



# CHINA AND THE HELIUM-THREE PROJECT FOR PEACE

The *Win-Win* Principle of *Reciprocal Proportionality*: How China Holds the Key to the Third Millennium.

By Pierre Beaudry, February 12, 2015



## FOREWORD

*“This doctrine of enfolding overlaps with the doctrine that in God opposites coincide.”*

Nicholas of Cusa, [Learned Ignorance](#)

Breaking with the axiom of “*going along to get along*” doesn’t mean you have to be contrary to what everybody says; it means that you refuse to be a slave to an accepted policy, when you know that policy to be wrong. Breaking with this axiom of belief is probably the most difficult thing you will ever undertake, because it may turn everything you have believed in up to now, upside down, and may put you in danger of losing everything, including your life. On the other hand, such an axiom busting action will liberate you, and will make you discover ideas that you never thought could exist, that the human mind develops creatively by enfolding the unity of opposites as in the Image of God the Creator.

An interesting way to understand how this works is to replicate the axiom busting idea that Cusa, Kepler, Mazarin, Leibniz, and Bach contributed to develop around the universal

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physical principle that can be called the principle of *reciprocal proportionality*. Here is how Lyn viewed the sweep of this devotion to this mission of change throughout history:

“[...] And they created and launched everything that would be decent in the planet today. Just look at what Nicholas of Cusa wrote; look at the work of this circle. Follow the trail into Kepler's work; and from Kepler into Leibniz. This is a continuity of a mission; and only devotion to that mission whose end result is what China is doing in exploring the development of the Solar System. That's what's important, because that is the means by which mankind's existence is justified. We've got to get rid of these bastards who are bringing the whole planet and the whole system to the point of complete destruction.” Lyndon LaRouche, *Morning Briefing*, February 11, 2015.)

This report has three parts:

1. WHY THE PROSPECT OF HELIUM-THREE IS THE SOLUTION FOR PEACE
2. J. S. BACH AND "[THE DREAM OF THE MARITIME SILK ROAD](#)"
3. DUMPING THE AXIOM OF GEOPOLITICS

## INTRODUCTION

*“If you are doing something easy, you are up to no good.”*

Dehors Debonneheure

The question of the Helium-Three fusion resource that the Chinese are committed to extract from the Moon should not only be looked at from the standpoint of an energy source, but also, from the vantage point of peace as amatterofmind for the future of mankind. This Chinese axiom busting policy poses, strictly speaking, the problem of the knowledge of the unknown as something that must be known as an unknown, right now. And, that becomes the key to understanding the fundamental difference between man and animal.

From the vantage point of the unknown, however, there is no getting away from this form of “[Learned Ignorance](#)” because, as Nicholas of Cusa demonstrated in creating the Golden Renaissance on his principle of *coincidence of the opposites*, and as Johannes Kepler created our knowledge of the Solar System with his *vicarious hypothesis* principle, this is the thinking that is required if we are to take the next giant step for mankind, and solve the problem posed by conceptualizing the Helium-Three question, now, before we harness it from the Moon. I discussed some aspects of this subject last year in my report: [ON THE PRINCIPLE OF CHANGE](#). At that time, Lyn posed this challenge in the following way:

“That change, if combined with a quality of change, which brings the exceptionally unique human effect of human insight, into a new, nobler quality, of a human, intellectual reality; then, a new reality emerges. Success in that intention, enables the prospectively true and new discovery, of the means for the realization of previously unknown physical principles; and, of their realization for both present and future, human use, of a progressing standpoint of mankind, now emerging from the nearer regions within our Solar System.” (Lyndon LaRouche, [\*SENSE & SCIENCE, AGAIN\*](#), EIR, January 24, 2014)

This poses the challenge of understanding Helium-Three in a unique way, because it requires that the problem becomes resolved, ahead of time; that is, that a new insight into mankind must be discovered, now, for the security of the future of humanity before we harness Helium-Three. Such an insight, which has never existed before for mankind as a whole, is urgently required in order to make the difference between the failing axiom of geopolitics and the successful axiom of the Chinese Helium-Three project for mining the Moon.

## 1. WHY THE PROSPECT OF HELIUM-THREE IS THE SOLUTION FOR PEACE

*“If this wearisome method has filled you with loathing, it should more properly fill you with compassion for me, as I have gone through it at least seventy times at the expense of a great deal of time, and you will cease to wonder that the fifth year has now gone by since I took up Mars, although the year 1603 was nearly all taken up by optical observations.”*

Johannes Kepler, *New astronomy*, p. 256

Helium-Three is a gas emitted by the Sun which is found in abundance on the Moon. On Earth, there is very little Helium-Three, because the gas is being deflected by the Earth’s magnetic and atmospheric shields.

In June 2014, a young Italian student, Fabrizio Bozzato, wrote a short but excellent article in *The Diplomat* magazine entitled [\*Moon Power: China’s Pursuit of Lunar Helium-3\*](#), where he counterposes the British geopolitical view with the Chinese view of cooperation amongst all nations. He wrote:

First, “China is what international relations scholars call a ‘revisionist power,’ seeking opportunities to assert its enhanced relative position in international affairs,” according to *Foreign Policy*. Establishing an automated or manned helium-3 operation

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on the moon would be a spectacular assertion. Second, with the inevitable depletion of fossil fuels on Earth, China would be in a position to gradually build a helium-3 empire in which it would control the supply of the lunar gas. The rise of such an empire would most likely be met with resistance. The prospect of China's energy supremacy would probably lead to pervasive geopolitical influence, cause geopolitical tension and anti-Chinese alliances to coalesce, and prompt other countries – particularly the U.S. – to hasten to the moon to break the dragon's monopoly. (Fabrizio Bozzato, [\*Moon Power: China's Pursuit of Lunar Helium-3\*](#))

This geopolitical approach is precisely to the point, if the Chinese were thinking strategically along those lines of a British mindset. However, that is not the case, because China is thinking in terms of developing the whole of mankind. This is how Bozzato projected the Chinese insight into the future:

“Still, this scenario is hardly inescapable. On the contrary, lunar exploration and resource development could end up encouraging international cooperation and build confidence. If the spacefaring nations see a common destiny, then *creative politics, diplomacy, and new legal frameworks* (my emphasis) could be used as instruments for good governance and an equitable sharing of the spoils. A new international regime for the joint development of lunar helium-3 would then be viable, with all the possibilities for the planet that would entail.” (Ibidem.)

This is an axiomatically different approach, which demands some serious reflections. It actually sounds like a good topic of discussion for the upcoming July 2015 BRICS meeting in Russia; because, considered from the vantage point of a New Peace of Westphalia benefit for all of mankind, the prospect of China's Helium-Three program might avoid us a thermonuclear war, as opposed to leading to one. But, this also means that the world has to realize that geopolitics is dead and all of the underlying assumptions that the British Imperial policy put into it for the last few centuries are also dead. [Fabrizio Bozzato is a PhD Candidate at the Graduate Institute of International Affairs and Strategic Studies – Tamkang University (Taiwan). See also Fabrizio Bozzato, [\*Moon Power: China's Lunar Helium-3 Vision\*](#), World Security Network, June 2, 2014.]

Given the complete heterogeneity between the two outlooks presented by Bozzato, how do you conceive of a solution to this problem? What method do you use? The answer is not simple, but the method for solving the problem already exists inside of this organization. You have to know how knowledge works. How, then, can we conceive of the Chinese project as a knowledge solution? As Lyn wisely indicated, the answer can be found in the Kepler “*vicarious hypothesis*.” See my report [HELIUM III OR WORLD WAR III](#).

Take the three anomalies that Kepler discussed in his [\*New Astronomy\*](#): the mean anomaly, the eccentric anomaly and the equated anomaly, and apply that *vicarious hypothesis* to the three anomalies that Bozzato identified in his Chinese solution: “*creative politics, diplomacy,*

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*and new legal frameworks.*” Add to that triply-connected world strategic situation the Mazarin principle of the *advantage of the other*, and the Leibniz principle of *proportionality between reason and power*. You are, then, on your way to discovering the human solution for the third millennium. Let me give you an example.

In the last three thousand years of human history, civilization has been dominated by physical power, chemical power and nuclear power. The present millennium will be dominated by the discovery of Helium-Three. As Jason Ross showed in a video presentation on January 13, 2015, [larouchepac.com/forgingfusion](http://larouchepac.com/forgingfusion), our ancestors of the Bronze Age had discovered an amazing method for generating copper by burning malachite with charcoal, by means of excluding oxygen from affecting the process. Such an amazing chemical process of transformation was very similar to the Kepler use of the triply-connected proportionality among three anomalies of the planetary orbit of Mars within the Solar System. The crucial point Jason made was that this reflected the boundary conditions of an axiomatic change from one millennium to the next. That alone should tell you something about the laws of the universe. Jason wrote:

“The first chemical machine was in metallurgy: The work of transforming rocks into metal was totally different than what could be done with physical machines, with cutting, grinding, pulling, scraping, banging, and heating. None of that can make copper. The charcoal fire was pulling the oxygen away from the metal in the rock, in effect, undoing the process of rusting, which is the chemical combination of a metal with oxygen. We saw this earlier, with the creation of copper from malachite. The form of processed iron you see here (**Figure 2**), called taconite, looks like balls of rust, which is essentially what it is. When it is smelted into iron, it is, in effect, un-rusted chemically, by removing the oxygen.” (Jason Ross, [Forging Fusion: Physical, Chemical, and Nuclear](#), EIR, February 6, 2015, p. 42)

Here, Jason is using the same principle of axiomatic change that Lyn identified as the power of the human mind to *increase in energy-flux-density*. In other words, with the understanding of the nature of the change that produces copper by eliminating oxygen from the mixture of malachite and charcoal, you are actually using the same principle as Cusa’s principle of *unity of opposites*, Kepler’s *vicarious hypothesis*, Mazarin’s principle of *the advantage of the other*, Leibniz’s principle of *proportionality between reason and power*, and Bach’s *Lydian principle*; that is, the principle of *reciprocal proportionality*.



**Figure 2** “Taconite, a processed form of iron ore, looks like rust. Smelting taconite to produce iron is essentially ‘un-rusting’ it.” (Jason Ross, EIR. Image from Creative Commons/Harvey Henkelmann)

The difficulty that people have in understanding this sort of axiomatic change comes from the fact that they believe that universal change comes as easy as the smooth linear passage between yesterday and tomorrow, and, therefore, they believe that tomorrow will be determined by what happened yesterday. They believe that time only moves in one direction, and without discontinuities, from past to future. That is wrong, because progress works only by time reversal.

Creative time does not go from past to future. There exists no such linear passage of time anywhere in the universe; there is always a dissymmetrical jump between yesterday and tomorrow, a chasm which is not visible but which includes a form of change which calls for a dissymmetrical inversion of what “appears” to be a continuity of time from the past to the future, but which reverse itself from future to past. However, the ability to discover such a discontinuity, or singularity, involves a leap of faith in the power of the human mind to change the universe as a whole, from the future. Most people don’t believe they have such a power.

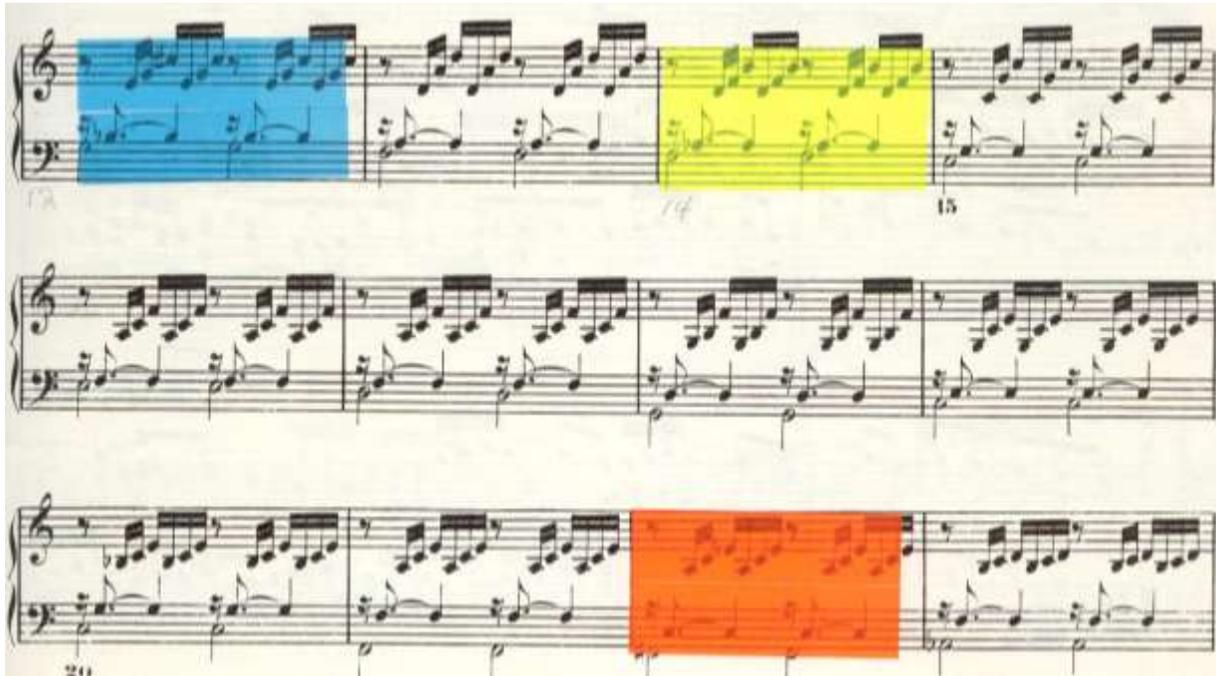
This is not a fiction about some fantastic time machine that slows time down or accelerates it by traveling close to the speed of light. This is the time of the creative process which works backward by inversion, instead of forward; that is, which causes something that never existed before to exist before it comes to be. Time reversal is a state of foresight into the future that exists in your mind before it exists in the physical reality of day to day life, and which can, and must, be known in advance in order for it to exist. This is not magical; you can actually demonstrate this phenomenon with music. In other words, you can hear what is coming ahead of time, and therefore, you can make it happen, before it comes into existence, because it is lawfully coming into existence by the necessity of your foresight.

The mental solution to this process is more complex than the physical or chemical transformation; but it is, essentially, the same expression of dissymmetrical universal progress by time reversal, which is reflected within the human species as a whole in what Lyn had originally called the power to *increase relative-population-density-per-square-mile*.

Consequently, this principle of *reciprocal proportionality* also means that your mind has the power to determine change in the universe before that change takes place, but only because that change takes place by necessity. As Johannes Sebastian Bach demonstrated, with his first prelude of the *Well-Tempered Clavier*, you are able to hear the next change before it comes, and therefore, you can generate its existence, now, before it comes into being.

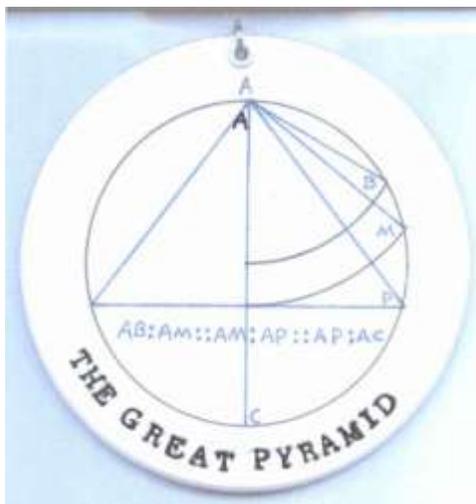
## 2. J. S. BACH AND "[THE DREAM OF THE MARITIME SILK ROAD](#)"

Take the example of the First Prelude of Bach, and ask yourself: what is the principle of this first composition of the [Well-Tempered Clavier Book I](#), and how does it establish the boundary conditions for change in every following composition of the series of 24 preludes and fugues? Bach makes you discover the future. He makes you discover how the Solar System works. But how? By determining three means of biquadratic modular clusters of Lydian intervals, which have the power to make you discover what the next step of the discovering process will be, before it takes place. Such a boundary condition reflects the nature of change in the universe as a whole and, therefore, gives you a handle on how to cause change through the dissymmetry of *reciprocal proportionality*. See my report: [LYDIAN SINGULARITIES OF GALACTIC THINKING](#).



**Figure 3** J. S. Bach, Prelude 1, in C Major. How the Bach Lydian field of dissonant singularities determines the future. One interesting aspect of this is that the three Lydian clusters are required to define the dominant, sub-dominant, and tonic of any key signature.

The three Lydian modular clusters of **Figure 3**, located at measures 12 (blue), 14 (yellow), and 22 (red), generate each other in that order of development through dissymmetrical dissonances in the ordering presented by the prelude. Each cluster is a dissymmetrical dissonance generating all of the key signatures of the next Lydian cluster by announcing their existence in advance;



that is, by time reversal. In other words, the Blue Cluster **C#-E-G-B<sup>b</sup>** generates the key signatures of the Yellow Cluster **D-F-A<sup>b</sup>-B** as the Yellow Cluster **D-F-A<sup>b</sup>-B** generates the key signatures of the Red Cluster **C-E<sup>b</sup>-F<sup>#</sup>-A** in precisely the same proportion as the Red Cluster **C-E<sup>b</sup>-F<sup>#</sup>-A** generates the key signatures of the Blue Cluster **C#-E-G-B<sup>b</sup>**. Thus, the *reciprocal proportionality* cycle is complete. This Bach proportionality is analogous to the one found in the Great Pyramid of Egypt and in the Archytas solution to the problem of the doubling of the cube.

**Figure 4** The triply-connected Archytas proportionality applied to the profile of the Great Pyramid.

| 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 5 Shadows of the musical Lydian divisions of the octave in the Solar System.

The point of the matter is that the Bach process of proportionality is the same as the one used by Kepler in his *vicarious hypothesis* defining the orbit of Mars. It reflects the dissymmetry of the triply-connected relationships among three different means that have no significance, when taken separately by themselves, but which form the unity of a trinitary function, which is created to self-generate change within the system as a whole. Similar to planetary orbits in the Solar System, the three mean Lydian clusters of Bach hold the Well-Tempered System together and make it progress like the shadow of the mind of its creative composer. The irony is that you don't need mathematics to figure this out, because it is not a measurement that holds things together; it's *reciprocal proportionality*. This is how you can free mankind from the current Zeusian system of Wall Street. See my report: [ON THE SUBJECT OF A PERFORMATIVE ARTISTIC COMPOSITION](#).

As in the case of the "[The Dream of the Maritime Silk Road](#)" dance drama presented at the United Nations New York headquarters on February 4, 2015, the idea of the subject matter, the music, and the choreography all reflected the Lydian progression that Bach developed as the means of expressing the principle of transforming human emotions as a matter of progression from one human generation to the next, and how such a progress benefits the entire world, when it includes the common heritage of other cultures; that is to say, includes the *benefit of the other*.

Although the story reflects the past, the human quality of the drama is simply an example of how to put your life at the service of a future mission. The story is about a Chinese Captain who sacrificed his life for the benefit of a Persian Prince 800 years ago. However, the irony is

that the drama is actually a courageous reflection of what to expect in the future. This Chinese Dance Drama is well chosen for our time, because it is characteristic of the rising wind of change. Therefore, when the tide rises, it is time to sail to the open sea.

**Figure 6** A simple exercise showing how the key signatures of a Lydian cluster can be generated from another cluster. In this case, the minor key changes between **C#**, **E**, **G**, and **B<sup>b</sup>** are each generated from the cluster of **C-E<sup>b</sup>-F#-A**.

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### 3. DUMPING THE AXIOM OF GEOPOLITICS

The irony of the current axiom of geopolitics is that the admitted intention behind the Obama drive toward a nuclear confrontation with Russia is aimed at “Behavior Modification.” That is quite amazing, when you think that it comes from someone who doesn’t even have a clue as to how to change his own diapers.

On February 2, U. S. Department of State Spokeswoman, Jennifer Psaki, replied to a question about the danger of war at the State Department briefing: “I don’t think anybody wants to get into a proxy war with Russia. Obama’s objective is only to change the behavior of Russia.” That is the assumption behind the regime change policy of Obama. In fact, he admitted as much, when he told RT live, on February 2, 2015 that the United States had [“brokered a deal to transition power in Ukraine.”](#)

However, that is not the assumption behind the British controllers of Obama. Whether he realizes it or not, the President of the United States is driving the world to thermonuclear war, which is what the British Monarchy intends to have. The question, therefore, arises: “What happens if the behavior of Russia doesn’t change? Will America change its own course of action with respect to the British Monarchy?”

Similarly, on the next day, February 3, the Atlantic Council, the Brookings Institution, the Center for a New American Security, and the Chicago Council on Global Affairs issued a joint-report calling for the United States to escalate their pressure on Russia by sending \$3 billion of aid, including “lethal military aid,” to Ukraine in order to further provoke Putin and force him to back down. The neo-con report concluded by stating:

“The United States and NATO must respond, both to support Ukraine and to push back against Russia’s unacceptable challenge to the post-war European security order. This will require more military assistance, some of it lethal but none of it offensive. Should we delay action, the West should expect that the price will only grow. Should we not act more robustly, we can expect to face further Russian incursions, possibly including attempts to redraw borders elsewhere, and efforts to intimidate former Soviet states into accepting Russian dominance.” ([Preserving Ukraine’s Independence, Resisting Russian Aggression: What the United States and NATO Must Do.](#))

As Lyn commented: “This is just a smokescreen for war, for thermonuclear war.” What the neo-con report doesn’t say is that the intention of this policy is what Lyn has repeatedly identified as the Satanic scheme of the British Monarch, Elizabeth II, of reducing the world’s population from 7 billion to about 1 billion people. It is a suicidal insane policy to think that you can force Russia to accept a NATO “foreign brigade” in Ukraine.

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## CONCLUSION: THE HELIUM-THREE QUESTION AS A MATTER OF COURAGE

*“And the Chinese scientists, working in space, are doing a pretty credible job, of trying to bring the Moon, the Solar System, under the control of mankind, and that’s pretty good evidence of pretty good achievement. Mankind living and dying, for the sake of the future, of the mission of mankind, and rejoicing in participating in that mission.”*

Lyndon LaRouche, *Morning Briefing*, 2/4/2015.

Accessing Helium-Three as knowledge of “[\*Learned Ignorance\*](#)” requires that the human mind look at pure evil in the face and have the courage to identify that the current ***Zeusian Beastwoman of War*** is Elizabeth II of the British Empire, and that she is committed to the destruction of humanity. That’s why Lyn emphasized that China is the only force in the world that can provide the key to the current change, because they are the only ones who have the space program to replace the Satanic British System forever.

This is how Lyn identified the strategic situation: "We're at a doomsday time right now, that war can happen early, now -- in the short term, this week, next week, in those terms. Obama is the author of global thermonuclear war!" (*Morning Briefing* for Wednesday, February 4, 2015) Thus, get Obama and his British Masters out of the way and the East can be reunited with the West peacefully through the BRICS.

This is how Mazarin achieved the Peace of Westphalia in 1648. The principle of the ***advantage of the other*** implies that when you eliminate a third enemy agent between two potential adversaries, you increase the ***energy-flux-density*** between them by turning them into partners. This is how copper became the partnership between malachite and charcoal.

As Mazarin recommended to the Ambassador from the Netherlands in 1648: “If you eliminate the difference between France and Spain, you will achieve a permanent peace for the Netherlands.” That Principle of ***reciprocal proportionality***, therefore, represents the key to Xi Jinping’s “***Win-Win***” peace solution for the Third Millennium.

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