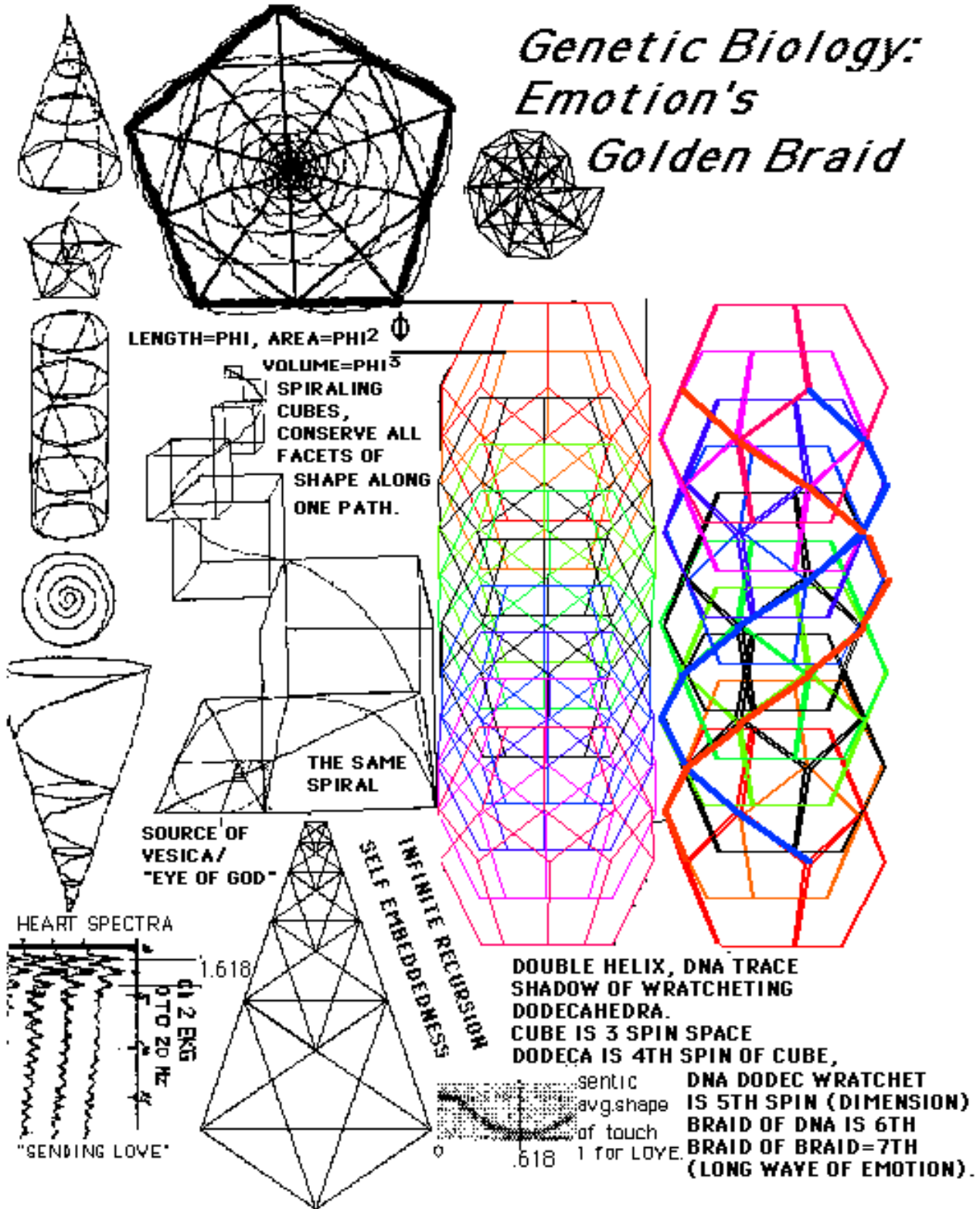
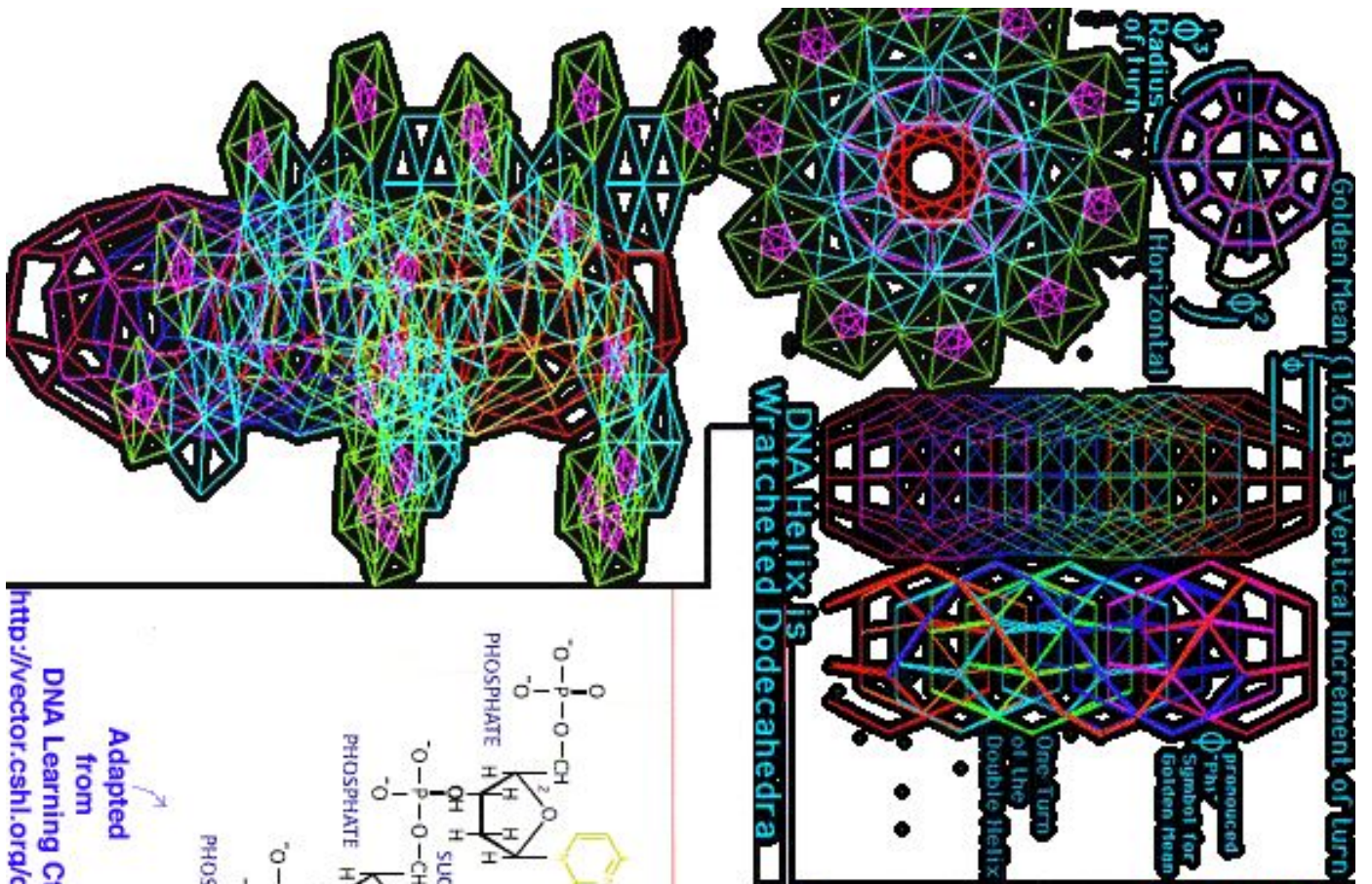


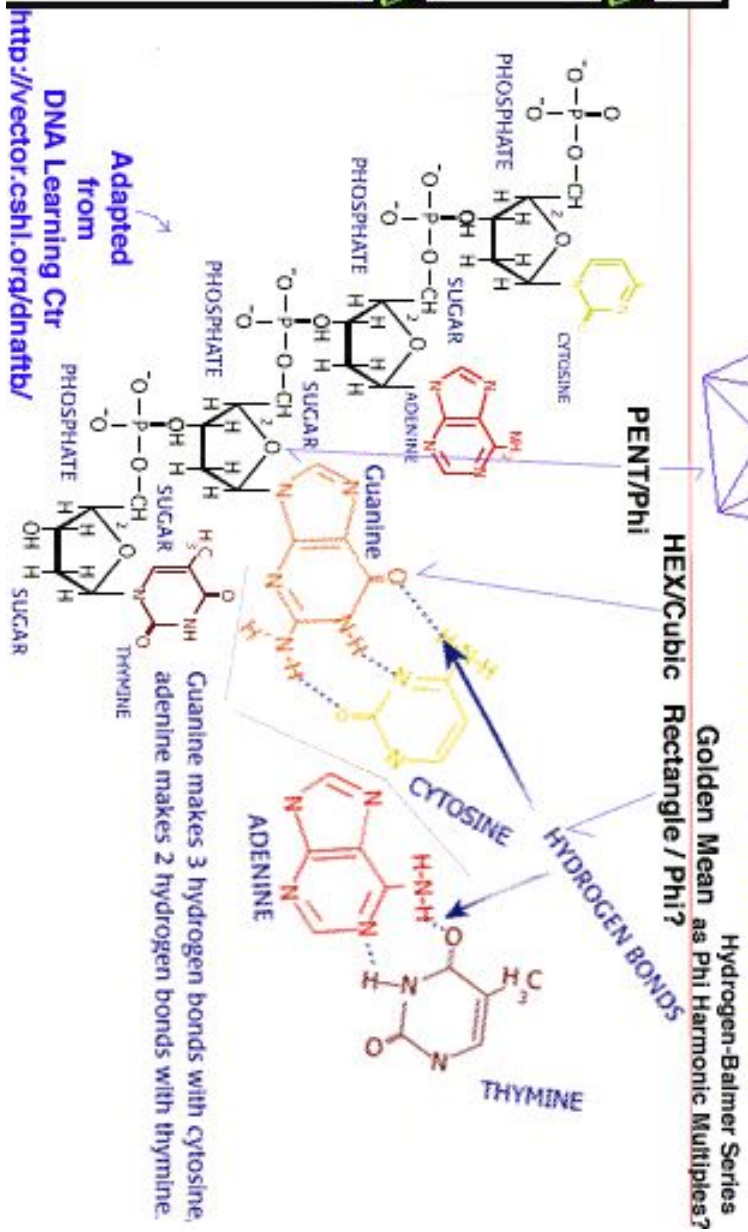
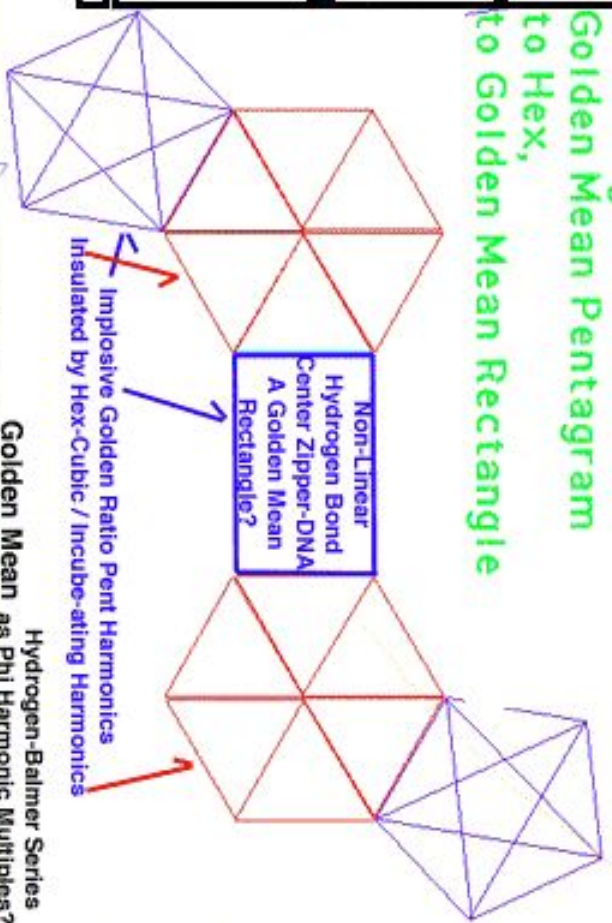
And THIS shape of - perfect PENT NEST EMBEDDING - Brings us Beautifully - to
The SACRED GEOMETRY OF DNA -
 -in order to prepare to fully understand what happens to genes on fire in BLISS.

*Genetic Biology:
 Emotion's
 Golden Braid*



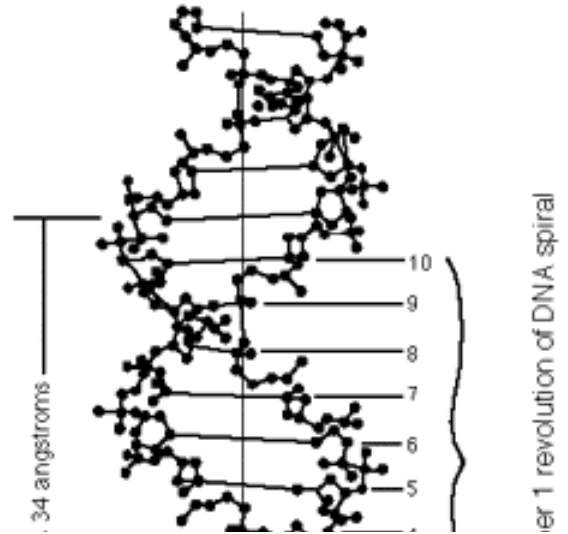


One Rung of the Ladder of DNA Golden Mean Pentagram to Hex, to Golden Mean Rectangle



1.618 is also the ratio of the DNA structure . It is the only ratio that allows complete information or geometry to cascade down the harmonic series without destructive interference (achieving perfect fractal "implosive" data/wave compression) - spin path to zero point.

One 360 degree turn of DNA measures 34 angstroms in the direction of the axis. The width of the molecule is 20 angstroms, to the nearest angstrom. These lengths, 34:20, are in the ratio of the golden mean, within the limits of the accuracy of the measurements. Each DNA strand contains periodically recurring phosphate and sugar sub-units. There are 10 such phosphate-sugar groups in each full 360 degree revolution of the DNA spiral. Thus the amount of rotation of each of these subunits around the DNA cylinder is 360 degrees divided by 10, or 36 degrees. This is exactly half the pentagon rotation, showing a close relation of the DNA sub-unit to the golden mean.



Visualizing Clearly- "12 strand DNA" -mechanism of lo phi to embed...

The braided thread of DNA helix is a 'wratched dodec'...

It is made of 32 degree tilt cube into dodec is the 4th axis of rotation (the only meaning of 'dimension') superposed. ('tesseract cube')

Wratchet that dodec down a helix - that is another (5th) superposed spin (dimension)

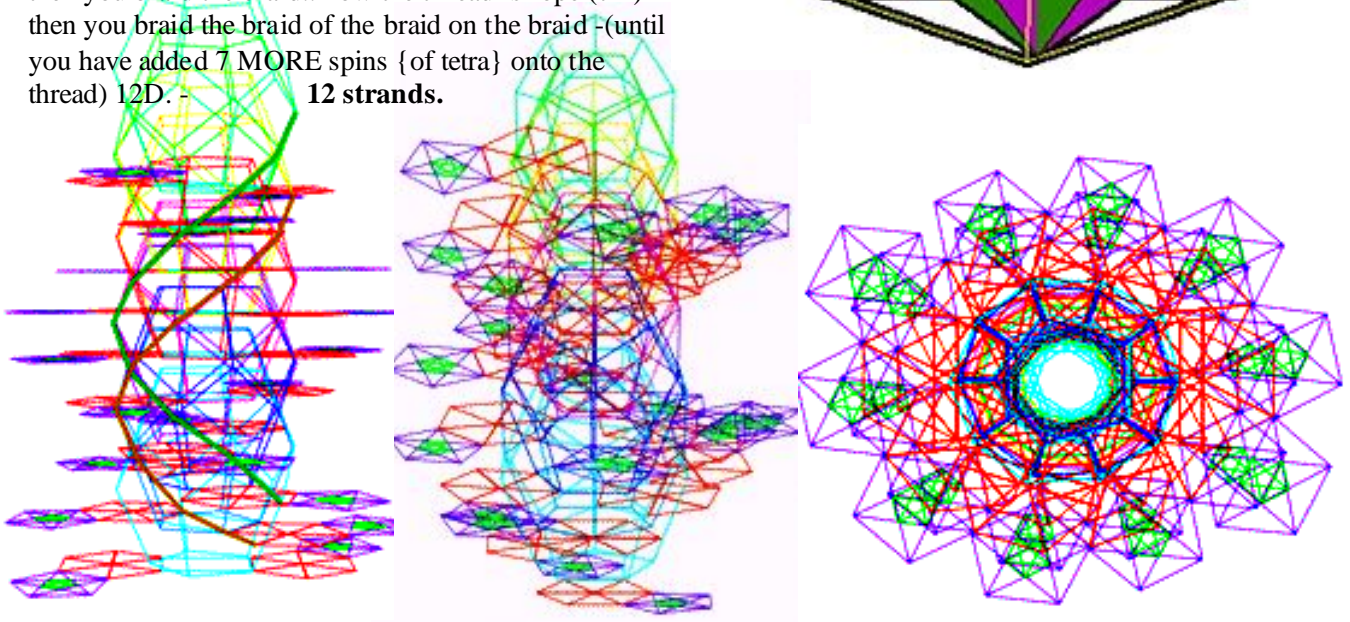
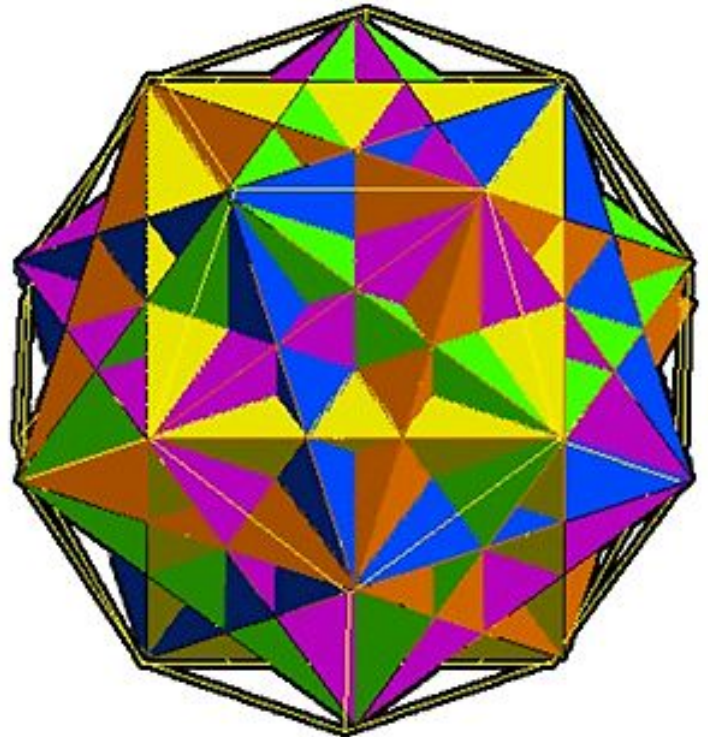
-so the thread is 5D

-Now if you take thread and braid it so that the lengths of the braid 'humps' (answer lies folded in an envelope) such that the envelope is a multiple of PHI times the diameter of the thread (envelope to carrier wave ratio)..- LO wave Phi ratio.. lo phi

you begin to program implosion thru lightspeed by recursive constructive heterodyning (ensoulment) into DNA (by the EKG phonons of bliss)

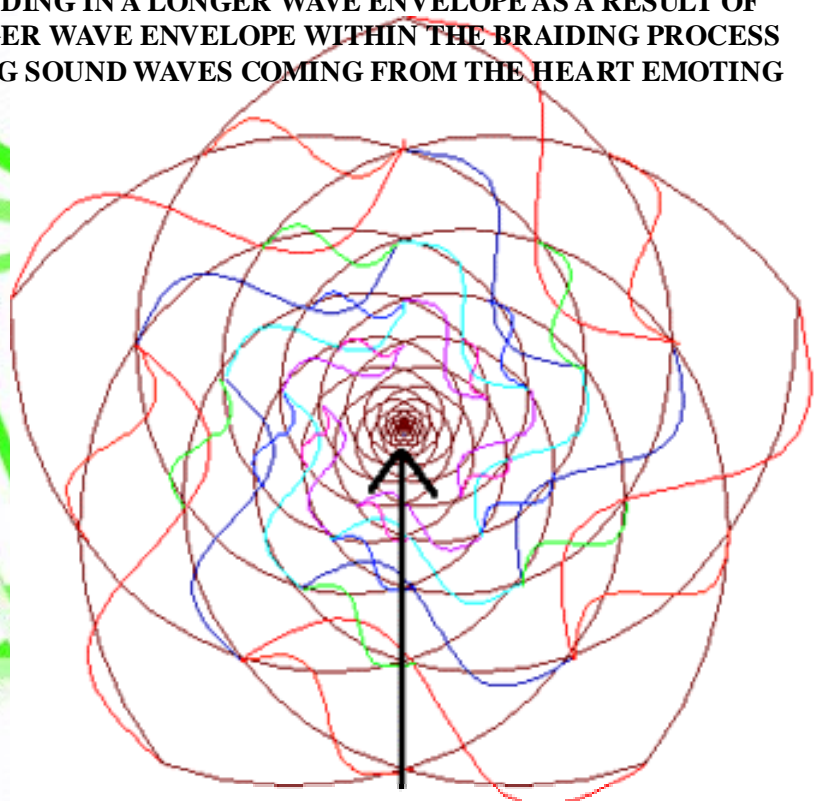
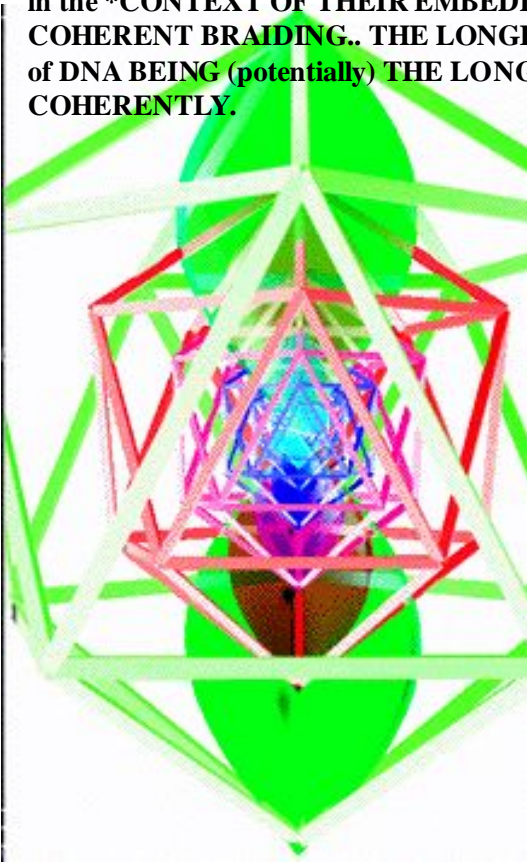
now the thread is string.. (6D)

then you braid the braid.. now the thread is rope (7D)
then you braid the braid of the braid on the braid -(until you have added 7 MORE spins {of tetra} onto the thread) 12D. - **12 strands.**



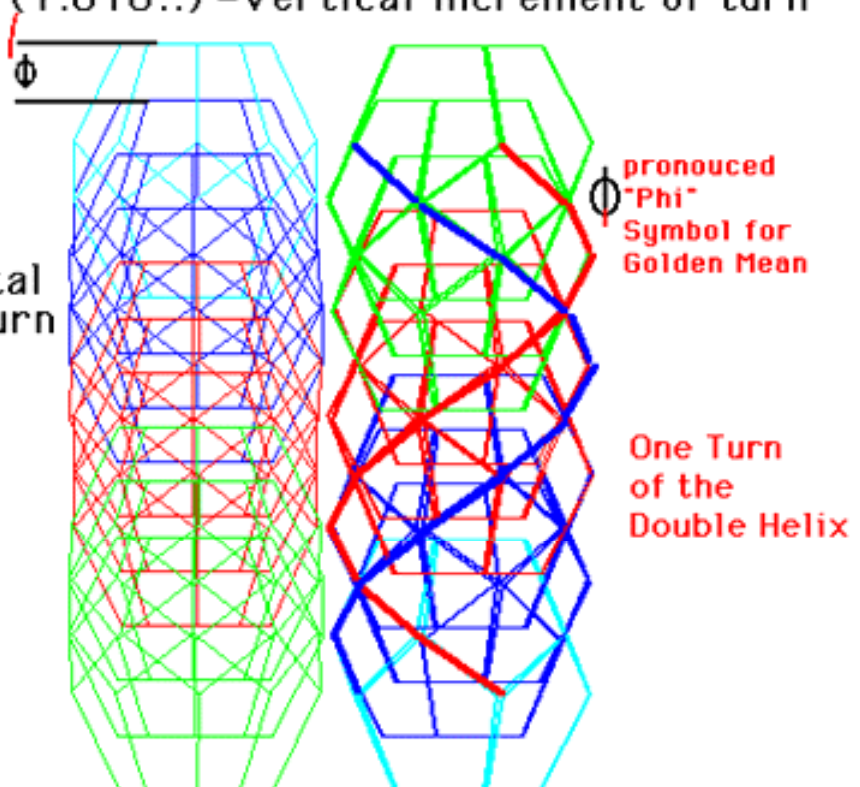
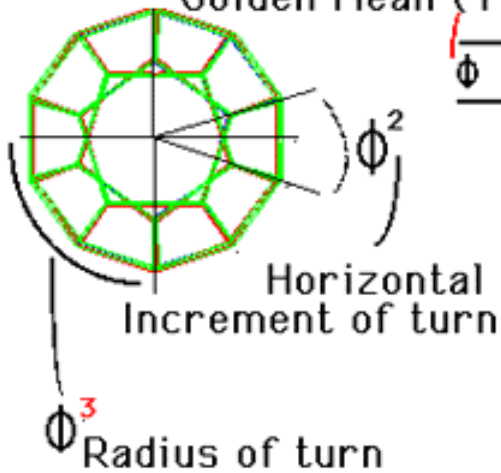
Now let's try to visualize what braiding does to the ¹¹¹wave envelope structure within DNA..
 Imagine that the Double Helix above are the musical wave sample shown below..
 just a sine wave beginning to be compressed or embedded..

-- Now we notice what it looks like if we zoom out and see these "short" waves (the short waves being equivalent to the high quality and sexy Ultra Violet Light.. "blue fire in DNA"..)
 in the *CONTEXT OF THEIR EMBEDDING IN A LONGER WAVE ENVELOPE AS A RESULT OF COHERENT BRAIDING.. THE LONGER WAVE ENVELOPE WITHIN THE BRAIDING PROCESS of DNA BEING (potentially) THE LONG SOUND WAVES COMING FROM THE HEART EMOTING COHERENTLY.



Increasing Braid Density , Increasing CHARGE Density,
 Increasing AWARENESS Density

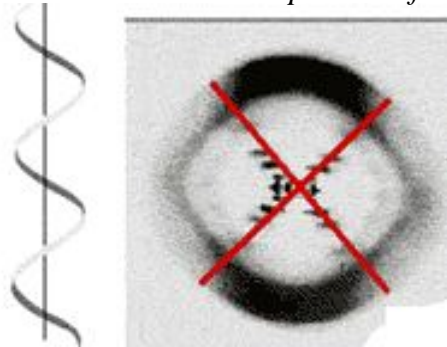
Golden Mean (1.618..) = Vertical Increment of turn



DNA Helix is Wratcheded Dodecahedra

The DNA molecule is shaped like a twisted ladder.

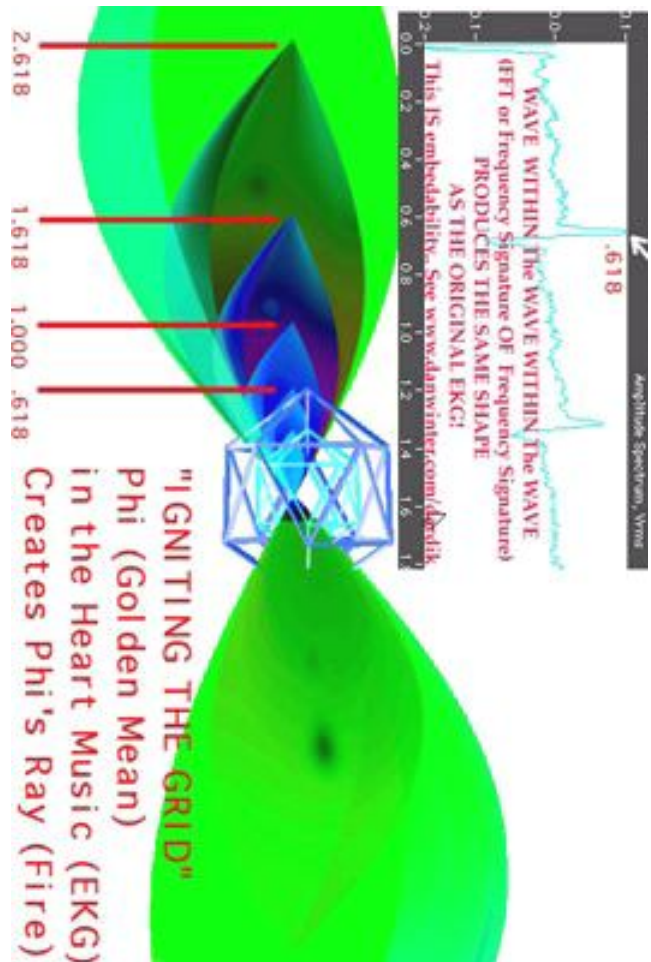
The distinctive "X" in this X-Ray photo is the telltale pattern of a helix.



A "Magnetic X" details:
soulinvitation.com/
magneticx



Eye-see. Vee seek a PI that sees/ Vesica Pisces
Is Perception the Compression that Sorts
- by Accelerating only what IS Shareable?

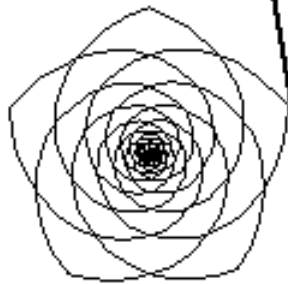


The individual strands of your DNA are short waves with a wavelength in the UV. This high quality and sexy Ultra Violet Light.. "blue fire in DNA"- becomes the information dense MOTOR of cell metabolism. (As biophysicist Earl Etienne used to say - high quality ultraviolet light is the ultimate product of cellular life. It is the driver of meiosis and mitosis. . (*the ritual dance of cell replication - designed to phase lock longer waves of charge - a good definition for ritual*).

Zoom out and see these "short" waves in the CONTEXT OF THEIR EMBEDDING IN A LONGER WAVE ENVELOPE AS A RESULT OF COHERENT BRAIDING.. THE LONGER WAVE ENVELOPE WITHIN THE BRAIDING PROCESS of DNA BEING (potentially) THE LONG SOUND WAVES COMING FROM THE HEART EMOTING COHERENTLY. (Heart Harmonics at the moment of Love:

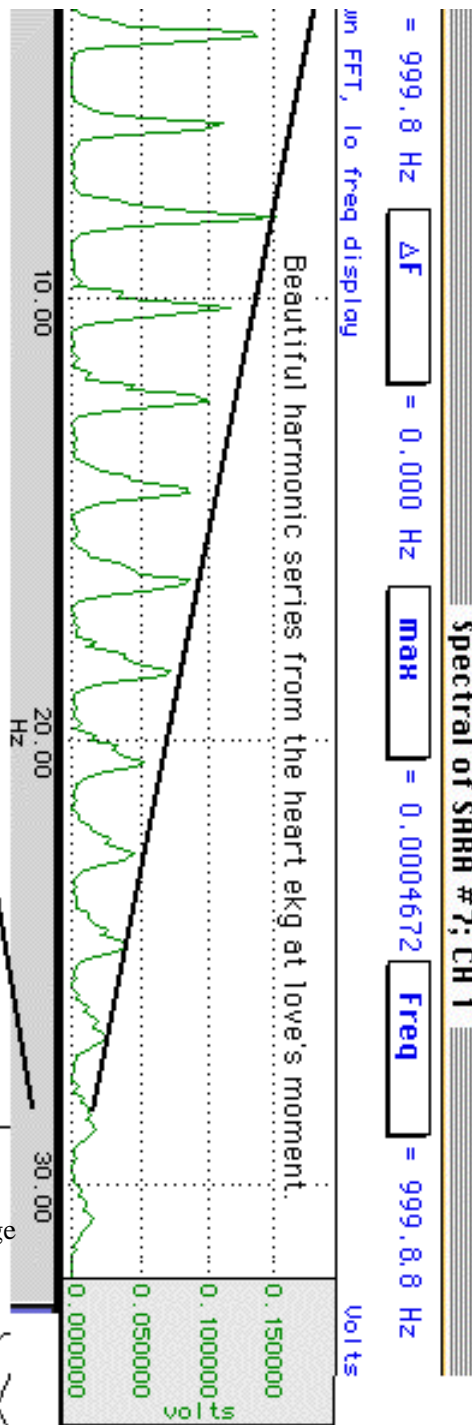
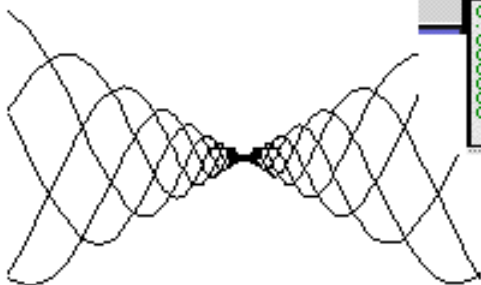
see: heartcoherence.com

information between fields? And if so, is this the only geometrically permissible path for inputting information into the immune system, from the glands / from human intention? Is this how the heart phase entrains by geometry, the much physically larger oscillator: the human brain, thus establishing the information matrix which determines which pressure patterns trigger emotion (as in the ringing of the glands) there?

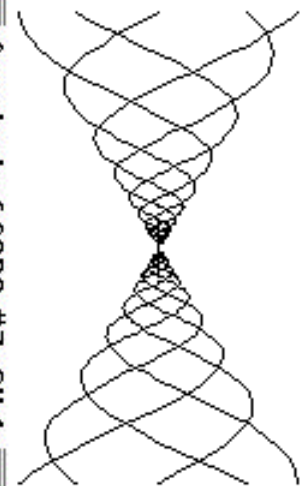


Front

The harmonics measured in the EKG **cohere-ing** at the moment of compassion - create the cascade to carry charge down into the DNA!



The side view of a golden mean spiral when laid onto the 60 degree light cone which nests fractal dodeca, is a simple caduceus shape. The relative phase angle of this caduceus, tells us what geometric array the heart is able to touch and couple. (for it's electricities, and therefore it's information content.)



Top



Quoting from
Dr. Irving Dardik MD.
*Formerly of the Olympic
 Medical Committee:*

In his article on
Heart Harmonics which create
 the **Fractal or Harmonically
 Inclusive HRV**
 (Heart Rate Variability)

which statistically virtually
 predicts the elimination of
 chronic disease..

soulinvitation.com/dardik
 originally: Cycles Magazine

*“It is a wave within a wave -
 waving. It is SUPER-Looping”*

*The Heart Beat as a wave,
 nested within the Heart Rate as
 a wave, nested within your
 Breath as a wave, nested
 within your Day?? as a wave,
 nested within your .. planet..
 star..?*

Making the connection..

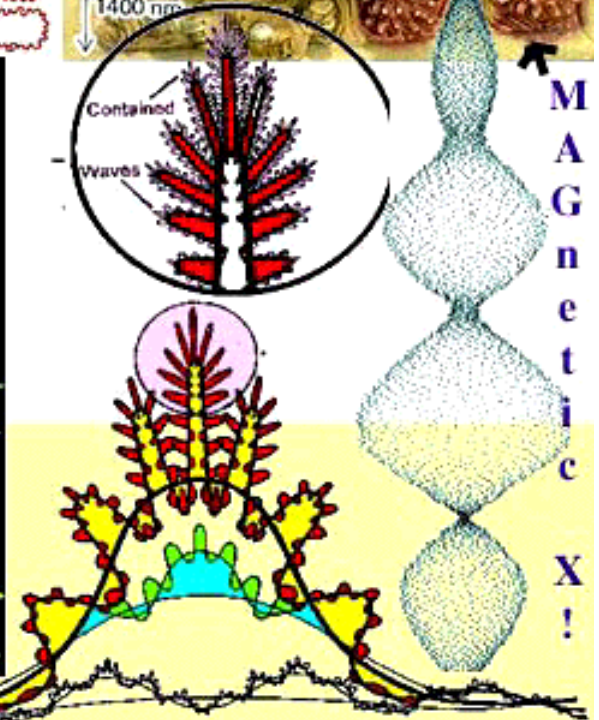
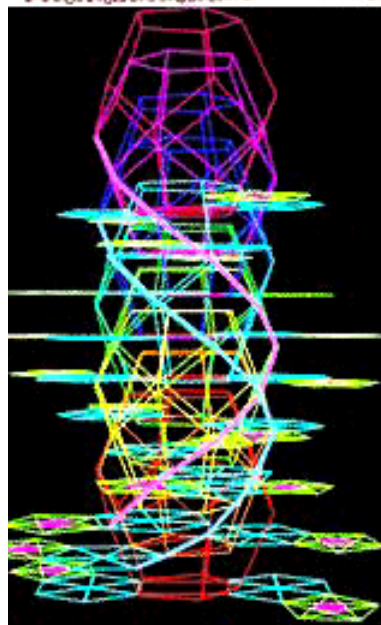
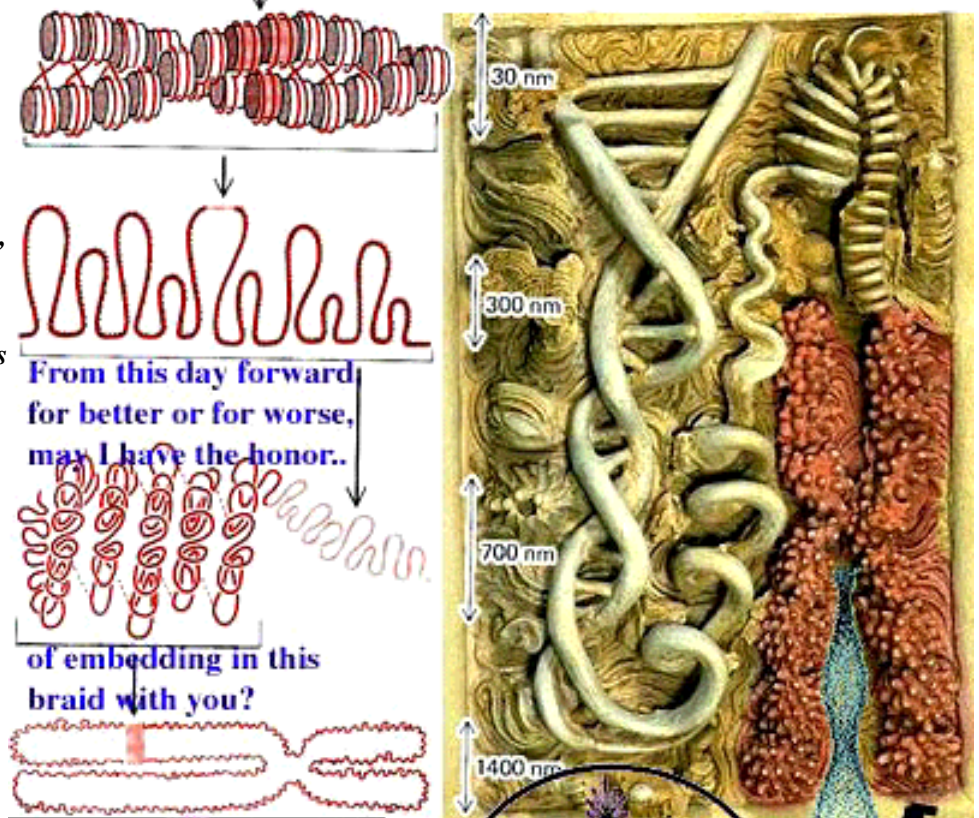
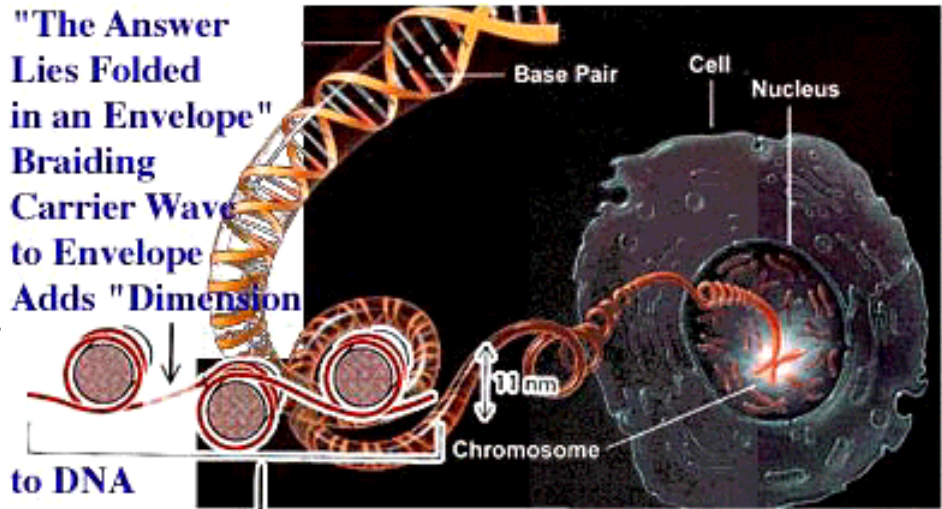
Glen Rein - did the study at
 Heart Math Institute,
 after we discussed the
 chapter from my book
 “Braiding DNA: Is Emotion
 The Weaver?”

soulinvitation.com/rein

showing DNA braiding
 responded MEASUREABLY
 to coherence in the EKG!

The zipper wraps - by listening to
 the piezoelectric snake
 charmer of the heart sounds..
 in bliss.

The braid programs codons
 because only those exposed get
 access to RNA. Emotions -
 program DNA by geometry.



More on 'Plaiting' Your Lover's Pony Tail -- or - The Braiding Gene Story...

Now let's try to visualize what braiding does to the wave envelope structure within DNA..

Imagine that the Purple and Blue Double Helix above are the musical wave sample shown below.. just a sine wave beginning to be compressed or embedded..

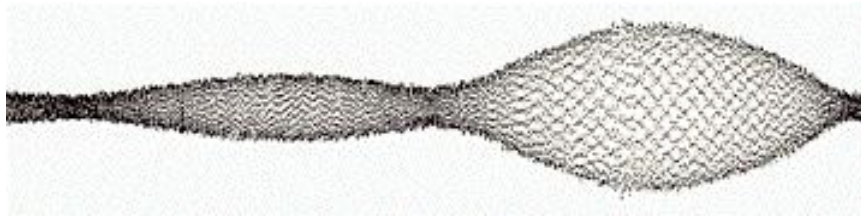
How does BRAIDING WORK? You take two handful strands of your lovers long hair. Then you make an over, then under motion until you have plaited or braided her pony tail. Now, since your hands get closer and closer to each other as you braid, thus - when you are done - if you were to take the hair from one hand and instead draw the path in space you had followed with a pen, you would have drawn: the CADDEUCEUS SHAPE WHICH IS THE SPECTRUM ANALYSIS OF HEART EKG DURING BLISS.



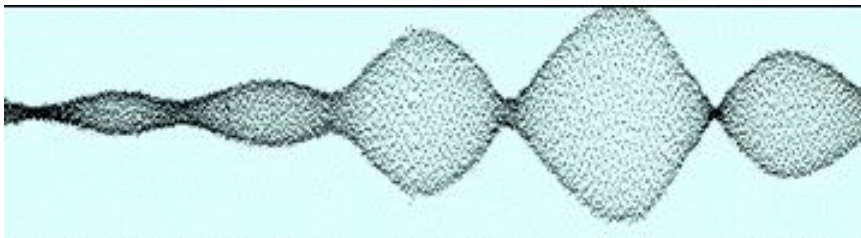
Left: the strands - of the double helix ABOUT to begin braiding (the 'carrier wave' - get's 'folded in an envelope')



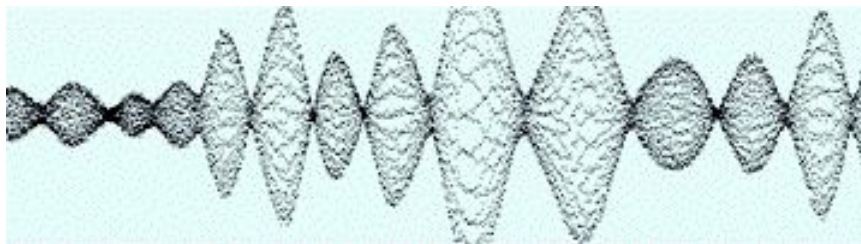
On Context in DNA refer to the book: "Grammatical Man: Information, Entropy, Language and Life", by Jeremy Campbell... his answer to the question: Why is the wave information propagation SIGNAL TO NOISE RATIO so high (so good) in DNA?



The book calls this CONTEXT DEPENDANCY.. Because the codon within the codon nesting accuracy of the sequencing of DNA is so high, then if one gets lost, the context alone provides the info on how to replace.



The only possible geometric way to understand what has been described in the literature as context richness, is the geometry of BRAIDING.... NESTING... "The answer lies folded in an envelope"



As we zoom further and further out, we discover if there is discipline, or coherence in the braiding algorithymn of our DNA..

we begin to see that the only possible coherence or nesting within nesting that IS POSSIBLE, is the perfect geometry of nesting, WHICH IS THE GOLDEN MEAN RATIO IN THE BRAIDING OF DNA..

(massive coherence/real genetic psychokinesis, is ONLY possible in the presence of massive recursion/ perfected embedding).

When a braid nests upon a braid - 'recursively' - eventually the thickening DNA rope would.. turn inside out?

next up..... BUT WAIT - WHAT WOULD HAPPEN IF THE GENE WANTED TO FINISH THIS BRAIDING INTO RECURSION / TURNING INSIDE OUT.. What would TURN OUT??

Introduction to - Circular DNA - Ring DNA & Lord of the Ring...

The real story on the 12 STRAND DNA Idea:

Summary - **Geometry of DNA.** is a four-dimensional Dodecahedron. When the braid of that is completed on another braid - the thread strand fits in the string strand - fits in the rope strand - fits inside the FAT rope strand - Until - potentially - we could talk about 12 'strands' in DNA. This could be discussed in biology meaningfully by spectrum analyzing DNA. (In the same way the 'Boson 7' spectral signatures of DNA's output predicted who could time travel at Montauk). We suggest that 'new age' friends should use words like braiding and nesting and harmonic analysis - and not just talk about putting in another 'strand' in DNA - lest scientists be alienated by non-rigorous language.

This superposing of axis of SPIN symmetry - is the only definition possible for ENTERING THE NEXT DIMENSION.

This is a **very loving embrace, and is the same for the "dodecahedral" shape of the Earth Grid and Zodiac. DNA is a fractal attractor because of its self-similarity - that is how its inner structure is a mirror of its outer structure.** DNA geometrically is a wratched or spun dodecahedron which snaps in place like walking down a slinky or helix. Then the thread of that double helix slinky is taken up in a BRAID. The sound of your heart singing BLISS (a phonon wave) BRAIDS your DNA coherently - until the NESTING of the short wave is EMBEDDED perfectly in a longer wave. Eventually your DNA is a BRAID which nests perfectly the waves of high quality ultraviolet light - to share inertia with VERY long waves from your heart sounds - your land - and even stars! In the advanced material we will study evidence that a particular symmetry based on the sacred alphabet can push your DNA into a ring donut - and implode - shooting your biology thru the speed of light - a RING LORD. DNA

[The RING in DNA - Genetically Going in Circles May Eventually Turn You Inside OUT!-the academic view](http://soulinvitation.com/circularDNA)

soulinvitation.com/circularDNA

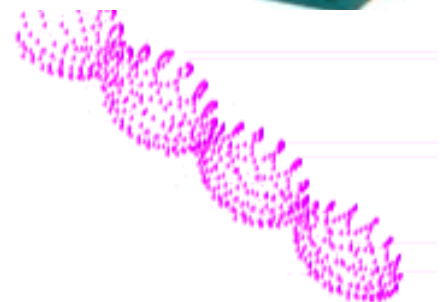
The sonic 'recipe' for bliss (in brain and heart waves) entrains by BRAIDING the DNA - allowing emotion to program DNA.. and ultimately welding DNA into a toroidal 'ring' donut which enables it to compress / acceleration biological magnetism thru the speed of light. [PhiRICAIS:PHI-Recursion-Induced-Charge Acceleration/Implosion Solution](http://soulinvitation.com/phirica) soulinvitation.com/phirica

This allows successful lucid dreaming, psychokinesis, and dying.

The tilt angles necessary to fuse DNA's braiding into an implosive RING - making you a LORD OF THE RING - became - the origin of our AN-gle-ish alphabet at: <http://spirals.etermite.com>

The ultimate of the braiding process is the moment when the wave learns to eat its own tail. That is how tornados and vortices and implosion becomes self organizing.

HOW TO STEER Tornados as the origin of dowsing at: [Good Feng Shui When Scientists Cross Ley Lines With Dowzers?](http://soulinvitation.com/good-feng-shui)



The RING in DNA

- Genetically Going in Circles May Eventually Turn You Inside OUT!

Intro -prelude from Dan Winter: Academic Paper - CIRCULAR DNA - from Ken Biegeleisen.

It is a pleasure to share this RINGING DNA material - thanks to Ken Biegeleisen - who has formalized and represented his paper here on TOROIDAL or CIRCULAR DNA (relating to the concept of 'Braiding' DNA) - with academic references.

Many misconceptions can be cured to the point of real self-empowerment by this kind of thinking:

Misconception ONE: I am going to get spiritual and cosmic and immortal (biologically sustainable) when divine force (the astrology of charge?) adds '12 strands' to my DNA.

More the Truth: IF you choose the hygiene to eat, and live in, and dance in, and HAVE BLISS in-- - LIFE FORCE and therefore CHARGE - THEN your DNA may absorb that charge by enveloping itself in the recursive braid which ENSOULS - (implodes). The addition of strands which appear to happen when you braid thread into string into rope, is because of braiding (the answer lies 'folded in an envelope' - see pics below).

Braiding your DNA is something you do and learn by choice - to absorb 'spin' (charge) - not something 'GOD' does for you. Only the strength of will growing in the sun-shine of shareable and embedable intent - is sustainable (and therefore able to be 'saved').

reference pictorial articles: braiding DNA , Decoding DNA, 1 Magnetic X in DNA, Superconducting DNA, Letter to the UN on Genetic Engineering as Coherence LOSS now Measureable. see soulinvitation.com/decode

Misconception TWO: The compression spin map called "Alphabet" on the side of the "LORD OF THE RING" - RING - is too powerful for anyone to hold.

More the Truth: **The 'RINGING' which causes thoughts / emotions to become objects is the implosive nature of DNA which when braided (into a 'ring' donut) recursively by BLISS compresses charge in the only process (charge compression) which turns light (ether) into matter. (and DNA into its real destiny as a gravity making star bender) .The index to those possible angles of (Golden Ratio) compression is precisely the equation for the origin of most alphabets of Earth - specifically including Hebrew and Arabic... for the specific reason that only those biological structures which USE that symmetry discipline (to symbolize is to embed / embed or die) get to be sustainable (immortal).**

animations: <http://spirals.etermite.com>

Misconception THREE: DNA controls our destiny.

More the Truth: DNA is a shapeshifting mag worm which merely bends itself as a wave around the fields we form by bending the magnetism we call emotion and sacred space. It is a relatively passive mechanical linkage device designed to helpfully slow down the rate at which emotions become objects- so that we FEEL and understand the connection between CREATION and what we just now felt. Once the need for slowing down that response of stars to feeling, no longer exists - then DNA is replaced by its own etheric essence (superluminal compression field) - and we can bend light by implosion directly (only love bends the light / embedding).

If we choose consistent spin-dense and sustainable magnetic environments - then DNA responds by adding that inertia to our life force - so that eventually we gather the inertia to properly create stars and become suns ourselves. Otherwise we die a death which is permanent. DNA is merely a biofeedback device to tell us when we have consciously chosen the CHARGE and LIFE FORCE - which makes us sustainable. Short-circuiting the function of DNA by changing the spin links we call codons mechanically is not only un-sustainable and destructive - but it fundamentally ignores the design of nature - which was that DNA help us take responsibility for the SHAPE OF MAGNETISM - and so learn that bending light into shape is how we too may create stars.

In other words - if DNA is not set free - as an intelligent shape shifting implosion worm - then it gets dizzy and unable to self- steer. (because it stops imploding) Freedom for DNA to make it's choices with respect is the key to freedom for humans! Hint: Do not eat angry DNA - monoculture makes DNA angry - your body makes mucous in defense. Wheat, most corn, and soy -are examples of DNA that contains mostly anger for this reason.

To REALLY understand DNA - we must understand what is the ENERGY PSYCHOLOGY which TURNS IT INSIDE OUT! That is the moment your DNA -becomes self knowing - and YOU become LORD OF THE RING! ---- over>

When your DNA Rings.. Answer the phone..

What say we make an ALPHABET of the angles of charge compression necessary to weld that elusive slinky DNA finally into a DONUT--- a RING!!! That way, it could finish the process of compressing charge (all biological memory) into the 'self-similar rose' fractal flower of recursion. This would non-destructively (by PHI 'heterodyning' - constructive ADDING of wave VELOCITIES) - ACCELERATE your biological memory THRU THE SPEED OF LIGHT .. (& make gravity in the process - why you lose 10 oz. or so at the instant of death?)

Your DNA is intensely aware that it is fatal (mortal) to be caught below the speed of light. In order

to avoid this embarrassing end to sustainability - your genes (being considerably smarter than you) are constantly trying to get up to speed (sustainable). They do this at moments when they have peak harmonic inclusive charge density available. Their raw material for getting thru the speed of light is the coherent ultraviolet light which is the ultimate product of cell metabolism (the most information dense stuff which comes out in a measureable burst- to choreograph / arrange the dance of cell replicating for example - microtubules as wave guides - also a key to the switch from cancer to bliss.)

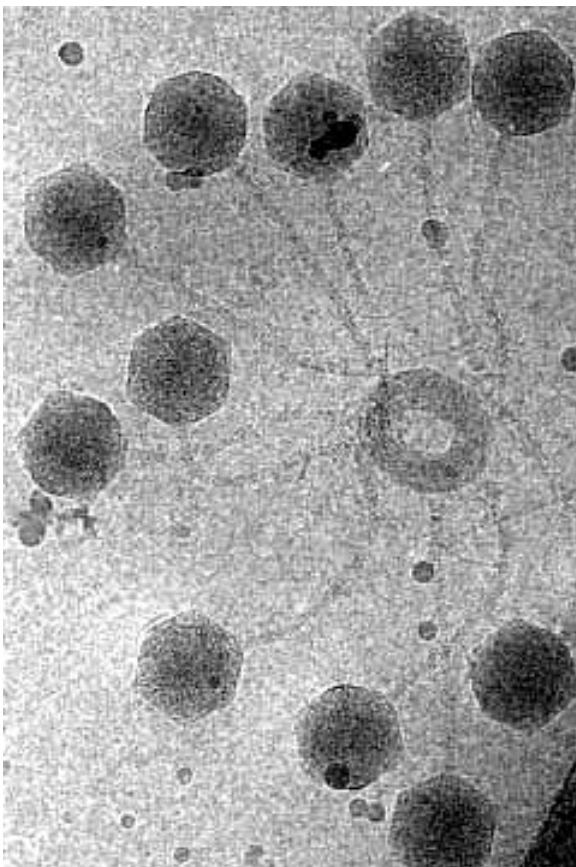
The glossary in back is helpful here

Make your "COCOON": "If this is foreplay- you're in trouble" - When the enveloping particularly of the high quality Ultraviolet Light - reaches a particular threshold and escape velocity - that COCOON becomes navigable / steerable. This is the BLUE FIRE you see during good sex, tantra, kundalini, menopause, and BLISS. IT IS NOT A DISEASE.. it is rather your only hope to survive.

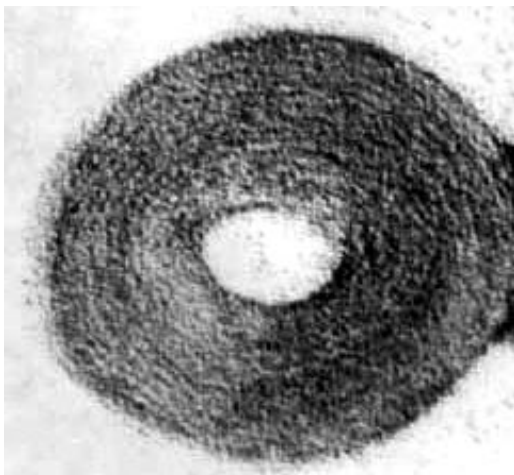
Meanwhile - if you are emoting blissfully - your glands are making COHERENT lo frequencies of sound energy (called phonon in the body - as a sound wave thru liquid). These are the waves which HeartTuner (heartcoherence.com) takes the frequency signature of to MEASURE - COHERENCE, PASSION - and the moment of phase lock - EMPATHY to the one you heal or love.

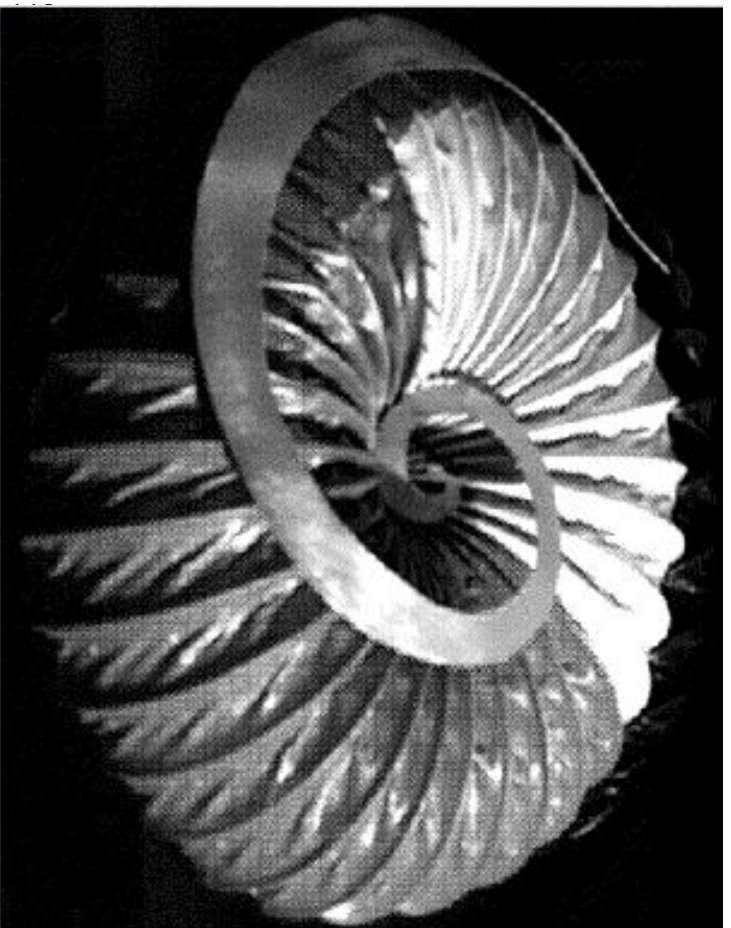
When those low frequency sound waves become ordered or COHERENT like a laser - then they can form orderly wave column like ENVELOPES which become steering "WAVE GUIDES" for much higher microwave and optical (light) frequencies. The skill to arrange these long wave STILL POINTS of both sonic energy and capacitive charge - is called STEERING YOUR CHI - in Tai Chi.

The DNA ultimately FOLDS ITSELF forging a RING DONUT.. in order to get the compression angles correct to cause the light ACCELERATION!



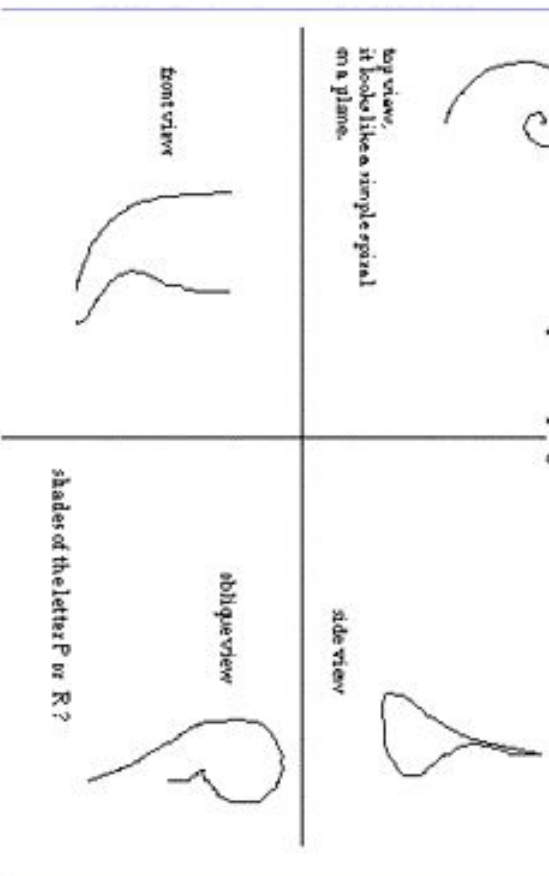
<http://www.aip.org/pt/vol-53/iss-9/captions/p38cap1a.html>
<http://www.aip.org/pt/vol-53/iss-9/captions/p38cap1b.html>



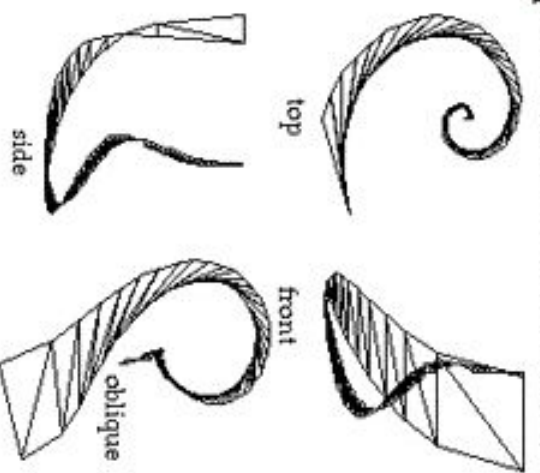


Notice how views of this sample spiral off the donut seem like pieces of the alpha bet?

Spiral of the Golden Mean laid upon or sampling the donut..

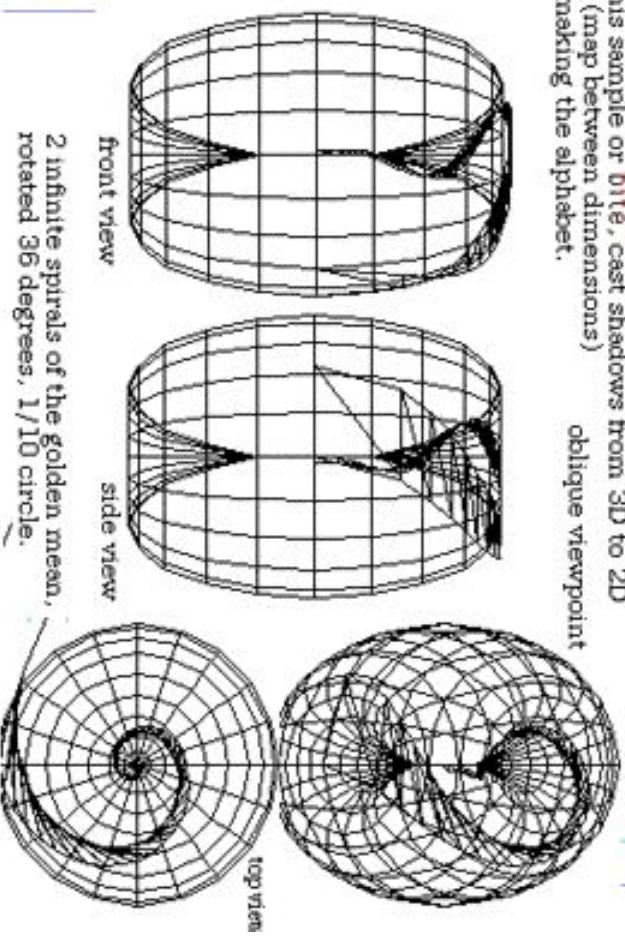


Revolving that golden mean spiral 1/10 circle, upon the donut creates a 3D "flame letter" strip.



Now, having had this spiral on the donut, we seem to have a good handle on how this donut does. Notice how this donut is like "Adm n s" apple.

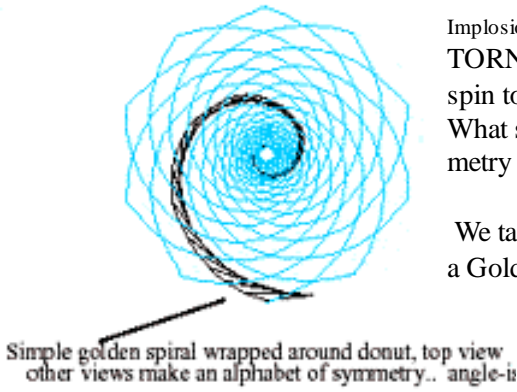
4 Simultaneous Views or faces or phases of Adams primal apple or donut torus domain. This sample or bite, cast shadows from 3D to 2D (map between dimensions) making the alphabet.



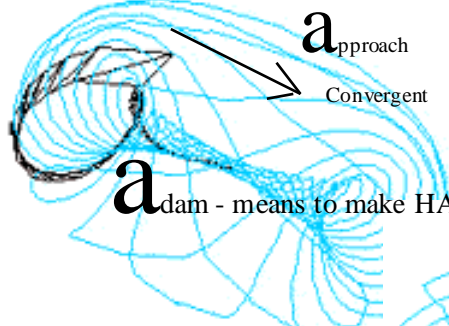
2 infinite spirals of the golden mean, rotated 36 degrees, 1/10 circle.

Implosion Group reprints Dan Winter work- more detail: <http://spirals.eternite.com>
TORNADO (Wormhole) approaches: Quick- what PATH will allow your spin to enter / inhabit / own / embed / and steer it?? lest you die.
What simple wave hydrodynamics self-organize when they store the symmetry essence map to compression and embedding (origin of symb)?

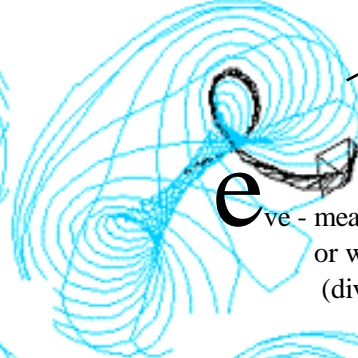
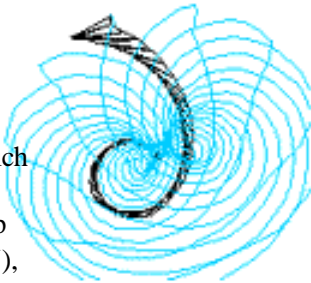
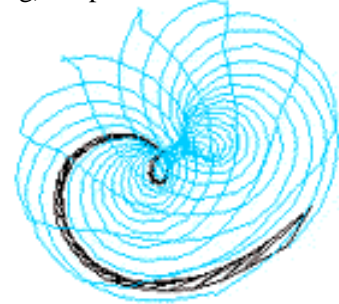
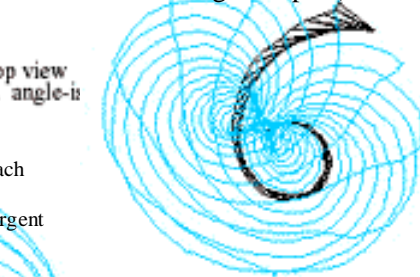
We take the accurate (& self organizing) Golden Mean spiral, and map it on a Golden Ratio high simple (self-organizing) shape of all field effects.



Simple golden spiral wrapped around donut, top view other views make an alphabet of symmetry.. angle-i



a_{approach}
Convergent
a_{dam} - means to make HARD or RED (converge- yang - to pack -or make a seed)



e_{merge Divergent}

e_{ve} - means touch-making or wet making power. (diverge - yin)

This turns out to be the 7 color moebius strip on the donut - in which all color regions touch each other - This also forms the heart of the slip knot which Phires hydrogen (ANU), the human heart, and the heart of the Sun.

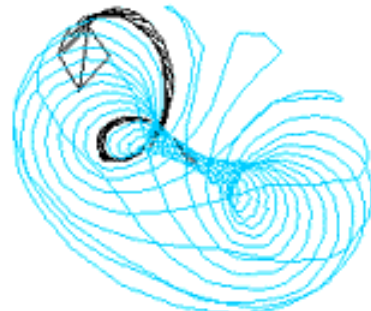
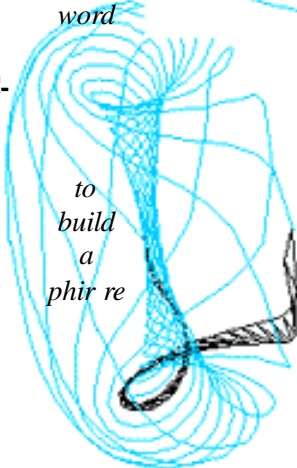
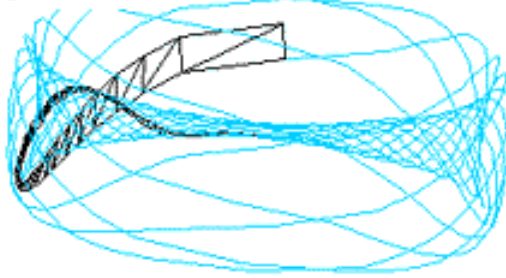
The arrows thru -co-define the 7 symmetry axes of the tetrahedron - which projected on Flatland - form the Labyrinth - Kinesthetic recording of the WAY to turn inside out in 3D (become self-aware)- shadowed on the 2D wall of the cave.

We walk around that spiral strip - element of Phi-re, on Adam's Apple - and consume perspective.

Creating SYMBOL (embedding) is to record that shadow of the entry path into CONStructive compression. Alphabets are the index the various tilt angles of this magnetic domain - which could CONSTRUCTIVELY NEST into each other. These angles of tilt which permit chemical bonding of those field effects - form the ALPHABET of symmetry - simple as ABC ... of Permission to Touch..

to make a word

to build a phir re



This is the essential symmetry dynamic sometimes called Quantum Mechanics.

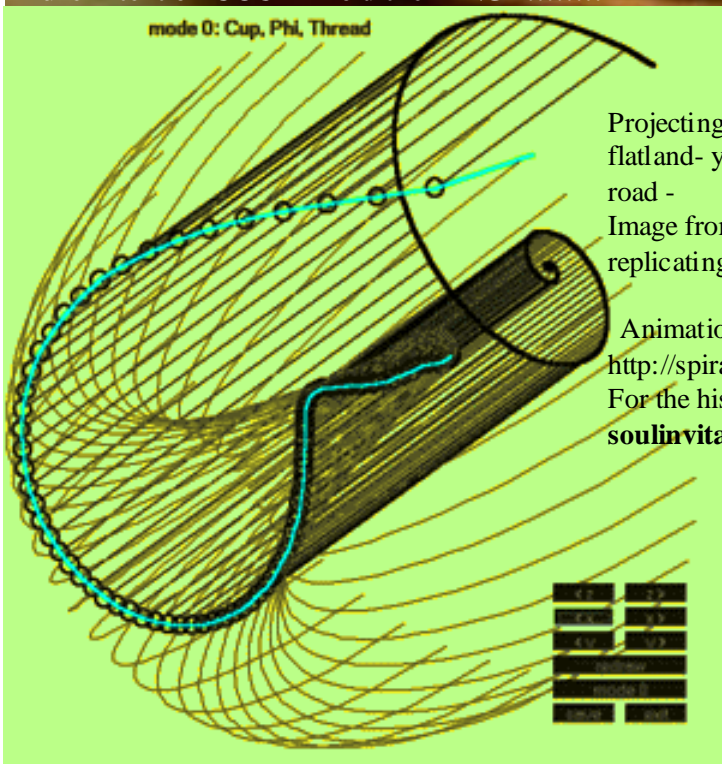
**Wielding the MAGical SYMBOLIC Letters of PHirey symmetry -
 forged the gene into a RING..
 The power from the RING**

**to Implode and Accelerate
 the Radiance / Blessing of Biological CHARGE - FUSED the informa-
 tion at the 'holy communion' fractal coeur uniting ALL DNA.
 Only the SHARE-ABLE (Able to Embed) Survived.
 Pure Intention COULD hold the RING !!!!!!!**

The actual letters Tolkien used to write Lord of the Ring - were supposedly derived from Finnish. This was one of the major destinations of the Draco ancestors Sumerian Annunaki - (roots of H-Ibi Uru, and Arabic letters- see). They had codified the angles of magnetism spin vortex into a software environment for programming DNA. Specifically - there were only certain symmetry angles at which you could add charge compression to the torsional slinky of genes. (see pic below).

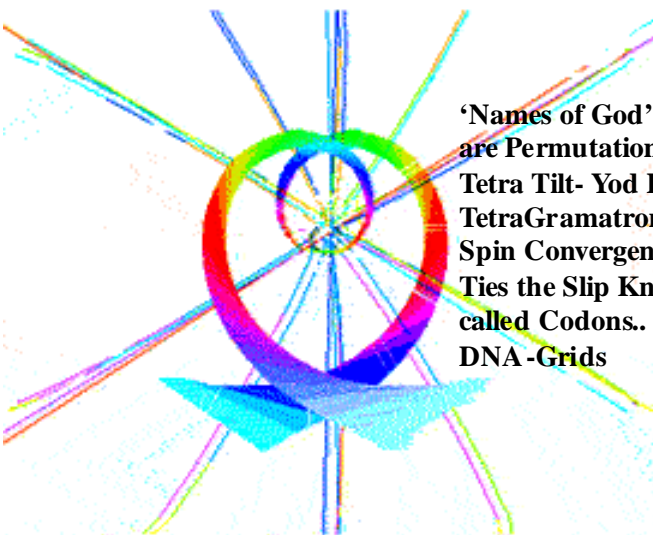
The spiral map "element of flame" projected shadow of spin compression - when seen from the symmetry faces of the Tetrahedron - are Hebrew(H'Ibi-Uru) alphabet.

Those tilt views were the machine code software environment of the central hive computer ASHTAR. They were the only world known to Enlil (Yalweh) - whose use of them on DNA produced only - a Tetrahelix - Golem - No soul.

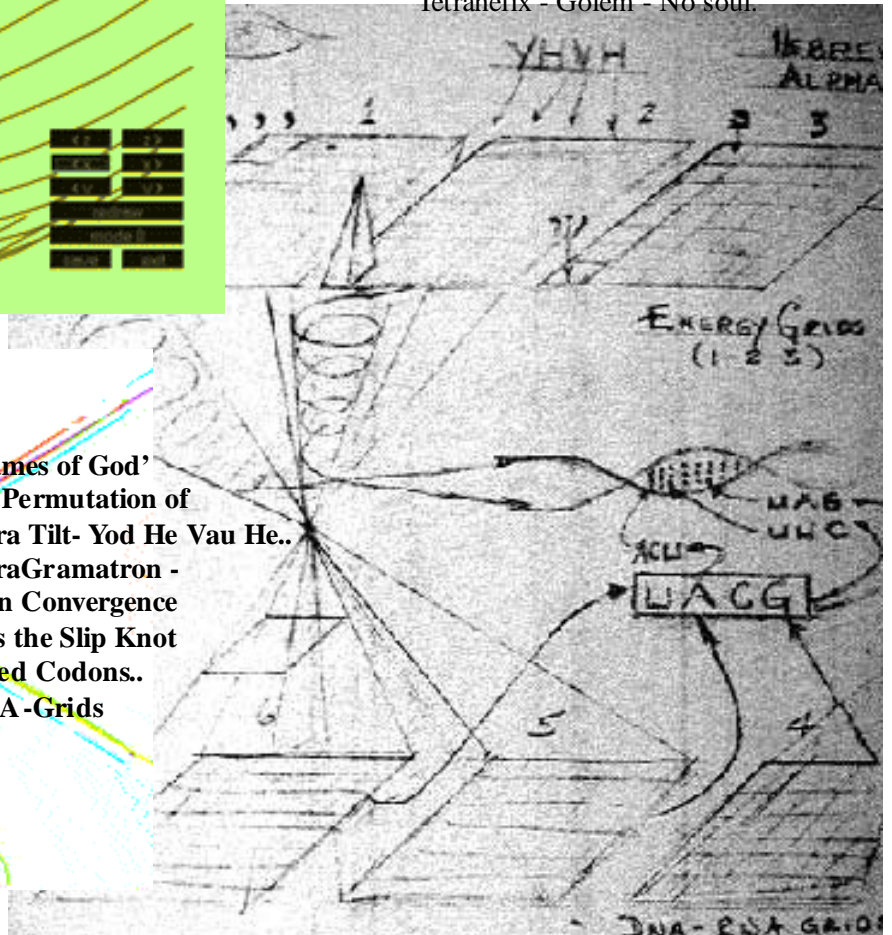


Projecting the spiral from flatland- yellow brick road - Image from Ted Small - replicating Dan' work.

Animations & detail at: <http://spirals.eternite.com>
 For the history: soulinvitation.com/enki



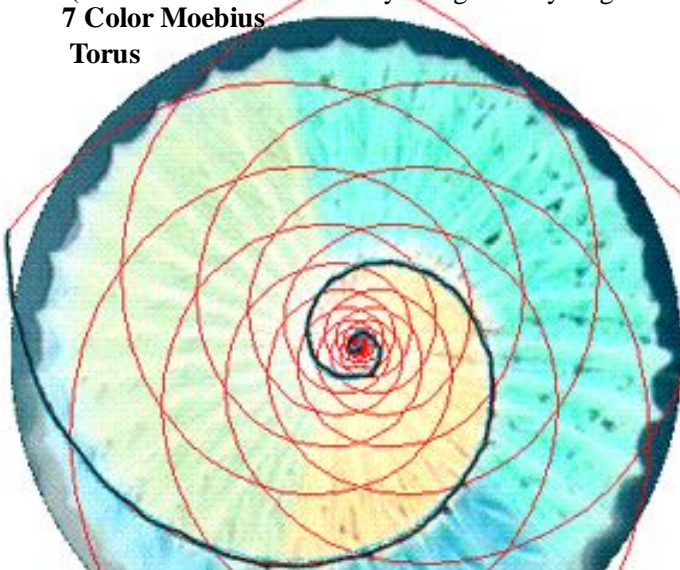
**'Names of God'
 are Permutation of
 Tetra Tilt- Yod He Vau He..
 TetraGramatron -
 Spin Convergence
 Ties the Slip Knot
 called Codons..
 DNA-Grids**



The next couple pages offer the academic detail - on TOROIDAL - or RING - or CIRCULAR - DNA (for those who wish to study this geometry of genetics further)

7 Color Moebius

Torus



Above Here- How the Spiral Compresses Charge into GENES by Getting the ANGLE RIGHT.. This is a TOP DOWN VIEW OF DNA & the Spiral on Donut which made Alphabets.

Supercoiling DNA excerpt from

<http://www.uovs.ac.za/faculties/nat/mkboc/biochem/Super.htm>

Supercoiling simply means coiling of a coil. Supercoiling and topology, although perhaps at first glance abstract mathematical concepts, have very relevant application in molecular biology. The DNA molecule is subject to topological constraints, and these have very real effects on the function of DNA. Negative supercoiling can stabilise secondary DNA structures such as hairpin loops, cruciforms, and also facilitate the formation of a melted region in the transition of a transcriptional pre-initiation complex (PIC) to an elongating complex. Also, the DNA in both pro- and eukaryotes are naturally negatively supercoiled. In prokaryotes this is due to the action of gyrases (these are enzymes like topoisomerases, but induce supercoiling in an ATP-dependent manner). In eukaryotes, the packaging of DNA into chromatin causes the DNA template (after removal of proteins) to be supercoiled. In addition, the passage of the RNA polymerase along the DNA molecule generates a twin supercoiled domain. The region behind the polymerase is negatively supercoiled, and the region in front of the polymerase is positively supercoiled. This superhelical stress is normally relaxed by topoisomerases. In yeast, there are two types: topoisomerase I (topo I) and topoisomerase II (topo II). Topo I induces a single strand nick, and will relax the DNA molecule in units of 1. Topo II, predictably, cuts both strands, and changes the superhelicity by units of 2. These enzymes appear to be required for normal DNA function, and are involved in the relaxing of superhelical stress that accumulates during transcription and replication of DNA. Thus, it is clear that an understanding of many of the processes that can influence DNA function, requires some understanding of supercoiling.

Classic Linking Theory (CLT)

The essential concept that is used in a theoretical study of supercoiling is the ribbon. The ribbon has two sides (which can represent the phosphodiester backbones of the DNA duplex), and it has an axis, equidistant from the ribbon edges, equivalent to the helix axis. There are three parameters that are important when considering supercoiling: the linking number (Lk), the twist (Tw) and the writhing (Wr). The Lk and Tw is a function of the edge of the ribbon, and has no meaning for a one-dimensional line, such as an axis. The Wr, on the other hand, is a function of the ribbon (or helix) axis, and describes the shape of the axis in space.

#DNA is NOT a "Double Helix"##

#By Ken Biegeleisen#, New York, N.Y.

Readers of the Dan Winter web site are accustomed to various speculations about the physical, mathematical and spiritual significance of the world-famous Watson-Crick "double-helix" structure of DNA, and it is therefore with some trepidation that I "rain on the parade", by showing why the double-helical structure-pretty picture that it is-is nevertheless probably not #the structure of DNA in any living organism.#

The primary "business" of DNA is replication. DNA carries the "codes" for the structural proteins and enzymes which give an organism its characteristics, and these codes must be passed from generation to generation.

What exactly gets passed? The codes consist of sequences of nitrogenous bases: adenine, thymine, cytosine and guanine, usually just abbreviated A#, #T#, #C#, and #G. These 4 "letters" are the "alphabet" of genetics, much akin to the binary code which lies at the root of all computer language. Just as a computer ultimately "spells" every program with just two numbers ("0" and "1"), likewise, the code for every structural protein and gene in the human body is "spelled" with an alphabet of only 4 bases in various combinations:# #A#, #T#, #C#, and #G#.#

A "gene" is therefore a linear string of bases, like a string of pearls. The bases are held together by a backbone made of sugar and phosphate. In order for the cell to execute the so-called "genetic code", it employs an extraordinary system which reads the strings of bases, and converts the information into corresponding strings of amino acids, which are the building blocks of protein. The fact that a string of bases in DNA codes for a corresponding string of amino acids in protein is sometimes called the "Central Dogma of Molecular Biology" (G-d help us! -- Is this really #what we need in the post-Copemican world?).#

So much for the genetics. The manner in which the bases are organized on the sugar-phosphate backbone was deduced by Watson & Crick in 1953, and, regardless of what modifications are made to their structure, this deduction will remain as one of the towering milestones in the history of science, as long as science is practiced in the world.

The manner in which the entire DNA molecule is organized, however, is another question altogether. It makes no difference to genetics whether DNA is a right-handed helix, a left-handed helix, or not-a-helix at all. Genetics simply requires that there be a string of bases, the "alphabet" if you will. Whether the sugar-phosphate backbone to which the bases are attached is twisted or not is totally irrelevant.

If this is the case, why then do scientists think that DNA is twisted?

The original structural studies of DNA were done by Maurice Wilkins, who shared the Nobel Prize with Watson & Crick (Rosalind Franklin, who actually did most of the work attributed to Wilkins, was neglected, and is now a major historical figure in the fight for women's equality). Wilkins and Franklin

did what's called "x-ray crystallography". This means they took pure DNA and turned it into crystals, then took x-ray pictures of the crystals.

To make crystals, totally pure DNA is required. DNA solutions are gooey, and when a glass rod is dipped into DNA and raised up in the air, the sticky liquid is drawn into a thin thread. If the thread is drawn thin enough, it will dry out and crystallize, and a picture of the crystal can be taken with x-rays. The picture looks sort of like a snowflake. Within this very intriguing geometric pattern lies hidden information about the structure of the crystal. This information must be pulled out by mathematics. The formulae involved are difficult in the extreme, and in the old days, people who actually did the math (called "**Fourier Transformation**") were held somewhat in awe by other scientists. Nowadays, however, all the mathematical "leg work" is done by computers, and the process has been largely de-mystified.

The picture of DNA which emerged from the Wilkins x-ray studies was the double-helix, and very few people, including disagreeable people like myself, have ever had any reason to doubt that the structure of DNA in artificial crystals is a right-handed double-helix. But is that the structure of DNA in cells? Who can say?

Humans, insofar as our cell type is concerned, are eukaryotes, meaning that our cells are of the type referred to as "higher cells". The "lower cells" are called prokaryotes, and include, for example, bacteria.

Now, humans are not the only eukaryotes. All "higher life forms", both animal and vegetable, are eukaryotes. This means all plants, even including some unicellular plants such as mold and yeast, and all animals, even including some unicellular life forms such as paramecium or amoeba.

It is a known fact that the DNA of all eukaryotic cells is invariably bound to proteins, called histones. Here's an interesting fact for you to contemplate: The histones are exactly the same in all "higher" life forms. That means that the histones of human cells are the same as the histones of the pea plant and the amoeba. Doesn't this mean that histones are critically involved in chromosome structure? Of course it does. There's no such thing as "pure" DNA in cells! In the real world, in life, all DNA is bound to protein. There are no exceptions to this rule.

The structure of pure DNA is said to be known down to the angstrom level, and if you don't know what an angstrom is, let me tell you that it's very, very small. In other words, the structure of DNA is known down to the minutest detail.

Also, the amino acid sequences of the histones are long-since determined.

But the structure of the DNA-histone complex, called chromatin, is not known. Does this strike you as odd? It certainly strikes me as odd. After all these years, with all the importance attached to gene engineering, even after completion of the "Genome Project", the structure of human chromatin remains unknown? Incredible!

Might it be that the histones simply can't be made to fit on a "double-helix" because the "double-helix" is not the structure of DNA in cells?

#Twisted DNA in Replicating Cells: What's Wrong With This Picture?#

As we started to say above, the primary "business" of DNA is replication. In E.coli, a common bacterium, the replication cycle can be as short as 20 minutes. This is called the "log phase" of growth, because the number of bacteria in the culture doubles every 20 minutes, giving rise to a logarithmic increase in the bacterial count.

In the log phase, the daughter cells actually begin to split into two before they have finished separating from one another! Now, that's fast!

In 1963, an Australian researcher named John Cairns took a picture of the E. coli chromosome which found its way into every textbook of that period. The picture was called an "autoradiograph", meaning that E. coli bacteria were grown on a radioactive medium, and the cells were killed and split open over a photographic plate.



A



B

That plate was put in a dark room for a few months, at the end of which the tiny quantity of radiation in the chromosomes gave rise to pictures. These pictures were examined under the electron microscope.

What was the structure of the E. coli chromosome which was revealed by these autoradiographs? It was circular.

Subsequent to Cairns' great discovery, it was found that nearly all the DNA which can be isolated as a single intact chromosome is also circular. This includes all bacterial DNA which has been examined, all plasmid DNA from within eukaryotic cells, and most viral DNA.

Hmmm... that's interesting. How does a circular chromosome replicate?

The two strands of a circular double-helix are LOCKED TOGETHER. If you can't imagine that clearly, I'll show you a picture:

<

Figure A# above shows a "classic" right-handed circular double-helix (B# shows a "superhelix", which we won't have time to discuss just now).

If you can't clearly envision the linkage (called "topological linkage")

between the two strands in Figure A, then please think of the links of a chain. Are the links of a chain locked together? Of course they are.

How is a chain made? You can make a short 2-link chain as follows: First you take a metal rod, and close it in a circle. Then you take a second rod, pass it through the circle, wrap it around once, and close it into a second circle. Are the two links of this chain locked together? Most assuredly.

To make DNA you take one single-stranded circle of DNA, pass a straight rod of DNA through it, and wrap it around, not once but thousands of times, then seal it shut. Are the two strands locked together? You'd best believe they are. See again Figure A above.

So, if the business of DNA is replication, and if the strands must separate at replication time, and if they are indeed locked together, then how do they separate when the cell divides? Good question!

Shortly after Cairns' great discovery of circular DNA, a major DNA structural symposium was held at Cold Spring Harbor, the "Mecca" of molecular biology. The subject of DNA replication, in the light of the recent discovery of circular DNA, was indeed featured. How prominently was it featured? Not very prominently. It was briefly mentioned in one paper, are largely glossed over.

According to the scientists at the Cold Spring Harbor Symposium, how did the strands of DNA get apart during replication? The answer they gave was a "swivel". What's a "swivel"? It's a hypothetical point, somewhat comparable to an automobile universal joint, around which the strands of DNA can untwist and re-twist during the process of unwinding of all those thousands of twists, and the re-winding of the twists back in the next generation.

The swivel was thought of as an enzyme which inserted itself into the chromosome, breaking it open, and "holding on" to the DNA strands as they whirled about, trying to unwind.

What's wrong with this picture? First of all, there was no "swivel" known! It was just a guess. What about the possibility that the hypothetical "swivel" was not needed, because DNA did not have the Watson-Crick structure in living systems, but rather some alternative un-twisted structure whose strands were free to separate at will? That possibility was not even mentioned. It had evidently been determined that, even at that early date, the "double-helix" was a "sacred cow", and could not be criticized. Therefore (or so the false logic went), since DNA had to be a double-helix, and since the strands had to separate during replication, there must have been a "swivel".

What had actually happened is quite clear in retrospect. Copernicus reduced man's arrogance by removing us from the center of the universe, and placing us in a measly little planet which revolved around one of billions of stars. The "double-helix", however, put us back, squarely in the center of the universe, since we would now "create life", and become "gods". What nonsense!

But the idea was compelling to many. It was compelling enough that, for the last 40 years, almost everyone who has criticized the "double-helix" has been miserably maltreated, and rejected from the mainstream of science.

It was quickly determined, after the announcement of the mythological "swivel", that the E. coli chromosome would have to be spinning at 6,000 rpm every minute of its life if it was to unwind all those twists every 20 minutes. This is too ludicrous for words. The E. coli chromosome is something like a millimeter long when stretched out, which is an immense length of DNA to stuff into a cell so small you can't even see it without a microscope. The very idea that all this DNA is whirling like an airplane propeller at 6,000 rpm is a joke.

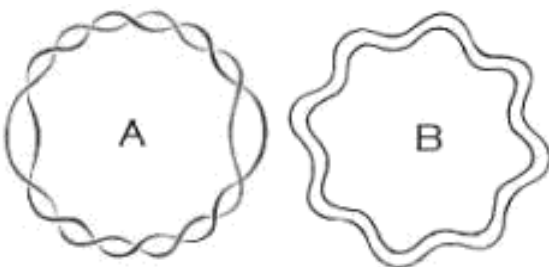
"No problem". The helicists simply informed us that DNA only replicates a little bit at a time, so that only one small portion of the chromosome is actually spinning at any given moment. What evidence was there that DNA replicated this way? None. It was proposed, without evidence, to save the "swivel", which itself was proposed, without evidence, to save the "double helix". This is not science.

In 1976, an Australian researcher named Gordon Rodley, fed up with the obvious shenanigans going on with DNA, published an alternative structure, which is probably the correct one. In the Rodley structure, called the "side-by-side" structure (usually just called "SBS"), the two strands of DNA lie parallel to one another, undulating a bit to the right, then

a bit to the left, but never making a whole twist. Here's a very over-simplified schematic of SBS, alongside another, less likely structure; both being examples of DNA structures in which the strands are not locked together:

#

Figure A shows a totally hypothetical DNA structure which is "topologically equivalent" to the SBS structure, but in which the entire top half of the chromosome is a right-handed helix, and the



entire bottom half is a left-handed helix. This model can be made instantly from two rubber bands by simply twisting them together. If you allow your rubber band model to "replicate", the two "strands" will separate as soon as you let go of them, because, topologically speaking, there were never really twisted together in the first place (every RH twist on top is canceled-out by a LH twist on the bottom). This structure, however, is highly unlikely to be found in nature. Figure B# shows the SBS structure, which is# very likely to be found in nature, including in your own cells. What this drawing attempts to show is that the helix twists alternately a little to the right, then the left, etc., throughout the chromosome. As in Figure A, the net number of twists is actually 0. At replication time, the strands fall apart without having to untwist, because, topologically speaking, there really weren't any twists in the first place.

Rodley's structure (Figure B above) was published in the Proceedings of the National Academy of Science, one of the world's most rigorously peer-reviewed journals. How this got past the editors I'll never know, since Rodley remains, to this day, the only author whose work in this needlessly-controversial area has been accepted without a fight.

In 1978, Prof. Robert Chambers, the chairman of the biochemistry department at New York University School of Medicine, discovered by accident that the separated single-strands of the circular chromosome of the virus "phiX174" can spontaneously re-combine to give normal double-stranded circular DNA. This would be impossible if normal double-stranded circular DNA was a helix, because that would have required something like this:



In this drawing, a single-stranded circle is depicted as (1) being broken open, (2) wrapping itself around an intact circle, and (3) sealing itself shut again. The breaking open in step (1) is not a problem, because DNA can certainly break. The wrapping around the other strand in step (2) is not a problem because DNA is known to do that. But the sealing of the broken strand shut in step (3) is a BIG#

problem, because that requires a sealing enzyme, and no such enzyme was present in Prof. Chambers' single-stranded circular DNA preparation.#

Is there another way to explain this data? Of course, but you have to be willing to believe that DNA is not a helix. It goes like this:



Here, the two circles are being shown simply coming together to form un-twisted double-stranded DNA. (Actually, it would be slightly twisted, but only as per the SBS structure two figures above this one).

Why has this simple concept been resisted so strongly? Because it was also discovered, not long after the discovery of circular DNA itself, that the two strands of circular DNA, when "melted", do not separate, which they ought to do if they are not locked together.

"Melting" doesn't mean literal melting, as when you heat butter in a frying pan. It means subjecting the DNA to conditions which promote strand separation. The first "melting" experiments were on fragmented linear DNA, and the procedure employed was simple boiling. At the temperature of boiling water, the double-stranded structure broke down, releasing single-stranded linear DNA. If the solutions were cooled slowly, the double-stranded form would, however, re-appear.

On the other hand, when circular# DNA is boiled the strands #do not separate. Moreover, at pH 13 (very, alkaline, like lye), where normal double-stranded DNA structure is impossible to maintain, the strands of circular DNA still do not separate! What's wrong?

I began working on this problem in the early 1970's. It took me years to solve the whole puzzle. In 1974 I submitted my first theoretical article on the subject to the Journal of Molecular Biology, which rudely rejected it. It took 28 years to get this article into a peer-reviewed scientific journal, but it was finally published a few months ago, in the Bulletin of Mathematical Biology (Biegeleisen, K. Topologically Non-linked Circular Duplex DNA, #Bull Math Biol 64#:589-609, May 2002).

The content of the article is a bit too long and drawn-out for the present discussion. Suffice it to say that the explanation for the well-documented fact that the strands of circular DNA do not separate under "melting" conditions is that the circularization of the DNA imparts novel and unexpected topological properties to the chromosome; #properties which cause it to behave markedly differently from linear DNA under the same circumstances.#

In particular, at high pH, where the single-strands of linear DNA fall apart, the single strands of circular DNA remain associated in a new, multi-strand, alkali-stable complex. The structure for this complex is similar to the structure originally proposed for all DNA by Linus Pauling, just months before the famous paper by Watson & Crick hit the press. Pauling, in his day, was considered to be the world's greatest living authority on the chemical bond, and the odds-makers had picked him to win the "race" to determine the structure of DNA. He considered a triple or quadruple helix with the phosphate groups pointing inward to be the most logical structure for DNA, based on the chemistry only (i.e., #without reference to genetically-specific base-pairing, which had not yet been discovered).#

When Watson & Crick published the "double helix", it looked as if Pauling had "lost the race". Now, however, almost exactly 50 years later, we can see that maybe he didn't lost it entirely.

If circular duplex DNA really has the SBS structure, or one similar to it, then it ought to be possible to separate the component single-stranded circles, without breaking either one open. This was not accomplished for many years.

Proof that the strands of circular DNA can indeed be separated was finally published in 1996, by a brilliant researcher named Tai Te Wu, with the help of his son (Wu R. and T.T. Wu, 1996. A novel intact circular dsDNA supercoil. Bull Math Biol, 58#(6):1171-1185).#

Wu's innovation was to isolate double-stranded chromosomal DNA from a plasmid under conditions where a great deal of a substance called "RNA" was bound to only one of the two strands of the DNA chromosome. The bound RNA changed the physical characteristics of the strand it was bound to, so that Wu was able to separate the two chromosomal strands by prolonged gel electrophoresis (a procedure in which DNA's of different physical characteristics can be separated into distinct bands in a jello-like substance to which an electric current has been applied). Wu repeated the work with a second plasmid which had the two strands marked by the intentional insertion of marker sequences by genetic engineering, and proved, unequivocally, that the two bands in the gel were indeed the two single-strands of the original plasmid chromosome, respectively.

The conclusion is that DNA is not a helix, and it's really been apparent all along to many people. The failure of the two strands of circular DNA to separate under "melting" conditions made it possible for the scientific community to evade this obvious conclusion for many years, but the days of the "double-helix" as the presumed structure of DNA in living system are, in all probability, numbered.

Topologically non-linked DNA , Ken Biegeleisen, M.D., Ph.D. NY - Email: biegel@VeinDoctorNY.com

Abstract

The discovery of circular DNA, over 30 years ago, introduced an element of uneasiness in what had been, up to that point, the almost picture-perfect story of the elucidation of the molecular biology of heredity. If DNA indeed has the Watson-Crick right-handed helical secondary structure, then in circular DNA, thousands, or perhaps even millions of twists must be removed in each generation, and re-wound in the next generation.

Although enzyme systems adequate for this task have long since been found and characterized, there have nevertheless arisen a number of proposals for alternative DNA structures in which the strands are topologically non-linked, so that they might separate during replication without having to be unwound. These structures have generally been put forth as theory only, and have been largely unaccompanied by experimental evidence to support their applicability to native DNA from living systems.

Recently, however, a report has emerged suggesting that it might be possible to separate, intact, the individual single-stranded circular half-chromosomes which constitute the double-stranded circular chromosomes of certain plasmids. This would not be possible unless the chromosomes had one of the alternative, topologically non-linked structures.

It is widely believed that after a half-century of worldwide DNA research, any significant change to the Watson-Crick structure is unlikely to stand up to scrutiny. Nevertheless, the present author has found that in many instances in which the behavior of circular duplex DNA is considered to be explicable only in terms of the topologically-linked helical model, it is also possible to explain that same behavior in terms of a topologically non-linked model. It is necessary, in these instances, to make certain logical assumptions which cannot be conclusively proven at the present time.

The author herein offers an example of one such instance, namely an examination of the behavior of circular duplex DNA in an alkaline titration experiment, where conformational changes in DNA are deduced from changes in its buoyant density at pH's between 7 and 14. These data have been explained in terms of topological linkage between the DNA strands, but they can also be explained without invoking any such topological linkage, provided that the above-mentioned logical assumptions can be accepted.

The principles which emerge from this are applicable to other settings in which knowledge of the topology of DNA is critical to the understanding of observed phenomena. *End of Ken Biegeleisen Paper on Circular DNA*

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Measurement: HeartTuner heartcoherence.com , Hygiene: section follows.

b.) **BLISS and the redemption of the IMMUNE System - Practical Emotional solutions to CANCER vs. AIDS ; Ref:** Is Embedding a Mathematical Opposite to Cancer as Wave Fractionation (soulinvitation.com/cancer)

c.) Science of BLISS becomes the **SCIENCE TO END ADDICTION AND ATTENTION DEFICIT**- Ref: ../TRANCEanDANCE-Biofeedback Harmonics as Bliss Making Solutions to Addiction and Attention Deficit - much of the discussion on this below - is excerpted from soulinvitation.com/rainbowserpent Magazine Article at the link: **POLITICS OF BLISS.**

The Great Grail -The Cup of Bliss- Kundalini and the deep biology of the 'BLISS' process:

If you looked deeply into bliss DNA (even semen) at the way the braid gets spin dense.. it would look like a fleece whose weaving was GOLDEN (ratio envelope to carrier etc..)

*Bliss is stabilized as charge is compressed to the point of self-organization acceleration - implosion. That problem in symmetry has a MUSICAL RECIPE - see the film - **Chain Reaction***

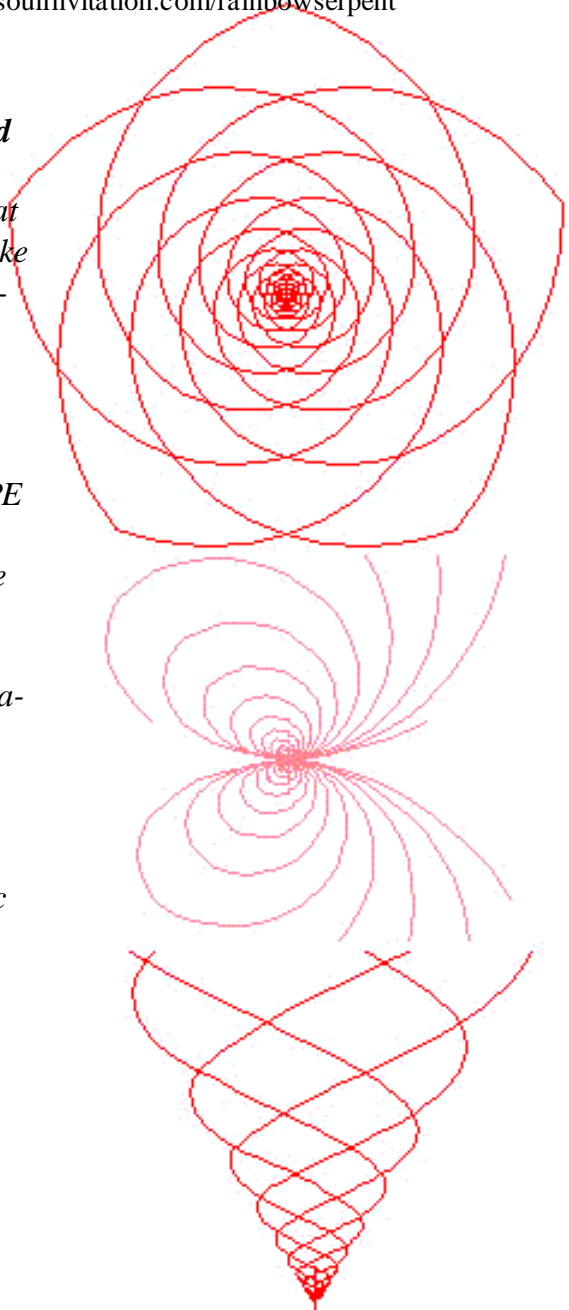
(Keanu Reeves) - where a musical sequence inspires the field hydrodynamics to get run-away fusion going.

*That musical recipe - measureable when any oscillator (like the EKG or the stock market) embeds into PHI harmonics - is a SYMMETRY SOLUTION ... called: **The Holy Grail..***

which is the ultimate shape of the dimpling donut braiding in DNA - when the heart makes that music (heartcoherence.com)

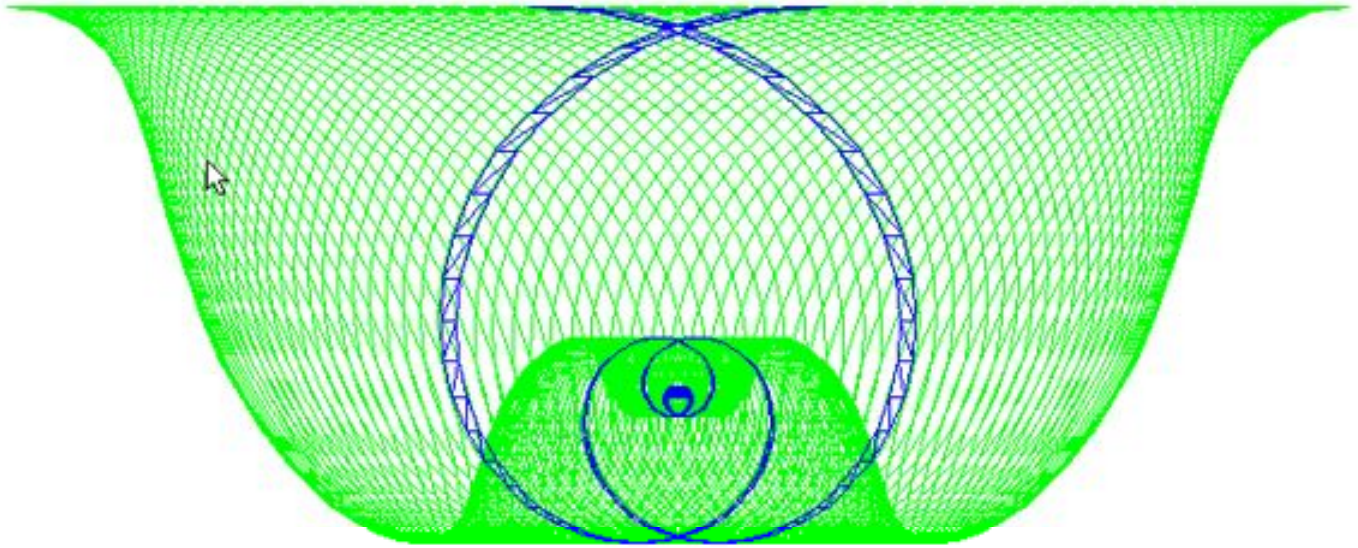
Our prelude to understanding
self-empowering bliss process..
is a Grail Quest!

The 'Fundamental Dynamic / Symmetry Essence
is InPhiKnit-ly SHAREABLE
- (Fractal - U B Quite Us)



History of the GREAT GRAIL- - it IS a cup

- It is a 'golden' fleece
- It is in the blood (perfect dna braid)



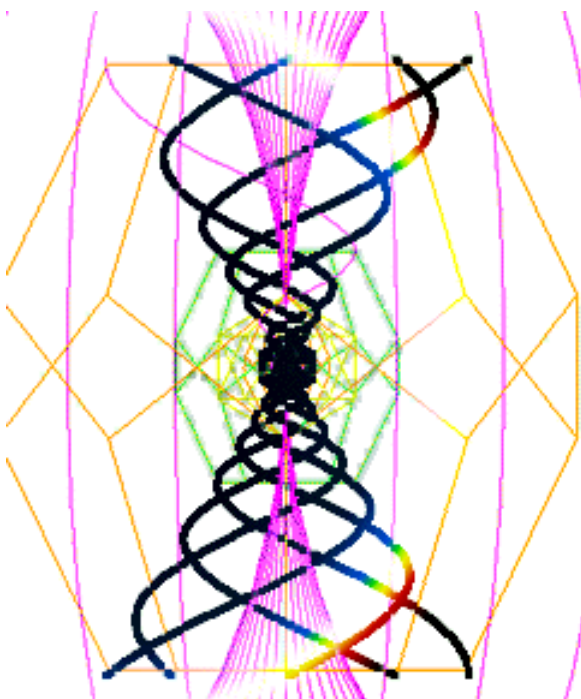
- It DOES result from pure intention.. **ELECTRICALLY & EMOTIONALLY THE SHAREABLE WAVE**
- It IS a siege perilous, and it is a tower or amygdala or djed or atlatal or sword of destiny: how the magnetic vector emerges non-destructively from rotation to propagation.. circle to line.. matter to energy .. sword from stone. Those who need secrets - cannot share perfectly (distribute COHERENTLY as wave) do not survive.

--

Golden Mean Spiral, perfect embedding wave shape of all Phyllotaxies, perfect branching, in 3D on the conic into concentric Dodeca pents within pents... and rotate revolve it to see the actual GRAIL! map to perfect embedding, compression, & compassion - as in DNA, Earth Grid & Zodiac .

This pattern of the electricity around the heart in 3D is GRAIL embedding-, when we learn the skill of choosing COMPASSION / compression - to become fractal/ to embed / to love - lo phi..

This is the spin path which light will see when it enters the dodeca DNA, when that DNA helix has been optimally braided into perfect nesting, by LOVE



(a "spin path to zero point")

the cup contains an inPHIknit amount of spin,
it never runs over,
it has no inside or outside,
it solves the problem of separateness..
it is the san graal, because it is the song in the blood,
because your ears ring with the magnetism of the land when the
arc of your torus and the land are.. one..

you can see in the cup, the feminine organs of reproduction...
egg more fractal than seed..
the sufi heart with wings..
and you can zoom in forever and always see the same thing

the heart of the matter.

This In-PHI-knitly constructive MAGNETIC WAVE INTER-
FERENCE perfectly describes at once the PRINCIPLE of:
perfect spin density,
perfect information density,

perfect recursion,
 perfect embedding,
 perfect implosion,
 perfect gravity ($G=C*\Phi^!$),
 perfect data compression,
 perfect connectivity,
 perfect symmetry,
 perfect damping,
 the perfect way to turn inside out (Labyrinth),
 perfect phase conjugation,
 the perfect magnetic monopole,
 the perfect scalar wave,
 the perfect "singularity",
 the perfect geometry of inflation, (Andrei Linde)
 the perfect superstring connector (black hole),
 the perfect geometry of bubble expansion,
 the perfect (& only way) a wave can re-enter itself non-destructively (self re-entry),
 the perfect Phyllotaxies (maximum exposure/minimum superposition),
 the perfect balance between equilibria/ between liquid/crystal,
 the perfect way to SORT anything (magnetic, liquid or gaseous),
 the perfect way to SCALE anything,
 the perfect way to SYMBOLIZE (or embed) anything
 the perfect way to get physical (PHI-cycle),
 the perfect (and only) SELF ORGANIZING PATH OUT OF CHAOS,
 the perfect (and only) SPIN PATH TO THE ZERO POINT,
 the perfect self-awareness,
 the perfect pining,
 the perfect intent,
 the perfect time wormhole (antennae geometry),
 the perfect HeartBeat harmonic signature for disease resistance (Irving Dardik, MD "Cycles Magazine"),
 the perfect Brainwave harmonic signature eliminating addiction & attention deficit (Wuttke Clinic),
 the perfect Planet Schumann harmonic signature eliminating climate chaos & atmosphere loss,
 the perfect DNA braid to make "soul".(spin memory to survive death),
 the perfect sharing,
 the perfect compassion and love,
 the perfect fractal,
 and...
 the perfect grail

(links to references for above principles - soulinvitation.com/grail.html)



Condensed extract
from an article by
Dan Winter, the
co-developer of the
Heart Tuner.

THE CUP OF BLISS:

The Politics of Bliss

Bliss is threatening to a culture because it is inherently addicting and contagious. Like atomic reactions, Bliss has a critical mass for groups. Whatever or, more particularly, whoever is perceived as the major source of Bliss activity will tend to be worshipped (often as a guru) or loved. This may result in the formation of a cult that is permissive and whose members behave in ways that appear "irrational" to the rest of the community.



*Frontispiece from
 "Politics of Bliss"
 Article about Dan Winter's work
 in Conscious Living
 Magazine, Perth
conscious-living.com.au
 With other articles
 - as part of the Review of
 Bliss Dynamics
 for Young People at:
soulinvitation.com/rainbowserpent*

Understanding the FACES OF BLISS / EUPHORIA / ENLIGHTENMENT..

Integrating the new scientific understanding of what bliss and peak experience is - into a revolution in the way we teach RAVE MUSIC and ADDENTION DEFICIT Neurofeedback .. Peak

**The musical recipe for bliss / and peak experience are well documented,
They are exactly based on Golden Mean ratios in harmonics because this produces compression / acceleration / fusion. - the ESSENCE of attention.
Using this information can revolutionize the way feedback and hygiene can teach self-empowering end to
Addiction - Attention Deficit Disorder - and BLISS PROCESS in general!**

The HeartTuner system is correctly designed to measure and make this teachable.

. Ref 1. Brainwave EEG nest in Golden Ratio during bliss / euphoria in Russian study., see - soulinvitation.com/brainphire Dr. Korotkov (famous for Gas Discharge Visualization Work, St.Petersburg, Russia - now is using HeartTuner systems) replicated EUPHORIA and BLISS conditions in the laboratory and consistently measured the RATIO BETWEEN BRAINWAVE HARMONICS (hz) to be .61 +- 10%, literally Golden Mean Ratio. This is exciting new evidence that non-destructive CASCADING TOWARD CHARGE COLLAPSE (attracting charge) IS INDEED THE MECHANISM OF PEAK EXPERIENCE / PEAK LEARNING / BLISS!

Ref 2. Former lead researcher for Monroe Insitute - Dr. Ed Wilson - showed that by feeding audio harmonics in Fibonacci cascades (1,2,3,5,8,13,21..) LEADING TO GOLDEN MEAN RATIO - interfering between opposite ears in headphones - he CONSISTENTLY GENERATED 'TRANSCENDANCE' in Brainwaves (32 channel EEG Lexicor mapping). Phi cascades made brainwave transcendence when the region of extreme brain COHERENCE was as the top center of the head. The OPPOSITE - Brainwave DISSOCIATION occurred when he fed interfering OCTAVE sound ratios between the same headphone ears. Dissociation was the area of coherence being opposite sides of the head (around each opposite ear).. instead of top centering.

Ref. 3. The Geometry of Pressure in Your TOUCH - Predicts the Harmonics of EMOTION IN MUSIC- & LOVE. The change in pressure over time in the TOUCH WAVE that says love - peaks at .61 GOLDEN RATIO into the duration of the touch or squeeze or embrace. Dan's analysis of the Sentic wave for love. (previous chapter).

Ref. 4. The musical key signature of the Heart EKG can be taught to EMBED - and BLISSFULLY attract LIFE FORCE GIVING CHARGE -- with a simple musical feedback environment: HeartTuner. In many thousands of tests- the EKG Heart musical frequency fundamental measured during states of OPEN-ness, EMPATHY, COMPASSION, or LOVE were invariably most stable at .62 (Golden Ratio). heartcoherence.com soulinvitation.com/embedability

Not only does this make bliss / euphoria and peak experience teachable as a science, but it reveals the powerful and gravity making nature of biological implosion as perfect compression - directly from the music of the heart. (pics below). (Links to implosion science in the alchemy article - bottom of heartcoherence.com/tunernews3)