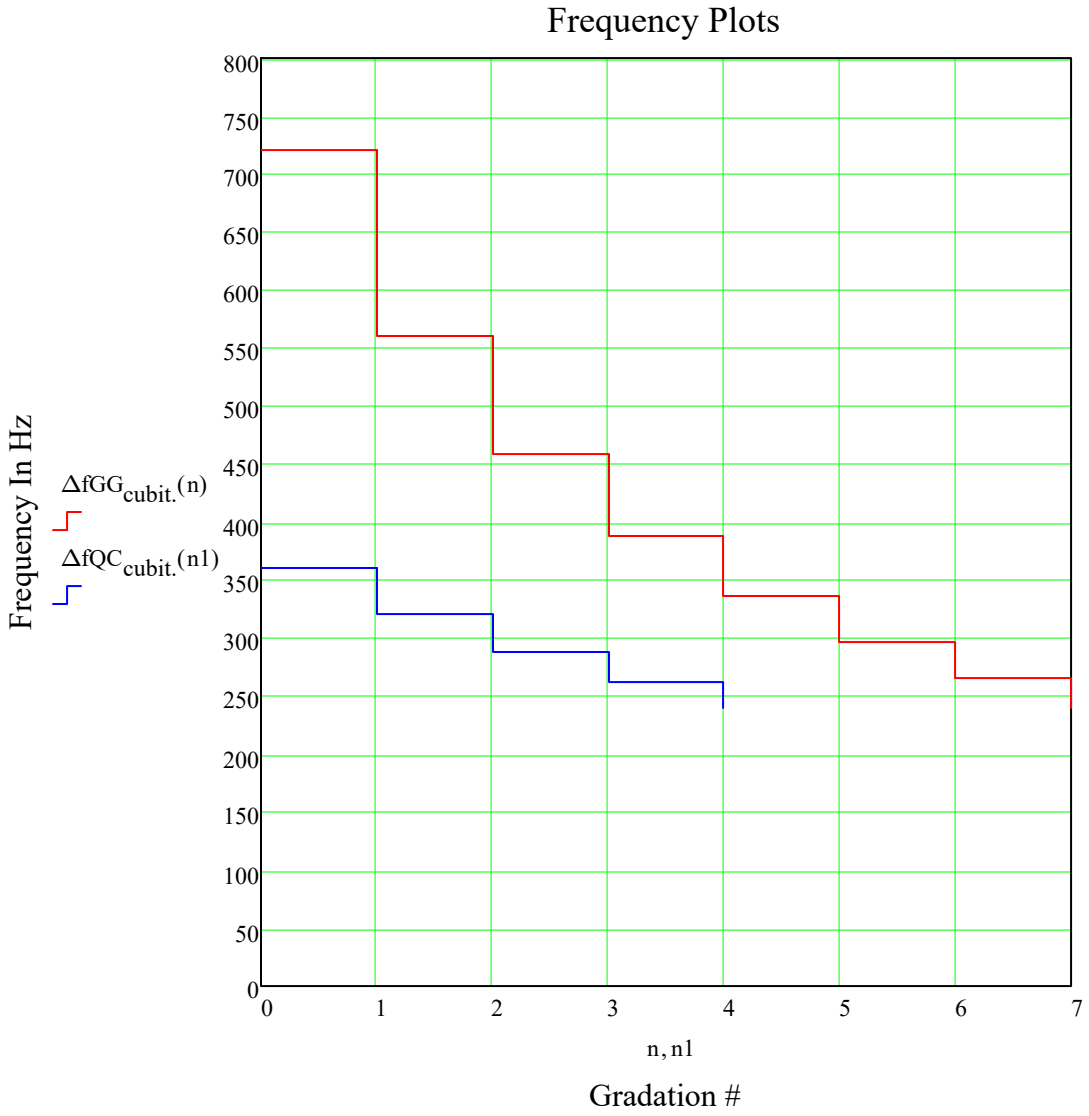
$$\lambda_{pipestest} = 25.628529753101 \cdot ft \qquad 18)$$

I have on hand 3 ten foot long (steel) thin wall pipes salvaged from an old antenna mast. Each pipe slides into the next section and range from about 2.25 inches to 1.5 inches in diameter. Two such sets of pipes, one above the other and parallel to the ground are the proposed starting point for testing. They will be supported by insulating heavy plastic sawhorses and rubber gloves will be used as a safety precaution. With one end of the pipes shorted together, the other ends will be connected to a 60 Hz, 12 KV center tapped neon sign transformer. The low voltage side will be monitored by an ac voltmeter. Various compass directions may also be tested.

Below is a frequency plot for the Grand Gallery as well as the Queen's Chamber niche.



That's why the power company uses 60 Hz folks. The cosmos frequency being slightly above the power company of exactly 60 Hz, the power company gets an energy boost from the wheels and axles of the design of the cosmos.



The above plot shows the frequency ranges of the Grand Gallery and the Queen's Chamber as step functions which better demonstrates the individual frequencies.

There is a fundamental relationship of the frequencies in the Grand Gallery as well as the Queen's Chamber based on the inverse of the atomic fine structure constant expressed as either frequency or degrees of angle.

Atomic fine structure constant is: $\alpha := 7.297353080 \cdot 10^{-03}$ in dimensionless units.

Now set the atomic fine structure constant related frequency as:

$$f_\alpha := \frac{1}{\alpha} \cdot Hz \quad \text{or,} \quad f_\alpha = 137.03598949333 \cdot Hz \tag{19}$$

Next we will derive the fundamental acoustic frequency related to alpha frequency and the Hydrogen Hyperfine Frequency as well.

$$f_{GG\alpha} := 2 \cdot \left[f_\alpha \cdot \left(\frac{4}{\pi} \right)^2 \right] \quad \text{where,} \quad f_{GG\alpha} = 444.308757026022 \cdot Hz \tag{20}$$

$$f_{GG\alpha} \cdot \left(\frac{4}{\pi} \right)^2 = 720.286226632518 \cdot Hz \quad \text{and} \quad \frac{1}{12} \cdot \left[f_{GG\alpha} \cdot \left(\frac{4}{\pi} \right)^2 \right] = 60.023852219376 \cdot Hz \tag{21}$$

which is another way of arriving at the $SixtyHz_{Prime}$ in eq. 14 value exactly.

Where: $SixtyHz_{Prime} = 60.023852219376 \cdot Hz$ (Eq. 14 above)

If we consider the the electrogravitational frequency f_{LM} as a magnitude of arbitrary units ratio and take the arctangent, we arrive at:

$$f_{LMratio} := 1.003224805 \cdot 10^{01} \quad \operatorname{atan}\left(f_{LMratio}\right) = 84.307642471134 \cdot deg \tag{22}$$

Add 360 degrees, we arrive at a converted *frequency* amount of:

(Obelisks have a height to base width very close to 10)

$$\left(\operatorname{atan}\left(f_{LMratio}\right) + 360 \cdot deg\right) \cdot \left(1 \cdot \frac{Hz}{deg}\right) = 444.307642471134 \cdot Hz \quad \text{and} \quad f_{GG\alpha} = 444.308757026022 \cdot Hz$$

Consider then a spiral having a main rotation in degrees (like a DNA spiral) which is equal to the number of minor frequency cycles within that main rotation. Then the main rotation in degrees is equal to minor frequency cycles. This design would be very much applicable to the DNA molecule.

Four times the wavelength of the hydrogen atom fine structure is fundamental to the operation of the resonant acoustics and corresponding electromagnetic field related to the hyperfine structure of the hydrogen atom.

$f_{H1} := 1.420405751786 \cdot 10^{09} \cdot Hz$ $c_{vel} := 2.99792458 \cdot 10^{08} \cdot m \cdot sec^{-1}$

$\lambda_{H1} := c_{vel} \cdot f_{H1}^{-1}$ Then: $\lambda_{H1} = 8.309493722005 \cdot in$

Then the fundamental acoustic wavelength in the design of the Grand Gallery as well as the King's Chamber is:

$\lambda_{fund} := 4 \cdot \lambda_{H1}$ or, $\lambda_{fund} = 2.769831240668 \cdot ft$

The fundamental acoustical frequency becomes:

$$f_{fund} := \frac{vel_{air}}{\lambda_{fund}} \quad \text{or,} \quad \boxed{f_{fund} = 444.308103660162 \cdot Hz} \tag{23}$$

If we consider frequency equal to phase and then take the tangent of the sum of the frequencies in the Grand Gallery, we find that the angle is equal to the longitude spacing of points around the Earth that may be locations of other pyramids. Due West by 72 degrees could be the location of Atlantis and due East, the Great White Pyramid of China.

$$\sum_n \left(\frac{\Delta fGG_{cubit.}(n)}{Hz} \right) + \frac{f_{fund}}{Hz} = 3.707915976195 \times 10^3 \tag{24}$$

$$\tan\left(\sum_n \frac{\Delta fGG_{cubit.}(n) \cdot deg}{Hz} + \frac{f_{fund}}{Hz} \cdot deg \right) = -3.093110480326 \tag{25}$$

$$\operatorname{atan}(-3.093110480326) \cdot \frac{360 \cdot deg}{2 \cdot \pi} = -72.084023805296 \cdot deg \tag{26}$$

This is very close to 1/5 of a full circle of 360 degrees and as such is one of the angles of a pentagram.

Note that 72 degrees is 1/5 of 360 degrees and plus or minus 72 degrees from the Great Pyramid at Giza in longitude can be either +42 degrees from the prime meridian which may be Atlantis in the middle of the Atlantic Ocean and minus 72 degrees from the Great Pyramid could be near the Great White Pyramid in Xi'in China with a longitude from the prime meridian of -102 degrees. Both cases would be close to the plus 30 degrees latitude of the Great Pyramid. Based on that reasoning, there could be 3 other pyramids spaced at 72 degree intervals around the globe. There could also be 5 more at minus 30 degrees in latitude.

Next, we compute the rotational Earth velocity in feet per second of the Great Pyramid based on its latitude and the mean circumference of the Earth and the time for 1 rotation.

$Cir_E := 2.4863325 \cdot 10^{04} \cdot mi$ $Lat_E := 29.976480 \cdot deg$ $T_{then} := \frac{8.640 \cdot 10^{04} \cdot sec}{1.011755}$ **Rotation Time Corrected To "Then" Time.**

$T_{Now} := 8.640 \cdot 10^{04} \cdot sec$ $T_{Now} = 1 \cdot day$ $T_{then} = 0.988381574591 \cdot day$ 27)

Then the rotational velocity (then) in feet/second based on the cosine of the latitude is:

$Vel_{Then} := \cos(Lat_E) \cdot \frac{Cir_E}{T_{then}}$ or, $Vel_{Then} = 1.331644373093 \times 10^3 \cdot \frac{ft}{s}$ ("Then" is some time in the distant past.)

The distance based on the exact form of the 72 degrees from above expressed as frequency is:

$\lambda_{72deg} := \frac{Vel_{Then}}{(72.083370465459\ Hz)}$ $\lambda_{72deg} = 18.473669647994 \cdot ft$ N-S direction. 28)

The dimensions of the King's Chamber related to the Earth velocity in the E-W direction is:

$\lambda_{36deg} := 2 \cdot \frac{Vel_{Then}}{(72.083370465459\ Hz)}$ $\lambda_{36deg} = 36.947339295988 \cdot ft$ 29)

This is based on the West-East velocity of the Earth at the latitude of the Great Pyramid and is parallel to the vibration frequencies in the Grand Gallery gradations. Then since the dimensions of the King's Chamber are 10 by 20 long cubits, (N-S x E-W respectively), the actual physical dimensions of the King's Chamber in feet can be calculated as:

$\lambda KC_{NS} := 10 \cdot \lambda_{cubit} = 17.092478691667 \cdot ft$ $\lambda KC_{EW} := 20 \cdot \lambda_{cubit} = 34.184957383333 \cdot ft$ 30)

where, $\Delta\lambda_{WEvel} := \lambda_{36deg} - \lambda KC_{EW}$ $\Delta\lambda_{WEvel} = 2.762381912654 \cdot ft$ 31)

This is the differential wavelength related to subtracting the actual physical King's Chamber E-W wavelength from the present Earth velocity wavelength.

The wavelength (distance E-W) based on the N-S normal air velocity and the frequency of 72.083370465459 Hz related to the above actual E-W physical calculations is:

$$\lambda_{EWair} := \frac{vel_{air} \cdot 2}{(72.083370465459\ Hz)} \qquad \lambda_{EWair} = 34.145419617683 \cdot ft \qquad 32)$$

Which is very close to the actual physical E-W dimension of the King's Chamber above.

$$\lambda KC_{EW} - \lambda_{EWair} = 0.474453187803 \cdot in \qquad 33)$$

Based on the velocity and wavelength differences, a frequency is derived related to both.

$$\Delta\lambda EW_{KC} := \lambda_{36deg} - \lambda_{EWair} \quad \text{where,} \quad \Delta\lambda EW_{KC} = 2.801919678304 \cdot ft \qquad 34)$$

$$\Delta vEWbothvel := Vel_{Then} - vel_{air} \qquad \Delta vEWbothvel = 100.985907092841 \cdot \frac{ft}{s} \qquad 35)$$

$$\Delta f_{vel} := \frac{\Delta vEWbothvel}{\Delta\lambda EW_{KC}} \qquad \Delta f_{vel} = 36.041685232729 \cdot Hz \qquad 36)$$

Note that 36 and 72 Hz are 1/10 of 360 and 720 Hz respectively which the latter two are frequencies in the Grand Gallery. The Grand Gallery generates frequencies based on the gradation spacing. Added in is the fundamental frequency $f_{GG} = 444.308757$Hz. It is likely that huge explosive pulses of sound pressure drives the multiple frequency generation much like a crystal 'comb' generator in electronic design.

The following magnifies the effective mass in the field momentum considered to be conserved.

$$MM_{up} := \frac{\lambda_{EWair}}{\Delta\lambda EW_{KC}} \qquad MM_{up} = 12.186437706289 \qquad 37)$$

Mass increase translates directly to a gravitational increase in force field terms. Two orthogonal fields in a vector cross multiplication in the X-Y horizontal direction yields a resultant third vector 90 degrees to both the X and Y vectors in the Z or vertical direction. Visualize a vertical pulsation of mass-field hitting and being absorbed by the roof of the King's Chamber. There are massive chambers above the King's Chamber that may serve to further amplify the mass-field pulsations. This would be a directional action with the powerful mass increase being into the roof resonator chambers and a very decreased force being directed into the floor. This may also be precisely tuned for resonance.

Taking the mean of the basic 8 notes of the Grand Gallery and then the mean of that result added to an unknown frequency that will yield f_{fund} we can solve for f_x.

Using Mathcad's symbolic equation solver, we solve for f_x that would yield f_{fund} below.

$$Sum8_{avg} := \frac{\sum_{n} \left(\Delta fGG_{cubit.}(n)\right)}{8} \qquad Sum8_{avg} = 407.950984066818 \cdot Hz \qquad 38)$$

$$\frac{Sum8_{avg} + f_x}{2} = f_{fund} \quad \text{has solution(s)} \quad 2 \cdot f_{fund} - Sum8_{avg}$$

$$f_x := 2 \cdot f_{fund} - Sum8_{avg} \qquad f_x = 480.665223253507 \cdot Hz \qquad 39)$$

Third harmonic of 60 Hz prime: $SixtyHz_{Prime} \cdot 2^3 = 480.190817755012 \cdot Hz$ 40)

This frequency is self generating to create f_{fund}. where, $f_{fund} = 444.308103660162 \cdot Hz$

The fundamental electrogravitational frequency f_{LM} is solved for from the special 60 Hz:

$$\frac{SixtyHz_{Prime}}{6} = 10.003975369896 \cdot Hz \quad \text{Actual} = \quad f_{LM} := 1.003224805 \cdot 10^{01} \cdot Hz \qquad 41)$$

The $SixtyHz_{Prime}$ divided by 6 is very close to my previously calculated frequency for f_{LM} in my online theory of electrogravity. Then the Grand Gallery operational frequency is also connected fundamentally to my electrogravitational frequency.

Fundamentally, all is quantum. Since DNA is in the atomic wavelength, it is quantum. Electrogravitation is quantum based at the most fundamental level. DNA exhibits the nature of the Golden Ratio in its fundamental structure. The Great Pyramid at Giza exhibits the Golden Ratio and is connected to the atomic fine structure constant as my online work shows. My work naturally includes the Golden Ratio since all is quantum.

Since 60Hz is ubiquitous to nearly all of the inhabited globe, I cannot help but wonder what the effect is on DNA throughout the organisms that have DNA, especially human beings. Also, human mental processes may be especially adversely affected. I am reminded of the tower of Babel where GOD confused the human language to slow the communication processes to reduce their net creative function. Don't want the cattle driving the cattle truck.

The Net Mass Multipliers Up Minus Down Equals The Square Root Of The Inverse Of The Atomic Fine Structure Constant α.

A sum of velocities instead of a difference is examined below.

(PLUS)

$$\Delta\lambda EW1_{KC} := \lambda_{36deg} + \lambda_{EWair} \quad \text{where,} \quad \Delta\lambda EW1_{KC} = 71.092758913671 \cdot ft \tag{42}$$

$$\Delta vEW1_{KC} := 72.083370465459\ Hz \cdot \Delta\lambda EW1_{KC} \quad \Delta vEW1_{KC} = 5.124605678186 \times 10^{3} \cdot \frac{ft}{s} \tag{43}$$

$$\Delta fEW1_{KC} := \Delta vEW1_{KC} \cdot \left(\Delta\lambda EW1_{KC}\right)^{-1} \quad \Delta fEW1_{KC} = 72.083370465459 \cdot Hz \tag{44}$$

The mass multiplier into the floor is shown below.

$$MM_{down} := \frac{\lambda_{EWair}}{\Delta\lambda EW1_{KC}} \quad MM_{down} = 0.48029391656 \tag{45}$$

The major vertical force is differential with a major huge force offset pointing upwards, pointing the way to the stars.

The resultant vertical mass multiplier is set very close to the inverse square root of the quantum fine structure constant α.

$$MM_{up} - MM_{down} = 11.706143789729 \tag{46}$$

Where, $\left(\sqrt{\alpha}\right)^{-1} = 11.706237204727$ (47)

The atomic fine structure constant is also called the photon coupling constant as photons are considered to be the force carrier for all of the quantum forces by contemporary physics. That is the prime reason for gravitational force not being unified with the other three forces; electromagnetic, nuclear and strong. **The magnetic force is key** to the unification and that force does not depend on photon action since it is quantum and non-local in its action. Its non-local action is instantaneous and only the reaction is local and subject to relativity as a result.

Queen's Chamber calculations Setting The Great Pyramid's Latitude Location.

$$\sum_{n1} \frac{\Delta fQC_{cubit.}(n1)}{Hz} + 4 = 1.473818182057 \times 10^{3} \qquad 48)$$

$$\text{where,} \quad \tan\left(\sum_{n1} \frac{\Delta fQC_{cubit.}(n1)}{Hz} + 444.308103660162 \cdot deg\right) = 1.643844041718 \qquad 49)$$

$$\text{NOTE:} \quad \left(\frac{4}{\pi}\right)^{2} = 1.621138938277$$

$$\text{Then:} \quad \operatorname{atan}(1.643844041718) \cdot \frac{180 \cdot deg}{2 \cdot \pi} = 29.343293560159 \cdot deg \qquad 50)$$

Note that 1/2 of 360 degrees is used since Latitude range is plus or minus 90 degrees from the equator.

The above equations derive the north latitude location of the Great Pyramid up from the equator. This is set by the N-S vectors of the niche gradations in the Queens Chamber. These vectors are orthogonal or 90 degrees to the King's Chamber and Grand Gallery E-W vector calculations.

Age of Great Pyramid based on the slowing of the Earth per day in milliseconds.

Total loss of time required in seconds:

$$8.640 \cdot 10^{04} \cdot sec - \frac{8.640 \cdot 10^{04} \cdot sec}{1.011755} = 1.003831955365 \times 10^{3} \cdot sec \qquad 51)$$

This equals the number of seconds that the Earth has slowed down from the Great Pyramid's time of construction

$$\text{Slowdown avg. over 1 year:} \quad Sec_{day} := 7.3 \cdot 10^{-04} \cdot \frac{sec}{day} \qquad 52)$$

$$\text{Then:} \quad T_{Ratio} := \frac{1.003831955365 \times 10^{3} \cdot sec}{Sec_{day}} \cdot \frac{1}{365 \cdot \frac{day}{yr}} \quad \text{or,} \quad \boxed{T_{Ratio} = 3.767430870201 \times 10^{3} \cdot yr}$$

$$= 1749.43 \text{ yrs BC}$$

When the Great Pyramid was built, the wavelength difference between the velocity of the Earth E-W and 4 times the wavelength of the hyperfine frequency of the hydrogen atom was almost zero. Also, the mass multiplier was equal to the inverse of the square root of the fine structure constant.

A new Latitude can be calculated wherein the "Then" parameters would be achieved.

From above: $Vel_{Then} := \cos(Lat_E) \cdot \frac{Cir_E}{T_{then}}$ $Lat_E = 29.97648 \cdot deg$ (Then Lat.) 53)

The below equation is solved for the "Now" Latitude angle that will repeat "Then" parameters.

$Lat_{NowforThen} := acos\left(\frac{Vel_{Then} \cdot T_{Now}}{Cir_E}\right) = 28.787338131027 \cdot deg$ = New "Now" Lat. required. 54)

Check:

$\cos(Lat_{NowforThen}) \cdot \frac{Cir_E}{T_{Now}} = 1.331644373093 \times 10^3 \cdot \frac{ft}{sec}$ 55)

$Vel_{Then} = 1.331644373093 \times 10^3 \cdot \frac{ft}{sec}$ O.K. (X)

New latitude locale equals about 82 miles to the south of the Great Pyramid's present location.

$\Delta Lat := Lat_E - Lat_{NowforThen}$ $\Delta Lat = 1.189141868973 \cdot deg$ 56)

$\frac{\Delta Lat}{90 \cdot deg} \cdot \frac{Cir_E}{4} = 82.127835442744 \cdot mi$ Due South = "Then" rotational velocity. 57)

This "new latitude" is where the Great Pyramid would have to be located to have the same velocity as it did back in 1749.43 yrs BC.

The Atomic Fine Structure Constant As Related To The Golden Ratio

The concept of degrees of angle being exchanged for frequency yields some very salient information regarding the connection between the Golden Ratio and the atomic fine structure constant α, also known as the photon coupling constant.

Firstly, we consider the atan of the inverse of the fine structure constant arising from the ratio of side opposite divided by side adjacent and then add 360 degrees.

$$Mag_{alpha} := atan\left(\frac{1}{\alpha}\right) + 360 \cdot deg \qquad Mag_{alpha} = 449.581899888261 \cdot deg \qquad 58)$$

From eq. 23 of page 8 above: $f_{fund} = 444.308103660162 \cdot Hz$

Letting Mag_{alpha} be expressed in Hz and then subtracting f_{fund} we have:

$$Diff_{Hz} := Mag_{alpha} \cdot \frac{Hz}{deg} - f_{fund} \qquad Diff_{Hz} = 5.273796228098 \cdot Hz \qquad 59)$$

Divide the difference by 2 to take the average and we arrive at:

$$Ratio_{Gold} := \frac{Diff_{Hz}}{2} \qquad Ratio_{Gold} = 2.636898114049 \cdot Hz \qquad 60)$$

We arrive very close to the magnitude of the square of the Golden Ratio!

Where: $\sqrt{2.636898114049} = 1.62385286096$ and $\left(\frac{4}{\pi}\right)^2 = 1.621138938277$ 61)

It appears that the construct of nature may not be concerned with whether things are expressed in degrees or frequency as long as you add 360 degrees. Again, this may be due to the construct of space having the design of a helix where cycles of frequency are twisting through degrees orthogonally to the plane of the frequency alternations. Viola! We see that in DNA design. This cannot be from accident. Further, DNA is modeled on the math of the Golden Ratio as well as the Atomic Fine Structure Constant alpha. Then the 60 Hz power line frequency around us may be doing much more damage than we can possibly imagine.

Obelisks May Have Been The Power Receivers Or Terminations Of Pyramid Power.

The Washington Monument is a very good example of an obelisk that could receive power from the Great Pyramid of Giza if the Great Pyramid was still operational. The Washington Monument is however hollow and is not made of solid granite as the ancient ones of Egypt are. Therefore its efficiency is likely much reduced from the original obelisks. However, an analysis of the Washington Monument can reveal some very salient information based on the details of its construction.

LINK: https://answers.yahoo.com/question/index?qid=20090517064236AA8rnFs

First, the height above the floor is 555 feet plus 5 and 1/8 inches. The width at the base is 55 feet plus 1 and 1/2 inches. The width at the top of the shaft is 34 feet plus 5 and 1/2 inches. The difference is 20.666...feet. Note that 20.666 feet is very close to the acoustic wavelength required to generate 60 Hz.

$$f_{WM} := \frac{vel_{air}}{20.6666 \cdot ft} \cdot (1 + \alpha) \qquad f_{WM} = 59.982726493342 \cdot Hz \qquad 62)$$

Notice the multiplier of 1 plus alpha which incorporates the atomic fine structure constant into the design wavelength.

Dividing the total height by 27 intervals as exist for the Grand Gallery:

Feet per interval: $\frac{555.4270833 \cdot ft}{27} = 20.571373455556 \cdot ft$

Frequency per interval: $\frac{vel_{air}}{(20.571373455556\ ft)} = 59.823835713197 \cdot Hz$

If a true granite obelisk had a toroid current transformer placed at the base of the obelisk, power could be extracted from the resonant atoms in the obelisk that vibrated in synchronization with the Great Pyramids's generating acoustic frequencies in the above analysis. I have seen pictures of an ancient excavated transformer having copper windings from the same region on YouTube. Perhaps most of the copper related to same such transformers has been removed by the Egyptians of long ago for their own personal use when the Great Pyramid stopped functioning. Also, perhaps most of the copper that the Egyptians obtained came from the innards of the Great Pyramid as well as the outer parts including the obelisks.

Salient Information From My Newelectrogravity Blog On YahooGroups

Nov. 09, 2018

Consider the common bar magnet. It has two magnetic poles called North and South where, according to Maxwell's equations, one cannot exist without the other. In spite of that, some mathematical results point to the fact that a monopole may exist that has magnetic field only outwards or inwards but not both at the same time.

There it is: "not both at the same time." It occurred to me years ago that it might be possible to have alternating monopoles connected by the vector magnetic potential. That is, reality is refreshed in my theory of "Electrogravitation As A Unified Field Theory" much like a picture arriving on a movie screen, and the refresh pulse can have spaces of time so that many possible realities can exist in their own slice of time. Even our brains and memory would depend on being synchronized to that particular refresh event by our own programmed DNA build. We would not be aware of the time-slice operation around and in us.

Back to the bar magnet. Make it smaller to the point of being a quantum particle. First one and then the other monopole would be continuously created. Now begin to separate the monopoles and the magnetic vector potential would be the connecting field between their respective quantum energy fields. Now you are creating the bar magnet which would be the result of combining both monopoles by one field. Could one expect to have one monopole without the other? This would be an imbalance of energy and as such is either creating or destroying energy which violates the conservation of energy law. Two opposite energy monopoles are allowed but not an individual monopole.

The field between the monopoles rotates about the vector magnetic field at a velocity close to the square root of the atomic fine structure constant in meter per second units. This field rotation has inertial properties that allow it to exist even after the field that created it is removed thus we have the Faraday disk generator and/or motor of which there are many examples of online on YouTube.

Respectfully, Jerry E. Bayles (Quantum Mechanic)
URL: electrogravity.com

Nov. 10,2018

Consider the following thought experiment regarding the existence of a two phase clocked universe involving the North and then the South poles existing in alternating fashion.

Imagine a long bar magnet and at one end we position a much shorter bar magnet 90 degrees to the alignment of the long bar magnet. A piezo-electric crystal has the much smaller bar magnet mounted to its surface and electrodes are connected to the crystal at the voltage points that can measure stress on the crystal in a very sensitive method.

If the fields North and South actually alternate in existence, the situation exists where one pole of the long bar magnet is going to be much further away from the small bar magnet poles than the other pole of the long bar magnet since the two magnets are 90 degrees to each other. This would set up stress vibration in the crystal and this could be expected to be measurable as an A.C. voltage by a suitable monitoring device.

It may be measurable as a 60 Hz frequency since I have postulated in my work online that all of the cosmos are refreshed at this frequency. Creating a field 90 or 180 degrees out of phase with the actual cosmos refresh rate may enable persons or objects to walk through walls or solid rock for that matter.

Respectfully, Jerry E. Bayles (Quantum Mechanic)
URL: electrogravity.com

For the next letter, consider the following:

According to Heisenberg's Uncertainty Principle, if a particle has no mass, it can have no net momentum while in transit through space. Therefore it has a totally unknown position. Thus gravity is potentially an unlimited and zero time long range force if monopoles are part of the structure of photons.

Nov. 10, 2018

Consider the ordinary photon. Contemporary science regards the photon as the mediator of the electromagnetic force in the atomic realm. In transit, the photon has zero mass since it "travels" at the speed of light. Otherwise the mass would be infinite according to the theory of Einstein's Special Relativity.

In my conceptual view of the photon it would consist of the two phase dynamic where first one monopole and then the other in repeating fashion would make up the photon. Then the average negative and then positive energies would add up to zero energy but each phase would have either positive or negative energy and thus be able to transfer momentum upon interaction with other quantum particles.

I posit that photons 'travel' at the speed of light in quantum jumps wherein each jump is stationary in the wavelength required to complete a half cycle and then instantly jumps to the next point in space to complete the other half cycle. The length of the space and jump is set by the frequency times wavelength product that always equals the speed of light in free space. Light is therefore either in a quantum state or taken as a summation of jumps a wave. At the heart of the photon would be the two monopoles, each of singular magnetic field polarity and otherwise there could be no electromagnetic waves.

Two monopoles exchanging positions (quantum entanglement via exchange) in alternating fashion over arbitrary distances form what is called the gravitational force and their exchange is instantaneous since it is a non-local quantum action. The observable local reaction conforms to the theory of relativity.

The path to unification of gravity with the other forces must include non-local faster than light action and must also include the monopole magnetic force as is developed in my theory of Electrogravitation.

Respectfully, Jerry E. Bayles (Quantum Mechanic)
URL: electrogravity.com

The above letters to my blog are located at:

https://groups.yahoo.com/neo/groups/newelectrogravity/conversations/topics/11246

Actual Sounds Of The Grand Gallery, The Queens Chamber, The Combined Sounds Of Both Plus The Fundamental Sound Of 444.308...Hz.

Page one and two above have the tables of frequencies for the Grand Gallery and the Queens Chamber respectively. Clicking on the below links will yield these sound frequencies as it would sound in the Pyramid itself.

1. First, the five simultaneous notes of the Queen's Chamber:

http://www.electrogravity.com/PyramidSounds/Signal 5 Oscillators 10 Seconds.wav

2. Secondly, the 8 simultaneous notes in the Grand Gallery design:

http://www.electrogravity.com/PyramidSounds/Signal 8 Oscillators 10 Seconds.wav

3. Third, the combined result of steps 1 and 2 above that are presented to the King's Chamber:

http://www.electrogravity.com/PyramidSounds/Signal 13 Oscillators 10 Seconds.wav

4. Finally, the fundamental of 444.308...Hz is combined with steps 1, 2, and 3:

http://www.electrogravity.com/PyramidSounds/Signal 14 Oscillators 10 Seconds.wav

These acoustic frequencies fit the design parameters of the Great Pyramid's internal structure as a whole and likely represent standing waves that can build to very large levels, The use of huge granite resounding plugs at the bottom of the shaft leading up to the Grand Gallery suggest to me that impact pulses of tremendous magnitude (acoustically) were utilized to start and sustain the development of the above sound frequencies. These sound frequencies were intertwined with the geometry of the Golden Ratio, the atomic fine structure constant α, and the hydrogen resonance frequency of the cosmos. My electrogravitational frequency of 10.03224805 Hz as well as the ubiquitous 60 Hz universal refresh frequency are also part of the overall design. I posit that the Great Pyramid was not just an energy or power generator but utilized and then amplified the free energy available in the Earth as well as the cosmos.

Ω