
WHERE IS THE NOOSPHERE LOCATED?

The Great Pyramid and the measure of incommensurability

Pierre Beaudry 07/14/2020

INCOMMENSURABLE PROPORTIONALITY

The fact that most people living in the world today are caught in the trap of sense-deception is not an accident. It is because they lack a sense of proportion, which is the true sixth sense. As Plato reflected on the process of knowledge in the seventh book of the *Republic*, he came to this crucial point at which he said: “*As being is to becoming, so is pure intellect to opinion. And as intellect is to opinion, so is science to belief, and understanding to the perception of shadows.*” (Jowett, 534a) This epistemological relationship is what is called a double mean incommensurable proportionality which the human mind must use when it needs to successfully complete a process of axiomatic change or a paradigm shift. As Lyndon LaRouche stated, in the footsteps of Plato, it is the transfinite nature of this incommensurable proportionality which is important to understand as an axiom buster:

“Now what’s an incommensurable? Something that no modern chaos theory idiot-savant can understand. An incommensurable is the notion of any continuum. So, this is the same thing that Riemann is saying in the third section, in particular, of his Habilitation-schrift (dissertation) — the existence of the continuum paradox. That no continuum can be defined metrically by the metric of a discrete manifold. You can compare it. You can construct a measurement arithmetically or by rational numbers which you can compare, by construction, with a geometric magnitude, or an

incommensurable magnitude, but you cannot never generate, or define, the incommensurable magnitude from the standpoint of the discrete manifold.”¹



Chartres Cathedral's incommensurable portal: GOD CONCEIVING MAN IN HIS MIND

¹ Lyndon LaRouche unpublished audiotape (1995) played in LaRouche PAC Manhattan Project, Sat. June 13, 2020. As Lyn also reported earlier in his [LaRouche in Dialogue with Russian Science](#), EIR, Vol. 21, No. 24, June 10, 1994: “When I speak of mathematics, I refer to four historical categories of mathematics. The first, of course, is the so-called rational numbers, which the Classical Greeks found to be insufficient, and defined incommensurables as purely geometric magnitudes, which could only be approximated by rational constructions. The most famous of these, of course, is the quadrature of the circle by Archimedes.” p. 35. See also Dino de Pauli, [The Human Is Not a Computer](#), EIR, Vol. 18, No. 44, November 15, 1991. Also, Lyndon LaRouche, [The Meaning of the Term Transfinite, 1988](#).

This incommensurable proportionality is a crucial moment of transformation in Plato's *Republic*, because under the guise of reflecting on the nature of likeness (*eikasia*) of sense perception in things, Plato has Socrates reflect on the nature of another more profound likeness pertaining to the human mind as in the likeness of the Mind of God the Creator. The irony, here, is that although "incommensurable" means without a common measure to another, the geometrical magnitude it represents is that of a higher form of measure, an incommensurable measure of proportion which causes a higher level of energy flux-density. As Lyn said:

"The distinction of the human being from all other, presently known types of living creatures, lies, intrinsically, in the behavior representing a potential for effecting *willfully self-directed categories of, specifically, ontologically upward changes* in the expressed, intrinsically willful characteristics of the human species per se. [...]

"No other species, which has been presently known to us, has been enabled to replicate that *specifically willful quality of noëtic capability*. That ability of the actually *noëtic* processes within the bounds of the still living human mind, must be recognized as the principle which pre-defines the essential function of a truly healthy state of the still-living human personality."²

If you are willing to accept this initial truth, however doubtful it may appear to be at first glance, then, such a state of perplexity is a sufficient starting point for the consideration of my second point, here, which is that truth is never given in the "*thing in itself*," but, rather, in the process of transformation which causes everything to change in an ordered way, as if there were a principle governing the whole as a totality, to which the interaction of all of its parts are related to each other proportionally. That is where the Noosphere is located. Therefore, in seeking the truth about anything, it is the process of transformation behind the "*thing in itself*" which is the primary subject to be taken under consideration with respect to the Noosphere.

² Lyndon H. LaRouche, Jr., [The Search for a Misaid Truth](#), EIR, Vol. 40, No. 43, November 1, 2013, pp. 47.

THE EPISTEMOLOGICAL PURPOSE OF THE GREAT PYRAMID OF EGYPT

« The incommensurable message of the Great Pyramid is included in the method by means of which it has been constructed. »
Dehors Debonneheure

When one looks at history one generally thinks that the direction of human history is that of “descending” from ancestors; that is, from the past. Such a direction is a mistaken view borrowed from animal behavior more generally and from oligarchical society more specifically. Human beings do not descend from past history, but rather, they ascend from the future. Lyn made this very crucial point in August of 2012, when he wrote:

“The time has now come, when we must discard the silly suggestion that successive generations should “descend” from their parents. Sometimes that happens. It should not be the limit foreseen. Unfortunately, foolish people often tend to follow the idea of a descending direction of history.

“‘Descent,’ in a certain sense, does predominate in the long history of the evolution of living species other than mankind, as it appears so to the present time. Mankind is, nonetheless, the intended design of a species, our own, with a different consequence from all known other species. We, therefore, must cease to behave as if mimicking the beasts. We, of the human species, must accept our assigned devotion to perpetual progress, as if from the child of God, to that child’s avowed descendant, not of death, but of the rebirth of mankind for a higher and more potent mission within this Solar system, and as higher within this galaxy than has been known to us heretofore.

“That is no mere wish. It is, ultimately, the only principle worth knowing.”³

³ Lyndon H. LaRouche, Jr., *Mankind's Galactic World History, a Beginning: The Evolution of Our Species*, EIR, Vol. 39, No. 30, August 3, 2012, pp. 4-5.

Lyn identified this incommensurable principle of history as the fundamental time reversal principle of the Noosphere, otherwise known as the *noetic perspective of the complex domain*, the same domain as exhibited, for example, in the construction of the Great Pyramid. This *complex domain* is not a more complicated deductive-logical domain or a more sophisticated animal sensory device; it is a state of mind oriented toward the future; that is, belonging to the galactic epistemological domain of bringing the future into the present through advances in technology, in opposition to the cult of the dead domain which comes down as the inheritance from the past.⁴

It is from this ironical vantage point of the future that one must understand how the architect of the Great Pyramid of Giza in Egypt did not provide us with a means of focusing on the past as a tomb for dead pharaohs but as a time reversal challenge of discovering the pathway to a discovery of principle, as a demonstration of how creativity works. The knowledge displayed by the architect of the Great Pyramid is still to come at some future time because the truth of what he carved in these stones is still hidden as an incommensurable knowledge of creativity. Such knowledge, however, is not a percussive form of action or some action at a distance because it excludes the notion of force. It is a willful force-free form of knowledge which every human being has the ability to discover before the 26,000 year deadline of 21,810.

The Great Pyramid was possibly erected around 3,440 BC or more likely around 2,170 BC. Scottish Astronomer Piazzzi Smyth identified those two years as the time when the star Alcyone of the Pleiades was at the meridian above the pole and when the pole star alpha Draconis was in direct line of sight with the descending passage of the Great Pyramid at midnight on the day of autumnal equinox in those two years. In other words, the Center of the Great Pyramid is to

⁴ As Lyn stated in *The Meaning of the Term 'Transfinite'*, Internal Memorandum, Nov. 7, 1988, p. 54. "Unlike the beasts, whose range of adaptive behavior is delimited by inheritance, mankind has no fixed range of adaptive behavior of this type. Relative to this, technological progress represents a succession of willful changes in the adaptive behavior of the human species. These changes are not narrowly technological in range of practice directly flowing from them; they are nonetheless coherent with the change in physical productivity, modes of work, market-baskets, and general potential population-density made feasible through those changes in behavior which bear directly upon technological progress. They all have some necessary sort of bearing upon the effective result of technological; progress, or of lack of it."

Alcyone as its descending passage is to alpha Draconis. This “incommensurable anchor’ of the Great Pyramid represents the fundamental principle of change in the universe for all times to come as was later expressed by Heraclites in his famous statement: “*Everything changes except change itself.*” The only thing that doesn’t change is the eternal framework of incommensurables; that is, *change itself*. Here, the case in point is the incommensurability between the creative human mind and the heavens. Once this is understood, the question then becomes: Could the four sides of the Great Pyramid be the conformal mapping of the four quadrants of the northern celestial hemisphere? As Nicholas of Cusa later articulated the same proportion: “man is to God as the polygon is to the circle.”

Let’s have a look at the incommensurability of the Great Pyramid proportion as I had investigated it during the summer of 2004.⁵ Why is this great proportion so important? Because it is galactic; because the axis of projection of the Great Pyramid of Egypt has been originally taken from the top down, from the Celestial Pole Star Alpha Draconis and Alcyone, at thirty degrees latitude to the Earth’s north pole on the plateau of Giza in Egypt, establishing the proper astronomical galactic calendar with a cycle of 26,000 years of the precession of the equinoxes. The astronomical reason for the existence of this 26,000 year cycle may not yet be fully understood by man today, but, when projected from the sphere of the heavens to the fixed 26°, 17’ angle relationship of the descending shaft from the Pole Star, the orientation bears a very unique constructive measure of composition to the monument as a whole.

It is such a physical measurement between the Great Pyramid and the cycle of the precession which establishes the monument’s unchanging relationship between the Earth and the heavens. It is that meridian alignment which fixed the pole alignment of the Earth with the location of the center of the Great Pyramid at 30° latitude in the plane of Giza. As will be shown below, it was from such an alignment that the slopes of the meridian triangle of the Great Pyramid was established at approximately 52 degrees; that is, following the golden section of the

⁵ Pierre Beaudry, [Pythagorean Spherics: The Missing Link Between Egypt Greece](#), 21st Century Science and Technology Magazine, Summer 2004.”

Divine Proportion.⁶ Such an incommensurable proportionality may also be expressed as two mean proportionals between a radius and a diameter of the circle circumscribing it.

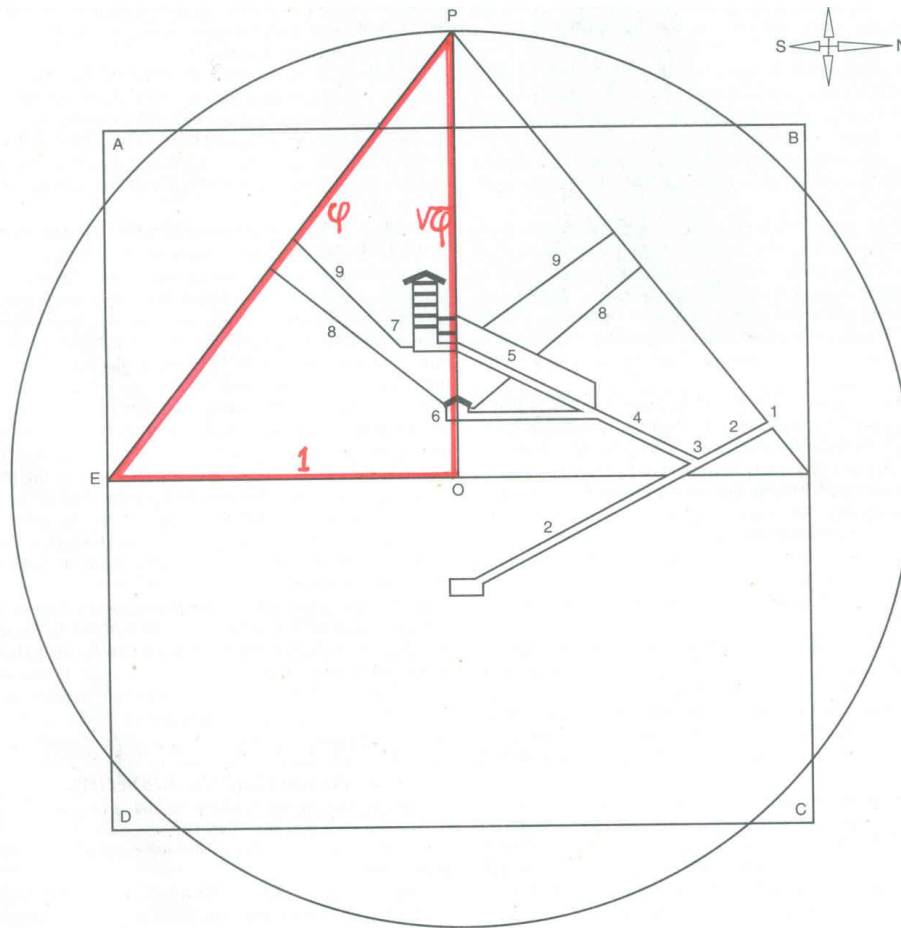


The Great Pyramid medallion shows a close approximation to the proportionality of Archytas' Doubling of the Cube.

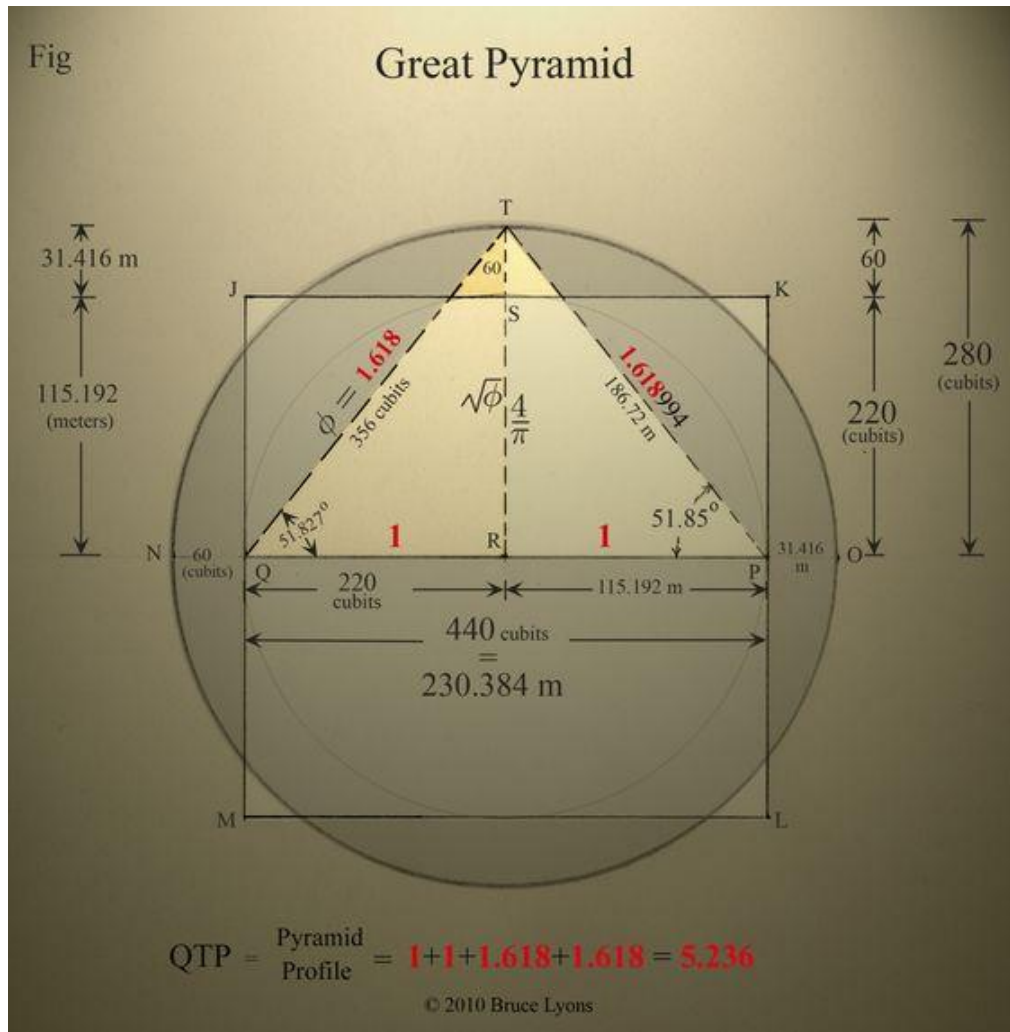
The radius of the circumscribing circle of the Great Pyramid's meridian cross-section is to the height of that pyramid as the height is to the slant of its sides in the same proportion as the slant of its sides is to the diameter of the circle circumscribing it.

⁶ According to Egyptologist Joseph Seiss, the side angle of the Great Pyramid is $51^{\circ} 51' 14.3''$. Joseph A. Seiss, *The Great Pyramid: A Miracle In Stone*, Steinerbooks affiliate of Multimedia Publishing Corp, Blauvelt, N.Y., 10913, U.S.A., 1877 p. 48..

What is to be discovered, here, is that the measure of *change itself* is the higher form of measurement of the human mind that the architect of the Great Pyramid is teaching us. It is not the linear measure of the sacred cubit as such that is important. It is the non-linear way of thinking in terms of incommensurables; that is, by way of relating different kinds of incommensurable realities, such that straight is to circular, as the flat is to the spherical, like the human is to the divine, etc. This is also how the minimum can be compared to the maximum.



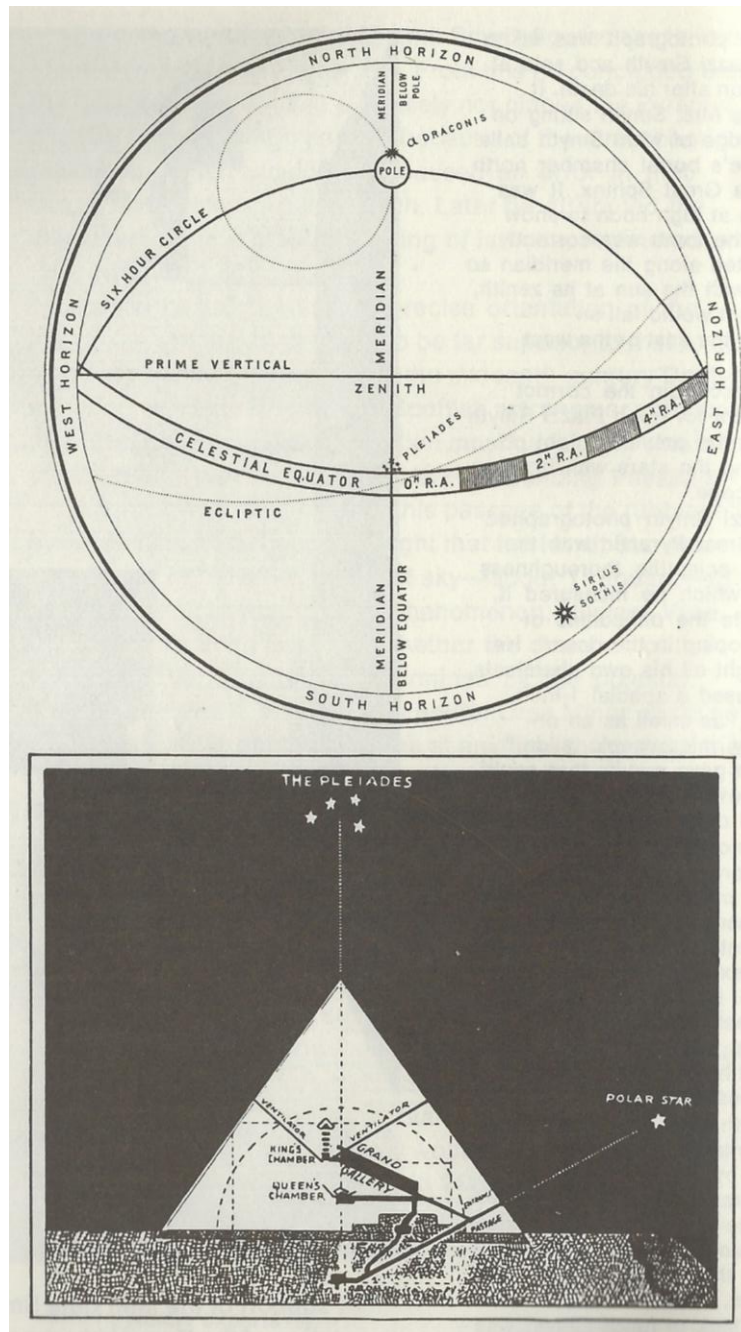
The golden section of the pyramidal triangle. The Great Pyramid squaring of the circle. A, B, C, D represents the four corner casing-stones of the pyramid base where the length of its four sides is equal to the circumference of the circle. Source adapted from J.P. Lepre, *The Egyptian Pyramids, A Comprehensive, Illustrated Reference*, (Jefferson, North Carolina and London: McFarland & Company Inc., 1990). From Pierre Beaudry, [*Pythagorean Spherics: The Missing Link Between Egypt Greece*](#), 21st Century Science and Technology Magazine, Summer 2004, p. 53.



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The fascinating aspect of this Great Pyramid projection inside of a square and circle is that this method of squaring the circle also generates the golden section of the Divine Proportion. In his *Secrets of the Great Pyramid*, Peter Tompkins noted insightfully that with such an “incorporation of the Golden Section, the Great Pyramid provides an effective system for translating spherical areas into flat ones.”⁷

⁷ Peter Tompkins, *Secrets of the Great Pyramid*, Harper Colophon Books, New York, 1978, p. 190. I recommend the reading of Tompkins’ Chapter XV. The Golden Section, pp. 189-200.



Piazzi Smyth's incommensurable relationship between the Great Pyramid and the Heavens.

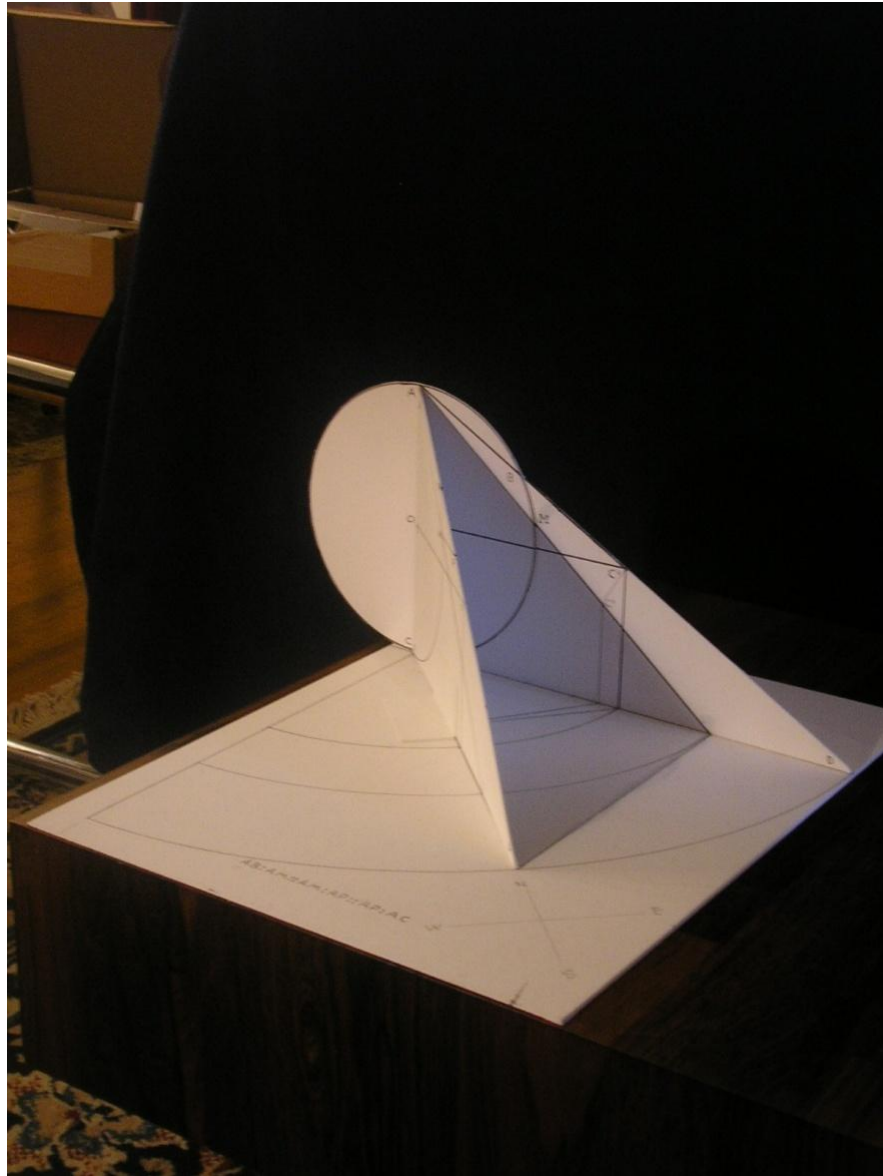
Even though the squaring of the circle may be a mathematical impossibility, it is nevertheless possible to resolve such incommensurability between the square and the circle by means of a golden section construction.

THE GOLDEN SECTION AS A STANDARD OF MEASURE

The very structure of the Great Pyramid expresses the principle of *change and no-change* in a very unique way, because the constant axis of its original location at 30 degree of latitude of our planet's northern hemisphere never changes with respect to the Celestial North Star orientation, and yet the entire sky above changes at every moment, including the Pole Star itself during a cycle of about 26,000 years known as the cycle of precession. How can the Great Pyramid be in such synchronization? What is it that locks permanently this incommensurable relationship between the Earth and the Heavens? What is there to discover in the Great Pyramid of Egypt other than the fossil remains of an early conception of the Noosphere?

When the Earth rotates on its axis, it makes constant daily revolutions always in the same clockwise direction from the South Pole through the center to the North Pole. When that daily rotation takes place, the axis also moves inversely around the ecliptic as if in accordance with the "day of the gods" which takes 26,000 years to rotate within the galaxy. By using such a double-orientation of daily changes as the base line for the construction of the Great Pyramid, the architect determined that such a permanent axis of change, from the center of the square frame of the pyramid, would be the unmovable anchor of the entire construction oriented both on alpha Draconis and the Pleiades at midnight, on the day of the autumnal equinox.

Starting from this original idea, the architect created an imaginary model illustrated by the figure above whereby the central triangular figure would represent the outline of the pyramid in such a manner that the perimeter of its four corner-casing-stones would be to its height as the radius is to the circumference of the circle. *Thus, an incommensurable standard of measure had been established in the Great Pyramid for all time to come and from which every other measure was to be derived.*



Polar spherical projection of the Great Pyramid golden shadow triangle from the latitude of 30° latitude on the Giza Plateau.

Then, something very special happened. How was the Great Pyramid meridian circle generated in light of these conditions? If one follows the conceptual framework of Piazzesi Smyth's illustration, and locates the Great Pyramid at 30 degrees latitude from the North Pole of the Earth, the rotation of half of an equilateral triangle through a sphere at that point shows that the pyramid is in fact at Giza in Egypt. The current recorded latitude of the Great Pyramid is

29.9792° N. As the figure shows, the geometrical projection of such a location generates in the plane the shadow of the Great Pyramid Golden Triangle. This raises three questions: Why does the incommensurable relationship of the Great Pyramid at 30 degrees latitude north generate the proportions of 52° and 76° for its meridian triangle? Why does 1/8th of a spherical rotation with half an equilateral triangle generate in the plane the golden triangle shadow? Why does the rotation of this whole system at right angle to itself generate the Archytas double mean proportional for doubling the cube?

I cannot answer these questions yet, but I can say that the standard of measure is no longer the “lesser than” or the “greater than” of some linear extension; we are no longer dealing with a measure of length but a measure of incommensurable proportion. However, what can also be said is that the new proportional measure is such that each new circular action added to a previous one causes a new incommensurable higher domain to be investigated. This process can best be expressed metaphorically as follows.

As John Taylor discovered, it is the golden mean proportion and the relationship it has to the incommensurable value of π which is the measure of this process of construction. In other words, it is the apparent insolvable mathematical problem of squaring the circle which is the metaphorical basis for the incommensurability of Pythagorean Spherics as well as the basis for Vernadsky's Biosphere and Noosphere. The fun part of this, however, is that such incommensurability can only be gotten by a constructive geometrical method, which must again become, today, the standard method of practicing science.

In his exceptional book on the Great Pyramid, *A Miracle in Stone*, the American Egyptologist Joseph A. Seiss, reported the following galactic form of thinking which the English publisher, John Taylor, of Taylor & Hessey Publishers, had recognized in the Great Pyramid. Leaving aside the religious overtone of his statement, one can easily understand the incommensurable implication of what Seiss wrote about Taylor's discovery:

“Without having seen the Great Pyramid, but on the basis of the fact recorded by others, he (Taylor) gave it as his theory and conviction that the

real architects of this edifice were not Egyptians, but men from quite another faith and branch of the human family, who by an impulse and commission from heaven, and by the special aid of the Most High, induced and superintended the erection of that mighty structure as a memorial for long after times, to serve as a witness of inspiration, and of the truth and purpose of God, over against the falsities and corruptions of a degenerate and ever degenerating world. In other words, he claimed to find, in the shape, arrangements, measures, and various indications of the Great Pyramid, an intellectually and numerical knowledge of grand cosmical phenomena of Earth and Heaven, which neither Egypt nor any of the nations possessed, or could even understand, from a thousand years ago, back to the origin of nations.”⁸

The point I wish to make, here, is that unless one investigates the reason why the Great Pyramid was built, there is no justifiable purpose to have any interest in studying such a monument otherwise. That is why Seiss' statement is so significant. Such an insightful statement must arrest our attention for a moment and force us to read it again, because many things have been said about the Great Pyramid, most of which missed the crucial point which is its *incommensurable measurement*. The question is not: what are the exact linear measurements of the Great Pyramid, because that can only lead to discord between competing geopolitical rules and measures from different nations (as for example the French meter system and the English foot).

Rather, the question is: why was the Great Pyramid built with the well ordered measurements that it has within all of its parts in relationship to the “immortal stars” of the heavens, and what was the principle which stood as the standard of measure for its erection? Very few researchers have been able to answer this question properly, let alone ask it, except for John Taylor, the publisher of our beloved poet John Keats, according to whom the architect wanted to give the world a sense of *measuring the power of the human mind with respect to the*

⁸ Joseph A. Seiss, *The Great Pyramid: A Miracle In Stone*, Steinerbooks affiliate of Multimedia Publishing Corp, Blauvelt, N.Y., 10913, U.S.A., 1877 p. 33. See also: John Taylor, [*The great pyramid; why was it built: & who built it?*](#) Longman, Green, Longman, and Roberts, Cambridge University Press, 1859 (London).

incommensurable knowledge of God. Taylor gave a curious but insightful proof of his hypothesis when he wrote:

“In 1840, the late General (then Lieut-Col.) Howard Vyse rendered an important service to science by publishing the results of his investigation into the present condition of the Pyramids. His researches have added greatly to the extent and accuracy of our previous knowledge. He did not measure the length of the base of the Great Pyramid with greater care and precision than those who immediately preceded him, but he corroborated their measures; and he introduced a new element of certainty into the discussion, by discovering two of the *casing-stones* in their original position, *which enables their evidence to be brought to bear on the relative proportions of the height of the Pyramid to its base.* (Emphasis added) We acknowledge, with pleasure, our obligation to this noble-minded man, who prosecuted his inquiries with great ardour, and must have incurred a heavy loss by presenting his country with that splendid work which he published at his own expense. If he had contributed, as we believe he has, to the elucidation of the purpose for which the Pyramids were built, that circumstance alone will constitute a monument to his memory more lasting than brass or marble.”⁹

The secret does not lie in the *casing-stones*, as such, or in any measure of extension, as such, but in the relationship between the human mind and the heavens whose proportionality is provided by squaring the circle through the golden mean of its meridian triangle as an *incommensurable form of measurement*. The area of the circle is $\pi\phi$, when the radius is $\sqrt{\phi}$. Since $\pi/2 = 2/\sqrt{\phi}$ within a very small margin, then π may be taken for the equivalent of $4/\sqrt{\phi}$. I know this is just an approximation, but you don't have to do the math; do the construction of the incommensurable yourself and you will discover the proportion for yourself. The math should simply confirm the construction, unless some cunning genie misleads you by giving you faulty numbers. This is how Lyn put it:

⁹ John Taylor, Op. Cit, p. 5.

“And we have to start from the galaxy, as we did, in this function: That’s the genius of it! We start from the galaxy; we don’t try to build up from inside the Solar System into the galaxy. We go the other way around. The best thing we have now is the galaxy. You take the galaxy as a whole, and this entire function, and start from there.”¹⁰

So, how is galactic knowledge organized? Like a continuous series of incommensurable manifolds connected in the simultaneity of eternity. LaRouche demonstrated its economic intelligibility of this process as an incommensurable as a continuous series of discontinuous mathematical singularities which cannot be measured by linear measure of a discrete manifold.

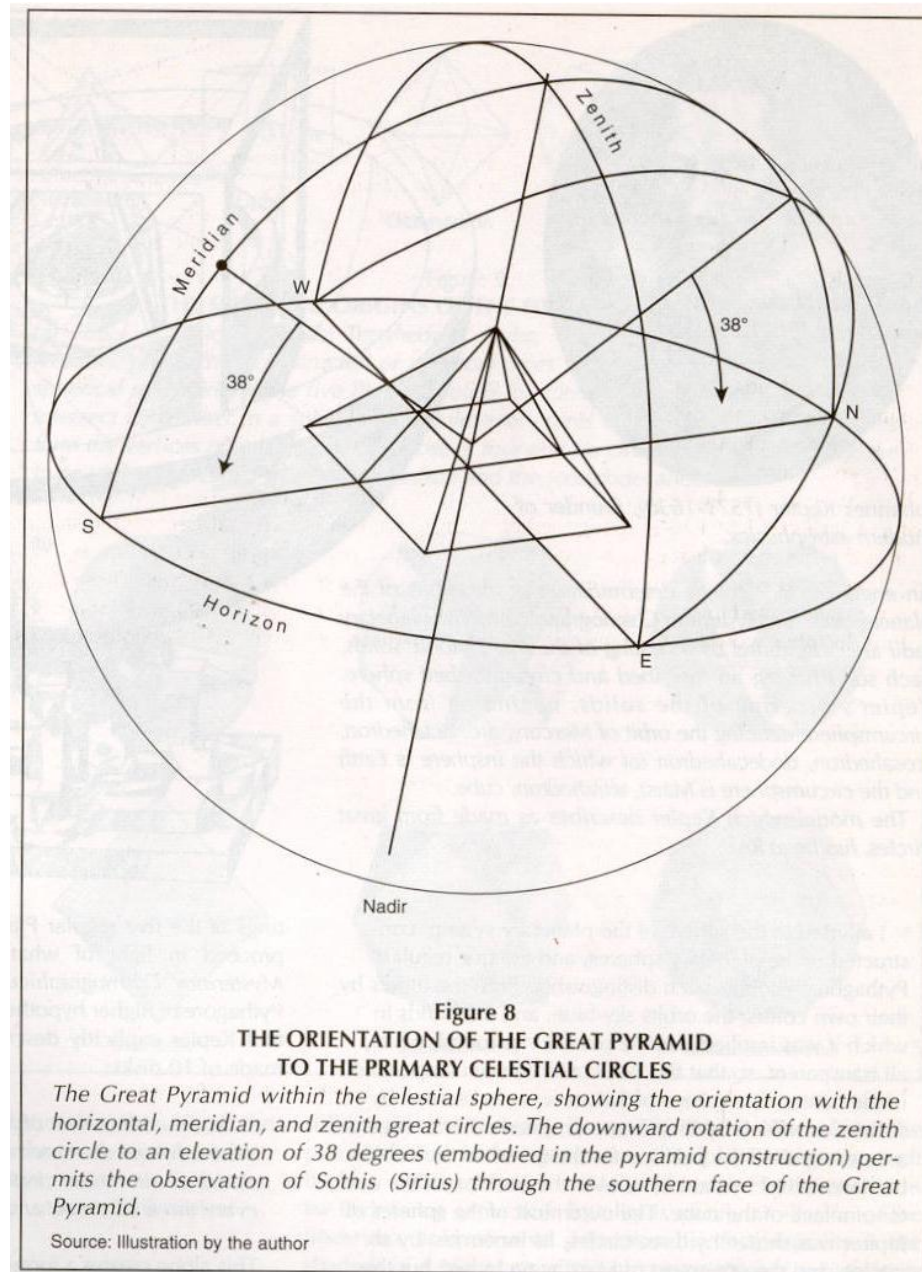
THE EQUINOXIAL YEAR DETERMINING THE SIDERAL YEAR

The immeasurability of the equinoxial year is such that the constancy of “*change itself*” can only be measured by time reversal from the future and from the four casing-stones of the heavens as four cardinal points; that is, from 26,000 years in the future, when the astronomical observation shafts built inside of the Great Pyramid shall, once again, come into alignment with Alpha Draconis in sync with Alcyone. The curious thing about this, however, is that, in the meantime, there exists a significant anomaly to deal with. The Noosphere is not located in the galaxy as some fancy of the imagination; it is the fancy of the imagination which locates the galaxy within the Noosphere. In other words, the domain of the *cognitive* is not located on Earth with respect of the galaxy; the cognitive domain is what determines and gives direction to the galaxy as a whole. I recall, here, the dialogue that Lyn had with the Basement team on this subject:

“The point is, you don’t have a separation. You don’t have a galaxy in which life comes about as a mushroom or something. The point is, the galaxy itself is organized by these distinctions, including the cognitive. And where’s the cognitive in the galaxy? It’s us! The problem with that, is that most people don’t know what the human mind is. It is defined in common usage as an extrapolation from studies of sense perception, and reactions to

¹⁰ Lyndon H. LaRouche, Jr., [LaRouche/Basement Team Dialogue: Mind Is the Principle of the Universe](#), EIR, Vol. 37, No. 41, October 22, 2010, p. 11.

it. Which we know is false. Because the human mind is not based on sense perception. So practically all of psychology, as taught, is garbage! It doesn't understand how the human mind functions.”¹¹



¹¹ Lyndon LaRouche, Ibidem, p. 12.

The main changing angles for the construction of this celestial sphere are $90 - 30 = 60$; $90 - 38 = 52$; and $38 - 22 = 16$ degrees. These spherical angles provide the required measures for the construction of the sphere generating the Five Platonic Solids. [Illustration by Pierre Beaudry]

The galactic thinking of the Noosphere is also confirmed through the Keplerian harmonics of the Solar System as through the biquadratic proportioning of the sphere of the Five Platonic Solids, through the proportionality for the Doubling of the Cube as well as through the Lydian partitioning of the well-tempered musical system with respect to the register shifts of the human voices. This quadrivium, in itself, should suffice to indicate where to locate the Noosphere as the power of mind of the ancient Egyptian idea of forecasting the future by establishing such a standard of measure for all time to come. Just rotate the Great Pyramid $1/8$ of a turn inside of the sphere and you are on your way to mapping the Noosphere onto your mind. That is the way to deal with the phase space of Spherics from whence galactic thinking is composed; the Noosphere of the galaxy! How does it work?

As Lyn indicated, the universe is organized as a process of development of the Noosphere from the very beginning and for all of creation, whenever that may have been, and that included life as a superior form of universal galactic process as well. So, the question is where is the Noosphere located within the galaxy? What form does *noesis* take within the galaxy? The form is the scientific knowledge of universal cognition.

Recall to mind, here, what Lyn said about Kepler's discovery of principle in his *Harmony of the World*: how do you cause something to happen in the universe? Do you push or pull on things to make them work? Do you make use of force to cause something to change? Did Kepler discover a mathematical formula for the solar system? Did he find some secret knowledge that was located in the Sun or in the planets? No. Kepler found something that was in his mind, something that he contracted when he was gathering his data and was making his daily observations. And his secret was not in the data or in the observation, neither was it in the relationship between celestial bodies as such; it was in the ability of the human mind to discover how to shape history by figuring out through the shadows of sense-perception, how to determine and shape the future as an incommensurable

change to be made by mankind as a whole. He discovered that he had the power to generate causality, himself, through the ordered deformity of shadows and he provided us with the knowledge that would improve our own future. Lyn did something similar with the idea of the incommensurable function of the Great Pyramid in history. He said:

“The name of “history,” has two contrasted references. One is history as expressed in a chronological order of events; the other, is expressed as the qualitatively superior, internal history of the flow and ebb of those cardinal ideas which generate those changes in physical states, the results of which are expressed in the form of the effective outcome of that which is experienced as merely enumerable chronological history. For example, in the history of ancient Egypt, the idea associated with the erection of the Great Pyramid, stands out as a symptom of a cardinal quality of existence in time, as does, similarly, the impact of the role of that intellectual giant of Egyptian science, the Platonic Cyrenaican Eratosthenes. Similarly, consider the qualitative difference of the Constitution of the United States, and the effects of that aspect of history, from the course of ordinary events in current world history otherwise.”¹²

How do you relate the idea of the Great Pyramid, Eratosthenes, and the Constitution of the United States?

CONCLUSION: THE FUTURE AS A NATURAL STATE OF THE HUMAN MIND

As Lyn demonstrated countless times, the crucial distinction of the human mind from all other animals is the power to experience the future in the present. That is the true domain of practice of the Noosphere; that is where the Noosphere is located. That requires the fostering of great classical art to replace the current forms of popular entertainment and the evil of contemporary art forms.

¹² Lyndon H. LaRouche, Jr., *The Creative Individual and Economic Progress: This Present Century: The Secret Economy's Outlook*, EIR, Vol. 45, No. 5, February 2, 2018, p. 48.

Great musicians and great tragedians have mastered the art of addressing the future of human behavior as a form of artistic composition which were catalogued as fictions, yet, the irony is that such great tragedies as Aeschylus's, Shakespeare's, and Schiller's portrayed have more to do with the real world than the sense-perception lies of fictions that most people believe in during their day to day lives. How can the knowledge and practice of such a future become a habit of the human mind? Lyn's answer is the following:

“On this account, the mental disorder which I encounter, frequently, among my young associates, and also numerous others, is the inability to grasp the fact, that the only thing in life, for mankind, is the birth of the future. Deductive people often seem to be very much like those virtually dead, but still living people whose dominant characteristic is the lack of a practical approach to dealing with a future which they have yet to meet, but which is moving to take them over sooner than they might allow themselves to imagine. For them, the future lies only in the proximate consequences of dumber-down past experience.” [...]

“Think of deceased great artists, statesmen, and true heroes from times recently past. Which, young or old?—might prove to have been the more valuable to the cause of humanity? It is the deed in history of past and future, which is the standard of truth, if one can discover the identity of the actual author. If one has not worried about the outcome of one's life, more in terms of benefits delivered to others, as in the future, more than what is the immediate experience of now. “Truth,” for most Americans, for example, presently, is little better than what they find it convenient to say in the presence of the proximate persons in the practice of the policy of lies one tells as a matter of, “Go along, to get along.”¹³

If the great majority of the world's people follow the tendency of *going along to get along*, then, mankind is doomed to miss the lift-off of its destiny to the

¹³ Lyndon H. LaRouche, Jr., [Music & Biology: The Human Mind: Two Views](#), EIR, Vol. 39, No. 30, August 3, 2012, p. 61.

stars in the immediate future ahead. If, on the other hand, one imagines the period ahead to be oriented toward the exploration of the solar system and the experience of living in extraterrestrial space as the new mission oriented domain for most individuals on this planet in the future, then the truth of the future will bring mankind to the required level of adulthood necessary to be adopted for its survival as a whole. Otherwise you can forget it.

This reminds me of the need to keep on looking for the mode of communication among truthful ideas throughout history and how that may be related incommensurably to the movements that flocks of birds go through in their aerial turning maneuvers and how they are kept together by some similar communicable principle.

I thought that since most of the wing-stroke frequencies of birds have approximately the same value as the whole electrical field they produce as a flock that there might exist some “flock principle,” like the One and the Many, which birds might be able to teach us in their form of communication. I guess this is my way of dealing with the paradox of going against the “going along to get along” principle that Lyn has taught us to master.

Thus, the great challenge for mankind today, the great future which is already demanding a contribution from all of us, is mankind's *extraterrestrial imperative*, as Krafft Ehrlicke called for. This is not science fiction; this is reality as the collaboration between SpaceX and NASA recently demonstrated by reviving America's space exploration. God did not create man such that he can destroy himself after a few millennia of illusionary progress. Lyn wrote:

“We have, lately, been confronted with the essential need, for the continued existence of the human species, of mankind's accelerating progress in the role of increasing the science-dependent capabilities for the very continued existence of the human species. We cannot, under existing circumstances, continue the imposition of practices comparable to slavery or serfdom on our planet. The very continued existence of the human species is becoming conditional on such means to secure continued human existence, not only within the range of current trends for Earth in the galaxy presently,

not only within the galactic pattern Earth is entering presently, but, rather soon at increasing risk to Earth's existence within the Solar system itself.

“These dangers could be addressed by science-driven progress. The notion that a Creator would have desired the extermination of the human species, would be a terribly evil delusion by the proponents of such a cause.

“The categories of human-driven advances in qualities of the means on which continued human existence depends, can therefore be attributed to the monsters who conducted the siege of Troy and the siege's outcome, but not to honest human beings. Further, there is no speculation, but only fact, in stating that the oligarchical system's record is that of something evil.

“In any case, while the immediate prospects of mankind's continued existence under a science-progress increase of the relative energy-flux density of applied power per capita and per square kilometer on Earth itself, is the prospect for nations under sane rule, there is a danger of a future dysfunctional state for human existence on Earth. Naturally, mankind must enhance the conditions of life for our species, and we must favor the likeness of a “running start” for meeting the indicated ultimate contingency. This means a great deal of development of the human species itself is required in advance of the time (within the currently estimated two billions years left for the Sun) for securing and moving the entire “circus company” to new premises. Hope for a happy outcome is highly desirable, but that will take a bit of doing, especially if we are unduly laggard.

“However, that much said on that, on this occasion, our obligation, beginning now, for example, is to proceed with that long-term development a human species far more capable of doing its duty in the universe, than is within our reach at this time. The best advice is to enjoy a long journey.”¹⁴

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¹⁴ Ibidem, p. 65.