



## **GALACTIC THINKING AND THE DELIAN SOLUTION**

How to Understand the Current World Strategic Situation  
by Irene and Pierre Beaudry, April 10, 2015



*“Don’t react, just act to change the past.”*

Dehors Debonneheure

### **INTRODUCTION**

It seems that Europe has come to the end of its rope in all of its attempts to force Greece to stay in the Union and continue to pay an illegitimate debt incurred by the Troika (The International Monetary Fund, the European Union, and the European Central Bank). The problem is not the bankruptcy of Greece; the problem is the bankruptcy of the European Union. In fact the European Monetary Union has reached the point of no return in its desperate attempts to keep the Atlantic monetary Titanic afloat while Greece has already one foot in the new galactic lifeboat of the Asian-Pacific-Renaissance of the BRICS process.

At the outset of the Budapest talks of April 7, 2015, the discussion of an alternative to the failed “South Stream” pipeline into Europe, Greece, Turkey, Serbia, Hungary and the former Yugoslav Republic of Macedonia, have come to an agreement in deciding to participate in the Russian plans to establish the New Turkish Stream pipeline for the development of a new Europe. With the Russian Turkish Stream coming into Greece and the privatization of half of the port of Piraeus for the benefit of the Chinese maritime company Cosco, the world is witnessing the surrendering of Europe to the higher galactic forces of the BRICS.

The irony is that on April 8<sup>th</sup>, Greek Prime Minister, Alexis Tsipras, and Russian President, Vladimir Putin, signed a “win-win” agreement of partnership which has the power to cause a paradigm shift in the entire world strategic situation. This is the dilemma that Tsipras posed before Russian students while in Moscow: “It is impossible to build European security

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without Russia, let alone against it.” In a sense, what Tsipras was putting before them was the equivalent of the Delian dilemma of doubling the cube. However, the issue is not Russia, Greece, and the BRICS. They have already figured out how to double the cube. The problem is the insanity of European and American geopolitics.

I also remind the reader that on March 19, 2015, Russian President Vladimir Putin signed an agreement with the President of Cyprus, Nicos Anastasiades, giving the Russian Fleet access to Cypriot ports in spite of the fact that it was Russia that lost \$151 billion in capital outflows from Cypriot banks last year, not Cyprus. From the vantage point of Russia, the issue is obviously not geopolitics, because it is obviously not money. The beauty of the current strategic situation is that the European Troika is faced with the Delian Problem of doubling the cube, and the Greeks know it. I think the rest of the world should know about it too.

I remind the reader that the Delian Problem consisted in discovering a way to double the cubic Altar of Apollo in order to stop a disastrous economic breakdown of the Island of Delos during the time of Plato. The underlying dilemma behind this question was: “Will the Delos citizens be able to break with the axioms of their bankrupt cultural system and resolve the apparently impossible problem of discovering how to think galactically?”

As Lyn put it to EIR on April 6, the European Union’s “hard line is going to sink Europe, its derivatives markets and bankrupt banks, not Greece. Greece needs economic development, not money, and that’s what being discussed with the BRICS. [...] and Putin will back Greece up. We don’t know exactly the measures he will take, but they will be sufficient.” (Morning Briefing, for Tuesday, April 7, 2015) So, how do you solve this Delian Problem from the standpoint of mind?

## **1. THE POLITICAL NECESSITY OF UNDERSTANDING THE DELIAN PROBLEM**

Our Western culture has degenerated to such a degree since World War II that people cannot figure out what went wrong, when it went wrong, and why. As a result, nobody seems to be able to understand why our political leaders are making such irrational decisions that will inevitably lead to killing people by the millions. Let me give you an example.

Take the water problem of California as a case in point. Everybody says that California has a water shortage. Wrong. California doesn’t have a water shortage. California has a shortage of understanding how to deal with the water distribution cycle in the Universe. (See the video of the last post I put up on my [Galactic Parking Lot](#) on April 6: [BENJAMIN DENISTON, “NEW PERSPECTIVE ON THE WESTERN WATER CRISIS”](#).)

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The fallacy of thinking that there is a shortage of water in California comes from realizing that people have not paid attention to the fact that, over the last 70 years, politicians have made believe that science is statistics and that the zero sum game has replaced physical economy. As a result, you have political idiots like Governor Jerry Brown of California considering that the solution to the water problem in California must be determined by the markets, and that water should be treated as a rare commodity.

Thus, in response, the Metropolitan Water District (MWD) of Southern California just announced, on April 6<sup>th</sup>, a plan to reduce water supplies for 26 jurisdictions and to jack up the price of water four times. Conclusion: tens of millions of people are going to move out of California or die. Brilliant: No? What are you going to do about it? This is where the solution to the Delian Problem comes in to the rescue. The solution is to think galactically.

In other words, Governor Brown has no rights to impose his flatland conception of water distribution on American citizens. This is not a matter of States right. The “right to life, liberty, and the pursuit of happiness” is a constitutional matter; that is to say, a matter of higher dimensionality. This is why Lyn indicated the most effective way to solve the problem, when he said: “If it is Brown, flush it.”

The point, however, is that the underlying tragedy underlying the Delian Problem was the cultural degeneracy of the Delos population. Their culture had declined to the point that they could no longer find in themselves the fitness to survive. This is the reason why they were right in calling on Plato, because the solution had to be coming from the outside. The situation for Europe and America is similar today; both have to call on Confucius and the BRICS for a solution to their economic crisis. See Helga Zepp-LaRouche’s EIR article of March 28 presentation at the Manhattan Schiller Institute event of New York City: [Chinese Policy Is Based on the Confucian Culture of Harmony](#)

## **2. THE EPISTEMOLOGICAL SOLUTION TO THE DELIAN PROBLEM**

The Delian problem of doubling the cube is probably one of the best historical examples of a situation of crisis in which people, faced with the necessity of making an axiomatic change in their way of thinking, found themselves incapable of using their minds properly and couldn’t solve the problem of their future economic survival, because they were clinging to their old habits of thinking by refusing to give up their old dysfunctional axioms.

The case, as reported, tongue in cheek, by Plutarch in his [De E apud Delphos](#), concerned the citizens of Delos who consulted the Oracle of Delphi for a solution to a disastrous economic situation that left them in an apparently unavoidable plague. The oracle told them that if they wished to put an end to that plague, they had to double the size of the cubic altar of Apollo at

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Delos. The oracle's demand was a typical oligarchical trick, because the doubling of the cube was not as easy as doubling the Greek debt. The Delian Problem was considered to be an impossible problem to solve.

According to Plutarch's account, the citizens consulted Plato who submitted the problem to Eudoxus, Archytas, and Menaechmus. Archytas was the only one who was able to solve the problem epistemologically by using a geometrical congruence of motions among three solids of revolution, a cylinder, a torus, and a cone. The irony, here, is that the problem could not be solved mathematically. In fact, the problem has baffled every mathematician who attempted to solve it, because the Delian Problem has no mathematical solution. The solution that is required is for the mind to make a leap into the unknown of the future, and discover an economic solution outside of the statistical evidence of the past. In fact, although the problem had the appearance of posing a cubic root problem, doubling the cube required that an epistemological jump be made to a higher dimensionality of reality that did not yet exist. So, how do you get out of a flatland universe and discover a dimensionality that will raise you to a universe that never existed before?

First, let's look at how people can be kept in flatland. Plutarch showed how you can prevent that epistemological solution from taking place with the Delphic method of population control. Plutarch wrote:

“Moreover, as Plato said, when an oracle was given that they should double the size of the altar at Delos (a task requiring the highest skill in geometry), it was not this that the god was enjoining, but he was urging the Greeks to study geometry. And so, in the same way, when the god gives out ambiguous oracles, he is promoting and organizing logical reasoning as indispensable for those who are to apprehend his meaning aright. Certainly in logic this copulative conjunction has the greatest force, inasmuch as it clearly gives us our most logical form, the syllogism. Must not the character of the hypothetical syllogism be of this sort: granted that even wild animals have apperception of the existence of things, yet to man alone has Nature given the power to observe and judge the consequences? That ‘it is day’ and that ‘it is light’ assuredly wolves and dogs and birds perceive by their senses; but ‘if it is day, then it is light,’ no creature other than man apprehends, for he alone has a concept of antecedent and consequent, of apparent implication and connexion of these things one with another, and their relations and differences, from which our demonstrations derive their most authoritative inception.” (Plutarch, *De E apud Delphos*, Frank Cole Babbitt, Ed., Section 6)

As the high priest of Apollo that he was, Plutarch's reasoning was a typical fallacy of composition, because he implicitly attributed the power of higher forecasting to the priesthood of the Oracle of Delphi while he attributed to ordinary human beings the lower power of sense perception of animals. This is what is called the Delphic method. Plutarch's error was to claim by the same “hypothetical syllogism” that the future had to be determined by the past. As he said: “*If this is, then that has preceded, and again, if this is, then that shall be.*” The evil of

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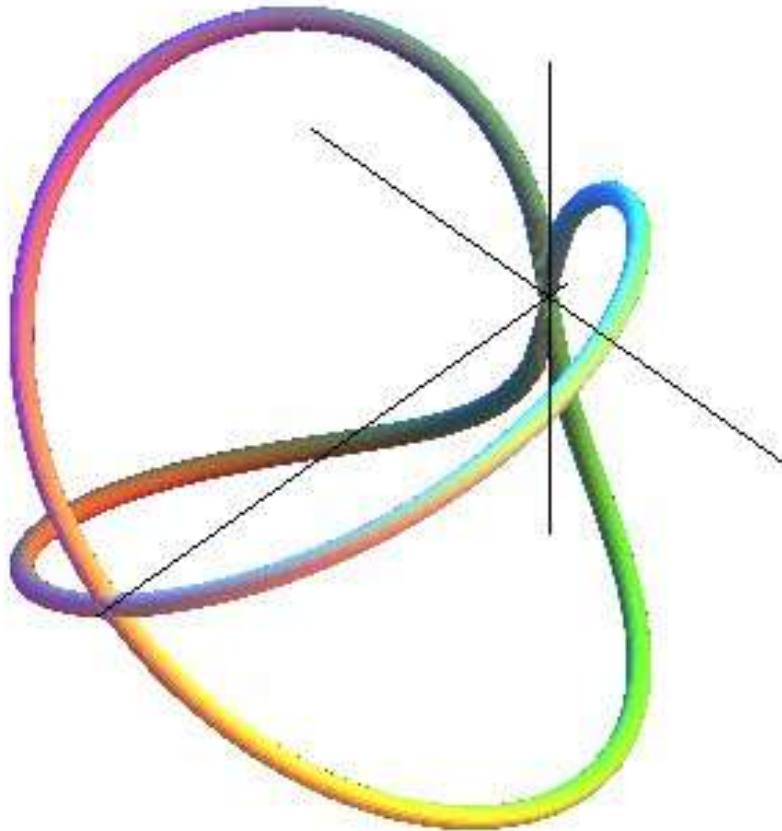
this method is that the process of cause and effect is based on action-reaction for the purpose of manipulating, controlling, and killing people. That is the method that the British Empire has been using to destroy Ukraine today. Here, one must pay close attention to the intention, because your life may depend on it. As Petrarch further elaborated on how the priest of Apollo manipulates causality:

“The god, moreover, is a prophet, and the prophetic art concerns the future that is to result from things present and past. For there is nothing of which either the origin is without cause or the foreknowledge thereof without reason ; but since all present events follow in close conjunction with past events, and all future events follow in close conjunction with present events, in accordance with a regular procedure which brings them to fulfillment from beginning to end, he who understands, in consonance with Nature, how to fathom the connexions and interrelations of the causes one with another knows and can declare: ‘*What now is, and in future shall be, and has been of aforetime.*’ (My emphasis)” (Plutarch, *De E apud Delphos*, Frank Cole Babbitt, Ed., Section 6)

This is a typical method of manipulation that oligarchs use to confuse people with and whose intention is to lead them to wars of mutual extinction. Like Americans and Europeans today, the Delos citizens were completely perplexed and were unable to solve this problem, simply because they were unable to think of how to *cause a change from the future; that is, by time reversal, and thus, by actually changing the past*. They did not realize that they had the power to decide on matters of life and death and determine what their own future could be. Why couldn't they do that? What was wrong with them?

On the other hand, let's look at how to solve the problem. The Delians probably tried to solve the problem with past knowledge that no longer applied to the new situation. That was a mistake. For instance, try to solve the problem of doubling the cube with the knowledge of doubling the square. It won't work. The later solution, made famous by Plato in his *Meno* dialogue, is crucial for the square, but is not applicable to the cube. Why? *Because understanding the flat cannot lead to understanding the solid, just as understanding the past cannot lead to understanding the future.*

In fact, the solution to the Delian Problem calls for the discovery of new knowledge which never existed before, and which requires a multiply-connected manifold of different motions interconnecting each other in such a manner that it resembles the doubly-connected self-generating curvature of a Planet moving around the Sun integrated within the motion of the Sun moving around the Galaxy. Aha! The cylinder, the torus, and the cone represent the Galaxy, the Sun, and the Earth. Therefore, what is needed to think galactically is the creation of a *curve of double curvature* similar to the one Archytas discovered for the doubling of the cube, and which had never existed before. (See **Figure 1**)

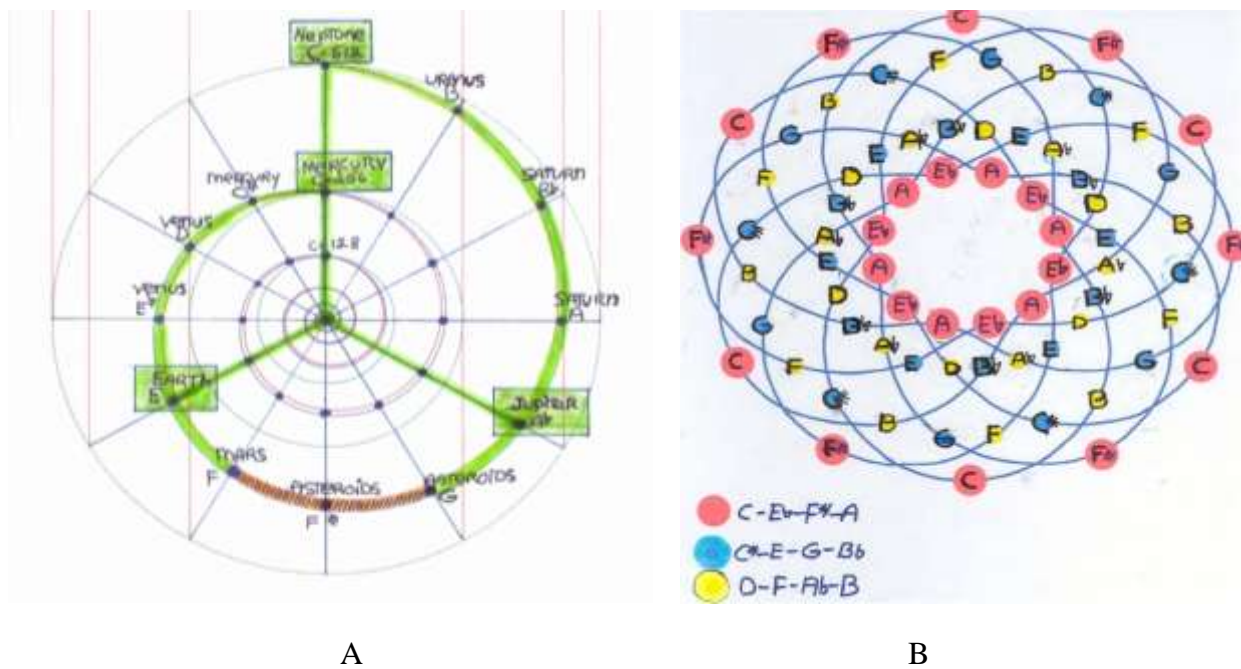


**Figure 1** The Archytas *curve of double curvature* of the cylinder and the torus. See my reports: [PYRAMID OF EGYPT AND ARCHYTAS, I](#), [ARCHYTAS AT DELPHI](#), [ARCHYTAS CONICAL FUNCTION](#), and [DOUBLING THE CUBE BY MUSICAL INTERVALS](#).

The Archytas solution leads to an amazingly bold and imaginative curvature of galactic epistemology, which was critical to solve the oligarchical economics of genocide of his time and is also critical for the current historical period before us, today. Here is the concept of curvature that the mind is required to adopt and to connect with, at the higher level of an epistemological gestalt: Let the cylindrical motion be that of the Galaxy, the toroidal motion be that of the Sun, and the conical motion be that of the Earth. Then, consider that the connectivity of the toroidal and the cylindrical motion (Sun and Galaxy) represents what Archytas had identified as “*a curve of double curvature.*” (Sir Thomas Heath, *A HISTORY OF GREEK MATHEMATICS*, Volume I, Dover Publications Inc, New York, 1981, p. 247.) Thus, galactic thinking must be as a double curvature of triple-connectivity; that is to say, of a curvature which integrates the motions of the Galaxy, the Solar System, and the Earth in a single idea.

Such a *curve of double curvature* is not a physical or a mathematical curve; this is an epistemological curve. *The double-curvature is simply the shadow of an ideal geometrical domain, which is epistemological in character and has the power to increase the energy-flux-density of your mind above and beyond the flatland outlook of practical people.*

Many foolish mathematicians have pondered the nature of this double curvature and have not been able to make any sense of it, because they had left their minds out of the equation. Not a single mathematician was ever able to come up with a satisfactory reason explaining the nature of triple-connectivity of the human mind. And, the reason for this foolishness is because people have been looking in the wrong place. This higher curvature actually pertains to a galactic level of thinking based on the well-tempered musical system. In fact, the *curve of double-curvature* (of the Galaxy and the Sun) is tuned by a third curve, a conical curve (of the Earth) which pertains to the musical Lydian characteristic of the Solar System's motion as Kepler demonstrated its nature. (See **Figure 2**)



**Figure 2** The shadow conical projection of the musical octave (A) showing the values of doubling the cube among the intervals of Mercury, Earth, Jupiter, and Neptune. How does this relate to the toroidal modular Lydian divisions (B) of the musical system as the ordering principle of planetary cycles? How do these two curves relate to the Galaxy?

THE PLANETARY ORBITS AND THE EQUAL-TEMPERED MUSICAL SYSTEM							
by WILLIAM BOHDAN							
PLANETS	ASTRO. UNITS	Log-10X	ADDED CONSTANT	MULTIPLE CONSTANT	CYCLE EQUIVALENT	MUSICAL CYCLES	PLANETS
MERCURY	(P) 0.310	0.5086	+2.496	x 128.8	255.97	C = 256	MERCURY
MERCURY	(A) 0.470	0.3279	" "	" "	279.25	C# = 271.22	MERCURY
VENUS	(P) 0.715	0.1457	" "	" "	302.72	D = 287.35	VENUS
VENUS	(A) 0.725	0.1397	" "	" "	303.49	Eb = 304.44	VENUS
EARTH	(P) 0.983	0.0074	" "	" "	320.52		EARTH
EARTH	(A) 1.017	0.0073	" "	" "	322.42	E = 322.54	EARTH
MARS	(P) 1.379	0.1396	" "	" "	339.46	F = 341.72	MARS
MARS	(A) 1.661	0.2204	" "	" "	349.86		MARS
ASTEROIDS	(P) 2.2	0.3424	" "	" "	363.32	F# = 362.04	ASTEROIDS
ASTEROIDS	(A) 3.6	0.5563	" "	" "	393.13	G = 383.57	ASTEROIDS
JUPITER	(P) 4.95	0.6946	" "	" "	410.95	Ab = 406.37	JUPITER
JUPITER	(A) 5.45	0.7364	" "	" "	416.33		JUPITER
SATURN	(P) 9.006	0.9545	" "	" "	444.43	A = 430.54	SATURN
SATURN	(A) 10.074	1.0032	" "	" "	450.69	Bb = 456.14	SATURN
URANUS	(P) 18.288	1.2622	" "	" "	484.05	B = 483.26	URANUS
URANUS	(A) 20.092	1.3030	" "	" "	489.31		URANUS
NEPTUNE	(P) 29.799	1.4742	" "	" "	511.36		NEPTUNE
NEPTUNE	(A) 30.341	1.4820	" "	" "	512.37	C = 512	NEPTUNE

**Figure 3** The Planetary Orbits of the Solar System and the Equal-Tempered Musical System.

Twenty years ago, LaRouche organizer, Bill Bohdan of Calgary established for me this simple logarithmic correspondence between the Solar System and the Equal-Tempered Musical System. Note how the proportional values for the doubling of the cube relate to the Solar System intervals among the orbits of Mercury, Earth, Jupiter, and Neptune. How does that relate to the Galaxy?

The point of connectivity of the three Archytas solids of revolution signifies that there is a mental gestalt of unity connecting the three motions of the epistemological proportionately of his model within your mind, which cannot be expressed by sense perception, but, which is similar to the galactic idea of the Maritime and Landbridge Silk Road routes of the BRICS led by China, today. Whatever resonates in one part of the system also resonates through every other part and in the system as a whole. That's the nature of the galactic curvature of the human mind's ability to solve economic problems from the top down and from the future.

However, don't make the mistake of looking for this idea from the standpoint of interconnectedness of curves; these are mere shadows. Instead, look at the interconnectedness of curves globally, from the standpoint of the Keplerian idea of incommensurable proportionality of intention between the human mind and the mind of the Galaxy.

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