

# Secrets of the Grid

## Earth and Mars Gravitation

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by Daniel Browning

*Earthspace Discovery Series*  
*Tripoint Path Publications, Sebastopol, California, USA*

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*Secrets of the Grid*  
*Earth and Mars Gravitation*

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FOR THE DOGS:  
DEE-OH-GEE (RIP), MAYA, AND GIDEON

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# **Earthspace Discovery Series**

## Series Introduction

This volume is a weird mix of things: funny math, alien leadership, seventeenth-century conspiracies.... Really, it's a collection of articles that touch on different aspects of the unconventional. Because the overall theme is the Earth Grid and is somewhat scientific, this is an *Earthspace Dimensions* volume.

The lesser theme of this volume is the planet Mars. More and more we hear about this little planet, and so perhaps a look at old science and new math can give us a better understanding of how Earth and Mars interact in time and space.

The *Earthspace Discovery Series* is an attempt to put the highest levels of understanding into readable volumes, so that a greater appreciation of the Earth and its unique place in the cosmos can be brought about.



## *The Spiral-Helix Game*

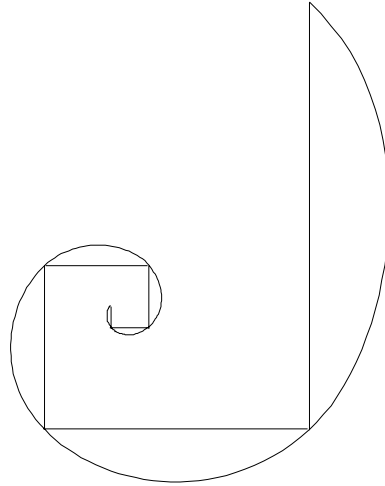
**A**s the Earth spins, its polar axis slowly rotates in a forward motion like the spinning of a toy top with a slight wobble. During the course of this polar axis wobble the Earth is aligned with each one of the zodiac constellations in turn, each over the course of about 2160 years. This period of 21 centuries is a World Age. During a World Age the Sun rises consistently with one sign of the zodiac at the dawn of the Vernal Equinox. During the course of a World Age the ring of zodiac constellations appears to slip backwards by one sign, so that the next World Age lines up with the preceding zodiac sign. We are currently moving from the sign of Pisces into the sign of Aquarius. Thus, the entire zodiac is traversed relative to the Sun in  $12 \times 2160$  years, or once every 25,920 years. This cyclical movement of the Earth relative to the Sun is called the precession of equinoxes.

Many authors have made a game out of presenting the concept of a spiral, or a helix, in abstract and even obtuse fashion, in the hopes that the reader will realize that the basic concepts being discussed apply to the dynamics of precession and black holes. One way a spiral is represented is through "sacred geometry." This is a sort of New Age hodge-podge based on the ancient school of Pythagoras, which uses geometry and epicycle series to create cosmic shapes. The best example of epicycle math works with the Golden Section based on phi, in which the whole is the sum of its parts. Phi is, to a few digits of significance, 1.618, and can be expressed as  $(\text{SQRT}(5) + 1) / 2$ , where SQRT is square root. A Golden Spiral can be drawn if we start with a side of length 1, and divide each successive side by phi while rotating it 90 degrees. A curve drawn through the result forms a spiral.

### 1 / 1.618 Series

1.0  
0.618  
0.382  
0.2361  
0.1459  
0.0902  
0.0557

Note that each entry of the list is the sum of the next two entries. The diagram of the spiral based on these first seven values is shown below:



Phi is a relatively obscure irrational number, eclipsed by the more versatile pi, but it has just as many amazing mathematical properties. The interested reader can look in any sacred geometry textbook (there are a few!) for more information. Smaller or larger values will tighten or loosen the winding of the spiral as shown above.

Another example of the spiral-helix is the formation of DNA, the very stuff of proteins, cells, and living matter. Bruce Cathie is an amateur physicist with some astounding ideas, and he thinks that:

From all the research I have done so far I have come to the conclusion that during the formation of matter the wave-forms from which physical substance is manifest move through spiraling paths of 371.2766 degree cycles. These cycles set up a resonating pulse which creates a harmonic reciprocal reaction to the unified equations governing our reality. (1)

So here Cathie has integrated spiral motion with the formation of matter itself! Cathie further relates:

Buckminster Fuller's geometric analysis of the DNA molecule (which is basically in accord with the Watson-Crick model) found that helical columns of tetrahedra (tetrahelix) nestle together in local clusters of five tetrahedra (ten make a helix cycle) around a transverse axis in a tetrahelix nestling column. But five tetrahedra, triple-bonded to one another around a common edge axis fall short of 360 degrees by 7 degrees, 20 minutes. This gap is called the *birth unzipping angle* of the DNA/RNA behaviours. (2)

This tetrahelix is too hard to draw here, but the reader is urged to consult Fuller's *Synergetics* for diagrams. The concept of "falling short," of course, is at the heart and soul of spiral formation. Such a "falling short" describes exactly the precession of equinoxes. My own (earlier) analysis of precession revealed a "birth unzipping angle" of 5.4545 degrees. (3) When I applied the "steeper" DNA angle of Fuller to my own work, the start of the age of Aquarius moved from 2160 AD to 2013 AD. The latter date is the supposed date given by the ancient Mayan calendar system for the birth of a new World Age. (4)

Cathie also ties the helix of matter formation to the world grid system, which is his specialty:

The world grid system itself is set up in harmony with the natural spiraling motion of the wave-forms in physical substance. The main poles of the two interlocking grid systems on the earth's surface are placed at intervals on the natural spiral which coincide with the harmonics of the reciprocal of [the speed of] light. The north and south poles of one grid are displaced 694.4 minutes of arc from the north and south geographic poles. The second interlocking grid has poles which are displaced 1054.4 minutes of arc from the geographic poles: the difference in latitude being 360 minutes, or six degrees. The two grid pole positions, north and south, fall on a spiraling curve which commences at the north and terminates at the south geographic pole. The harmonic points on the natural spiral cause sympathetic resonances to be set up which combine with those of light, gravity, and mass. (5)

A less technical and more spiritual description of the world grid system is given by the spiritual leader named Solara:

There are two main grid systems which encircle our planet. These could be perceived as thin lines of energy, or ley lines, which form a lattice work of fine mesh. They conduct the distribution of energy throughout the Earth. The main grid system is called the B Grid. You can see this grid as a fine lattice of Light pulsations. Wherever two of these threads of Light intersect, a vortex is formed. Each vortex has its own keynote and focus. Some of them are already fully activated, while others still await their time. Underlying the B Grid is another grid system called the A Grid or Master Grid. The Master Grid has a much simpler mandalic pattern than the B Grid's elaborately complex interwoven latticework. Yet its matrix could be described as infinitely deeper, for not only is it located beneath the B Grid, but it contains the Master Coding for the entire planet. (6)

Apparently, the Master Coding is only accessible to a privileged "Council of Nine" -- spiritual masters who have access to Control Panels that activate certain key locations that hold the Earth together during times of transition:

In order for a Master Grid Vortex to be activated, an alignment must first take place between a potential A Grid Vortex and an existing, activated B Grid Vortex. This means that they must be located on a direct, vertical trajectory. Secondly, the Master Grid Vortex must receive activation before a Master Cylinder Vortex is created. This dual activation forms a double helix spiral which creates a channel for the anchoring of a formidable shaft of Light, called a Yod which emanates from the other side of the Doorway of the 11:11. The anchored Yods form what is called a Pillar of Light. Each Pillar of Light is aligned with the Great Central Pillar and serves as a stabilization pinion to shift us into the New Octave. (7)

This may seem like so much hokum, and yet these themes of "anchoring the planet" and Cathie's "DNA matter formation" are the same themes. Cathie corroborates all this by citing a news item from 1964:

On 29 August 1964 the American survey ship *Eltanin* was carrying out a sweep of the sea-bed off the coast of South America. A series of submarine photographs was being taken of the area by means of a camera attached to a long cable. A surprise was in store when these photographs were developed. On one of the points, in marvellous detail, was an aerial-type object sticking up from an otherwise featureless sea-bed. The object appeared to be metallic and perfectly symmetrical in construction. The array consisted of six main crossbars with small knob-like ends and a small crossbar at the top. Each cross looked to be set at angles of 15 degrees to the others, and the whole system stood about 2 feet in height. The position where this object was found was given as latitude 59 degrees 8 minutes S, longitude 105 degrees W. (8)

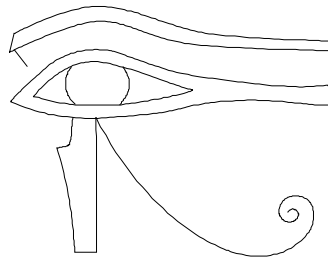
Cathie goes on to state that this "bit of ironmongery" was situated at a depth of 13,500 feet below the surface, and that he is certain that no Earth-humans had placed it there. Cathie found the submerged aerial to be lined up very closely with the magnetic field of the Earth. Another author who corroborates these emplacements is Doris Lessing. Lessing accounts for B Grid anomalies in literary terms: the antithesis of Canopean peace being Shammatan disharmonies:

Everything in the valley was broken and spoiled. I knew that this was the valley I had looked down into from above, but could not now see the column anywhere. Yet it was here, I could feel it. Waves and pulses of Shammat came out at me and made me reel, but I held on to a young tree that had been half-cut at its base so that it had fallen, and lay forward at my height, making a sort of handhold.... Help me, I cried silently, this is the most terrible danger I am in, danger far too strong for me -- and I kept my thoughts steady, like a bridge, and soon did feel a little trickle of help coming from there. And, as I strengthened, I did see it -- a glimpse only -- I saw the column. There was a jet, or narrow fountain there, sometimes visible, and then not, but coming into sight again. It was as if the air itself had thickened and become a very fine and subtle liquid, a crystalline water, jetting up and falling back on itself.... (9)

Lessing has given an impression of a disharmony that has developed between the grid systems. All of this is related to the helix of the earth's magnetic field. We continue our catalog of spirals with David Wood and his analysis of Rennes-Le Chateau -- a huge bit of sacred geometry embedded in the landscape of southern France, in the Languedoc region famous for its religio-mystic roots. Wood analyzes the stone tomb in the region of Chateau de Blanchefort.

The base of the tomb measures 100 inches in length, and the truncated pyramid that forms the top measures 86 inches in length: the total 186 is 186,000 miles per second, the speed of light. Furthermore, the truncated pyramid, if extended to form a gable, would measure 99 inches -- one less than 100: a "cutting off" of the full measure. 100 inches is 8.3333 feet, which in minutes equates to 500 seconds -- the time taken for the speed of light of the Sun to reach the Earth. The fraction 99/100 is 1/100 off the full measure. 1/100 of 360 degrees of the circle is 3.6 degrees, or more conveniently, 3.6666 degrees. This is 3 degrees and 40 minutes -- half of the DNA/RNA "birth unzipping angle" of 7 degrees and 20 minutes mentioned earlier.

The diminishment of the spiral is also found in Egyptian philosophy -- in the hieroglyphic of the *udjat*, or sacred eye -- the same eye we find (simplified) on the back of the one dollar bill.



Numerically, the inner triangle is  $1/2$ , the pupil  $1/4$ , the eyebrow  $1/8$ , the outer triangle  $1/16$ , the spiral thread  $1/32$ , and the mooring post (or qd)  $1/64$ . This all adds up to  $63/64$ ,  $1/64$  less than the whole: a constant diminishment of the spiral path.  $1/64$  of 360 degrees is 5.625 degrees -- very close to the 5.4545 degree measure found as the result of precession in my earlier work. (10)

Wood is one of the masters of the Helix Game, and his latest work is also echoed by Cathie and by Plato. This has to do with the ten-sided figure of the decagon. Wood found that:

If any radius of a circle is divided by phi the result will equal the length of the chord subtended by 36 degrees of the circle. (11)

Thus, a circle with an arbitrary radius of 270 divided by 1.618 (phi) gives a chord length of 166.8727. This length times ten (i.e., a complete decagon) gives 1668.727. Meanwhile, the circumference of the circle is  $2(\pi)(\text{radius})$  which is 1696.41. The difference is 27.683 units, which is a constant diminishment of the whole. Since this sample circle has an arbitrary radius, we can re-express these measures as a ratio that applies to all circles. The ratio of the difference over the circumference is 0.0163, which is 5.8747 degrees of the 360 degree circle.

The significance of the measure of 5.8747 degrees seems to be that its reciprocal is 0.1702, which is very close to the harmonic of 0.1694, which according to Cathie is the harmonic of mass, gravity, and communications in minutes of arc. This is significant because:

[In 1928 Halls, an engineer, reported to Carl Stormer of Oslo that echoes of 3 seconds delay had been heard at Eindhoven, Holland, from apparent distances of 2900 and 10,000 kilometers out in space.] On 11th October 1928 Carl Stormer, with Halls, helped by Van der Pol, transmitting from Eindhoven, picked up 3-second echoes on 31.4 meters, which changed to echoes varying from 3 to 15 seconds. The signal pulses were received at 20 second intervals.... It was suggested in recent years that the long-delay echoes received after transmitting equally-spaced radio signals from earth could be interpreted in the form of a code. Mr. D.A. Lunan, a graduate of Glasgow University, carried out an analysis along these lines and concluded that the echoes were being broadcast from a space probe in orbit in the vicinity of our moon. The theory is that if an

advanced civilization wished to contact us, they would leave a space satellite in earth orbit, waiting quietly through the centuries until our technology reached the stage where we were able to interrogate it. Mr. Lunan suggests that the signals identify the probe's origin as the double star Epsilon Bootis and puts its arrival in earth orbit at somewhere around 13,000 years ago.... The transmission which triggered the space echoes was broadcast on 31.4 meters. (12)

Cathie goes on to say that when the 31.4 meter wavelength is converted into minutes of arc to compare it to grid harmonics, the result is .016944 minutes of arc, the communication harmonic also found in the degree measure of the decagon chord-arc ratio. Cathie believes that this is a "universal wavelength" that plugs into a space network.

It's interesting to note that the decagon chord length subtends 36 degrees. 36 degrees is 30 degrees plus a 6-degree "falling short." Recall that the two interlocking grid systems of the Earth are offset by 6 degrees. Precession is accomplished in 25,920 years -- roughly twice the 13,000-year age of the probe, suggesting that the probe was put into space by either our ancestors, or by our parent race, possibly from the double star system of Epsilon Bootis.

The decagon is also tied up in the earth grid itself. Plato referred to this in the *Phaedo* when he described Socrates' view of the "true earth" as being made like the "many-colored balls that are made from many pieces of leather." Plato is referring to the ancient belief that the Earth is shaped like a dodecahedron solid. Cathie provides the following information about this topic:

The Russians ran a story to this effect in 1973 in the *Komsomolskaya Pravda*, the official newspaper for the younger generation in Russia. The suggestion was that the globe started out as a large crystal with angular dimensions and that after millions of years of wearing-down processes, the crystal finally rounded itself into a ball. According to Soviet scientists, the angular edges of the primary crystal now lie beneath the surface of the Earth. (14)

Cathie goes on to relate how several Russian scientists published a paper entitled *Is the Earth a Large Crystal?* According to the Russian scientists, the Earth's surface is divided into twelve decagons. Each pole forms the center of a large decagon, and ten decagons span the globe equatorially: five above the equator and five below, connected above and below to the perimeter edges of the polar decagons. Various positions on the edges of the decagons are associated with seismic and volcanic activity. The nodes of the grid network are centers of great changes in atmospheric pressure where hurricanes (vortices) form, veering off to follow the common edges of the interlocking pattern.

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There can be no doubt that the Paris Observatory was used for secret research, and that this research was conducted in order to further the power base of the King. The Paris Observatory was paid for by the King, after all. However, the Church and State were well-wedded during these times and the Holy Roman Empire may have also been a recipient of secret research results. This may have led to some political maneuvers by the scientists, perhaps with the benign support of the King, in whose interest it was, to quietly safeguard existing scientific knowledge through independent channels, outside of the milieu and authority of the Church. The exact political standing of the astronomers of the Paris Observatory can only be guessed at, and this from a tenuous thread indeed, which was the resignation of the observatory's director, Cassini IV, in 1793. This date has more than a little significance, as we shall see:

The first Masonic lodge was founded in France in 1721. One of the most political Masonic lodges of the eighteenth century was founded by Savalette de Lage who formed a secret society called the Friends of Truth. This group mapped out the ground-plan of the social reformation which was later to become the inspiration for the French Revolution. Another politically-oriented Masonic lodge called *Neuf Soeurs* (Nine Sisters) was founded in Paris and had links with de Lage. This lodge had the task of creating an alternative education system as the established one was firmly in the hands of the clerical authorities who used it to promote their own version of Christian education. Public lectures were given by members of the *Neuf Soeurs* lodge on history, literature, chemistry, and medicine at an establishment called the College of Apollo, the Greek Sun god. (1)

The Masonic lodges of France were at first exclusive societies for the aristocratic classes and only later split into two camps -- the Royalists, who backed the King, and the radicals, who helped plan the French Revolution. This is when the King's benign support for such societies ceased. This was not the first time a king had removed his support:

During the Crusades, those who took the cross became members of an "order." The order [was a] form of organization to make the lofty task of the Crusades possible. Since these orders were oriented towards the Church by reason of their motivation, the military power incorporated in them posed a threat to the kingdoms in which they emerged. There were three possible solutions to this problem. First, a monarch could make himself head of one of these orders, as happened in Spain and Portugal. Second, a king could eliminate an order which had become too powerful, as did Philip the Fair of France in the years 1307 - 1314. Third, the king could himself set up an order into which he could draft reliable supporters. This was the origin of courtly orders based on feudal loyalty, some of which, like the English Order of the Garter, have survived to this day. ...With the Renaissance, the development of orders took on a new and unfamiliar direction. They became increasingly a tool for political propaganda. For example, the number of knights of the French Order of St. Michael, founded in 1469, had so increased by the end of the 16th century that its status (in the eyes of the King) had sunk considerably. As a result, King Henry III founded in 1578 a second, higher order

whose membership was restricted to one hundred knights; this was the Order of the Holy Ghost. (2)

As membership became indiscriminate the French Masons became corrupt, and, "in the eyes of the King," the radical political elements became a threat:

From 1785 to 1789 several of the Masonic lodges in France were working full-time to undermine the monarchy and the established government. However, many of the French Masons remained loyal to the Royalist cause during the Revolution and it was only a select few who took an active part in the radicalism of the period. In 1789, the Marquis de Luchet who supported the Revolution claimed, "There exists a conspiracy in favor of despotism, of incapacity against talent, of vice against virtue, of ignorance against enlightenment. This society aims to govern the world." (3)

Even if the original intent was to sidestep the cardinals and bishops who constituted the "clerical authorities," the astronomers may have come to realize that the patronage of King Louis himself was in danger. It may be that some of King Louis XVI's Royal Astronomers became members of Masonic lodges in order to protect their astronomical knowledge from the unrest of the times. And when in turn the secret societies fell into turmoil, the astronomers did not hesitate to unflinchingly abandon them in order to further protect their intellectual assets and related power positions:

The role of the Masons in the French Revolution was confused by the abandonment of the high ideals and social reforms instigated by the original political movement. The radicalism of the Masonic lodges before the Revolution had alienated their traditional following among the aristocratic classes in France. Even before 1789 the aristocrats had begun to resign from the lodges which were promoting socialism and, as a result, their organization was seriously weakened. By 1792 very few Masonic lodges were practising and the movement was in a state of apathy. At Versailles in 1792 the former Grand Master of a Templar lodge was lynched by an angry mob. Elsewhere Masonry came under suspicion as its role as a secret society was seen by those in power as a cover for counter-revolution. (4)

It was in 1793 that Cassini IV resigned from the Paris Observatory. It is unclear as to what became of the rest of the scientists at the time. With the understanding that much of this line of thought is conjectural, it may be that the transfer of astronomical knowledge from the clerical and royal domain to the private sector took place through select Masonic lodges of France. It is this private sector that, in turn, became the ruling class. It should be noted that in Britain, several leading members of the Royal Society, founded in 1660 to reform science, religion, and the arts, were either Masons or Rosicrucians. (5)

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In the chapters of this volume, correlations have been drawn between the cosmic communication frequency harmonic of 16944 and the decagon chord length of 13.75 and the general decagon ratio of chord-length to arc-length. Now we shall correlate the cosmic communication frequency harmonic to the world grid system, and thus to the Sun and the Moon.

The odd title of this chapter refers to two religious organizations that seem to have "cracked the cosmic code." The world grid expert, Bruce Cathie, has revealed that the Mormons may have located their Temple in Salt Lake City according to the world grid system, according to the cosmic communication harmonic. Cathie quotes from the book *Essentials in Church History* by church founder Joseph Smith:

**The Place for the Temple.** -- During the westward journey the building of a temple was a constant theme. On the evening of the 28th of July, President Young and the apostles with Thomas Bullock, the clerk, walked from their camp northward to a spot between the forks of City Creek, and there President Young designated a site for the building of a temple. Waving his hand he said: "Here is the forty acres for the temple, and the city can be laid out perfectly square north and south, east and west."

**Orson Pratt's Survey.** -- The survey of the city was made by Orson Pratt. His line was on the southeast corner of the Temple Block. Beginning at that point the city was marked out into blocks of ten acres each. It was decided by the brethren that instead of using forty acres for the site it would be better to have that block conform in size with the others. According to Orson Pratt's calculations, the latitude of the north boundary of the Temple Block was 40 degrees, 35 minutes, and 34 seconds. The longitude was 111 degrees, 26 minutes, and 34 seconds west of Greenwich. (1)

Cathie discovered that the great circle displacement of the New Zealand Mormon Temple, at latitude 37 degrees 49 minutes 40 seconds, and longitude 175 degrees 13 minutes 28 seconds, in relation to the First Temple in Salt Lake City is 371244 seconds of arc. This is a harmonic of the speed of light according to Cathie's unified field equation of light. Cathie then goes on to relate that the geometric locations of these temples may allow communications between church officials and divine authorities in "the heavens." (2)

Those who carry out the will of those authorities are sometimes called "conciliators" -- a term used by Gene Wolfe to describe his fictional character Severian the Torturer, the Autarch of Earth who penned the *Book of the New Sun*. Paper No. 25 of the *Urantia Book* describes Conciliators in a cosmic-spiritual context. (3) The Conciliators are one of seven orders of the Messenger Hosts of Space. Paper No. 25 also describes the order of the Morontia Companions -- a name peculiarly similar to the Angel Moroni of the Mormons. The *Urantia* book was written in the 1930s and 1940s by a secret committee: it is not unlikely that one of the founders of the religion was familiar with Mormonism.

Does the Urantia doctrine also include space communication harmonics? Indeed it does. Let us follow a train of logic to learn more about both the religion and the science. There are 138 billion Havona servitals on each of 490 satellites. Servitals are "midway creatures" who can be either spiritual or semiphysical in nature. Thus "there are few limits to the range of work these versatile beings can do." The servitals are assigned to the service of the Father, the Son, and the Spirit. They are dispatched from time to time to serve on the "study worlds encircling the headquarters spheres of the seven superuniverses." These worlds are dedicated to training ascending souls of time who are preparing for advancement to the circuits of Havona. Having attained Havona, so-called "Graduate Guides" help the various orders of ascending creatures to seek and attain Paradise. (4)

A *satellite* is not the same as a *world*, as we shall see. The hierarchy of each superuniverse is as follows. A Constellation is made up of 100 Worlds. A Local Universe is made up of 100 Constellations. A Superuniverse Minor Sector is made up of 100 Local Universes. A Superuniverse Major Sector is made up of 100 Superuniverse Minor Sectors. There are seven Superuniverses and thus the total number of worlds is:

$$100 \text{ (worlds)} \times 100 \text{ (constellations)} \times 100 \text{ (local universes)} \times 100 \text{ (SU minors)} \times 100 \text{ (SU majors)} \times 7 \text{ (superuniverses)} = 70 \text{ (billion worlds)}$$

It is said that "for every Havona Servital created, seven Universal Conciliators are brought into being, one in each superuniverse." (5) However, we later learn that "the number [of Conciliators] is the equivalent of the total number of Havona Servitals, with allowances for the transmutation of Graduate Guides." (6) This conflict can be resolved by thinking in terms of harmonics: 490 satellites is the equivalent of 70 (billion) worlds times 7. Thus, two complementary derivations are possible:

$$(a) \text{ 138 (billion Havona Servitals)} \times 490 \text{ (satellites)} = 67.62 \text{ (trillion Servitals or Conciliators)}$$

or

$$(b) \text{ 138 (billion Havona Servitals)} \times 70 \text{ (billion Worlds)} \times 7 \text{ (Conciliators per Servital)} = 67.62 \text{ (trillion Conciliators or Servitals)}$$

Notice that 70 billion Worlds are simply treated as 70 Worlds in derivation (b). There are many more worlds than satellites:

$$70 \text{ (billion Worlds)} / 490 \text{ (satellites)} = 142.857 \text{ (million worlds per satellite)}$$

Therefore, with 138 billion Servitals per satellite, the number of Servitals (and hence Conciliators) per world is:

$$138 \text{ (billion Servitals or Conciliators)} / 142.857 \text{ (million worlds per satellite)} = 966 \text{ (Servitals or Conciliators per World on average)}$$

The 138 billion Servitals can be explained as follows:

...the harmonic 13888.888 is twice the harmonic of 6944.444, which is the reciprocal of the speed of light. (7)

The speed of light, according to grid theory, varies from 144,000 minutes of arc per grid second in free space, to 143,795.77 minutes of arc per grid second at the Earth's surface. (8)

Conciliators are split into *commissions*. Each commission has four members:

1. *The Judge Arbiter*: the judicial head of the group.
2. *The Spirit-Advocate*: appointed by the judge-arbiter to present evidence and to safeguard the rights of all personalities involved.
3. *The Divine Executioner*: a quasi-material being or "fourth creature" qualified to make contact with the material beings of the realm to execute decisions of the commission.
4. *The Recorder*: the clerk of the tribunal.

With reference to number four above, the commission is sometimes referred to as a *referee trio* or *tribunal* because the spirit-advocate is "detached during adjudication and participates in the formulation of the verdict only at the conclusion of the hearing." (9) The Divine Executioner is said to be "almost, but not quite, visible to the short-range vision of the mortal races." Additionally, all Conciliators traverse space "at the seraphic rate of triple velocity." Conciliators serve as the travelling courts of the worlds. If it wasn't for these commissions, "the spheres would be hopelessly overspread with the minor misunderstandings of the realms."

On average, then, there are:

966 (Conciliators per world) / 4 (Conciliators per commission) = 241 (commissions per world)

The number 241 is consistent with the more than 200 political entities or nations of Earth. My curiosity was aroused by mention of "short-range" vision and the "seraphic rate" of travel. These are obviously references to frequencies and it was no surprise when I found the total number of commissions to be equivalent to the cosmic communication harmonic:

67.62 (trillion Conciliators) / 4 (Conciliators per commission) = **16.905** (trillion commissions)

Recall that 16944 is the cosmic communication harmonic -- the same harmonic that emanates as a short-wave (read "short-range") radio band signal from the aforementioned orbiting satellite that some scientists believe to originate from Epsilon Bootis. (10) The number of commissions is verified by the doctrine of the *Urantia Book*, which states that "the last report of registry on Uversa gives the number operating in Orvonton as almost eighteen trillion commissions." 16.9 (trillion) is indeed "almost" 18 (trillion). We will ignore the vague follow-up that states that this number is "only a very small fraction of the multitude of conciliators that have been created." (11) It must be stated for the record that there is a fair amount of conflicting data in the *Urantia Book*.

What does this all mean, besides the fact that there are 241 Divine Executioners roaming the Earth on average? The Urantians, the Mormons, Bruce Cathie, David Wood, and the Bible all seem to be telling us that the world grid system is principally a reflection of the Earth's interaction with the Moon and the stars. According to one source:

The Planetary Grid connects the Earth with humans and with other bodies in space -- the grid is in essence the embodiment of the Morphic Field of the Earth and connects all living organisms.... The Earth is presently "asleep," and is being maintained that way electronically by loading Grid Vortex nodes of the Planetary Grid. Through this programming ... the Earth is being prevented from undergoing geological changes and processes of self-regeneration. If all the electricity on Earth were to be suddenly neutralized by some photon quenching effect, the Earth would go into convulsions as part of the natural evolutionary process. It is also known that if the Earth Grid were activated by Unified Field Energy, the Earth would likewise be allowed to undergo its natural evolution. (12)

The *lunar stargrid* based on the geographical measurement of 3 degrees and 20 minutes, which includes the hot-spot latitudes of 20, 40, and 60 degrees North and South, can be derived from the speed of light and the Moon's apparent movement through the sky. Based on the values in Appendix A, there are 200 nautical miles in the lunar stargrid base-measure of 3 degrees and 20 minutes. This base-measure is equivalent to  $\pi$  grid-subunits, which also measure exactly 200 nautical miles. This amazing fact means that  $\pi$  is built into the very fabric of the Earth itself:

Taking the earth as a globe we see it has a circumference of 21,600 minutes of arc (or nautical miles) and a diameter of 6875 minutes of arc. It is stated ... that every globe has an equivalent disc which is equal to it. The best way to imagine this equivalent disc is to liken it to a globe which has been put into a giant press and squashed flat at the equator. What we are interested in is the ratio of the dimensions of the globe; radius, diameter, circumference etc., to those of its equivalent disc. It is found that the diameter of the disc is equal to one half the circumference of the globe, and the circumference of the disc is one half of  $\pi$  times that of the circumference of the globe.

As a globe the circumference	= 21,600 nautical miles
As a disc the diameter	= 10,800 nautical miles
As a disc the circumference	= 33929.2 nautical miles

(13)

$\pi$  was not invented, or if it was, then the Earth was invented too!  $\pi$  is a natural outflow of God's creation. If God created the Earth, then it was God or an angel-representative who gave  $\pi$  to mankind. Perhaps it was a Havona Servital who brought down this knowledge.

Plato wrote in his *Phaedo*:

Fancy being unable to distinguish between the cause of a thing, and the condition without which it could not be a cause! It is this latter, as it seems to me, that most people, groping in the dark, call a cause -- attaching to it a name to which it has no right.

That is why one person surrounds the earth with a vortex, and so keeps it in place by means of the heavens; and another props it up on a pedestal of air, as though it were a wide platter. (14)

Plato goes on to describe the flow of the earth's celestial river:

...while some [flows] make a complete circle and, winding like a snake one or even more times round the earth [not on the surface but under it], descend as far as possible before they again discharge their waters. It is possible to descend in either direction as far as the center, but no further; for either direction from the center is uphill, whichever way the streams are flowing. (15)

This idea of a "center" immediately brings to mind the "universal center" that so many religions take pains to call their own. Plato's vision of the celestial "flow" brings to mind electromagnetic "currents," and in fact this vision of old has become scientific reality with recent Hubble Space Telescope photographs of star nurseries (Herbig-Haro or HH objects) at the centers of which are accretion disks which emit winding streams or jets of electromagnetism. (16) These jets are emitted from either side of the disk center, and so would seem to fall to the center "but no further."

Plato was influenced by Anaxagoras of Clazomenae (500 - 428 BC) who gave us the astronomical theory that the Sun and the Moon are fragments of the Earth which have become white-hot by the rapidity of their movement. (17) What if the Sun and the Moon were stacked like bowls, with the Earth nestled between? In this case we must ask, "How is it that we can see the stars and planets through the Moon?" And for that matter, "How is our perception of the stars and planets altered by the heavy gravity all around us?"

The Earth's grid system seems to hold all the keys to the celestial motions of the Moon, the planets, and the stars. The grid must *necessarily* hold the keys not only to *pi*, but to the cycle of precession and thus to the movements of the Earth's electromagnetic and polar axes. Is the grid controllable? Are there in fact master frequencies which can be directed towards the Earth in order to control the integrity of the atmosphere, the health of its plants and animals, and the movements of the oceans and land masses?

All the evidence seems to support the idea that the precession cycle can be used as an extended timebase by which neighboring star systems can exert, in turn, an influence upon the Earth's electromagnetic grid structure. The Earth may share a set of universal frequencies with all inhabited stars. It's possible that the Earth's grid system is periodically manipulated for the well-being of its inhabitants. The agencies involved, Earth-bound or otherwise, seem to be motivated by the desire to see that this baby dewdrop of a world hangs together for as long as possible. That such a huge effort would be mounted for the sake of our tiny planet gives one pause for thought.

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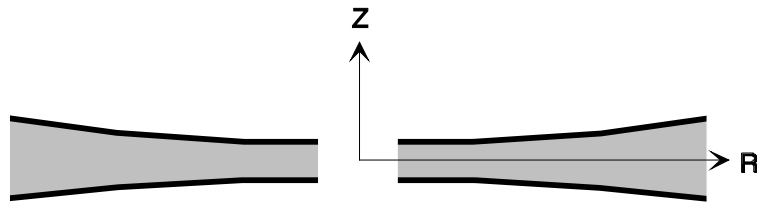
## Appendix A: Earth Disk

Cathie states:

The linear speed of light in any particular point in space determines the volume of the body precipitated at that point. Therefore, relative to Earth values of light, a lesser speed will determine smaller masses, and larger speeds will determine larger masses -- such as that of Jupiter, for example. The angular acceleration of light will remain constant.

Corollary: for any unit body, once precipitated, then the rate of rotation, or spin, and its volume will directly determine its rate of acceleration in space (i.e., its movement in space relative to other bodies). This movement will maintain a constant balance of the angular acceleration of light at the point in space in which the body may be at any given instant. (1)

The radial cross-section of an accretion disk is shaped thusly (2):



$Z$  is the height above and below the disk and  $R$  is the radius. The following is a paraphrase:

Circumference, or  $2\pi r$ , multiplied by surface density,  $\Sigma$ , determines the inward mass flux or energy of an accretion disk. The surface area of a flattened sphere, or of both sides of a disk,  $2\pi r^2$ , multiplied by the disk's vertical viscous stress or viscosity,  $W$ , determines the mass function of angular momentum. A stationary accretion disk will break up into rings. Alternate rings have high- $\Sigma$  / low- $W$ , and low- $\Sigma$  / high- $W$ . Together,  $\Sigma$  and  $W$  define the disk's radial structure and determine photon energy and thus light and heat emission and the speed of light. (3)

According to Cathie's corollary, the rotation speed of the outer part of the disk, due to its greater volume, will be higher than at the center of the disk, and therefore the disk will maintain a homogeneous angular momentum as it spins.

Cathie further states:

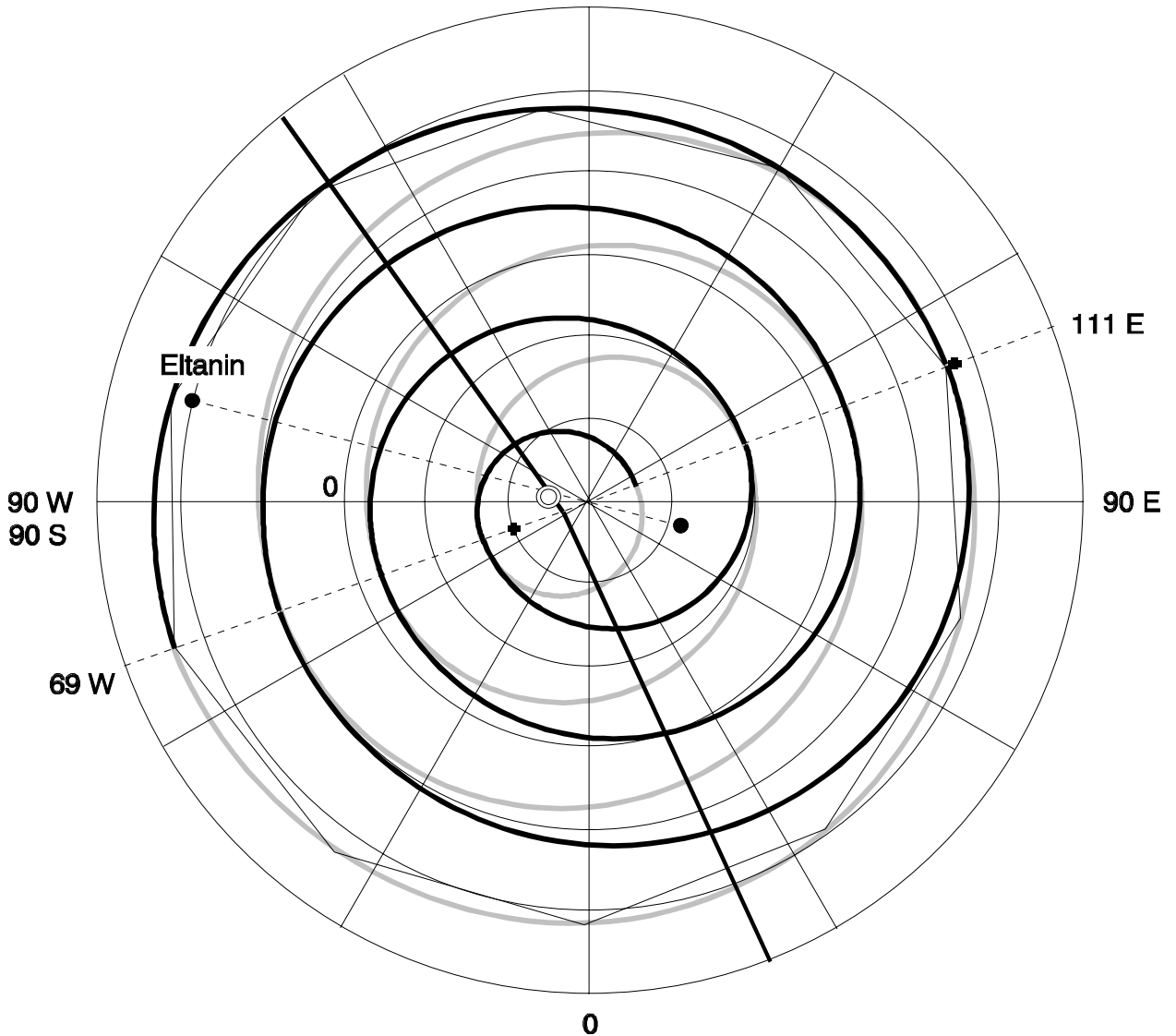
Waves travel through space in a spiraling motion, and alternately pass through positive and negative stages. Matter is formed through the positive stage, or pulse, and anti-matter during the negative pulse. An electron is formed by three spiraling wave motions in space. These waves pass through each other at 90 degrees. The point of intersection in space causes the manifestation of what we term electrons. The electron thus formed carries out a spiraling motion. Each spiral of 360 degrees forms a single pulse. The circular motion of an electron about the nucleus of an atom is therefore an illusion. The

relative motion of the nucleus and electrons through space give the illusion of circular motion. The period during the formation of anti-matter is completely undetectable, since obviously all physical matter is manifesting at the same pulse rate, including instruments or detectors used to probe atomic structures. (4)

The circumference of a "circle" is made up of two pulses of 360 degrees each, and is therefore 720 degrees. Cathie states that "the number 648 is a harmonic factor of great importance." (5) Perhaps 648 corresponds to two pulses of spiral pi, 324. According to Cathie the SOL harmonic and its related harmonics:

- a) determine the gaseous or ionic envelopes of the planets: the type of envelope depends on the orbital radius of the planet from the Sun or from other stars; (6)
- b) reflect the motions of the Earth, the Sun, and other celestial bodies: these motions can disrupt atomic particles (7);
- c) are involved in multiple grid geometries which can affect the tension of gravity (8).

The following diagram shows the Earth as a disk with the North Pole at the center of the disk and the South Pole "spread out" along the perimeter of the disk:



The position of the underwater aerial spotted by the Eltanin survey ship (see the first chapter in this book) is shown at 105 degrees West longitude, 59 degrees 8 minutes South latitude. (9) Its position is precisely 36 degrees from the Earth's magnetic field meridian of 69 degrees West longitude. (10) The measure of 36 degrees subtends one segment of a theoretical global decagon, which has been outlined above along the geomagnetic latitude of 60 degrees South.

The spiral of the diagram above was constructed using projected circles-of-latitude 20, 40, and 60 degrees North and South of the equator. Each circle is offset 10 degrees from the geographic center -- either left or right along the geomagnetic meridians -- and placed tangentially to the next larger latitudinal circle, thereby forming a spiral.

The geomagnetic North Pole is shown as the small double concentric circle near the geographic North Pole, at the center of the spiral. The two small crosses indicate the North and South latitudes of the highest auroral activity along the geomagnetic meridians. (11) The two thick lines emanating from the geomagnetic center are "micropulsation" meridians that

are most closely tangent to both poles of the Earth, and thus most closely orthogonal (oriented ninety degrees relative) to the geomagnetic meridians of 69 degrees West and 111 degrees East. (12) Micropulsations are associated with the Earth's electric fields.

The magnetic North Pole is located, within certain shifting bounds, at 76 degrees North latitude and 102 degrees West longitude. (11) The great arc connecting the Eltanin aerial with its calculated reciprocal position of 59 degrees 8 minutes North latitude and 75 degrees East longitude passes, more or less, directly through the magnetic North Pole. (13) The decagon that has been drawn around 60 degrees South latitude is projected from the magnetic North Pole and not the geographic North Pole.

Scientifically speaking, the hot spot latitudes of 60 degrees North and South correspond to peak auroral activity nearest to the poles. (10) These are areas of intense atmospheric UV and X-ray production. The latitudes of 40 degrees North and South are areas where the electron density of the Earth's atmosphere peaks. These peaks give way to a density trough at the equator. (14) The density trough extends over the range of latitudes between 20 degrees North and South. Electron peaks increase with increased solar activity. The peaks appear at sunrise, are most prominent at noon, and then decrease until midnight, when they disappear.

The energetic radiation at the center of the disk may be re-radiated (harmonically) by the outer regions of the disk in order to keep the disk balanced. The amount of re-radiation depends on the amount of activity at the disk's core. (15) This re-radiation may manifest as a ring of matter around the center.

As long as the disk remains balanced, the disk's rotation speed remains constant. However, even a slight imbalance can affect the rotation speed. The electromagnetic field diminishes with decreasing rotation speed. For the Earth grid, a natural grid tension is produced which increases and decreases with rotational speed.

Gravitational "hot spots" are separated by 120 degrees of longitude. Meridian 140 degrees East crosses the South magnetic pole, central Australia, New Guinea, and Japan; meridian 10 degrees East crosses central Europe, central North Africa, and the west coast of lower Africa; meridian 105 degrees West is the meridian of the Eltanin aerial and crosses the North magnetic pole, Denver, New Mexico, Mexico, and the East Pacific Rise. Note that the atmospheric atomic explosion of 1908 at Tunguska Siberia, located at 100 degrees East longitude, occurred exactly 90 degrees East of 10 degrees East longitude. (16)

A second series of meridians offset by 60 degrees (according to the geomagnetically-oriented decagon) to the first series resides at 45 degrees West, 75 degrees East, and 175 degrees West. These meridians define the three principal ice shelves of Antarctica: the Filchner ice shelf, the Amery ice shelf, and the Ross ice shelf.

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