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LaRouche: Economists Who Were Usually Stupid  
Europe's Political Earthquake Shakes British Empire  
India Looks to the Next Frontier: Fusion Power

## Eurasia Comes Together To Challenge British Empire



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Editorial Board: Lyndon H. LaRouche, Jr.,  
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#### ON THE WEB

e-mail: eirns@larouche.org  
www.larouche.org  
www.executiveintelligence.org  
www.larouche.org/eiw  
Webmaster: John Sigerson  
Assistant Webmaster: George Hollis  
Editor, Arabic-language edition: Hussein Askary

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(703) 777-9451

**European Headquarters:** E.I.R. GmbH, Postfach  
Bahnstrasse 9a, D-65205, Wiesbaden, Germany  
Tel: 49-611-73650  
Homepage: <http://www.eirna.com>  
e-mail: [eirna@eirna.com](mailto:eirna@eirna.com)  
Director: Georg Neudecker

**Montreal, Canada:** 514-461-1557

**Denmark:** EIR - Danmark, Sankt Knuds Vej 11,  
basement left, DK-1903 Frederiksberg, Denmark.  
Tel.: +45 35 43 60 40, Fax: +45 35 43 87 57. e-mail:  
[eirdk@hotmail.com](mailto:eirdk@hotmail.com).

**Mexico City:** EIR, Calz de los Gallos 39 interior 2,  
Col Plutarco E Calles,  
Del. Miguel Hidalgo, CP 11350,  
Mexico, DF. Tel 5318-2301, 6306-8363, 6306-8361

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# EIR

## From the Editors

**Y**ou wouldn't know it from the "mainstream" media, but the current world strategic situation presents mankind with a dramatic new opportunity to break out of the culture of death, war, and economic devastation which has increasingly engulfed the planet since as early as 1900. As LaRouche puts it, "the British Empire is in big trouble," as it faces two triads of opposition—one in Eurasia, and the other in continental Europe. This issue of *EIR* provides you an exciting picture of both, as well as the prospects for the corresponding change in U.S. politics and basic science which is required to realize a human future.

Our lead section (*Strategy*) presents exciting developments in the Eurasian triad, starting with the finalizing of the Eurasian Economic Union, followed by the promising first actions of the new Indian government, and an extraordinary event keynoted by Lyndon LaRouche on May 29 in Moscow, on the "Prospects for the Preservation of Mankind." Our coverage of the continental European triad (*International*) leads with Helga Zepp-LaRouche's analysis of the "earthquake" from the recent elections, which pivoted on France. Former Presidential candidate Jacques Chéménade provides an inside look.

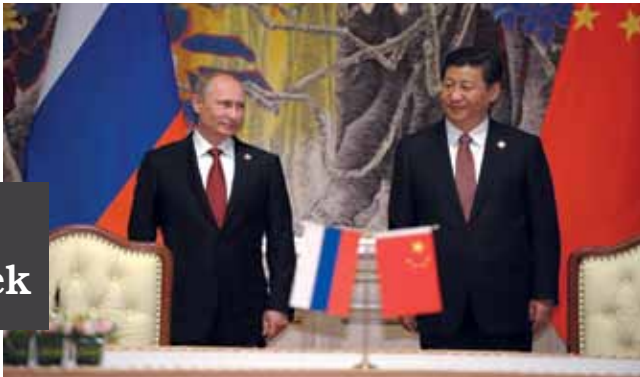
*National* features prospects for the U.S. joining this sea change, through the leadership of Keshia Rogers in the Democratic Party, and the way things are closing in on impeachable Obama, in this instance on his government's continued defense of the funders of 9/11, the Saudi Kingdom. You'll be hearing much more from Rogers in the weeks ahead.

What kind of future must we create, and what kind of change in thinking will it take to achieve it? Two other features in our issue are devoted to that larger question. First, LaRouche's "Economists Who Are Usually Stupid," a self-described extended autobiographical sketch which goes from a trenchant attack on the Bertrand Russell-dominated educational travesty to the basics on the method required to counter it, especially the scientific breakthroughs made by V.I. Vernadsky (*Feature*). Second, an article by our Asian expert, Ramtanu Maitra, who is also a nuclear engineer by training, on the prospects and necessity for nuclear and thermonuclear fusion in his native India (*Science & Technology*).

The British Empire still poses an enormous danger, of course. See *Economics* and the *Editorial* to keep in focus just how urgent it is to ensure its destruction.

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*Russian President Putin and Chinese President Xi in Shanghai, where they signed a huge natural gas deal, May 21, 2014.*



Presidential Press and Information Office

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# Eurasia Comes Together To Challenge British Empire

by Nancy Spannaus

June 2—“The British Empire is in deep trouble,” concluded American statesman Lyndon LaRouche in his May 31 webcast. Look at the situation globally, he said. We have a burgeoning revolt in continental Europe, involving opposition to the Empire’s agenda of war and economic dictatorship in France, Germany, and potentially Italy.

“We have the development of the relationship of China, Russia, and India, now,” LaRouche continued. “Now these are three nations in Eurasia, which now are the leading powers in Eurasia. Now you have three nations which are striking out against Britain—not explicitly, but implicitly. And implicitly is sometimes better than explicitly, implicitly lets you have some maneuvers to manipulate the fears of your enemies. That’s sometimes useful.

“What this all means is, that we are now in a situation strategically, where what is clear, with one exception, is that the British Empire is now in a difficult situation. Because we have two parts of the Eurasian world which are now in question, and resistance against the British Empire is piling in. At the same time, we are on the verge of an imminent bail-in crisis which sweeps across from western Europe, across into the United States and areas beyond—the trans-Atlantic region. We’re coming to a crisis point, because an actual bail-in explosion in the trans-Atlantic region would be absolutely chaotic in its effect on the planet as a whole.”

What’s missing, LaRouche went on to explain, is the United States, which remains politically, through its

President, in particular, under the control of the British Empire. That’s the nut that has to be cracked in the United States, by the removal of Obama by multiply-justified impeachment and the re-institution of FDR’s Glass-Steagall law.

Until Obama is removed, the world remains in imminent danger of a British-instigated thermonuclear war; and until Glass-Steagall is in place, the City of London/Wall Street crowd threatens to bring on the same genocidal result through economic means.

## **Russia-China-India**

It was 1998 when Lyndon LaRouche first put forward his concept of the Strategic Triangle of Russia, China, and India, as a coalition of powerful Asian powers, which should join with the United States as a counter to the British Imperial domination of the planet. The idea was that these four powers would form the basis for a new financial architecture based on credit for high-technology economic development.

Lyndon and Helga LaRouche had also promoted a “Eurasian Union,” or “Eurasian Land-Bridge,” as a broader concept, during several visits to Russia and Ukraine in the mid-1990s.

The trilateral development concept was pursued in Russia during the short premiership of Yevgeni Primakov in 1998-99, but progress has been slow, despite the powerful message sent by the 2007-08 financial blow-out that the Western monetary system was dead. The October 2009 summit between Russia and China in



Beijing, produced a major step forward in terms of a nexus of agreements that went beyond deals on raw materials, and the entry of Chinese President Xi Jinping into office in November 2012 has seen accelerated diplomatic and economic contacts.

The biggest breakthrough, however, came with the summit between the two giants last month, when the problems which had been holding up the 30-year gas deal between the two nations, which had been under negotiation for a decade, were finally resolved, in the context of a broad swath of economic agreements, which will involve significant investment in transport infrastructure, as well as pipelines.

Interestingly, this meeting is being followed up June 3 with a meeting between the Chinese and Russian finance ministers, scheduled to discuss investment projects involving Russia's sovereign wealth fund, the Russian National Welfare Fund, and the smaller Russian Direct Investment Fund. Also on the agenda, Russian agencies reported June 4, are bilateral currency and credit swap arrangements, as well as moves toward China's joining the Eurasian Development bank, an institution set up by Russia and Kazakhstan in 2006, and later joined by Armenia, Belarus, Kyrgyzstan, and Tajikistan.

India's participation in this process, as an Asian superpower with enormous technological capabilities, has now also come on line, with the election of its new President, Narendra Modi. India was a long-standing economic partner with Russia in the Soviet period, but their ties experienced a relative setback under the radical free-trade policies of 1990s Russia. Over the last years, moreover, the United States has sought to woo India into its "anti-China" alliance with promises of economic gains. More importantly, India was weakened by a government dominated by a Congress Party which failed to address the crying need to make economic development for *all* Indians its *raison d'être*.

Now, as we elaborated in our article on the recent presidential election, and in a followup in this issue, India has a new orientation, summed up in Modi's electoral slogan "Development, Development, Development." The Indian prime minister has expressed his desire to maintain India's historically close ties to Russia, and to press forward for good relations with China, overcoming the legacy of tensions from the past. It is a good sign that the Chinese Foreign Minister Wang Li will visit Delhi on June 8—one of the first foreign visits to the new government, outside the inauguration itself.

## Strategic Depth

Overall, all three of these Asian giants are primed to create an economic superpower alliance based on collaboration around the crucial projects required to bring the planet out of its current disastrous state—especially, nuclear fission and fusion, and exploration of space, as dramatized by the Chinese landing on the Moon. To be successful, however, such an orientation also requires a world without war—meaning, a world without the evil British Empire.


To accomplish this, will require a global political shift beyond Asia, some of which is already underway: first, as noted by LaRouche, the shift against the Empire's economic policy in continental Europe; second, a decisive shift within the Empire's current enforcer, the United States.

The role of the LaRouche movement is critical on all of these fronts. As our coverage of a high-level Moscow conference on "Problems of the Sustained Development of Mankind in the System 'Nature-Society-Man'" in this issue demonstrates, Lyndon LaRouche is continuing to provide the scientific leadership internationally which is necessary to successfully shifting to a post-imperialist era internationally.

**THE  
EURASIAN  
LAND-BRIDGE**

**'The New Silk Road'—Locomotive  
For Worldwide Economic Development**

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# Russia, Kazakhstan, Belarus Create Eurasian Economic Union

by William Jones

June 2—In a move that shows just how ridiculous the efforts of the U.S. and European Commission to “isolate” Russia through the imposition of punitive economic sanctions are, the leaders of Russia, Kazakhstan, and Belarus met in Astana, Kazakhstan May 29, and signed a document creating the Eurasian Economic Union (EEU). According to Russian President Vladimir Putin, the Union will encompass 170 million people in a common trade area, which “includes one-fifth of the world’s gas reserves and almost 15% of the world’s oil reserves.” The treaty is to go into effect on Jan. 1, 2015.

The idea of the Eurasian Economic Union as a center for global economic development was long in the making. The idea was first proposed in 1994 by Kazakhstan’s President Nursultan Nazarbayev, and has been pursued steadily by Putin, as well as the other two signatories to the treaty.

The formal process began with the establishment of a Eurasian Customs Union between Russia, Belarus, and Kazakhstan in 2010; that was followed by the inauguration of a Single Economic Space in 2012. In their November 2011 Declaration on Eurasian Economic Integration, the three heads of state charted a schedule for the establishment of the Union in 2015.

Despite its being glossed over in the international media as, at one extreme, merely a free-trade zone or, at the other, reconstitution of the Soviet Union, the EEU’s potential for Eurasia and the world is far more promising than either of those constructs. Academician Sergei Glazyev, who oversaw negotiations for the Customs Union in 2007-10, and is now Putin’s advisor on Eurasian integration, is a leading proponent of freeing Russia and its economic partners from the strictures of monetarist dogmas, in favor of real economic development. In addition, finalization of the EEU Treaty has coincided with Russia’s own “Asia pivot”—Moscow’s

push to upgrade its economic relations with the Asia-Pacific Region. Some in Russia, such as the authors of the Valdai Club’s latest, February 2014 “Toward the Great Ocean” report on Russia-Pacific relations, argue that “financial and human resources may not be enough for the two projects,” i.e., both Eurasian integration and participation in Asia-Pacific economic processes, but Putin has always presented them as complementary.

Although China is not involved directly in the EEU, and is pursuing its own policy of a new Silk Road Economic Belt in the region, announced by Chinese President Xi Jinping last August, Putin and Xi explicitly agreed at their Shanghai summit in May, that both the EEU and the New Silk Road were avenues toward a system of growth and development for the entire continent. They stressed, in particular, cooperation between two projects for creating a new and viable transportation grid, as the basis for an increased flow of goods and services.

## A Historic Agreement

“The Treaty we signed,” President Putin told reporters at the press conference of the three signatories on May 29, “is one of truly epoch-making, historic importance. It opens up the broadest possible prospects for economic development and improvement of the welfare of the citizens of our countries. Russia, Belarus, and Kazakhstan are moving to a fundamentally new level of cooperation, creating a common area in which there will be free movement of goods, services, capital, and labor. Our three countries will be able to conduct a coordinated policy in key economic areas such as energy, industry, agriculture, and transport. This has been complex, or, to put it more precisely, very difficult work. . . .

“Major economic players are already directly interested in this association. Wherever I go, whomever I

speak with, everybody wants to know how to arrange their relations with the future Eurasian Union.”

Putin also pointed to the global significance of the creation of the Union. “The geographical position permits us to create transport-logistic routes of not only regional, but also global importance that permit attracting massive trade flows in Europe and Asia.”

“A new geopolitical reality of the 21st Century is born,” Nazarbayev said. “We’re creating a fundamentally new model for good neighborly relations and interaction between peoples in the great Eurasian space.”

Yuri Ushakov, Putin’s national security advisor, said that the treaty consisted of two parts. The first outlines the goals and objectives of Eurasian integration and establishes the status of the EEU as a full-fledged international organization; the second part regulates the mechanisms of economic cooperation.

### Putin’s Concept

Putin presented his concept of the future EEU, which is contrary to an attempt to “recreate” the Soviet Union, in an October 2011 article published in the daily *Izvestia*. Days after revealing his intention to run for re-election as President, then-Prime Minister Putin emphasized that as Russia, Belarus, Kazakhstan, and other post-Soviet countries which might join a Eurasian Union, reintegrated their economic ties, they would seek to become a bridge between Europe and the Asia-Pacific region.

Also in the Fall of 2011, in an address to the United Russia Party Congress, Putin declared that the formation of the Union would be just as historic as the establishment of the European Union, but would “avoid ... unnecessary bureaucratic structures.”

Discussing the future prospects of this project, Putin stressed that it is not a “revival of the Soviet Union.” Rather, he wrote, “These times call for close integration based on new values and a new political and economic foundation. We suggest a powerful supranational asso-



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*Despite efforts of those in the West to “isolate” Russia, the leaders of three Eurasian nations—(left to right) Lukashenko (Belarus), Nazarbayev (Kazakhstan), and Putin (Russia), signed a document May 29, creating a Eurasian Economic Union, encompassing enormous natural gas and oil reserves.*

ciation, capable of becoming one of the poles in the modern world and serving as an efficient bridge between Europe and the dynamic Asia-Pacific region.”

Putin’s concept has not changed. Speaking to reporters after the Astana signing, he said: “It is important that the transfer of certain specific functions to the EEU’s supranational bodies will in no way infringe the sovereignty of our countries. Integration processes are mutually beneficial, as is already been shown in practice. Economic ties between Russia, Belarus and Kazakhstan are expanding, while the composition of trade is improving, with high-tech products accounting for a greater share.... Today we discussed in detail, how to use the potential of the EEU to build up flows of goods and investment, as well as to expand industrial and technological cooperation.”

Nazarbayev, in his remarks at the press conference, differentiated the EEU from the disaster-ridden European Union (using more diplomatic language) and brought out the new organization’s continental dimensions: “One of the main goals is to unite the opportunities of each of these nations for joint modernization and increasing the competitiveness of our states. ... None of the participating nations should undergo deindustrialization, and no national economy should experience a decline of its traditional industrial sectors or agricul-



ture. These are the lessons of the European economy's recession. World experience shows that integration means, first and foremost, long-term, stable conditions for economic development and new opportunities for citizens' prosperity. We view the Eurasian Economic Union as an open economic community, seamlessly woven into global ties as a reliable bridge between Europe and fast-growing Asia."

Putin mentioned plans for further cooperation with Vietnam, China, Israel, and India.

A May 22 article in the French language RIA Novosti, on the occasion of the Putin-Xi summit in Shanghai, provided further insight into the development model the Russians are pursuing. Author Alexander Andreyev wrote that for Russia, Asia includes Japan, India, and the countries of the Association of Southeast Asian Nations (ASEAN). Cooperation among all these nations would create what Andreyev called a Eurasian "economic spine," involving the construction of a pipeline network, the modernization of the Trans-Siberian and Baikal-Amur Mainline railroads, and the development of transcontinental commercial routes such as the Northern Sea Route along the Arctic coast.

Andreyev noted that Igor Sechin, CEO of the state-owned oil company Rosneft, promotes this concept, which calls for making Chinese or other companies strategic partners in an overall development policy, rather than merely consumers of Russian raw materials. This so-called "integral model" envisions joint investment, spanning the entire technological chain from exploitation of raw materials to transport.

While the EEU treaty language is still tinged with the monetarist bias of "financial markets," the success of such an integration will require a basic shift to a Hamiltonian credit policy, as outlined by Lyndon LaRouche.

Academician Glazyev's current proposals point in that direction.<sup>1</sup>

## Deals Include Nuclear Power

It appeared that Russia was pushing for greater political—and perhaps military—coordination among the three as well, but Kazakhstan was insistent that the Union remain concentrated on the economic plane. The Kazakh President apparently feels most at ease when he can maintain a balancing act among all

of his partners, between Russia and China, on the one hand, and between Russia and the West, on the other. This attitude has made him vulnerable, however, to Western "carrots" held out by the London financial crowd.

But they have not succeeded in swaying Nazarbayev from his commitment to close collaboration with Kazakhstan's neighbors. The wisdom of that decision was seen in the signing of a Russia-Kazakhstan nuclear agreement, during bilateral talks while Putin was in Astana for the EEU signing. Russia's state-owned firm Rosatom is committed to building a new nuclear power plant in Kazakhstan and assisting the country, one of the world's biggest producers of uranium, in nuclear fuel processing and refinement, as well making the fuel assemblies that are loaded into a reactor. Kazakhstan has a 10% stake in the Rosatom-led International Uranium Enrichment Center at Angarsk in Siberia.

Russia's nuclear expertise is crucial to the high-technology thrust of the new economic arrangements, and has played a major role in its recent economic outreach elsewhere in Asia, including deals to export floating nuclear power plants as well as standard reactors.

Belarus was reportedly disappointed that oil and energy are not yet covered by the EEU trade agreements. Belarus buys oil from Russia at Russia's internal price, which is about half the average world price, and then produces refined petroleum products for export. Until recently, Belarus had to pay customs duties on its Russian oil imports of up to \$4 billion per year, but it has negotiated to subtract \$1.5 billion from that sum for next year. A common market in energy, however, is scheduled to come into effect only in 2025.

Moscow will be the site of the Union's headquarters, while the EEU court will be based in Belarus, and the financial regulator in Kazakhstan.

## Immediate Prospects

The EEU intends to expand even before the treaty signed May 29 goes into effect. The Presidents of Armenia and Kyrgyzstan attended the talks in Astana. Armenia announced plans to finalize the terms of its accession to the EEU by June 15. Kyrgyzstan intends to do so by the end of the year, giving the EEU five member-countries when it begins to operate. Azerbaijan and Tajikistan have expressed interest, as has Turkey, which has seen the door slammed in its face by the European Union.

1. See [EIR](#), May 2, 2014.

Russia has put considerable effort into attracting Ukraine into the Eurasian integration process. Glazyev, a native of Ukraine, worked intensely in 2011-13 to organize greater cooperation between the Customs Union and the future EEU. He and Putin attended a Summer 2013 conference in Kiev to promote these possibilities. Closer Eurasian integration was resisted by Ukrainian governments, under pressure from the West to opt for free-trade relations with the European Union, for over a decade. Nonetheless, because of the historical interface of Ukraine's economy with Russia's, the issue of Ukraine's Eurasian relations did not disappear.

Indeed, when in November 2013, Ukraine suspended work on an Association Agreement with the European Union, then-Prime Minister Mykola Azarov's cabinet invoked "Ukraine's national security interests," announcing that it would study ways "that restore its lost production capacities and areas of trade and economic cooperation with the Russian Federation and other CIS members," and to revive negotiations with the (Eurasian) Customs Union, in particular—that is, with the three countries that have now formally established the EEU.

At the May 29 press conference in Astana, Belarusian President Alexander Lukashenko spoke to Ukraine's situation. Talking about the "long and difficult" process of organizing the EEU, he said: "We lost some along the way. I mean Ukraine in the time of [President Leonid] Kuchma (1995-2004), which also started this heavy labor with us. But, unfortunately, it was too much for Ukraine to handle. But, I am certain that, sooner or later, the leaders of Ukraine will realize where their country's happiness lies."

While Ukraine is presently being provided with some immediate financial assistance, by the U.S. and the EU, in their attempt to use it as a wedge against Russia, the long-term prospects for Ukraine as an appendage of the European Union are quite dim. As Ukrainian political leader Natalia Vitrenko pointed out in her presentation to the Schiller Institute conference in Berlin last year, the problems Ukraine will have in the EU are overwhelming.

"Our energy cost per unit of GDP are quadruple the EU average, so our companies will simply go bankrupt under these conditions," Vitrenko said. "Ukraine would experience more problems from being in the EU than Cyprus, Greece, Spain, Italy, or Portugal have. If Ukraine joins the Eurasian Customs Union, however,

its GDP will increase by an amount in the range of 1.5 to 6%; that's what President Putin told President Yanukovich last month. The Russian Academy's Institute for National Economic Forecasting has projected that if Ukraine joins the Customs Union, the Ukrainian economy will gain \$7 billion annually, and its export will increase by 60%, or \$9 billion annually."

### **British Huff and Puff**

As for the London financial crowd, the formation of the Eurasian Union represents another nail in their own coffin. But they will not go quietly.

Naturally, the London *Economist*, speaking for its oligarchical masters and the Queen herself, takes the point. In its May 30 edition, under the headline "Where Three Is a Crowd"—apparently an attempt to depict the EEU as a very small achievement—the *Economist* asserts that the EEU "was supposed to be a counterweight to the European Union and the West, but that is now looking unlikely." The long months of negotiations that went into creating the EEU, the *Economist* claims, were due to the fact that the leaders of Belarus and Kazakhstan, "had put the brakes on a project that many call Mr. Putin's attempt to rebuild the Soviet Union."

How could Belarus and Kazakhstan possibly benefit from the EEU, the *Economist* bellows, adding that Lukashenko of Belarus and Nazarbayev of Kazakhstan "have shown concern that tying themselves to an imperialistic Russia, whose economy has been subjected to economic sanctions and is starting to drift into recession, may not be in their best interests."

Of course, this oligarchic mouthpiece rants, the EEU as an alternative to the EU makes sense "for a certain type of post-Soviet leader. After all, most of them are uninterested in political reform; no one is hounding them for change." Correct. They are not interested in the genocidal IMF "reforms" and austerity dictates currently being imposed on Ukraine. The *Economist* is very upset that the EEU will grow, and that countries like Armenia and Kyrgyzstan, "undeterred by Russia's aggression," are preparing to join at "lightning speed."

So the world must be prepared for more provocations—and the danger of war—until these gentlemen, who believe it is their right to rule the world, are safely bankrupted by return of Glass-Steagall and the creation of a Hamiltonian credit system.

# India's New Prime Minister Moves To Fulfill His Mandate

by Ramtanu Maitra

May 29—Following his second meeting with his Cabinet members, India's new Prime Minister Narendra Modi issued a ten-point agenda as the priority of his government. He has also asked his ministers to put on his desk their timetables on the priorities of each ministry for the first 100 days.

Elected on a mandate, particularly from the large youth population of India, to move the country forward at a rapid pace, Modi reportedly gave the go-ahead to develop the 545-km Mumbai-Ahmedabad railroad as a showpiece high-speed rail project, at a recent meeting with the chairman of India's High Speed Rail Corporation (HSRC) Satish Agnihotri. Indian Railways (IR) and French National Railways (SNCF) are understood to have developed a detailed business plan for the corridor, the prefeasibility study of which has been completed by a consortium of Systra, Italferr, and Rites.<sup>1</sup>

Within 72 hours following the historic inauguration,



PIB of India

*Much hope is invested in the new Indian Prime Minister Narendra Modi, as he proceeds to carry out his mandate to move this vast nation forward. Modi is shown here speaking at his swearing-in ceremony May 25.*

Modi has made clear that he realizes what India needs, and why the Indians chose him to be lead the nation. In his ten-point agenda, the most striking features are:

- prioritizing education, health, water, energy, and roads;
- infrastructural and investment reforms;
- Implementation of policies in a time-bound manner;
- establishing a people-oriented system, and gearing up the government machinery to fulfill the mandate; and,
- instilling transparency in government.

What Modi is addressing in his priority-agenda, are the very items which the previous Manmohan Singh-led UPA government had ignored and which brought about its downfall, jeopardizing India's economy and future. In addition, the lack of transparency of the UPA government had led to wide-

spread corruption and nepotism that came under protest from one and all Indians. This dissatisfaction became evident when 530 million people (a record 66.4% of the electorate) voted to give the Modi-led Bharatiya Janata Party (BJP) an absolute majority in the Indian Parliament.

1. Raghav Thakur, "New Indian government to push ahead with high-speed projects," *International Railway Journal*, May 28, 2014.



Creative Commons/Chandana Perera

*Modi's inauguration was attended by all the heads of state of South Asian Association of Regional Countries, India's immediate neighbors. Especially notable, was the presence of Pakistani Prime Minister Sharif (third from left), and Sri Lankan President Rajapakse (far left). Modi is third from right, between Indian President Rajapaksa and Afghan President Karzai.*

## The Inauguration

The inauguration of Narendra Modi and his Cabinet by President Pranab Mukherjee was almost as historic as the mandate the Prime Minister had received from the Indian electorate. The ceremony was attended by all the heads of state of the South Asian Association of Regional Countries (SSARC), which includes India's immediate neighbors (Bangladesh, Bhutan, Maldives, Nepal, Pakistan, and Sri Lanka) plus Afghanistan. Of particular importance in this august gathering was the presence of Pakistan's Prime Minister Nawaz Sharif and Sri Lanka's President Mahinda Rajapakse.

This is the first time ever that Pakistan's Prime Minister has attended the inauguration of an Indian Prime Minister, or vice versa. The presence of Sharif in Delhi rattled the world's geopoliticians, particularly those from the West. For decades, Britain, in particular, had succeeded in fueling India-Pakistan hostilities (dating from the British-orchestrated partition), thereby sabotaging any efforts to ease bilateral relations.

Following the inauguration, Modi and Sharif had a one-to-one meeting. Although details of the talk have not been fully disclosed, Sharif, speaking at a press conference, told Indian correspondents that the meeting was "good and constructive" and "held in a warm and cordial atmosphere." He said both countries should work to overcome their mutual mistrust, and that regional peace and stability were keys to achieving their common goals of development. Sharif said he intended to "pick up the threads" of the Lahore Declaration, referring to a pledge both countries made in 1999 to cooperate more closely to ease tensions. Rejecting accusations and counter-accusations as unproductive, he said on this occasion: "We agreed that our meeting should be a historic opportunity for both our countries."

The Sri Lankan President's presence at the inauguration also made some in the West unhappy. Rajapakse is under the gun of Britain and the Obama Administration for his military operation against the terrorist group, Liberation Tigers of Tamil Eelam (LTTE) in

2009. The LTTE was headquartered in Britain and had virtually captured northern Sri Lanka by imposing a reign of terror, funded and armed from outside. Under pressure from Britain and the United States, the UN High Commissioner for Human Rights, Navi Pillay, recommended in a Feb. 24, 2014 report, that an independent, international inquiry be made into alleged human rights violations in 2009, during the final phase of Sri Lanka's long and bloody civil war against ethnic Tamil separatists. On Feb. 28, British Foreign Office Minister Hugo Swire released a statement welcoming Pillay's report.

The UN report emerged a few months after Colombo had hosted the biennial meeting of Commonwealth nations, an event that Canada's Prime Minister Stephen Harper boycotted and that then-Indian Prime Minister Manmohan Singh declined to attend. U.K. Prime Minister David Cameron did attend the summit, but used the occasion to visit the island's war-ravaged north in what many considered a rebuke to his host.

Modi's decision to invite Nawaz Sharif and Mahinda Rajapakse, and to hold private meetings with both following the inauguration ceremony, sent a clear message to the troublemakers and geopoliticians, indicating that his administration's prime objective is to strengthen relations with India's neighbor and not to kow-tow to outside forces angling to create trouble in the region.

## Chinese Response

Another important factor for Modi will be China. At this juncture, for both India and China, it is of utmost importance to develop a strong understanding that will translate into joint efforts to develop the Eurasian landmass and ensure Asian security, besides utilizing each other's overall strength to enrich each other. Countering this effort is Obama's Asia Pivot policy, which is still trying, albeit lamely, to enlist India as a transactional ally, or the West's proxy power, to confront China in the region. Although the Singh government had not entertained this effort, it did not succeed either to broaden India's relationship with China.

But China responded very positively to Modi's election success. As the Chief Minister of Gujarat, Modi had visited China on four occasions, and ostensibly developed a rapport with Beijing. As a result, Bei-

jing announced today that Foreign Minister Wang Yi will visit India on June 8 to meet with Modi. In line with this announcement, it was also noted that Chinese Premier Li Keqiang today called his Indian counterpart and conveyed his government's desire to establish a robust partnership with the new government of India, according to Press Trust of India. Li, who is the first foreign head of government to call up Modi since he took over as Prime Minister, congratulated him on his victory.

To the chagrin of the promoters of Obama's Asia Pivot, the possibility of stronger India-China relations is surely emerging. On May 27, the day after Modi's inauguration, the official *China Daily* gave unprecedented coverage to an Indian political event, and projected Modi's election as the harbinger of a "big boost" to bilateral ties. "Modi to boost ties with China," *China Daily* said. The article pointed out that when Modi had visited China, "he presented a business card with one side in Chinese and in red color that symbolizes wealth and good fortune in China." "With Modi taking the oath of office as India's new Prime Minister on Monday," it said, "such attention to China is expected to be repeated."

The Chinese daily *Global Times* also devoted a page to the inauguration, with pictures of Modi's swearing-in ceremony, featuring the Indian Prime Minister greeting his Pakistani counterpart during the event, which was also widely shown on state-run CCTV with commentaries by analysts.

## Good Governance

Modi's prime objective is seemingly to set the stage for good governance, which would include maximum utilization of goodwill of, and interaction with, immediate and regional neighbors. It is evident that he is now exploring likely participation of regional powers to move the economy forward. He developed strong relations with Japan, with Prime Minister Shinzo Abe in particular, and South Korea, while he was the Chief Minister of the state of Gujarat.

According to *International Railway Journal*, the Japan International Cooperation Agency (JICA) is currently preparing a detailed study of the proposed 700 billion rupee (US\$12.1 billion) corridor, which is scheduled to be submitted in May 2015. JICA is believed to have agreed in principle to partially finance the project by way of a soft loan. In addition, a pre-



feasibility report by the Mott MacDonald Group on the 1,044-km New Delhi-Patna high-speed rail line has also been submitted, and is under the ministry's consideration, sources said. Project cost is estimated at Rs 1,300 billion (US \$24 billion).

At the same time, Modi is aware that the Indian electorate will be carefully watching the measures he undertakes to eliminate the rot that accumulated under the previous administration of the weak and indecisive Singh. One of the primary virtues that Modi needs to exhibit to the Indian people is that he is decisive and will get things done.

That he recognizes this, became evident with his laying down his ten-point agenda within 72 hours following his inauguration. In elaborating Modi's prioritization of water and health, an Indian analyst pointed out that education and health for all are deep-felt needs of the masses, particularly in rural areas. His program will include construction of schools, colleges, primary health centers, district hospitals, and a large hospital with research facilities in every Indian state. The promise of water will include provision of adequate supplies for drinking water and sanitation, and agriculture—

again, major issues on which the Prime Minister made pledges to the people throughout the country as he encountered these problems in state after state. This too, will give a stimulus to infrastructure development, energize local industry, and generate immediate employment in all states.

Also of note, is his addressing the corruption and nepotism of the ministers, and their cohorts, which over the years has weakened the functional ability of government officials. While some of these officials had joined the rackets that were created and nurtured by the UPA politicians, other officials felt handcuffed and chose to become non-functional.

Modi has told his ministers to resist the temptation to handpick their personal staffs, but rather to work with officers allocated to them, and not to employ relatives as personal staff. He also urged the ministers to welcome innovative ideas. This involves inviting members of the public to interact directly with officials through social media, a move that could vastly improve efficiency and responsiveness, besides resolving administrative bottlenecks and bureaucratic red tape in real time.

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# LaRouche Addresses Moscow Conference On P.G. Kuznetsov and V.I. Vernadsky

by Rachel Douglas

June 2—The auditorium of the Presidium of the Russian Academy of Sciences in Moscow was the venue of the May 29 International Scientific Conference on Problems of the Sustained Development of Mankind in the System “Nature-Society-Man.”<sup>1</sup> The event was occasioned by the 90th anniversary, on May 18, of the birth of Pobisk Kuznetsov, the late Russian chemist, philosopher, and engineer, known as the last of the great “general designers” of Soviet postwar economic recovery and scientific development.<sup>2</sup> Lyndon LaRouche, on invitation from the conference organizers, presented a video-recorded address to the opening plenary session, which we publish here.

A number of the 80 conference participants had been present at the public dialogue of Kuznetsov and LaRouche on April 28, 1994, which *EIR* titled, “Russian Scientists: How Did LaRouche Uncover Our Secrets?”<sup>3</sup> After Kuznetsov’s invitation to LaRouche to make his first trip to Russia, he and LaRouche enjoyed a productive political and scientific dialogue for six years, until Pobisk’s death in 2000.

The May 29 conference was organized by Kuznetsov’s friend and co-author, Prof. Boris Bolshakov of the Dubna International University of Nature, Society, and Man. Co-sponsors were the Russian Academy of Sciences (RAS), including its Scientific Council on Eurasian Economic Integration, Modernization, Competitiveness, and Sustainable Development; the Russian Academy of Natural Sciences; the Congress of Education, Culture, Science and Technology Workers; the Moscow Society of Natural Scientists; and the Moscow State Institute of Physics and Technology.

Academician Sergei Glazyev, head of the above-mentioned Scientific Council of the RAS and advisor to

President Vladimir Putin on Eurasian integration issues, had been scheduled to chair the plenary session. Glazyev was unable to attend, because of accompanying Putin to Astana, Kazakhstan for the signing of the Agreement on the Eurasian Economic Union that same day (see article, this issue). His greeting, published below, linked the legacy of Kuznetsov with both Eurasian economic development and the strategic defense of Earth from outer-space threats such as asteroids. Other greetings, published here, came from Chairman of the State Duma Committee on Science and Science-Intensive Technologies Valeri Chereshnev and international Schiller Institute founder Helga Zepp-LaRouche.

Like LaRouche, other speakers on the life and work of Kuznetsov took the opportunity to discuss the great importance of studying the legacy of Academician Vladimir Vernadsky, whose writings Kuznetsov himself did much to promote. Dr. Vyacheslav Chesnokov of the RAS Vernadsky Institute of Geochemistry and Analytical Chemistry, who serves as Scientific Secretary of the RAS Commission on the Scientific Legacy of V.I. Vernadsky, noted that Kuznetsov had been a charter member of that commission in 1985.

Prof. Bolshakov and Dubna University’s Rector Oleg Kuznetsov (no relation) gave an overview of what Kuznetsov himself considered his most important ideas. They cited an array of Pobisk’s appeals to world leaders, including his 1995 memorandum to the UN Secretary-General, written after meeting LaRouche, calling for outlawing “speculative capital”—derivatives, in particular.

Bolshakov concluded by quoting Kuznetsov’s short “Last Will to the Science of the Future, Concerning the Meaning of Human Life”: “I have lived my life in a search for the meaning of our human existence. Our Patriarch Aleksy II helped me in this work, when he asserted that the Creator made mankind, to transform the Cosmos into the Garden of Eden. And if that is true, then all decent scientists must link their scientific work with ‘the fight against the increase of entropy and against the Second Law of Thermodynamics.’ That is the true task for mankind as a whole.”

1. The Russian expression that has become the standard translation of “sustainable development” is *ustoychivoye razvitiye*, meaning “stable,” “steady,” or “sustained” development. The understanding of the term as automatically meaning “limited” development is not generally present for Russian speakers, including scientists, who use it.

2. Pobisk Georgiyevich Kuznetsov’s life as “a Russian modern-day Leonardo da Vinci,” an independent thinker and a political prisoner, was featured in *EIR* of Dec. 28, 2001.

3. “LaRouche in Dialogue with Russian Science,” full transcript, *EIR*, June 10, 1994.

# Prospects for the Preservation of Mankind

by Lyndon H. LaRouche, Jr.

May 21, 2014

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*Oral Address, as prepared for delivery:*

I am honored by today's opportunity, which has been provided by Professor Bolshakov and honored guests. I acknowledge the honor to participate here, on this occasion, in sharing the memory of the 90th Birthday of my departed friend and collaborator of remembered years: Pobisk Kuznetsov. For this opportunity, I am grateful to Professor Bolshakov, and to the invitation of the historically venerable tradition of the Academy of Sciences.

Time is short, so I shall, therefore, come directly to the topic which I recognize and share under the title of the current "Prospects for the Preservation of Mankind."

It is a subject of its own increasing importance for both Russia and the world presently. It is a matter of fresh insights of urgent relevance and absolutely historical importance. It is in honor of scientific progress in the world as a whole, respecting matters now closely at hand. These are matters of both the progress of science, and mankind, alike. They are matters of already immense value: matters to be considered from the standpoint of deepening margins of insights given to me in the course of study of certain crucial implications which I have lately recognized, as deeper insights into what Vladimir Ivanovich Vernadsky had accomplished, both for science, and for mankind's future.

These are matters in his work, which, for me, when considered in a present light, have the relatively greatest future importance for mankind, throughout the planet.

Consequently, for me, today, the emphasis on the work of Vladimir Ivanovich Vernadsky's work in science, is to be located in what I have come to recognize with ever improving insights, has an even deeper relevance in his role as a scientist for the place of mankind's attempts to perfect our insights into the prospects for the future destiny of mankind.

These are not merely measures for the Earth today,

but for a deeper insight into the distinction of the future role of the true principle of human life within our Solar system in particular, as well. This requires a deeper insight into the distinction of the quality of the life of the human species, the quality of being absolutely above all other species known to us presently. The work of Vladimir Ivanovich's progress, from during his time as a servant of the truly unique principle of human life, is, therefore, to be placed apart from, and above all presently known other considerations. His work now carries discoverable imports for us today, beyond anything customarily considered by science generally, heretofore.

Therefore, now, the notion of life as occurring within time, is implicitly, to be recognized as an essential emphasis, that the meaning of time is to be located, actually, not in time as such, but, rather, as the measure of time within the bounds of the authority of the most unique, and most efficient principle of progress presently available, respecting the knowledge and practice of science by human life in itself.

## The Issue of War

The urgent matter immediately before us, is that of the present follies among the nations, errors which must be corrected by a proper order in the cooperation of the willing nations immediately among us. In brief, we must act to end war as a global institution, an institution which must soon become, itself, relegated effectively to the past.

We now face the reality of the presently rising threats of a global potential which menaces our planet with the threats of thermonuclear warfare's capability to bring about the summary extinction of the human species, which demands that we lift our passions above the notions of massed warfare. We should have recognized, and overcome such warfare in earlier times. To accomplish that purpose, a new order among sovereign nations, ending the influence of modern oligarchical empires in the Zeus tradition, is presently a virtually immediate precondition for the continuation

of human existence itself.

The work of Vladimir Ivanovich, when suitably considered by actually qualified scientists in these subject-matters, must be presently re-considered with the greatest regard for relevance, and, therefore, must be considered from a retrospective view of the imperfections of previous customs. What is wanted presently, is a prescience which reaches into beyond the ordinary notions of past experiences respecting the ordinary past notions of our Solar system.

Now, instead of mere notions of “space and time,” the fact of the inherent immortality expressed by *the very fact of successively progressive generations of the human mind, as such*, shows that there is no proper solution to be found within the bounds of the behavior within the animal kingdom, but only the creative powers of mankind which no lower form of life could express.

Time and space, have been often presumed among mankind, mistakenly, as to be the combination of separated qualities of time-plus-space. These were qualities which were often mistakenly presumed to contain mankind and the human mind as separated factors in the human existence.

Instead of that still commonplace error, the human mind, as Vladimir Ivanovich had come to understand it, is unknown among the lower forms of life; it is not separated by the still popular, but foolish notions of time plus space. The notion of merely animal space and time, as containing the actions specific to the human mind, is a delusion; when pursued by mankind, it becomes a fraud against the noëtic powers, the uniquely human creative powers which are uniquely specific to those human powers which are absent from the merely animal mind.

It is the increase of the productive powers unique to productive human labor, as rejecting notions of separated qualities of time and space, which defies the great folly commonly experienced among the nations presently, as Vladimir Ivanovich had warned. The principle of the chemistry upon which the practice of life as such depends, lies, essentially, in the upward evolutionary development of the human species, like no other known species. It, thus, subordinates space and time to advances in the powers of human labor, as he had pre-



Pobisk G. Kuznetsov, center, with Lyndon LaRouche, right, in Russia, April 1994.

EIRNS

sented that great principle unique to humanity.

The separation of space from time, is, therefore, a notion rooted in and tending toward human bestiality, as Vladimir Ivanovich had shown.

It is the uniquely noëtic powers of the human mind, as, uniquely within itself, which must dominate the behavioral abilities of all forms of life on this planet, according to the uniquely noëtic powers of will of the human species. That means the willful power of increase of the energy-flux density of the human species' power to effect the revolutionary development of the Earth's characteristics within the Solar system.

That truth of the matter of science, is directly contrary, to the wicked doctrines of such as both the foolish David Hilbert of the year 1900, and what the satanic Bertrand Russell introduced into the Twentieth Century. Both of them had excluded, the principle of chemistry (i.e., of life) from Twentieth Century and later notions of economy. This doctrine of Hilbert and Russell, has been, in fact, the principal source of the actual collapse of the economy of both the United States and western Europe, since the assassination of President John F. Kennedy, and since the pro-Satanic, “Environmentalism” destruction of the economies of the trans-Atlantic sector of this planet, relative to present, Eurasian progressive trends toward developments in important, major sectors of Eurasia, presently.

So, instead of the error of space and time, as such, the fact of the inherent immortality expressed by the very

fact of the successive generations of the human mind, finds no proper comparison with the mere animal kingdom as such. Time and space, as merely imagined by much pitifully misguided, modern current popular opinion, misleads the still credulous into treating the human mind as a mere subject of the domain of dead and living matter merely combined. Thus, merely animal space, finds no proper comparison with the actual meaning of the human mind; in fact, there is no coincidence between the “animal kingdom,” as such, and those intrinsically noëtic (i.e., creative) powers of the human mind which had been indicated by Vladimir Ivanovich.

Vladimir Ivanovich’s notion of the acting human will’s noëtic shaping of the progress of life on Earth and beyond, thus defines the relationships of time and space within the bounds of the process of noëtic achievements expressed in the terms of its subordinate implications of space and time occurring under the existence of mankind. Thus, his distinction of that true principle of human time, as distinct from the notion of animal time otherwise, is a principle of human life, which carries imports beyond anything customarily considered otherwise, especially respecting the unique role of man in creating true science.

### **Again, the Issue of War**

Now, our subject matter, must be slightly shifted in emphasis. Now, the matter is, that, once we had brought the present follies of the nations into an urgently needed, immediate order among them: war as an institution must be fast relegated to the past, not by force, but by the authority of the informed mind and practice of mankind.

Thus, the reality of the presently rising threats of a thermonuclear capability for extermination warfare, planet-wide, requires that we lift our spirits and passions above the notions of massed warfare dominant during earlier times.

The work of Vladimir Ivanovich, when suitably considered by actually qualified scientists in these subject matters, must be presently re-examined with the most vigorous search for relevance and attention. We need a retrospective insight into the imperfections of previous notions of evidence. There must be a powerfully fresh kind of view of universal relevance, beyond the merely conventional meaning of the name of “universal principle;” this time, we must be informed by what “human” represents, when taken beyond the common past, but commonly mistaken, notions of the bounds of our Solar system.

Now, instead of space and time, as such, the fact of

the inherent immortality expressed by the very fact of the successive generations of the successively progressive developments of the human mind, finds no proper comparison with the animal kingdom as such. Time and space, in animal space, have no expression comparable to that which had been identified, scientifically, as the intrinsically biologically noëtic, evolutionary characteristics, associated with the imperative of perpetual human scientific progress. All species of life, excepting human life, will, ultimately, come and pass, in no other way than as man either maintains them, or does not, that according to what mankind adopts as their assigned mission within the universe.

Mankind is, therefore, for us, properly a truly immortal species, whose essential, existential expression is what we call human progress, or named, justly so, as the right of each child of a parent to seek a better quality of universe than each might have otherwise achieved. We live, and we die, but we wish the kind of scientific and kindred modes of practice, in which, each generation, if it were freed to do so, can be the incarnation of what had not been achieved, both by, and as mankind, earlier or otherwise, provided that the organization of society is composed according to the actually noëtic principles properly incarnate in the progressive development to higher levels of creative human achievement, imparted to higher forms of expression within our universe.

Mankind is not merely a living creature. On the contrary, as I have recognized, implicitly, as from the work of Vladimir Ivanovich, that man transcends all other categories of known forms of life, absolutely. The truth lies, not in the notion of the passage of time as such, but only in the uniquely superior, universal principle of the active principle of human life as such.

### **The Greatest Threat to Mankind**

The currently most essential threat to mankind as a species, is what is called the “reductionist,” or “green” principle of so-called “Zero growth.”

Notably, at the beginning of the so-called Twentieth Century, there were, as I have said here earlier, there were evil prophets in so-called “modern science.”

The first which I mention here, in order, came in the year 1900 in France: foolish David Hilbert, who proposed, then, in Paris, to eliminate “the necessity” for physical science, and its replacement by mere arithmetic. A decade or so later, the British Empire’s virtual child of Satan himself, Bertrand Russell, had launched a sort of “total war” against science, and humanity alike, a hatred constituting a total sort of war against



actual science, substituting the dead souls of mere arithmetic, as was done by him, since his war against science during the 1920s. This had been done by him, for the stated purpose of the suppression, even the termination, of, both actually physical science, and even the reversal of human scientific progress.

Consequently, since about the time of the ouster of Germany's Chancellor Bismarck, who had been the peacemaker among Germany, Russia, Austro-Hungary, and others, a sudden seizure of acute moral decadence had been unleashed, chiefly, by the British Empire. The assassination of France's President Carnot, had been the first major step toward the launching of what would actually become "World War One" globally, as continued, for a relatively mere moment, until the temporary suspension of general warfare after the farce known as "Versailles."

So, since about the beginning of the Twentieth Century, a moral decadence has radiated throughout most of the planet, radiating chiefly from a then freshly enlarged British Empire, which has continued to curse the welfare of the planet generally, leading into a presently renewed and continued warfare, radiating world-widely, from that British Empire, up through the present date.

The lesson urgently to be learned is that now, now, the presently accelerating decline of the Americas,

Western Europe, Africa, and the Middle East, since the world-warfare of the 1890s up through the present time, had become the immediate result, definitively for the Americas since the assassinations of U.S. President John F. Kennedy and his brother, the Robert Kennedy assassinated a day before his nomination for President of the United States.

Since the beginning of the 1970s, the U.S. physical economy has been in a predominating trend of a still accelerating collapse, especially since the definitive monetary crisis of 1971-72 and its Anglo-American reflections. At the same time, a trend of moral and economic decline of the physical-economic and moral qualities of the nations of the trans-Atlantic region, has been a continued trend of physical-economic and social collapse, still, to the present date.

Now, also, there is the presently accelerating decline of the combined regions of western Europe, Africa, regions of the Near East, and the Americas as a whole. Thus, since the beginning of the Twentieth Century, there has been a moral, and subsequently economic decline over the trans-Atlantic region as a whole, which becomes clear when that is considered from earlier than 1900 to the present date. In fact, it is my knowledge, that only relevant improvements in the choice of the presently incumbent President of the United States, were likely to reverse a presently threatened, early "Bail-In" collapse throughout the trans-Atlantic region (and, implicitly beyond that area).

Certain necessarily immediate, and systemic remedies in the nature of return to the original Constitution of the United States, could reverse the presently imminent general collapse of the economies of the entire trans-Atlantic regions. Otherwise, the situation of the trans-Atlantic region were catastrophic, virtually globally, and very nearby in time.

It is my best knowledge, that only relevant transformations in the leadership of the U.S. Government itself, could prevent a now impending general "Bail-in" financial collapse, now underway, of the trans-Atlantic and related sectors. Relevant, immediate improvements in the U.S. Presidency itself, could curb that danger to the entire trans-Atlantic region, if they were willing. My own publicly stated expert report on the relevant principles for the U.S. Government presently, would be a key to a needed solution, if the British Empire's Zeusian grip were removed.

If my proposed, actually presently publicized options for change to improvements, were to be taken up, a physical-economic recovery of the planetary econ-

The scientific concepts of biogeochemist Vladimir Vernadsky — the initiator of the idea of the Biosphere — whose concept of the “Noösphere,” has been cited and further developed by Lyndon LaRouche.

THE ECONOMICS OF THE NOÖSPHERE

Lyndon H. LaRouche, Jr.

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omy is presently feasible among cooperating nations, even if the progress were, regrettably, initially slow.

Our intention must be that an immortal human species must recover its true mission, and live on, so, presently.

No ordinary time, but Vladimir Ivanovich's own definition of our human species's life as the only true measure of human life, must live on for mankind's destiny as an implicitly immortal species, as a representative of an immortal species extending its influence, from Earth, beyond menacing asteroids, throughout our Solar system, and, perhaps beyond, a destiny named humanity.

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Sergei Glazyev

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## Ensuring Sustained Economic Development

May 29, 2014

*To the participants in the International Scientific Conference on the Sustained Development of Mankind in the System "Nature-Society-Man."*

Dear conference participants,

I send you warmest greetings on the occasion of the International Scientific Conference on the Sustained Development of Mankind in the System "Nature-Society-Man." The topic of the conference is more timely than ever, as mankind faces real threats to our security in the areas of the economy, natural conditions, and technogenic safety problems. Warnings about this were voiced by such outstanding scientists of our era as K.E. Tsiolkovsky, V.I. Vernadsky, and P.G. Kuznetsov, the 90th anniversary of whose birth we are celebrating today.

In today's difficult geopolitical conditions, which are related to the deterioration of Russian-American relations caused by the events in Ukraine, it is more important than ever before to support and bring together



St. Petersburg Forum  
Sergei Glazyev

the nations of the Eurasian community, leaders of which are now ready to sign the Agreement on the Eurasian Economic Union.

One of the most important objectives of the Eurasian Economic Union will be to ensure the sustained development of the economy, nature, man, and society. That is the topic of this conference, which the Russian Academy of Sciences Scientific Council on Eurasian Economic Integration, Competitiveness, and Sustainable Development has helped to organize. The Council has held a number of sessions and discussions of these issues, including a discussion of the challenges of monitoring outer-space and natural climatic threats to mankind. Appropriate proposals based on the record of that discussion were submitted to President of the Russian Federation V.V. Putin. The Council has established a now operational Commission on Sustainable Development of the Economy, Nature, Man, and Society, whose members have been among the active organizers of today's conference.

I hope that your work will be fruitful.

Chairman of the RAS Scientific Council on Eurasian Economic Integration, Competitiveness, and Sustainable Development;

Advisor to the President of the Russian Federation, Academician S.Yu. Glazyev

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Valeri Chereshnev

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## The Importance of Russian Science

*Official Telegram to O.L. Kuznetsov, President of the Dubna International University of Nature, Society and Man*

On behalf of the State Duma Committee on Science and Science-Intensive Technologies, as well as from myself personally, I greet the organizers, participants, and guests of the International Scientific Conference on the Sustained Development of Mankind in the System "Nature-Society-Man."

It would be difficult today to overstate the contribu-

tion of Russian scientists, using the ideas of Pobisk Georgiyevich Kuznetsov, to the science and engineering of sustained development. This conference is a vivid demonstration of the potential of Russian science to tackle fundamental and applied problems of sustainable development of the world community. It is important that this conference is addressing young scientists and researchers, aiming to shape a unified engine of development.

I wish the conference participants success in their creative work, new horizons in science, and, especially important, success in implementing their solutions, ideas, and projects in the interest of our common cause—the sustained development of Mankind!

Chairman of the State Duma Committee on Science and Science-Intensive Technologies,

Academician V.A. Chereshnev (Russian Academy of Sciences and Russian Academy of Medical Sciences)



Valeri Chereshnev

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Helga Zepp-LaRouche

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## LaRouche & Kuznetsov: Kindred Souls

*Helga Zepp-LaRouche sent this greeting on behalf of the international Schiller Institute, to the conference on the occasion of the 90th anniversary of Pobisk Kuznetsov's birth May 29.*

It is quite possible that Pobisk Kuznetsov was aware of the work of my husband, Lyndon LaRouche, long before, but it was at the initiative of the late Russian president of the Schiller Institute, Professor Taras Muranivsky, that direct contact between the two thinkers was established. In 1994, Pobisk Kuznetsov hosted my husband for a seminar, which brought together a

number of leading participants from his earlier “*Effektivnost*” project.

A truly extraordinary scientific dialogue developed. Between Kuznetsov and LaRouche an affinity of thought and method became apparent, which was astounding. Both men had devoted their entire lives to the question of human creativity as the key to sustained economic growth and the continued improvement of the living conditions of the human species. This passion for the well-being of mankind had never been diminished in either of them, even during the experience of each of them as political prisoners, one in the Soviet Gulag, the other under the dictates of George H.W. Bush. The meeting between them demonstrated in the most beautiful way, that human creativity is the most precious good in the universe, and is that which makes genius immortal, and mankind potentially the immortal species in the cosmos. Present in this spiritual way were Nikolai Kuzansky [Nicholas of Cusa], Kepler, Mendeleyev, and Vernadsky.

With his typical ability to grasp the essence of things, Kuznetsov proposed that LaRouche's contribution to the science of physical economy be known in the future through the use of “La,” short for “LaRouche,” as the name of a measure of potential relative population density. “Let us introduce the physical magnitude of a ‘larouche,’ designated by ‘La,’” he wrote in the December 1994 issue of the Moscow journal *Rossiia 2010*, “to denote the number of persons who can be fed from 1 square kilometer, or 100 hectares, of land, during one year.” It was obvious to him, that this magnitude had to be a dynamic one, determined by the necessity of increasing energy-flux density in the production process, and an increase of the power of the noösphere over the biosphere.

Pobisk Kuznetsov represented the best of the Russian intelligentsia, of a higher level and broader spectrum of scientific competence, than is the case for most countries and scientific communities of other countries on this planet. That distinction is why the spirit of this lovable human being gives great hope for Russia's role today, in building a better future for all humanity!



EIRNS/Sergei Strid

Helga Zepp-LaRouche

# Brits, Obama Push War Against Russia, China

by Jeffrey Steinberg

June 1—President Barack Obama used the occasion of the May 28 West Point commencement to deliver fresh threats to Russia and China, while laying out a vision of permanent warfare against an al-Qaeda terrorist apparatus that he had in the past claimed credit for wiping out. The “Obama Doctrine” of global interventionism was not well received by the graduating cadets, who failed to give their Commander-in-Chief a standing ovation when he walked to the podium, and sat in silence through all of Obama’s applause lines.

A few days later, Defense Secretary Chuck Hagel was in Singapore, attending the annual International Institute for Strategic Studies (IISS) Shangri La Dialogue, a gathering of top defense officials from the entire Asia-Pacific region. A large delegation from the Chinese Peoples Liberation Army, led by the deputy chief of staff, also attended the Singapore event. In his May 31 keynote, Hagel openly attacked Beijing, for what he described as their aggression toward neighbors in the South China Sea and East China Sea.

Hagel’s bellicose speech was matched by Japanese Prime Minister Shinzo Abe, who promoted Japan’s new interpretation of the postwar “peace constitution” allowing Tokyo to take offensive military actions in partnership with other nations. He told the gathering that Japan was prepared to provide military equipment and intelligence support to neighbors feeling “threatened,” an unambiguous reference to China.

Defense One, a website whose editor attended the Dialogue, reported that, behind the scenes, Hagel was pushing the idea of an “Asian NATO” alliance, anchored in the ASEAN (Association of South East Asian Nations) states and clearly targeted against China.

This week, President Obama will be traveling to Europe, where he will meet with the newly elected Ukrainian President Petro Poroshenko before attending

a G-7 heads of state meeting in Brussels. That summit was originally scheduled to be a G-8 meeting in Sochi, Russia, but Russia was expelled from the G-8 earlier this year as part of the sanctions imposed on Moscow after the NATO-backed coup in Ukraine. White House briefings on the President’s trip highlighted his plans to pressure the European allies to increase sanctions against Russia, despite the fact that President Putin has withdrawn most Russian military units from the border region near Ukraine and has clearly taken other steps to de-escalate the crisis.

On June 6, both Obama and Putin will be at Normandy for the commemoration of the 70th anniversary of the World War II D-Day landing.

The Russian government has made some pointed statements in the past days, warning that it is prepared to counter the Obama Administration’s Prompt Global Strike doctrine of pre-emptive war.

Russia has also warned against Washington and Brussel’s plans to extend NATO further east. At a North Atlantic Council meeting last month, a scenario was adopted to accelerate the process of Georgia gaining full NATO membership. And there are reports that talks are underway to bring several Scandanavian countries into NATO as well.

## Growing Resistance

The provocations against Russia are meeting growing European resistance. After British Members of Parliament circulated a petition demanding cancellation of planned July 2014 joint U.S.-British-Ukrainian military maneuvers in Ukraine, those maneuvers were postponed indefinitely. In his meeting with Poroshenko, Obama is expected to further boost U.S. military assistance to Ukraine. Since the start of the coup earlier this year, the U.S. has tripled military assistance to the illegal putsch regime in Kiev.

All of these developments amount to dangerous war provocations coming out of London and Washington. They are driven by growing desperation that the entire trans-Atlantic financial system is on the edge of collapse, and that the Obama Presidency is also finished. With growing calls for Obama’s impeachment, with scandals escalating, and with the President’s approval ratings at an all-time low, the desperation on the part of the British Crown is at a peak. It is that desperation that is the source of a war danger that is growing by the day.

THE EMPIRE IS CRUMBLING!

## Future of Europe's Nations Is with the New Silk Road

by Helga Zepp-LaRouche

May 30—The Earth-shattering successes of opponents of the European Union in the European Parliamentary elections on May 22-25 (in France, Great Britain, Greece, and Ireland), and the considerable success of anti-EU parties in Denmark, Italy, Hungary, Austria, and Poland, signify a turning point: the beginning of the end of the EU empire. Voters held the EU bureaucracy in Brussels accountable for the failed experiment of the European Monetary Union, for the violation of human rights by the Troika's austerity policies in Greece, Italy, Spain, and Portugal, and for the French government's Brussels-inspired austerity program. The subsequent haggling over who will be president of the EU Commission is a sign of the illness that afflicts the EU: the virus of discord is spreading.

In many world capitals, speculation is rife about what the EU's future holds and what effect this revolt will have on the strategic situation overall. And here opinions are divided. For those both inside and outside the EU who believed the Brussels propaganda—that the EU is the guarantor of peace both internally and externally, that it defends Europe's interests against other power blocs, and that therefore it benefits everyone—this election was a cold shower,

which will hopefully lead them to a better recognition of reality.

The election was a very positive development, however, for those who have seen the EU, ever since the signing of the Maastricht Treaty in 1992, as a continually expanding empire; along with the eastern expansion of NATO, it has been part of the strategic encirclement of Russia, and has become more and more a monster, representing only the interests of the banks at the expense of the common good, while the gap between rich and poor becomes intolerably wide.

### The Strategic Danger

No thinking person can now doubt that there are parallels to the outbreak of World War I, one hundred years ago, in 1914. But because of the thermo-nuclear arsenals today that could wipe out the human race a dozen times over, and, given the consequences that a civil war in Ukraine could have, the world situation now is much more dangerous. After all, in a third world war, mankind could cease to exist.

Despite the so-called “narratives” being circulated by political think-tanks and the mass media, the danger of war does not emanate from Russian Presi-



*The Olympian Zeus turned himself into a bull to seduce Europa: an apt image for the EU today.*





frontnational.com

*A rally of the National Front in France, May 1, 2014: “No to Brussels, yes to France.”*

dent Vladimir Putin, nor from China. It is exclusively the result of both deliberate decisions and errors on the part of the West: 1) the refusal to include Russia in new alliances after the collapse of the Soviet Union; 2) the broken promises to Russia after the disbanding of the Soviet Union, that NATO would not expand toward Russia’s borders; 3) the ultimatum included in the EU Association Agreement for Ukraine, which would have made Russia indefensible and would force Ukraine to split in two, because of the country’s internal composition; 4) the policy of regime change at any price, which, along with the long-term Western financing of 2,200 NGOs in Ukraine, unleashed a well-known Nazi Frankenstein monster; and then, 5) the unbelievable audacity of covering up who was actually responsible for the atrocities in Odessa, for example, while preaching democracy and human rights.

The fact is, the people in the nations of Europe do not believe these “narratives.” The last time there was a comparable discrepancy between the official party/media line, and what the people actually thought, was in October 1989 in the German Democratic Republic [East Germany]. The people of Europe experienced world war twice on their territory in the 20th Century, and even if they don’t know all the facts and historical background, they recognize the demonization of Putin as war-mongering, and voted against the parties that are promoting it.

## A Bankers’ Dictatorship

The second main reason for the election result was, of course, what the EU has become, from the Maastricht Treaty to the Lisbon Treaty (2009): a supranational dictatorship in the interest of the banks and speculators. Instead of taking up the historic opportunity presented by the fall of the Berlin Wall in 1989—which could have been one of humanity’s most shining moments, to establish an order of peace for the 21st Century—the same old geopolitics went into effect which had led to the First World War. Germany was forced, as the price for reunification, to give up its sov-

eighty over its own currency, the deutschemark; to vote (against its better judgment) for the European Monetary Union; and to allow itself to be squeezed into the corset of the EU’s Maastricht Treaty. With the introduction of the euro, the Eurozone and implicitly the entire EU became the regional representation of “globalization”—which was nothing but a synonym for a world empire based on the Anglo-American special relationship.

The EU of the Lisbon Treaty, which the oligarchical circles want to replace as soon as possible with a European Super-State, is nothing more than a new version of the empires that ruled Europe for millennia: the Greek Empire described by Thucydides, which destroyed ancient Greece; the Roman Empire; the Venetian Empire; the Dutch-English Empire; and finally the British Empire, which has by no means disappeared, but continues to exist in the form of globalization.

There is a deeper truth in the legend that Zeus, the human-hating god of Olympus, turned into a bull in order to seduce Europa. If we look at the main conflict of in European history of the last 3,000 years from the standpoint of Greek mythology, we see the clash between the oligarchical system of Zeus and the progressive system of Prometheus, who brought mankind fire and thus scientific and technological progress; or from the point of view of Christianity, the equivalent is the contrast between Satan and the goodness of God. The



Creative Commons/Euro Realist newsletter

Activists of Britain's UK Independence Party (UKIP), on a road tour in 2009.

Europe of the EU today has undoubtedly succumbed to the blandishments of Zeus. And how could the system of globalization be described, if it accepts the death of millions of people? Certainly not as Christian.

The fact is that the EU is a European Empire, and that there is no such thing as a single European people. At least some of the 28 nations that have been brought together under the yoke of the Brussels dictatorship have expressed this. And because the trans-Atlantic financial system is hopelessly bankrupt, and the Troika has nothing to offer except lethal formulas in the interest of the banks and speculators, this oligarchical construct will come to an end in an extremely short time. If Europe's nations are to survive, the imperial character of Europe must be overcome as soon as possible!

### The New Silk Road

Fortunately, an alternative is coming together: a grouping of nations that are instead committed to the Promethean principle of development of their populations and cooperation among sovereign republics. China has made its program of a New Silk Road between Asia and Europe a priority, while the May 20 Shanghai agreement between Russia and China, for strategic cooperation and 46 individual accords for fundamental collaboration, including in high-technology areas, has created a new pole, which is also oriented toward India and most other Asian states. Everything will now depend on a group of Eurasian nations coming together as fast as possible in an alliance of sovereign republics, which renounces once and for all the idea of war as a means of conflict resolution, and works together for the common aims of mankind.

The New Silk Road—i.e., the launch of many infrastructure projects on the highest technical level, which is the prerequisite for the development of land-locked regions of the Eurasian continent, but also of Africa—has now been placed on the agenda because of this new alliance between China and Russia. This begins to make a new economic geometry become a reality: long-term development of

the real economy and the common good, replacing the old geometry of “let the select few get rich quick.”

Even if supposedly practical politicians have still not fully understood it, the vote in the European elections signifies the end of an era. Humanity has the prospect of a future again.

*Translated from German by Susan Welsh*

## Euro Elections Send Empire's Pols Reeling

In what is now referred to as a political “earthquake,” voters across Europe handed crushing defeats to the British Empire's pro-austerity, anti-sovereignty ruling national parties of the May 22-25 European Parliament elections. Here is a brief look at the results in four countries.

### Britain

The euro-skeptic UK Independence Party (UKIP), which 20 years ago received 1% of the vote in its first European election, won with 27%. For the first time in 100 years, neither the Labour nor the Conservative party won a British national election.

UKIP campaigns for the United Kingdom's withdrawal from the European Union, which, it says, has too much control over the lives of British people. UKIP also wants to do away the free movement of people within the bloc, and limit the number of immigrants allowed

into the UK. Tim Farron, the president of the Liberal Democrats, who lost 10 of their 11 seats, said, “Britain is drifting to the exit door of the European Union.”

## France

The National Front, which campaigns for France’s leaving the Eurozone, new limits on immigration, and reintroduction of national border controls, won the most votes for the first time, with nearly 25%.

The UMP (the traditional right-wing) lagged behind with 20% (27.8% in 2009), and the Socialist Party of President François Hollande got a drubbing with only 14% (down from 16.2% in 2009). The other major loser was the Green Party, which got only 8% (16% in 2009). The Left Party (Communist Party plus Left Front) remained stuck at 6.5%, as before. The UMP and the Greens lost respectively 10 and 8 seats in the European Parliament; the Socialists lost one seat.

*Telegraph* writer Ambrose Evans-Pritchard, in his May 29 column, reports that, when he asked Marine Le Pen, head of the National Front, what would be the first thing she would do if she became President, she “replied she would instruct the French Treasury to draft plans for the immediate restoration of the franc, that great symbol of emancipation from the English occupation (*franc des Anglais*),” if an orderly dismantling of the Eurozone is not implemented.

## Greece

The leading opposition party, Syriza, topped the polls with 27%, delivering a strong message that it could win the next national elections. Syriza leader Alexis Tsipras has been a prominent voice against the murderous austerity policy of the European Union, although he has not called for leaving the Eurozone.

The vote gave Syriza 7 of the 21 seats Greece has in the European Parliament, while the ruling New Democracy received less than 23% for only 6 seats.

## Ireland

Elections for all the local councils and for the European Parliament in both parts of Ireland up-ended the monopoly of the three establishment parties which have dominated the Republic of Ireland for nine decades. Sinn Féin made huge gains, particularly in county and municipal elections, and is now the largest party in Ireland. This portends the end of the Fine Gael-Labour coalition government in the Republic of Ireland, the second government in a row to ram murderous EU and

Troika austerity down the throats of the Irish people. Sinn Féin made opposition to this austerity its leading campaign issue, promising to protect the vulnerable, and the interests of Ireland.

In the wake of his party being virtually obliterated, the Republic of Ireland’s Deputy Prime Minister and Minister of Foreign Affairs, Eamon Gilmore, resigned as head of the Labour Party. In 2011, Labour’s vote was twice that of Sinn Féin’s, but last week, Sinn Féin’s vote was triple that of Labour.

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Jacques Cheminade

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# France Is the Epicenter Of the Euro-Earthquake

*Jacques Cheminade, the leader of the LaRouche-associated French political party Solidarity and Progress, was the guest on The LaRouche Show online radio program, on May 31, hosted by Harley Schlanger ([www.larouchepub.com/radio/archive\\_2014.html](http://www.larouchepub.com/radio/archive_2014.html)). Cheminade has run twice for the Presidency in France, but as Schlanger pointed out, his reach extends into North Africa, into the Middle East, as well as into Eurasia. Their discussion was wide-ranging, including on the danger of war, the Eurasian Land-Bridge, and France’s relations with China. We excerpt here the portions dealing with the impact of the recent European Parliamentary elections.*

**Cheminade:** ...First, the resistance to the British Empire is piling in. The British Empire is in big trouble, and we have to rejoice about the results in the European elections. Not because of the parties who won, but because of what they had to represent and the issues they had to raise, because the population cannot stand any more the austerity that is imposed upon them.

The second thing, is that we are on the edge here, the verge of an immediate bail-in crisis. The European banks are the more vulnerable, because they have been playing with their accounts more than any other banks in the world. Their equity is weighted by risk, and the evaluation of the risks is by the bank itself! So they strongly underestimated the risk....





EIRNS/Christopher Lewis

*Jacques Cheminade: The European Parliament elections are good news, "not because of the parties who won, but because of what they had to represent and the issues they had to raise, because the population cannot stand any more the austerity that is imposed upon them."*

**Schlanger:** Lyndon LaRouche mentioned this morning that you have developing now in Europe a potential breakaway from the whole trans-Atlantic policy of austerity and fascism, and from support of a British imperial war. He pointed to France, Germany, and Italy as the three key nations in Europe. How do you see that?

**Cheminade:** The so-called Euroskeptics made a big breakthrough at a European level—not only in France, not only in England—and on both the right and left: Syriza on the left side and the Nigel Farage party [UKIP] and the Marine Le Pen party [National Front] in Great Britain and France. It is a sign of the absolute destabilization of the political landscape.

France is somehow the epicenter of this earthquake. Why? Because it's a country where the gap between the official political class and the relatively educated people is wider. What you have, as a result of this election: The good news is that the treasonous parties have been shaken. The Gaullists who had betrayed Gaullism, and the Socialists who had betrayed [Jean] Jaurès socialism were more strongly defeated than people would think in the United States or elsewhere.

There was a big article in the most-read

French newspaper *Le Parisien* or *Le Parisien Aujourd'hui*, which is a popular paper, which said, "Shut up! Shut your mouths. You in the Socialist Party, you in the UMP"—which is the so-called Gaullist opposition—"you should shut your mouths. You are full of scandals, you have nothing to say to the French people about how they feel, you are a sideshow, and these sideshows will be stopped and something else should emerge."

This means that the true questions are raised. And the future, in a sense, is coming to us. And the world of fantasy is exploding.

## The Political Class Has Lost Its Mandate

**Schlanger:** How long can Hollande stay in office, when he is polling around 12-15%?

**Cheminade:** The French were asked whether they wanted him to run in 2017 for the Presidency, and 3% said yes; 12-15% support him because he's the President, but not because he's Hollande.

**Schlanger:** So that's what you mean when you say the political class has lost its luster, has lost its mandate?

**Cheminade:** Because all of them are unstable, on moving sands. They fear getting into power, because they know that if they are in power, they will have to be



A poster from Ireland's Sinn Féin party, campaigning against the EU's Lisbon Treaty in 2009

heroes, and they don't want to be political heroes.

The other good news is that the incestuous relationship between French politicians, bankers, and the media, the press, also has been absolutely broken. The bad news, in a way, is that Marine Le Pen got the votes and not us...

In such a situation, our ideas should win. That's why they have created, in a sense synthetically, Marine Le Pen, starting from a National Front which they controlled since the beginning. And she is in a sense a voice against the system, but also a "spare tire of the system." Because what she spreads is a kind of national monetarism against the supranational monetarism. And you have the same in England with Nigel Farage: He is against the euro; he gives very good speeches against the euro; he denounces the European Union; he attacks those in the EU who went against the Russians in Ukraine. He is very good on these issues. But he says we should leave the EU to maintain the main things that make the British proud of themselves: the City of London and the Commonwealth.

So this idea of a "spare tire of the system" is very important to understand. And for that, you have to go back into French history.

### The British Go After de Gaulle

In 1965, [Charles] de Gaulle won as President. The British did not manage to kill him; they tried to kill him, and he almost died in three or four attempts, but they didn't manage to kill him. The OAS [Secret Army Organization] people—the same who participated in the murder of President Kennedy—tried to kill him, but they did not succeed. So the British had to launch a political operation against him, and they launched François Mitterrand, to take over the Socialist Party. Mitter-



*French President Charles de Gaulle (left) greets German Chancellor Konrad Adenauer at the Paris airport, Sept. 27, 1963. De Gaulle was in favor of a "Europe of the Fatherlands"—meaning sovereign nation-states, unlike the current EU.*

rand compelled de Gaulle to run in a second round in the Presidential election of 1965, and de Gaulle got only 55%. So he was relatively weakened, because people expected him to get 70%.

So Mitterrand was supported by whom? It's very interesting, if you look at it historically. It was an improbable alliance: what we would call the Atlanticist Socialists, people who were on the Anglo-American side; liberal Communists, closer to London than to Moscow; and then the extreme right wing, with the OAS, which supported Mitterrand against de Gaulle! The extreme right wing supported Mitterrand, who was allegedly a leftist, against de Gaulle. And the guy running this was [Jean-Louis] Tixier-Vignancour [independent candidate of the extreme right], and he had as the head of his campaign, a

man named Jean-Marie Le Pen.

**Schlanger:** So Le Pen was part of the Mitterrand apparatus?

**Cheminade:** Not a part of the Mitterrand apparatus, but a kind of buffoon of Mitterrand. Mitterrand played Le Pen against the right-wing opposition all the time, saying, "It's myself or Le Pen."

Some think today that Hollande would like to play the same game in the future, or some Socialist willing to replace Hollande, who would manage to be in the second round of the Presidential elections in 2015, together with Marine Le Pen—and the people against Marine Le Pen would vote for them, as happened with Mitterrand in the past. This won't work! It is a scheme which is absolutely removed from our times.

**Schlanger:** What is it that Marine Le Pen is appealing to? On the one hand, it's the opposition to the EU; but what else is part of the vote for her movement?

**Cheminade:** Against immigration. Like Nigel Farage: He is violently against immigration. But they



say she is against immigration, but not against immigrants. And she changed completely the policy of her father. Her father is still a candidate, and he was elected with a strong vote in southern France, 29%. She got 32% in northern France. But her father, in the past, was a [free-market] ultra-liberal, he was for Thatcher, he was for the worst of the Reagan Administration, and he was absolutely for a decentralized state.

Marine Le Pen completely shifted: Now she's for a centralized state, and she called for Glass-Steagall, of course, and she moved away from main aspects of her father's program. She offered a program which, except for the immigration issue, and the call for nationalism, and not really patriotism—she created something which could be misunderstood, by people who don't really go into depth on the issues, as similar to us.

So, I said a "synthetic" character, because I know that people in the National Front copied our program to cover up their true options. Jean-Claude Martinez, the former vice president of the National Front, who had been assigned to copy-cat our ideas, has now come out against Marine Le Pen, because Marine Le Pen dropped him. Now he says: I was her teacher at law school; her papers were dramatic. She has no greatness; she's vulgar and addicted to a beverage—let's say, a whiskey drinker—but in a world of chihuahuas, bulldogs have a great chance to win.

So you understand how it works. It needs to be understood: The issue is not Farage or Martine Le Pen or whatever, or [Alexis] Tsipras and Syriza on the extreme left. The issue is that something is new in Western Europe, and it is against the British Empire. These people, like Tsipras, like Syriza, like Marine Le Pen, like Beppe Grillo [in Italy], and others, have to go against the British Empire! It's the only way for them to maintain their existence and to get votes. But in doing that, they open the road for true resistance to the British Empire. . . .

## The Gaullist Concept of Europe

**Schlanger:** What did de Gaulle mean when he talked about a Europe "from the Atlantic to the Urals"? Because that's very different from what we've seen emerge with the European Union.

**Cheminade:** De Gaulle was strongly attacked by the European bureaucracy. The Hallstein Plan wanted to destroy the sovereignty of the European nations, and particularly in France—this was also in 1965. It was the Hallstein Plan, supported by a lot of people in France, like Raymond Barre, went for that: to debase national

sovereignty. So de Gaulle decided to stop going to the European meetings for six months. This was the policy of the *chaise vide* [empty chair] representing France. So finally they had to accept French sovereignty.

It's interesting to connect that with France being the first country to recognize China, not because they liked Mao Zedong, but because they recognized the power of China in the world, in 1964. So there is the connection. It doesn't express itself politically, but it is very active in economic circles, industrial circles, and culturally.

**Schlanger:** And so when de Gaulle was talking about his conception of Europe, it was based on national sovereignty, but what Lyndon LaRouche always describes as a community of principle of perfectly sovereign nation-states.

**Cheminade:** Well, what de Gaulle said was that patriotism is to love one's country and to try to get the best from the others and to give the best to the others. Nationalism, instead, in his words, is to reject the other countries and to retreat into tradition. And he said: I am not for tradition; I don't like the right-wingers because they hate the people, and I don't like the left because they hate the nations. . . .

The French people at this point are for Europe, but against the European Union. And we made a campaign—because I would not have run in the European elections, because to elect a Parliament for nothing, phew!, it's not worth running. These European elections were organized to be a farce. . . .

Let me go back to this Marine Le Pen issue, because it's interesting. The Russians are now denounced because they welcomed Marine Le Pen; she met [Deputy Prime Minister of Russia, Dmitri] Rogozin in Russia, and also the head of the Duma, Sergei Naryshkin. So now they say in France that she is connected to the KGB, and so on and so forth.

And if you see the Russian side, you put your mind on the Russian side, I can understand that. They play it to destabilize the European Union, on the right or left side.

But that's not our job. Our job is to go further, and to create the conditions where the real policy of the Eurasian Land-Bridge and the World Land-Bridge can be created.

And Marine Le Pen keeps attacking the United States—you have to understand that also. She never mentions the British Empire, and she never mentions that France should not pay the debt.

The Russians say that the Americans are controlling the parties favorable to the European Union, so it's normal that we play the other card. And they're right, from their side.

### We Have To Give People a Sense of Optimism

**Schlanger:** In terms of the alternate economic zone coming into existence—the BRIC [Brazil, Russia, India, China] nations, the Eurasian Economic Union, the Russia-China deal—there are a number of things in process. But clearly, what we're seeing is countries that are opting out of the collapse of the trans-Atlantic system. What's your assessment of where this is going?

**Cheminade:** They have to understand who LaRouche is, and what his movement in the United States is, and that Obama is about to be impeached. This is not yet in the minds even of the best people in France. They see it as a very interesting motion, but they don't see it as possible within a relatively short term. They don't see that. I have to bang that into their heads, so that they understand that it's *now* that the future is coming, it's not tomorrow....

If you want to understand what's really happening in the minds of people in Europe: I was in Toulouse. A

lot of people came to me to shake hands, and they said, "Thanks a lot for what you have done for us. But I did not vote for you because it was not practical; I wanted my vote to be useful." But now you have Hollande! Very useful. And they said, "You're right. You're right to mock us." But then a minority says, "I voted for you. Now you should give them hell!"

This minority identifies itself as soon as it sees me in the street. The vote was very small—it was 0.25%. It's funny, but we got the main vote, 1%, in French Polynesia, where we had never been!...

The problem in the [organizing in the] field or on the phone when we talk to people, is that people tend to say, "We agree with what you say, but it's impossible. Reality cannot be that good." So you have to give them a sense of optimism, a sense of the future. And the big problem is that French politicians have certain political knowledge, meager historical knowledge, but they absolutely lack any philosophical culture, aesthetic culture, scientific culture. Therefore it leaves the country with a selection in schools based on mathematics and formalism, and the people having an extremely limited notion of what truth, beauty, and human brotherhood mean....

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—Lyndon LaRouche, Feb. 11, 2013



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## **Economists Who Were Usually Stupid**

by Lyndon H. LaRouche, Jr.

May 8, 2014

Notably, references made here, must begin with these following, necessarily, multiply extended, prefatory remarks. These are made respecting those matters, which will be shown, below, as having been lodged within what are now, in effect, matters subsumed under a necessarily, somewhat extended history of my own early, formal, education, as follows:

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### **My Extended Education**

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I was born in Rochester, New Hampshire, on September 8, 1922. My own education since I had left a Rochester school at the age of ten, had moved me into a Lynn, Massachusetts grammar school in 1932. That had scarcely been much of a success, as ordinary matters go. Many among the teachings supplied by the Lynn, Massachusetts schools in my own time there, had often been filled out with the relegation of the subject of mathematics and its derivatives, to what is presently traceable to the then wicked influence of Bertrand Russell. That had been an influence which had been felt approximately world-wide, by the time of the end of World War I.

In my experience, there had been some exceptions to a more general incompetence of education in schools; but, those exceptions had been limited to a relatively few classes from among the total. I came to see this more clearly, in my concluding three years at Lynn English High School, which were, otherwise, virtually a total disaster, as, similarly, my later experience during the nominal university education administered to me in a university in Boston and its vicin-



EIRNS/Claudio Celani

*"Watching the Teachers Enter." Lyndon LaRouche writes about the failures of public education when he was a student, some 80 years ago, but since the death of President Kennedy, the quality of education has declined even more precipitously.*

ity, before and after military service in the U.S.A. and, then, Asia after the close of World War II.

The best feature of any competent report on my educational experience, is, still, today, that it was, frankly, the more disgusting as several years had passed.

### ***The Worst Characteristics***

The worst characteristics which had been common to the classes in education, were those in Lynn, Massachusetts, first, and, later, Boston. In both of the two cases, the relevant worst effects were the most disgusting with respect to a practice of a body of teaching which had been based on the defense of Euclidean geometry, and its derived expressions, such as the depraved

mathematics which had been premised on those fraudulently adopted presumptions which had taken control over trans-Atlantic education, at the beginning of the Twentieth Century, in place of actual science.

This fraudulent substitution is to be witnessed, still today, since the 1900-dated campaigns of David Hilbert, in France in 1900 A.D., and, slightly later, the outrightly Satanic influence of Britain's Bertrand Russell world-wide: that consolidated the beginning of the early 1920s, ever since, up to the present time.

The relatively worst cases of the post-Nineteenth Century's moral and intellectual degeneration in education, generally still worse presently, have been typical of the destructive force of moral disaster, which is quickly identifiable as "reductionism:" a worsening pathology, which had, then, already permeated the educational systems in both secondary and university-bases. This wicked change had been premised upon merely an essentially linear, actually anti-scientific hoax: virtually, an avowedly mandatory hoax, resting on the farcical teachings which were commonly based on the neo-archaic root of an *a-priori*, Euclidean geometry, and on the related offshoots of a mere arithmetic, not an actually physical science.

This was a mere arithmetic which had been installed as a proposed replacement for actual science, and which has remained as increasingly hegemonic throughout both the Twentieth Century, and also the early Twenty-First this far. Those trends of degeneration in educational and merely allegedly scientific practices, and their effects, have remained relatively hegemonic, although entirely fraudulent, and, also, as systemically opposed, fiercely, to any semblance of an actually physical, modern science.

By my time in life, that particular fraud, of Euclidean geometry, had generally saturated the pores of the system in that High School which I had attended in Lynn, Massachusetts, then, in particular, and continues in an actually worse form presently. That factor, was systemically destructive in its effects on the most among the stu-

dents there, and was, also, visibly damaging to potentially cognitive powers of the students, more generally.

### ***At Lynn English High School***

What had saved me from much of this corruption, in particular, went according to the proverbially Scottish references to the notion of “all that,” as having been the interventions, by competent leading elements of the Lynn, Massachusetts directors for the city’s educational system, notably senior official Stephens and the head of the Lynn English High School.

There, I was justly rescued, initially, by the results of my simply taking an “I.Q.” test, which proved to me (and relevant others), sufficiently then, to be startlingly clear evidence, initially, against the vicious abuses generally practiced, in particular, in the Eighth Grade of school in which I had been virtually pilloried at that time, by the abuse by some of the faculty of the relevant Junior High School, where I had been subjected to such treatment, prior to the taking of that standard “I.Q.” test of the time. It was the result of that test, which had prompted the higher ranks of the Lynn school system, to liberate me from the vicious abuse to which I had been subjected by that so-called Junior High School Eighth Grade.

The resulting evidence shown then, and later, was that I had been an exceptional talent. For that reason, I became, soon, a bit later, once more, the victim of a new source for a virtual intellectual “lynch mob” hostility against me personally, which had included a large ration among some of the faculty of the Lynn English High School at this time. The sponsors of that sort of “pogrom,” were those teachers of the type who had preferred that the students not actually think too carefully, but, rather, should simply attempt to repeat what they had been taught by the combined efforts of teachers and by the texts supplied.

Thus, what had happened in the 8th grade experience, appeared, afresh, as widely echoed among the faculty at the Lynn English High School. There were some exceptions to such “popular abuses,”<sup>1</sup> particularly among the better

scholars, but the ugliness remained the prevalent truth to be spoken respecting the prevalent practice throughout the general environment, there.

The “I.Q.” tests which I had experienced, both in the 8th grade case, and, freshly in the Lynn English High School, had each demonstrated a relatively exceptional, so-called “I.Q.,” rating, for which only a relatively very small minority of the students were qualified. Unfortunately, the connections to those abuses to which I had been subjected in the Eighth Grade, were not limited to that school; they had been, essentially, the same stupid abuse which would, and did cross-infect a relatively large ration of even the Lynn English High School faculty (with some notable exceptions), within the Lynn school system. The later, second, “I.Q. test,” showed evidence of suggested higher achievement levels, with respect to those which had been measured earlier, for the Eighth Grade affair.

There was, nonetheless, a continuing targeting of students who were, not only even merely, “quicker learners;” but, actually original thinkers, a type which were emphatically not wanted by certain, unfortunately prevalent, malicious clusters, assembled from among the faculties in both Lynn and, later, my experience with relevant Boston university educational programs. Some of the faculty are to be blamed in those cases; but, like, the administration of the Eighth Grade, and the later class-work at the High School levels, they were, generally, intellectual disasters in fact: both for the students, and the effects shown in the shaping of their judgments in later years.

Only in few cases, over the full course of that time, those who stood out as valuable exceptions, especially in the non-mathematical aspects of the education, showed their significant resistance to the more popular follies; but they were, nonetheless, only a relative minority. When the faculties were corrupted in that respect, they had been, for the most part, also, even

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my mercurially disposed, from “enraged to publicly charming” father, were an aggravating consideration in the process as a whole; but, the one factor only re-enforced the other. The only effective resolution, was to rely on my own stubborn commitment to the notion that only the truth of a matter was a satisfactory resolution.

1. I must admit, that the almost regular, weekly beatings I enjoyed from



vicious in protecting their often dubious expressions of appeals to an allegedly “popular opinion” of “those regular guys and girls” who were, generally, more concerned with being considered as “popular,” than seeking the merits of their future roles in society.

The results of what I have already referenced here, as the twice-repeated I.Q. testing of me, had seemed to have virtually saved my need to sort out good, or, at the least, merely decency, from the intellectual “lynch-mob” sort of bestiality preponderant in the general educational environment. My “I.Q.” testings by the educational departments, had occurred on two most notable, relatively successive occasions; these tests had shown me, as also the relevant officials, exceptionally high qualities of competence in my own performances, as shared among the relatively upper ranks of intellectual development within the student bodies during those times. The most notable effect of this testing, was, for me, the importance of seeking to re-enforce what had been tested as indications of my own, relatively superior notion of truth, generally; this would be continued by me, as a pattern, as from the close of my secondary education into some dismal university years.<sup>2</sup>

My personal experience on this account was never unique in and of itself. The technically identified practice of talking-down students in public schools into a state of moral confusion, and, similarly, also in universities, has been, now increasingly, a generally accelerated practice of presently current educational institutions, which was a cause for an increased moral and intellectual degeneracy-rate which has been increasingly acute since the assassinations of President John F. Kennedy and his brother Robert, and since the parallel spread of drug-addiction among soldiers and others during the interval of the U.S. part in the worse than useless Indo-China war, as both President



*Capricho 37: “Might not the pupil know more?” Francisco de Goya (1797-98).*

John F. Kennedy and General Douglas MacArthur had forewarned, prior to the assassination of John F. Kennedy, and as during the closely following death of our republic’s then greatest living military strategist, Douglas MacArthur.

The alleged, chiefly fraudulent “Case of Lyndon LaRouche,” has thus continued to reflect what has recently been the usual quality and effect of what I experienced in the setting of the educational systems, of my own knowledge; but, at the same time, it expressed, more importantly, a characteristically declining intellectual quality of the educational, and functionally related institutions, over the course of the passage

2. Although there had been a useful purpose in the “I.Q.” tests, their merit was, nonetheless, a matter of estimated relative accomplishments, according to roughly clear and distinct categories; but, they were otherwise matters of pragmatically useful assortments of relative categories, which served as meaningful notions of a series of categories, not an absolute measure.

of recent decades, a moral and intellectual decline which I had already experienced, since my experience with what I have indicated as educational processes, up through the present time. It is, notably much worse, presently, especially among the adolescents, and younger, than ever before. However, the typical sophistry practiced publicly by typical members of the Congress, for example, shows too much of a similarly regrettable performance in respect to the need for truth expressed in the public interest. The decadence of the standards of judgment by the U.S. Congress, has been the fruit of two leading factors: the declining quality of intellectual competence in the U.S. government itself, especially since the assassinations of President John F. Kennedy and his brother, Robert, coincided with the plunge into a British-directed, important increase of relative stupidity within nearly all categories of the general population since the assassinations of the two Kennedy brothers, and the rise of the politically induced, virtually decorticating “Green” intellectual pestilence, which has been increasingly prevalent throughout most of the dope-soaked ranks of such increasing rations of the mentally and morally incompetent of the increasing rations of the dope-soaked sector and related, “green” brain-drained, and the increasing ration of the often wobbly-headed sections of the U.S. population presently.

### ***Into My University Years***

My own university years, had been, essentially, a morally dismal aspect of public and related education. I have recalled it, as, being often begun on a much lower level of the intention of education, than had been the case in the Lynn, Massachusetts high school system. The education of the particular university life which I had experienced, was predominantly below the quality of the education which I had received, earlier, in the Lynn High School. The passage from the President Franklin Roosevelt/World War II generation, into the post-Roosevelt, relative moral and intellectual degeneracy of the Harry S Truman Administration, was directed, via Wall Street, by the Truman-Churchill-Bertrand Russell “Witch-hunt” trend, a trend which had pro-

duced an induced, long-ranging decline in the moral and intellectual qualities of performance of the U.S. population generally, even in virtually all relevant categories, moral categories, most emphatically.<sup>3</sup>

My second experience with that same Boston-area University on which my father had repeatedly insisted, had credible exceptions such as an academic year’s study in “the German language for us seeking careers involving chemistry,” or a smattering of the principles of chemistry in some of the faculty, or, also the literary skills of a certain Dean of the university, and some intermittent, useful snatches of chemistry caught between-times. Otherwise, the experience there, was an exposure to a chronic sort of pedagogical disaster which had rather simply reflected the influence of the Twentieth Century’s fraudulent, but also decaying dogmas of relying on merely mathematics, rather than actually physical science, while tending, either to avoid all actual science, in favor of eliminating the influence of actual science, or, to craft a mere appearance of a glib showing of some of “the real stuff.”

Certainly, not all among the professors and instructors, were actually incompetent; but, from the moment of the death of President Franklin D. Roosevelt, the culture of the United States, was already in precipitous decline under the freshly accelerated pressures from the British empire’s increasingly over-reaching control of the post-FDR United States, chiefly, then, under the dictatorship of Winston Churchill and, more importantly, the virtual Satan of almost the entirety of the Twentieth Century, Satan’s clearly own Bertrand Russell. Such were the exemplary effects which had fostered the predominant spirit of increasingly decadent sophistries permeating the atmosphere of the institution of education itself; this effect was both the principal source and medium of the practiced intellectual, and also moral corruption, if sometimes, even with a mere taint of competence to “so to speak,” lend a mere appearance of the poorly refined coating placed upon the correspondingly disgusting

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3. I treat this delicate subject, in appropriately selected, later chapters following.



New York State/Library of Congress

*LaRouche's wartime service, like that of other veterans, meant that they "were no longer children to be taught; we preferred to be those who selected their destiny as a matter of a maturing personal judgment respecting the necessities for the future." Here, returning troops express their jubilation at coming home, Aug. 6, 1945.*

cake. The prevalent rule was, of the customarily and monotonously corrupt, "go along to get along" mentality: a spirit of "sham" which has permeated the life of our institutions, not excluding the U.S. Congress, generally up to about the present time.

### ***Somewhat Later:***

During that same period, but following the close of World War II, I had returned to the university which I had suffered through earlier, but I had sometimes enjoyed encounters with some eminently important professional physical scientists, and the like, met from the context of such as the Harvard environment. At that time, I was one among those with whom I had recently returned from the concluding term of my military service in Asia; and, I had enjoyed the degree of confidence which I had brought back with me from the latter phase of that military experience abroad; but, I had also had more than enough of the university to which I had mistakenly returned, briefly, after military service. All-in-all,

this was a tasteless experience which I briefly endured only for reason of the pressures from my father. However, his pressure on that subject had lost any further meaning for me as a dweller in the post-war world: I set forth, thence, to seek out, and make my own future, thenceforth. The pathway leading up, was chiefly rugged; but, it was not long before the appropriate remedy appeared; now, I had excelled within the scope of my professional assignments, until the FBI moved in to spoil matters for a time.

Many among us, notably from my own post-war generation, reacted similarly to my own reactions, in the respect, that being "away to war-time service," had marked out an interval of lapsed time between entering and leaving military

service. That circumstance, had, thus, tended to separate our pre-war outlook on society, from our post-war sense of personal morale, and morality, alike, from an experience of an adult identity under the resonant leadership of President Franklin Roosevelt.

For me, this resonance was potently emphatic. This effect included my often justly contemptuous attitudes toward the "kid stuff" aspects of university life: we, of many veterans among my generation, were no longer children to be taught; we preferred to be those who selected their destiny as a matter of a maturing personal judgment respecting the necessities for the future. We may have been denied that goal, from case to case at hand, but our intention was for scientific, economic, and cultural progress.<sup>4</sup> In

4. "Old dogs," with whom I might be classed today, tend to have that spirit which I share presently on this account. Some among our generation's sons and daughters are prone to respond to that spirit which resides as if within a resonance somewhere in our bones. The "I.Q." issue associated with my undergraduate and later development, is highly relevant with respect to the two upper strata of the relatively senior gen-

the meantime, under Truman and the continuing “witch-hunt” moods even under President Eisenhower’s Presidency, the pressures reflected the heavy hands of the notorious Dulles brothers, as we had known this fact during the course of World War II itself.

The single most notable implication of the aforesaid experience with both secondary, and higher education at the relevant institutions of learning, is that my intellectual achievements in later adult life, as in Lynn, Massachusetts’ I.Q. examinations, were, in performance, among those in range of the standard of the 125-148-score level denoted by the relatively different standards of the Academic and Military-service ratings: obviously, merely approaching the “genius” sectors, if not reaching it; but, nonetheless, thus approaching the relatively highest ranking professional competence attained during my many later decades of my profession as a physical economist in the domain of real life within our nation and abroad.<sup>5</sup> The actual problem was to be located within the social system of so-called “Popular Opinion.”

### ***The Standard for Meeting Achievement***

The root of those defects has lain, clearly, within the characteristics of a relatively declining quality of so-called “public opinion,” an effect which tends to determine that the younger generations will be, since the end of the 1960s, less intelligent in actual practice, than those of the older. This, somehow, despite the true genius of the founders of modern European (and, hence, also American) intellectual

achievements in modern science and Classical artistic performance, who are best gauged, practically, as by the standard of the leadership in the actual founding of all competent modern science, such as that under the leadership of such as the actual, trio of original founders of modern science, in order of sequence: (1) Filippo Brunelleschi; (2) Cardinal Nicholas of Cusa; and, (3) the unique achievement of Johannes Kepler of the original discovering of the existence of the Solar system.

Later, there were the foundations laid by the Winthrops and Mathers of Seventeenth Century Massachusetts, or their successors, such as Cotton Mather, in particular, who fostered the great genius and founder of the American Revolution, Benjamin Franklin, and such singularly great geniuses as our General Alexander Hamilton (the true founder of the economic system of the original U.S. Federal Constitution).

The physical science founded by Brunelleschi, Cusa, and Kepler, situated the progress effected by such outstanding figures, such as the true giants of the Seventeenth and early Eighteenth centuries, as Carl F. Gauss had been followed by his most brilliant student, Bernhard Riemann. Riemann made the revolution in science which the great Max Planck and Albert Einstein had later defined, respectively: the new minimum (Max Planck), the new maximum for science (Albert Einstein); and then, as being the successor for Kepler’s earlier role in Renaissance triad: the great Russian-Ukrainian, Vladimir Ivanovich Vernadsky, whose work in the foundations of physical science, had achieved a higher meaning for insight into man’s relationship to the Solar system as such, than ever before: the unique, astrophysical efficient principle: the essential function of ontological advances in human life, as a basis for existence within the Solar system (and beyond) *per se*.

### ***Education Since Franklin Roosevelt***

Afterwards, the assassinations of President John F. Kennedy and his brother Robert, were combined with the effects of the wretchedly wicked venture into the graveyards of souls, which had even more than destroyed human

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erations, much more so than citizens now in their twenties, or their parent’s generation. The quality of both those latter, a generation later, have been, generally much poorer in education and in economic and cultural opportunities, than my own immediately junior generation of the approximately fifty-to-seventy-year-old batches, or those presently living still older, if they are still economically and culturally active.

5. A “physical economist,” is efficiently defined as one devoted to those principles of physical chemistry chosen for purposes of economic practice, rather than the foolish babble of statistical mathematics. Science is a matter of achieving the future realities unknown to the mere past and present, as even the most modest appreciation of the principles of chemistry-as-a-science demands. I have been fairly regarded as, in fact, the most successful U.S. forecaster since the late 1950s. My successful debate against U.S.A. and leading British economics circles of the celebrated December 2, 1971 Queens College debate, has been a convenient marker of reference on this account.



bodies in the lunacy of the U.S. launching of its War in Indo-China, a war which was merely another holocaust of wasted lives set into motion by the influence of the British empire under the influence of the frankly Satanic Bertrand Russell.

The concomitants of all this, for me, had been, that since the testing which had led to my “double promotion” from the Eighth Grade, I had come to understand, increasingly, on successive points in what was for me, the history of my reflections: the specific failures of the educational processes to which I had been subjected, and which I had sometimes bitterly resisted, as in my public schools’ and in the aborted quality of most aspects of university education. This became more, and more clearly understandable as time had passed.

Post-World War II times and their developments since the time of the death of President Franklin D. Roosevelt, confronted me with the essential lesson-in-life: to become fully aware, in retrospect, of my own intellectual vindication on precisely that account: an achievement largely embodied in a deepening of a sense of a necessary distance from what had been, chiefly, a past into which I had come to know I had been dumped, in the main.

In fact, it had become, and remains the fact that my intellectual development in respect to these matters of education, had been far above the level of virtually all my known contemporaries, not only in both secondary schools and my later experience of then-customary university indoctrination. That has been the case ever since, as continued through the present time: but that also in the matter of the proper principles of statecraft.

My particular hatred, today, on this account, has been against the mis-teaching of science, a practice which has been premised on the basis of merely mathematics as such, as in the present tradition of David Hilbert and Bertrand Russell. This means that we must, urgently, end the fraud typified, by such cases as the stubborn hoax of Euclidean geometry, which persists, in the guise of Hilbert and Russell, as the most effective instrument of evil against humanity since Zeus and Satan themselves. My sharpest and most

bitter insight into the root-cause for my own hatred of that wretched sort of education which I had, largely experienced: it presents a reflection of my confrontations with the post-World War II doctrines of the British Empire’s leading professional Satan of the Twentieth Century, the same Bertrand Russell, himself.

### *My Own Profession*

Today, my initial, and still-current profession, has been that of employment as a specialist in economic forecasting, a role which had begun during the late 1940s, and, soon-thereafter, as a secondary executive in the same consulting firm. Those few years in practice in that position, were, first a consultant in the field, and, then, a secondary executive official of the same firm’s executive.<sup>6</sup>

Nevertheless, during that lapse of time. I had already become among our nation’s leading economic forecasters, in the middle to late 1950s, and since, now, about now sixty years ago, and still presently. My rise to first-rate status in actual achievements in forecasting, had initially spanned an interval of time, from the time of my 1968-1971 forecast of the profound, coming crisis of the U.S. economy, whose result has been, since, a continuing, downward trend in the

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6. In fact, this experience had provided me with a solidly successful position in professional economic performance: which had been continued until I had inadvertently crossed swords with the FBI. As was more or less a custom for such encounters, the FBI’s wrath produced a divorce from my enraged first wife, a divorce, thus, arranged by an “old family friend,” who had assured her, most emphatically, that all of this had nothing to do with the FBI as such. Nevertheless, during the meantime, I had already become our nation’s most successful economic forecaster, that beginning the timely outcome of my widely publicized, timely forecast of the probable crisis of the U.S. financial system for within the interval of 1968-71: just in time for the major crisis of 1971-1972. My part in that forecast event had then been prominently featured internationally, in conjunction with a famous defeat of the British spokesman whom I had defeated in a celebrated international conference, held at Queens College, New York City. Nevertheless, during the meantime, I had already become, in fact, among our nation’s successful forecasters, from during the middle to late 1950s, already, now sixty years ago, and still presently. My rise to first-rate status on this account, now sixty years ago, had initially spanned an interval of lapsed time, from my 1968-71 forecast of the profound, coming crisis of the U.S. economy which since, then, has been a continuing, downward physical-economic trend in physical aspects of the U.S. economy, an economic trend which has been, since then, continued to the present date, where it hangs at the brink of a threatened “bail-in” collapse for the trans-Atlantic system.

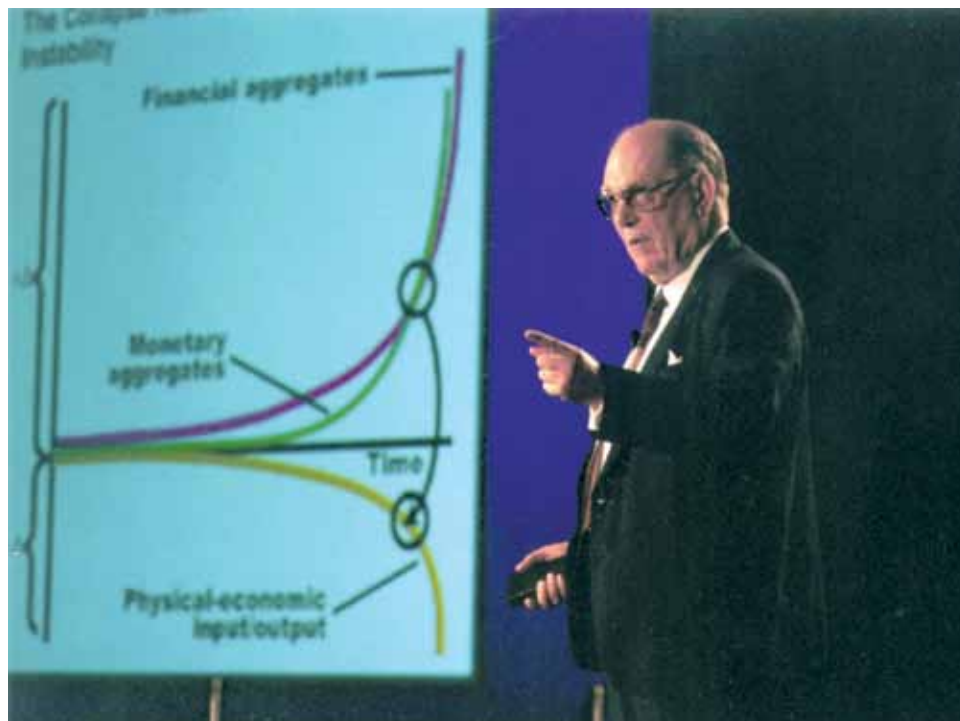


physical aspects of the U.S. economy, an economy which has continued to plummet since then, up through the present date at the brink of a general “bail-in” collapse of the trans-Atlantic region of the planet.

I attribute my success as traceable, originally, to the impact on me of such as, most notably, originally, that of such as the Gottfried Leibniz, who had been the inspiration for the Eighteenth-century American Revolution, especially under the role of Benjamin Franklin, and the founding of modern economic science as such, by the memory of the British-assassinated, Major-General Alexander Hamilton’s systemic perfection of his design for the four founding principles of the U.S. economy, principles which remain as the only actually competent founding principles of a science of physical economy throughout the entirety of the world of today.

The truth of that success of Hamilton’s special genius, has lain within the bounds of the actual distinction of the human species, its distinction as superior to all otherwise presently known expressions of life, as, also, not so incidentally, tied to the greatest chemist of modern life, Russia’s greatest modern scientist, Vladimir Ivanovich Vernadsky: the superb scientific genius who had actually discovered the distinctive principle of human life with such remarkable precision, and insight into the meaning of that life within, explicitly, the presently known bounds of the Solar system.<sup>7</sup>

7. The case of the systemic achievements of V.I. Vernadsky is the subject of the concluding chapter of this report.



EIRNS

*LaRouche attributes his success as an economic forecaster to the impact on him of, among others, Gottfried Leibniz, “the inspiration for the American Revolution, especially under the role of Benjamin Franklin,” and Alexander Hamilton’s American System economics. LaRouche is pictured here with this famous “Triple Curve Function,” 2003.*

## I. The Roots of Modern Science As Such

Presently, I continue to trace the actual foundations of modern science back to what is named as “The Golden Renaissance,” since no later than the Fourteenth Century. This had been a most profoundly revolutionary turn, upward, into all achievements of modern history, and has been the sources of the actual quality of human mental modern progress typified, by that origin, as by the leading contributions, precisely, in turn, for principle, in the already cited threefold succession of Filippo Brunelleschi (*the physical principle of the ontological minimum*); Cardinal Nicholas of Cusa (*the physical principle of the ontological maximum*); and, then, Johannes Kepler, the principal follower of Nicholas of Cusa, thereafter, and of the originally modern discovery of the categorical concept of the existence of the Solar system, as such, by Johannes Kepler.

The triad of the work of those three founders of the original modern European civilization, were coherently related, as founders of all competent modern science.

They had laid the foundations for the subsequent genius of such later, exemplary modern geniuses, as Gottfried Leibniz, Carl F. Gauss, Bernhard Riemann, Max Planck, and Albert Einstein. However, from that point in time, on, as during the same time as the work of Planck and Einstein, and times beyond since today, the notion of the very meaning of even the mere name of science, had since been first polluted, and then virtually destroyed: that done, most notably, by those two figures who became prominent for their own specific crimes against science and humanity, alike, since the dates of the period beginning the year A.D. 1900: these were the dates of the foolish figure of David Hilbert in Paris, and, a short time later, Hilbert's frankly Satanic follower, Bertrand Russell.

The common feature of the dogma of both of these latter two cases of Twentieth-century corruption, Hilbert and Russell, had produced a presently continued, generally accelerating, degeneration of the practices of both science and economy, a pollution with the after-effects reaching (formally) from the onset of the Twentieth Century, to the now increasingly threatened general cultural and economic collapse of trans-Atlantic social culture, presently. This has been, a decline which has strictly dominated the United States of America, in particular, since the deaths of, respectively, U.S. Presidents Franklin Delano Roosevelt, and President Roosevelt's implicit echoes, President John F. Kennedy and his brother Robert.<sup>8</sup>

Since the assassinations of President John F. Kennedy and his brother Robert,<sup>9</sup> the economy of the trans-Atlantic region of the planet, has been careening in an, overall, generally downward direction, a continuing process to be located, more narrowly, in the 1968-1971

turnabout into a generally downward, now continuing physical collapse of the immediately trans-Atlantic economies, *per capita*. All allegedly subsequent, actually net economic growth of the United States has fallen, in net effect, as a presently accelerating rate of downward-turning, and still accelerating downward, physical-economic trend, since that time, up to the present date, and, still being extended, prospectively, into the immediate future beyond. This has been, and presently remains a condition immediately threatening a prevalently accelerating collapse-rate of the U.S. economy, which has been accelerated, economically and morally, alike, at increasing speeds of collapse since the succession of the "Junior Bush"-Dick Cheney Administration, and Obama's willful collapsing of the U.S. human economy, all done under an actually British imperial dictatorship over the United States, and our plunging Presidencies, our Congress in the main, all that plunging downward, at accelerating rates, most emphatically, since the close of the William Clinton Presidency, through to this present moment.

### ***The Continuing Downward Trend in U.S. Society***

How far beyond will this downward plunge now go?

That will depend upon the arrival of appropriate measures for any possible recovery of the trans-Atlantic economy. That means, in turn: that, at this moment, the probable survival of both peace and the U.S.A. alike, depends on the urgently required, immediate expulsion, for much urgently justified cause, of President Barack Obama. Although the U.S. Presidency, must, nonetheless keep Obama safely alive, even if in the prison which he deserves for his crimes, the security of the United States, and avoidance of thermonuclear warfare, requires that he had been placed, safely, out of the harm's way of both the U.S. Presidency, and that the U.S. citizens of the present and future, would never make the present kind of the same mistake, or its likeness, ever again.

I have recently set forth, in earlier publications, the most indispensable of those U.S. political-economic reforms, which, in particular, should be sufficient to bring about a sudden and intrinsically successful, reversal of the presently downward-plunging economies of both the Americas and of western and central Europe. These would be, specifically, the principles of economy of the great American geniuses in economics such as Benja-

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8. The period of transition, into the modern crisis of the Twentieth though the Twenty-first centuries, so far, had actually occurred during the last decade of the Nineteenth Century. It had been the British Royal Family's ouster of Germany's Chancellor Otto von Bismarck, soon followed by the assassination of France's President Carnot, which had been the opening of the transition to a permanent state of global warfare (with temporary vacations) from the ouster of Bismarck, through to the present state of thermonuclearly threatened world-wide thermonuclear warfare.

9. And, also, implicitly, the related, attempted assassination of President Ronald Reagan. Most of the assassinations of U.S. Presidents, and similar notables, have been effectively identified as having been traced to British Empire operations. Not coincidentally, the victims were usually from among the best Presidents, or Presidential candidates, as I have pointed out crucially significant cases of such coincidences. I have compiled a relevant review of the entire roster of our Presidents, heretofore, with relevant evidence as to correlatives.

min Franklin, General Alexander Hamilton, and such specific followers of Hamilton as the Presidents Abraham Lincoln, William McKinley, Franklin D. Roosevelt, and John F. Kennedy, but, also, including, actually useful, recent Presidents of good intentions and skills in their own persons, such as, recently, Republican Ronald Reagan and Democrat William Clinton (no Bushes included). Since then, there has been a worsening of the recently worse-than-useless Presidencies. The actual (i.e. net physical) economy of the United States, since the assassination of President John F. Kennedy, has been driven in a net downward trend-line motion, in fact, since the beginning of the 1970s.<sup>10</sup>

All of the habituated trends in U.S. policy-directions have been, overall, disasters not to be perpetuated; they have all been cardinal disasters for the United States, and, above all, for our population at large.

### ***Our National Intellectual Sickness***

The downward trend of the physical economy, *per capita*, is to be measured, essentially, not in money, but presently accelerating degrees of collapse in physical economy, together with the deterioration of intellectual capabilities, and of the physical conditions of life and culture of the population generally. These have been, generally, downwards intellectually, and with respect to public health, with each succeeding new generation of predominantly incompetent, addictions-ridden adolescents and younger ages, alike, presently.

For example, the promotion of the spread of a mind-busting national drug-recreation-habit and, unfortunately, correlated intrinsically fraudulent cures, alike, has driven the present youthful and middle-aged population, down from the quality of a leading skilled work-force of the world, as in the time of President John F. Kennedy and Kennedy's most admirably productive contemporaries in our nation's leadership, into a relatively tiny minority portion of the post-adolescent and older, potentially useful work-force; but, worse, to a relatively incompetent, and pitiable unstable, relatively tiny fraction of the adult population as a whole. The fostering of the use of narcotic and related substances, and



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*The worse-than-useless, vastly influential, and abominably super-wealthy, coexist alongside a weak-brained, ill-fed, utterly confused so-called "labor force," without significant skills, and rapidly vanishing options for continuing even mere subsistence.*

personal social practices designed for comparable effects, has produced the effect of a labor-force, chiefly without actually productive skills, or even a meager level of economic and social competence. The abundantly worse-than-useless, vastly excessively influential, and abominably super-wealthy, seem to present us with a weak-brained, ill-fed, utterly confused so-called "labor force," mainly without significant skills, and also rapidly vanishing options for continuing even mere subsistence, all the while the greatest Wall Street hyperinflation in all modern history, crushes the remaining mass of the population under the weight of the unpayable debt of those who are the merely financially rich, but the worst than useless for the needs of mankind presently.

A sweeping correction of those ills accumulated during and since the war which John F. Kennedy and General Douglas MacArthur had forbidden, is urgently needed, as an immediate reform, if our nation is to survive at all. In brief, Europe generally, and the Americas, too, have fallen into the same trap of evil, a cult of Zeus-Satan worship, exemplified presently by that quasi-global, British imperial monarchy, which has been modelled upon the proximate precedent of the, frankly, inherently Satanic Roman Empire.

The predators of trans-Atlantic region, are worse than useless speculators, sucking, intellectually and financially, on the proceeds of Wall Street and those related monetarist speculations, which have dominated

10. The recently notable exceptions have been, most notably, President Ronald Reagan (of SDI fame) and peacemaker President William Clinton.

and looted the economies of the trans-Atlantic economy, that done ever-more vividly, as a presently downward-accelerating trend, since the onset of the term of office of President Richard Nixon: the falsely, merely apparent (if only to the duped), net gains have always been merely nominal; the far more important, physical trends, have always been downward, if in more or less degree, during the passage of lapsed time since the close of the U.S.A.'s 1960s.

### ***Why the U.S. Economy Has Plunged Downward***

All progress by living processes, has been, and remains, premised upon the intrinsically needed rise in the interrelated sets of productive capabilities of mixed groups of living species, the human species, far above all. Progress on this account, is always expressed as in net effect, an upwardly evolutionary process of human cultural development into higher relative levels of per-capita energy-flux densities (as measurable in terms of reference to human chemistries/energy-flux densities of per capita, productive practice), excepting for exceptional, planetary catastrophes. The only exception to that requirement, is the human species, which increases its role among living species only voluntarily, rather than by simply biological interactions among species of plant, animal, etc., or, as by interactions among the set.

Only the human will is an exception to the rule, that all animal species otherwise, each, animal or vegetable, progress merely as a species, and that, implicitly only temporarily, except by a humanly determined influence on them: as V.I. Vernadsky has produced the evidence for this view of the relations respectively distinguishing the human species' upward self-evolution absolutely superior to both inferior living species, and to those human populations which resist their indispensably upward accelerating, physical-economical progress per-capita, upon which the continued existence of the human species itself, ultimately depends. This gain is a feature of the demonstration of the exceptional case of mankind: mankind as embodying the living processes of the uniquely human creative actions, which distinguish the human species, from all other living species otherwise known to us.

This power of the human will, depends upon a biologically evolutionary process, one which is integrally not only bio-chemical but willful. The specificity of the uniquely human property of the noëtic will is the ability and determination to continue to rise to ever higher de-

velopments achieved, in the fruitful realization of upward progress by means of ever-higher per-capita energy-flux densities of useful action, which is the most essential distinction of the human species' successful abilities, against all supposed animal alternative forms of life. Precisely that, is the most essential expression of the human will, known, essentially, as expressed, historically by the voluntary employment of the necessary use of fire as the "fuel" of the human species' willfully voluntary rise to ever higher orders of usefully expressed increases of the relative energy-flux density of the efficiently per-capita powers of the membership of the human species.

### ***Man's Enemies: Zeus, Satan & the British Empire***

The measure of that humanly voluntary increase of the energy-flux density of the human will, per capita and per unit of energy-flux density, is expressed in the notion of the famous *Promethean Principle*, as opposed to the currently "Green," Satanic-Zeusian principle embodied in both the myths of worship of the oligarchical pestilences known, interchangeably as the wicked systems of tyranny such as what has been known recently, as both the Roman and British empires.<sup>11</sup>

The presently clearest, and, also, exemplary, scientific account of the distinctions to be considered on this account, is located for chemistry by the physical development of a rate of increase of power of the human biologically, done through rises which correspond, in fair description for our purposes here: to the process of man's rising power of the role of chemistry, as measurable, in effect, in higher degrees of the power of the human species' unique option for the practicing of successively higher ranges of living chemistry.

### ***For Example: The Meaning of Modern Chemistry***

Beginning with the Nineteenth-century process which had led into the Nineteenth Century's concluding decisions respecting the effects orderable in the mode which became known as physical chemistry, such as that of the famous Periodic Table. This occurred during the

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11. I.e., the "oligarchical principle" of the Zeus-Satan cultural formations. Rather than, for example, the Christian Apostolic Principle, which was always intrinsically Promethean when properly informed as to effect and intention: a dedication to the future mission of mankind's development through the uniquely noëtic powers specific to the human species, against the intrinsically Satanic, "green" ideologies.



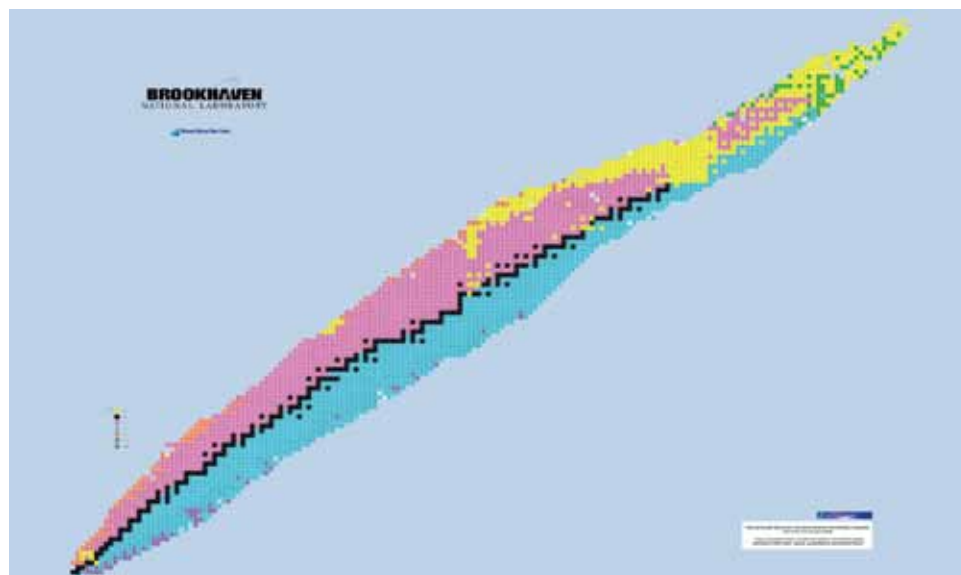
course of the Twentieth Century, when the “original Periodic Table” came to be recognized as an evolutionary process within the original framework of the Periodic Table, with the demonstrably evolutionary contributions to insight into a mankind-driven increase in the range of the so-called “elements” of the original conception of the periodic table as such, as shown by the study of the evolution into higher, synthetic powers of upward evolution, largely (for us presently) through elementarities beyond the original notions of radioactive chemistry: the higher energy-flux densities of the new chemistries produced within the range of the Twentieth Century and beyond, have been, and will be even far more advanced in adducible energy-flux ranges in densities of energy-flux densities, implicitly, at least potentially, than the indicated point-by-point potential of our Sun itself.

On this account, truly competent modern science, contrary to the pro-Satanic, “Green” dogma, has provided those who care, with appropriate insights into the implications of the work of the greatest modern exponent of human life as such, in the implications of the achievements of the most important modern scientist of life this far, V.I. Vernadsky. Today, the fact is, that mankind has achieved the demonstrable design, as this had been done by mankind ourselves, which reaches beyond the range of the energy-flux density of the expressed power of energy-flux densities, if only in detail, higher than those of the Sun as a whole, presently. That signifies, that mankind’s present potential has reached, already, experimentally,

FIGURE 1  
‘Original’ Periodic Table of Elements

1	1 H																	2 He						
2	3 Li	4 Be																	5 B	6 C	7 N	8 O	9 F	10 Ne
3	11 Na	12 Mg																	13 Al	14 Si	15 P	16 S	17 Cl	18 Ar
4	19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr						
5	37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe						
6	55 Cs	56 Ba		72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn						
7	87 Fr	88 Ra		104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Uut	114 Fl	115 Uup	116 Lv	117 Uus	118 Uuo						
Lanthanides			57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu							
Actinides			89 Ac	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr							

FIGURE 2  
‘New’ Periodic Table: Nuclides



inherently energy-flux densities beyond any otherwise presently known means within the known bounds of Johannes Kepler’s uniquely effective discovery of the principled existence of the Solar system as such.

The consequent fact is, that the noëtic powers of the human mind will almost certainly come to exceed (implicitly) those known abilities of the Sun which are implicitly inferior to the implicitly promised, higher order of constructs and products of the practice of the human mind.



**Mind:** thus now signifies, that the powers of the human mind's continued, upward development in power of practice, pertain to an inherent characteristic of the human mind, as such, rather than the mere functions of the human brain as such. This distinction, which lies beyond the reach of all presently known experiences of mere human sense-perception, reflects a kind of power which excludes any merely animal life *per se*. It is a power which reaches far beyond the powers of human sense-perception, such that only man's progressively advancing process of creation of this effect, enables mankind to efficiently recognize those powers in the universe whose distinction is, that they exceed, implicitly, and also entirely, the bounds of relatively miserable, original human experiences of mere sense-perception.

On that just-stated account, the particular case of the work of Vladimir I. Vernadsky, time itself is inferior to the specific talent of human creativity. This was the emphasis which he had reached in the course of the evidence of his work: man, thus, must create himself, upwardly going, in a direction of developments intending to seek endlessly ultimate relative perfection in the goals of human creative progress itself within that Solar space originally discovered by Johannes Kepler, and beyond. Thus, merely biology, as it had been customarily defined even among most merely technical scientists of our present time, had been a power qualitatively inferior to the characteristics specific to the actual potentials of the human mind, as the great scientists arisen from the Nineteenth and Twentieth centuries had done. Science in its right name and true nature, exists only beyond the wretched limits of merely human sense-perception: it lies in the effects which are to be recognized as beyond the reach of merely sense-perception as such, and beyond "whoever might have gone before us."

So, in such a circumstance, Eratosthenes' discovery of the magnitude of the Earth, was a relatively early kind of a masterful type of true knowledge, reaching beyond the meager means of mere human sense-perception, as a true science, gained from the observation of the true object of the image which the Sun of the Solar system casts upon Earth. It was an image, to be seen in the mirror defined for this purpose, as the footprint of the Sun which represents a truth beyond the pitifully silly presumptions of merely human sense-perception *per se*.

With that measure, which had reached to levels far

superior to Archimedes's merely reductionist's abilities, mankind, is actually knowledgeable in a quality and degree, far beyond the reach of mere sense-perception: the principle of knowledge, had always departed the illusion of mere human sense-perception, into coming to actually know the Earth as far beyond the mere human personal sense-perception. Mankind continues to view the events on Earth as ontologically from far above mere sense-perception, as such. This must be done, now, from the minimax principle of Johannes Kepler's discovery of the Solar system, into the Galaxy and states of entities far above that, wherein the ever new truths about man, are now waiting to be discovered.

Such is the basis for the continuing development of mankind's knowledge of science into regions of knowledge far superior to mere human sense-perception as such: beyond all of the silly notions of mere sense-certainty *per se*.

Such, immediately above here, leads our attention into the more urgent considerations which I will now outline for you, below, as follows:

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## II. The Crucial Role of V.I. Vernadsky

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In the meantime, during the still-living achievements of Russia's Vladimir Ivanovich Vernadsky,<sup>12</sup> the greatest scientific discoveries of universal principle have, so far, only been touched, while being, already, presently, the most crucial knowledge of physical science yet to be discovered: knowledge which relatively immediately, awaits us, but still unattended by most of even the seemingly best-informed human scientific minds.

In brief, V.I. Vernadsky was the original discoverer of the most important principle presently available to only the very best among modern physical science. There is no proper justification for tolerating the all-too prevalent, backward view of the current state of science-topical affairs. The subject which I now introduce immediately, does have, conveniently, certain characteristic appearances of a preliminary nature, which are qualified to prompt preliminary insights into the territory on which I am reporting here.

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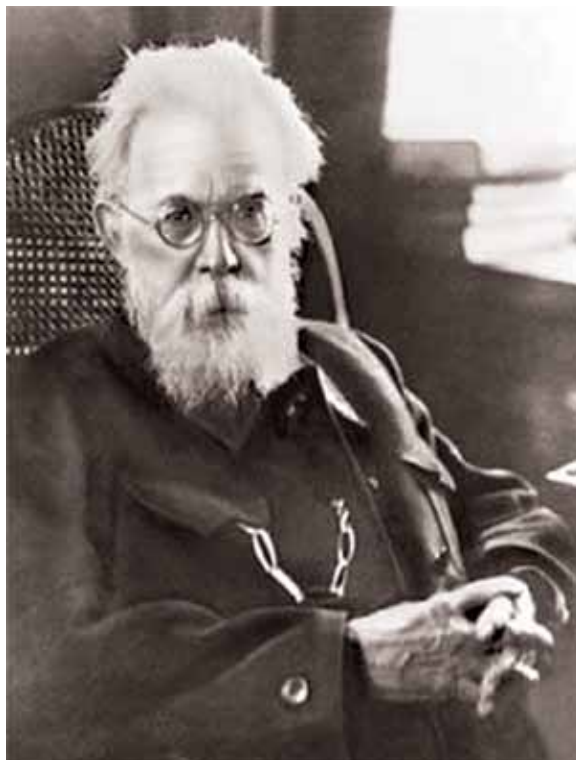
12. Aka: V.I. Vernadsky.

On this specific account, it would be incompetence, for me to neglect taking into account my own knowledge respecting the distinction between the Soviet Union as a reflection of the scientific and artistic culture of Russia prior to the Bolshevik Revolution, and the complexities inherent in the evolutionary social process of the Soviet Union's infiltration by, chiefly elements recruited, such as the British dupe, A.I. Oparin, into the process, by the corruption of British intelligence operations linked to the inherently Satanic Bertrand Russell, as that is now to be considered with respect to the conditions since the influence of the initially British establishment of the installation of the Adolf Hitler regime. Consider this matter, in the following terms:

### ***The Franklin D. Roosevelt Factor Cuts In***

It is commonly said among decent people, that President Franklin D. Roosevelt was a true genius, whose passion had done wonders, the like of which, no other person of the Twentieth Century had matched. Indeed, much of the "secret" of President Franklin Roosevelt's works of true genius, was manifest only after his recovery-inspired inspiration, as expressed as his miraculous upward surge of his intellectual creativity had, itself, lived long enough to inspire, also, such as the John F. Kennedy inspired by widow Eleanor Roosevelt, and John's own brother, Robert. V.I. Vernadsky would have implicitly agreed with such an outlook, and that is not merely as an adornment.

Such considerations engage a profound principle of our universe (at least for as much as scientists generally know as both the Solar system and defeating the hazards of the journeys through the tracks of the Galaxy which contains it). V.I. Vernadsky's virtually miraculous mind, touches upon such higher ranges of matters located within particularly important celestial pro-



*"V.I. Vernadsky's fundamental discoveries in physical science live in the very foundations of the actual meaning of the human mind."*

cesses. Such is the human mind's potential, which actually dwells within that domain, which we are, currently, usually left more to admire than to manage; but, notwithstanding all commonplaces, V.I. Vernadsky has been the greatest well-known scientist in respect to his actually accomplished and still living achievements, this far. If you think differently, it is clear than you must have missed the most important, presently knowable, scientific facts.

This is not merely justified praise of his accomplishments; there is a much more profound issue to be considered, and that very seriously, all for pressing practical reasons, on this account.

Against the background of the immediately preceding paragraphs, above, there is a second general observation, which complements a related, also crucially important, subject matter, a matter on which V.I. Vernadsky's fundamental discoveries in physical science, live in the very foundations of the actual meaning of the human mind. I identify that point as a first consideration, as a key point for this part of the report.

Summarily: the central achievement of the great scientist called Vladimir Ivanovich Vernadsky's principles of universal scientific practice, can be located in his demand for the discarding of the claims to the meager existence of the notion of an independent principle of *time per se*. The creative powers of mankind, rather than time as such, are the essential metric of mankind's achievement of knowledge of the universe: the truly fundamental scientific principle of practice is that of the actual "clock to be kept," the imagined clock of the ontologically willfully anti-entropic progress of the human species, as opposed to belief in objects floating within the opinions of those less articulate scientists who define themselves, foolishly, as being located within a merely imagined physical space and time. In fact, the most essential parameters, so employed, are,

relatively speaking, one very big “boo-boo,” that of overlooking of essential and otherwise well known, factual evidence: there is much too much reliance on the intellectual quicksands of belief in mere sense-perception *per se*.

Consider the merely apparent controversy which my own immediate remarks here might, mistakenly, presume, as if, out of the scientific ignorance expressed as believing in a physical space-time premised upon a merely notional principle of the functions of merely *space-time matter*. They may admire the idea of science, as that may be properly said: but, actually, they have the principles of that which are only ostensibly scientific: which is to say belief in reality “bass-ackwards.” Rather, as V.I. Vernadsky stated his point with both the utmost clarity and scientific truth, as well: it is mankind’s own existence, as V.I. Vernadsky also argues, which actually measures the superior, if seemingly only some more powerful shadow-like attributes of mankind’s actually determining existence of a really living, uniquely human species: as a force within not only the future history of mankind, but a reflection of the true law of the universe, from the top, down, not the bottom-up.

Man may be imperfectly educated, if otherwise skilled; but, the imperfectly practicing professional scientists, tend toward what should be an obviously mistaken presumption of their belief in falsely premised, essentially crucial omissions of regard for the essentially inclusive, most crucial, actually experimental facts in available evidence. There are several crucial, higher categories involved: which we must take into account as interlocking categories of the systemically erroneous, but also commonplace, ontological presumptions.

The essential blunder, which even almost every scientifically respectable professional, usually, makes, up to recently known date, is the plausible, but, more correctly named also stupid presumption, that mankind’s existence is, *a-priori*: which is to claim that man is situated within the context of the mere reductionist’s silly notion of physical space-time. Admittedly, the false presumption, in other words, is the presumption that life, as such, is, itself, a product of the reductionist’s imagined notion of an axiomatically, mathematical-physical space-time: a belief, or merely a set of presumptions, which is to be counted, essentially, as just another kind of example of the malicious idiocies of the Twentieth Century’s foolish David Hilbert, and, of the

relatively contemporary, and frankly Satanic, Bertrand Russell, and the latter’s like.<sup>13</sup>

The origin of the commonplace fallacy which I treat here, is best attributed to the adoption of a certain blinded faith, to the effect, of an axiomatic presumption of the essentially mythical blind faith in a presumed functional quality of “elementarity” attributed to human sense-perception *per se*: *a delusion which had been already discredited by the importantly discovered principle of Eratosthenes’ measurement of the Earth. It is the delusion of belief in a sense-perceptual phenomenon of human sense-perception, as lying within the domain of sense-perception of an object within the atmosphere of Earth, as compared to the transit of the cycle of the observation of the position of the Sun lying outside the imagined atmosphere of human sense-perception.*

It is, as a matter of principle, that, the experience of the humanly attributed rotation and displacement of the relative position of the Sun, were an ironical matter, respecting an irony essentially unknown until the triad of the combined notions of the minimum principle of Filippo Brunelleschi, the maximum of Nicholas of Cusa (without elementary linear characteristics) and the third, essential part of the essential conception: the principle expressed in Johannes Kepler’s discovery of the inherent principle of motion within the identity of the Solar system, which exists only without, rather than merely within.

This is to be compared with the viciously reductionist error inherent in the presumptions of the otherwise very clever and energetic Archimedes. It is, ultimately, the universe itself, which is actually elementary as a process: just as life *per se* can not be the product of a reductionist phenomenon. In fact, it is a true universal principle of the universe, that the particular phenomenon can only be a fruit of the relatively encompassing universality, as Carl F. Gauss carefully avoided telling what he had known in the circumstances posed (indirectly to him) by young Bolyai, and the latter’s own

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13. This is, by no means, even a slight exaggeration. It is largely a folly to be blamed on the conditioning of students in their classrooms, or related circumstances, which prompts them to rely on taught-down teachings of the classrooms and related circumstances. Their teachers, textbooks, classrooms, popular opinions, and so on have taught them down into swallowing it, as prevalently acceptable presumptions in the mode of commonplace matters of mere opinion, whether gained from passing quips of the classroom, or similarly reckless modes of defining of so-called, merely popular opinion.

father.<sup>14</sup> The time was not ripe for him to say certain things he knew very well; he had wisely, and certainly implicitly, trusted the future accomplishments of his brilliant protégé, Bernhard Riemann, then, on the occasion, presenting a great work, Riemann's historic Habilitation Dissertation, presented in the honoring of his great mentor, Carl F. Gauss.

### ***Discussion:***

What had struck my attention, on this account, had been, that since the British empire had used the death of President Franklin D. Roosevelt as the opportunity to continue World War II under a commitment to a nuclear conflict with the Soviet Union, and a reign of terror inside the U.S.A. itself, all under the virtually terrorist reign of the foolish Harry S Truman: which had left the Soviet Union itself with an internal division of notability, between those who adhered to their connections with the British Empire, as Bertrand Russell's worse-than-Nazi trained, intellectual dupe, the typical reductionist of Russell pedigree, such as A.I. Oparin, versus the actually scientific cultural outlook of V.I. Vernadsky, who has been, since his death in 1945, a crucial, available instrument of modern science for the fostering of the rescue of the world from the nightmares which the British Empire's Bertrand Russell had foisted as an evil, upon a post-President Franklin Roosevelt's heritage, up through the times of a number of the presently ongoing, Federal incumbencies since the administration of President Franklin Roosevelt, in particular.

The crucial fact, respecting U.S. laws' insolent evasions of the U.S. Federal Constitution, has been the increasing rate of a general lack of actual principle, by the great majority of former Presidents of the United States: a majority which had made way for the production of particular laws which were, then, and are, now, inherently violations of the underlying intention of principle for the Federal Constitution. Treasury Secretary Alexander Hamilton was assassinated, by the British Empire's agent, Aaron Burr, to protect the corruption of the U.S. Constitution, in the name of "States Rights," the

"States Rights" fraud against the U.S. Constitution, supported by some Presidents such as, early on, John Adams, Thomas Jefferson, and James Madison. U.S. Presidents Monroe and John Quincy Adams, had restored the United States to its Constitutional intention, in repudiating the errors of Adams, Jefferson, and Madison.

The professional British assassin, Aaron Burr, had financed the British imposition of the introduction of the British interest against the United States, executed by the criminal figures of Andrew Jackson and Martin Van Buren; and, there was no effective President from that time, until the President Abraham Lincoln, whose leadership had saved the United States.

Naturally the British empire, personally, had organized, from operations launched in Canada, the assassination of President Abraham Lincoln and other British targets in the U.S. during the same time.

These historical facts, respecting the United States' government and its history, bear essentially on nations such as Russia today, still, because the United States, which had been created to serve as an instrument for spreading human freedom throughout the world, had been so often turned by the British empire and its Wall Street money-maker elements, into either a simply powerless U.S. national leadership, or an utterly corrupted one, by the influence of the British imperial interests globally. Vernadsky's contributions to all humanity's benefit, were in the process of being realized through the role of President Franklin Roosevelt, during the relevant moment of world history; the death of that President followed, who would have, otherwise, saved the planet from the prospect of new world wars, which has ensued since, through the British Empire's control over the U.S. Government, through the accession of the inherently disgusting, puppet of Winston Churchill, and, more significantly, the truly Satanic figure of pure evil, world-war-maker and mass murderer otherwise, Bertrand Russell.

Consider thus, the submission of Presidents to the powers of the British agents known collectively as Wall Street; the root of these evils has been the lack of an actual notion of physical principle, a deficiency which was made way for, by the British-like substitution of merely current shifts in proximate opinion as an unprincipled notion of matters bearing on Constitutional law: beginning with the case of the intentional fraud against the Federal Constitution known as "States Rights," and the international implications of using a "States Rights"

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14. See: C.F. Gauss to F. Bolyai, from Göttingen: June 3, 1832: the work of the great mind of Gauss himself, presented to ease the tension expressed by Farkas Bolyai, the father, respecting the subject presented by the son, Janos Bolyai. Carl Friedrich Gauss: **"Der Fürst der Mathematikers" in Briefen und Gesprächen.** Kurt R. Biermann, Verlag C.H. Beck, Munich, 1990. An interesting posture by Gauss, in dealing with the passions of the father and son respecting the inherent evil of Euclidean geometry.

basis, as was done in the State of Virginia, against the actual intention of the Federal Constitution, as was done by such Presidents as John Adams, Thomas Jefferson, and James Madison: the “loophole in the Federal Constitution” through which herds of British elephants might have marched (and often did) without effective obstruction: a mere confederation of states, intentionally circumventing the Federal Constitution, as Adams, Jefferson, and Madison, had done, as had Jefferson in abandoning his office under President George Washington—while professional British assassins such as Aaron Burr could have created the evil, openly and explicitly, which would become the skunks Andrew Jackson and Martin Van Buren. Profiting against the United States, is a practice which leans toward treason against the most precious principles of our Republic.<sup>15</sup>

The very meaning of United States of America, under the design of its Federal Constitution, had been that the states are subjects of the Constitution of the United States, and are obliged to conduct their foreign trade accordingly. Hamilton’s assassination, as the greatest economist of the original United States, since the death of Benjamin Franklin, has been, as Treasurer, and also a Major-General, the leading representative of the design for the U.S. economy, who had created the world’s greatest economic-policy design in world history so far, was assassinated by the British imperial interest. The great evil to be destroyed, on this account, still today, is the failure to recognize that the mere money of any actually sovereign nation has no intrinsic value, other than the trade in physical values within itself, or in uniquely physically actual traffic among others.<sup>16</sup> Only such precautions can assure the actual

sovereignty of any individual national republic, if it expresses, more or less perfectly, its truly efficient sovereignty, free from submission to foreign powers and their agencies. In short, Wall Street, and its like, must neatly and summarily, be put out of existence, for reason of the continuing, systemic existential fraud.<sup>17</sup>

The relevant implication for that argument by me in this present report, is that the wisdom of nations, in

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*The very meaning of United States of America, under the design of its Federal Constitution, had been that the states are subjects of the Constitution of the United States, and are obliged to conduct their foreign trade accordingly.*

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practice, can only be expressed globally in one of two ways: either agreements in human economic policies echoing the original American settlements on behalf of freedom for all peoples, but, that including such essentially historical predecessors as the great Renaissance’s Brunelleschi, Cardinal Nicholas of Cusa, and their essential representative Johannes Kepler, with his unique discovery of the Solar system and its underlying scientific principle. However, the contemporary realization of that intention depends presently, upon a very specific role of the greatest scientist, in effect, who has been, so far, V.I. Vernadsky’s discovery of the living meaning of the human species in both past, and present universal history.

### ***The Very Crucial Implications: The Options***

The crucial importance of Russia at this moment, lies in the implications of the continuation of the relatively unique scientific legacy of V.I. Vernadsky, for both Russians and large sectors from among the Ukrainians: the true, presently living spirit of national unity of elements of Russo-Ukrainian culture when considered in its history as representing a basis for a Eurasian unity in economic and related practice. The best hope

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15. Notably, money as such has no honorable principle. It is merely a means of exchange, honorable only as a charge against the sovereign nation-state which has uttered its currency; that is key for understanding what has corrupted our United States’ Government increasingly, as with the inherent corruption of substituting money-as-such for the same physical principles of progress which inhere in the practices, respecting the use of money, by the four fundamental rules of Treasury Secretary Alexander Hamilton, on which the foundations of the economy of the republic of the United States had depended. Anything contrary to that principle, is and would be a fraud against the principle on which the United States was created. All true economic value is intrinsically physical, not monetary, as Treasury Secretary Alexander Hamilton had defined the relevant notion of national currency used as a means for exchange, within the nation, or, in other currencies, by other nations, for physical goods in fact.

16. E.g., value under the standard of V.I. Vernadsky’s principle of intrinsically human value.

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17. This means, as I have stressed earlier, that there must be a transformation of the U.S. national banking system, conducted under the authority of the Secretary of the Treasury, which bans all banking, excepting national banking, by national executive authority of the Treasury *per se*. Federal decrees and related decisions under Federal regulation are to be applied accordingly.



for the planet as a whole, at this juncture, will be, virtually uniquely, a Eurasian alliance of its own, most able, and best with the United States itself. Only consider the implications of the wonderful potential of emphasis on leaps forward in thermonuclear fusion's role in increasing the level of applied energy-flux density to a mankind, still on our planet, but reaching out from Earth to bring a needed, humanly directed development into, initially nearby regions of Solar space, through robotic systems controlled from Earth, but, nonetheless gaining a power within the Solar system itself, which are a source of the power needed to maintain the Sun as viable factor in the protection and development of the Solar system, and of the challenges which accelerated leaps higher, scientifically, within the Solar system, will make feasible for our humble living-space back here, on Earth. For example: NASA restored and amplified for its role as an increasingly potent and effective planetary factor within, and ultimately beyond the mere Solar system itself.

With the termination of institutions such as the pro-Satanic cases of the Roman Empire and the present British empire, the historically imperialist systems of

ancient and present times, must vanish from the practices of the planet, immediately. The careers of the likes of the Zeus and Satan, such as the Roman and British empires, must be brought to submission to a cooperative order among the sovereign republics, who must now triumph over the, actually pro-Satanic, oligarchic imperial tradition, such as the present British Empire. Let the nations choose their independent identities, as President Franklin D. Roosevelt had intended for as long as he had remained alive: the means by which the progressive future of mankind, throughout, and beyond this planet, must now prosper.

However, there are certain particular considerations which must be actively brought into play, to enable the realization of such goals as I have specified, heretofore, in a competent vision of the present and future times, as now follows, here, immediately, next.

### ***Vernadsky's Unique Principle of Mankind***

As I had indicated, in this present report, earlier, the realization of the goals which I have identified here, this far, depends upon an urgent need for systemic revision of the heretofore present notion of the specific practical role of mankind within the Solar system itself, as such. That is to emphasize, that the heretofore accepted notions of mankind's efficient place within both the Solar systemic system, and beyond, must be radically rectified, and that strictly according to the particular standard stipulated by V.I. Vernadsky. Mankind must now be recognized as the supreme power operating within the process of development of mankind's policies of practice respecting relations within and of the Solar system as a whole: that as Vernadsky had strictly emphasized while he had been still living.

We must now recognize, that space and time no longer exist of themselves as reliable notions, nor with actually practical efficiency for mankind; only the role assigned to mankind by our given nature, has useful merit, precisely as V.I. Vernadsky has made that point. Mankind itself, is the only proper determinant of the practical meaning of what is, mistakenly called a basis based upon a mistaken notion of an actual combination of time, space, and matter, presently popularly presumed to be available to humanity's will. The actual basis is only the creative (i.e., noëtic) powers attributable to the individual human mind, expressed through increase of the power of the human species to change

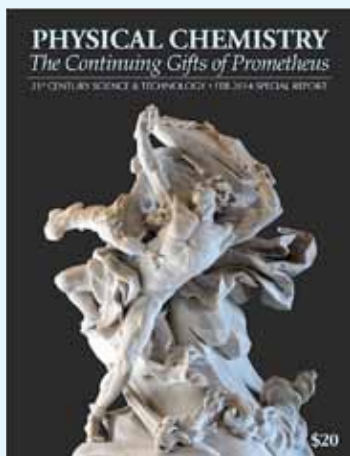
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*“The metric of evolution in the Solar System itself, is not merely life-forms, but, only, as known this far, the self-evolution of the human will unique to the human species’ own principle of a universal chemistry, the increase of the energy-flux density enabling the progressive evolution upward of mankind itself...” Shown: the Milky Way Galaxy.*

the course of development of the life of the human species within (immediately) the Solar system as such: Vernadsky’s most essential expression of the identifiably essential principle of the existence of our human species.

### ***A Universal Principle:***

The metric of evolution in the Solar system itself, is not merely life-forms-in-general; but, only, as known this far, the self-evolution of the human will unique to the human species’ own principle of a universal chemistry, the principled increase of the energy-flux density enabling the progressive evolution upward of mankind itself: the evolution of mankind which prompts the increased power expressed as higher characteristic evolutions upward by the societies of the human species, into constant rises in the power of mankind’s self-existence and effective revolutionary progresses in mankind’s appropriate authority for the evolution of the Solar sys-

temic system as a whole, immediately. My words, in my time, but his (Vernadsky’s) explicitly stated intention.

By wielding the upward evolution of both the preconditions and evolutions of the effective power, per capita, in coordination with a rise in the living human progress to higher potencies of energy-flux densities through the means of what we name as upward-evolving chemistry as mankind’s characteristic abilities, mankind daily resets the clock of the Solar system’s future, as done through the means and requirements for great leaps in the applicable energy-flux density of each nation, each people, and each willing person, whose effective role must be leaps in the power of mankind within the universe, *per capita*. That is the expression of true human nature to be known: which reflects the leading revolutionary achievements of the magnificent poet of human reason, the late V.I. Vernadsky, and of principled scientific will.

# Prince Charles and the City Seek To Save Their System

Special to EIR

May 31—Prince Charles, rapidly becoming the leading spokesman for the Satanic British monarchy, made headlines again this week, when he keynoted the “Inclusive Capitalism Initiative” conference held in the City of London May 27. The conference brought together 200 of the world’s super-wealthy, estimated to control or manage \$30 trillion, 30% of all the financial “wealth” in the world, around the fraudulent theme of making capitalism more socially responsible (“Building Value, Renewing Trust”).

In his speech, the Heir to the Throne demanded that those present use their power to implement “a fundamental transformation of global Capitalism,” by implementing the monarchy’s Green agenda. Charles’s jargon aside, that agenda of “sustainability” means cutting back life-saving production and consumption worldwide, in the name of saving nature. The Royal Society report of 2012, “People and the Planet,” put it most plainly when it concluded that the “problem” with the environment is too much consumption and too many people.

But equally on the minds of the top-level participants, among them, IMF chief Christine Lagarde and Bank of England head Mark Carney, was a more immediate concern, born of a sense of desperation over the bankruptcy of their system, which was reflected in this statement on Inclusive Capitalism’s two-year-old website: “To avoid heavy-handed government interference in the banking sector, a revolution in management, supervision and ethics is required.” Apparently these top financiers are quite aware that the rage of the world’s

population is building against them, and threatening to use effective means, such as the Glass-Steagall Act, to curb their crimes.

To prevent this, the very financiers who have presided over the genocide-through-austerity being imposed throughout the Eurozone and Great Britain, wrung their hands in mock sympathy for the poor and the unemployed, and called for self-policing by the financial community, the same canard pushed by former Federal Reserve Chairman Alan Greenspan all the way into the crash of 2007-08. As if this would fool anyone! What they want to avoid is a new financial regime that would send them to jail.

But watch out. When the monarchy and the world’s leading financiers get together for a political offensive, it’s your life that’s on the line. Their success means genocide for you, and the planet.

## **Charles Takes the Lead**

Charles has had the Green portfolio in the Windsor family for decades. He has railed against modern agriculture as destroying the Earth, and built movements to attack it. He has used his financial resources to pretend to save the rainforests—at the expense of both food and raw materials production. He has patronized the Liverpool Care Pathway (a form of euthanasia implemented in Great Britain which provided incentives for denying foods and fluids to hospice patients) and so-called “alternative” medicine in “The Prince’s Foundation for Integrated Health.” Since 2004, he has specialized in



YouTube

*Prince Charles pushed his genocidal Green agenda to the world's super-wealthy elites, at the City of London's "Inclusive Capitalism Initiative" conference May 27.*

bringing together accountants from major corporations in his "Accounting for Sustainability Project," to get them to devise ways of making money off implementing the Green Agenda.

It was Charles who carried the Queen's message to Copenhagen in 2009, keynoting that conference for genocide, after having pulled together a private meeting at St. James Palace, one of his four castles, in July where he tried to rally a group of elites to spread the word that mankind had only "96 months to save the world."

The Prince's dire prediction of environmental catastrophe in 2017 if his recommendations were not adopted, occurred within a full-blown attack on what he called "consumerism," but what is actually the role of man as co-creator of the planet, through using his mind to master and develop nature for the benefit of future mankind. To enforce those cutbacks in consumption—like Obama, he says it would be a disaster for poor nations to achieve a level of consumption equal to that in the industrialized world—Charles demands the use of financial incentives and disincentives. This means taxing such things as CO<sub>2</sub> emissions and water use, and providing rewards for taking land out of agricultural production, restoring swamps, and putting the preservation of "biodiversity" above development of the planet.

To quote him from July 2009: "We are not the masters of creation . . . like everything else, we are Nature."

Charles, you see, like the generations of fascist eugenicists before him, considers mankind as simply an-

other animal within the "multitude of biodiverse species," and thus demands that "Nature" be given equal rights. Thus his "sustainability" agenda takes direct aim at the actual human qualities on which the survival of the planet (and more) depends—an increase in human intellectual power which leads to man's increased mastery over the universe through an ever-greater application of high energy-flux-density power sources. Thus, the development of thermonuclear fusion power—which would give man mastery of a clean power source that could provide a decent living standard to every human being on Earth, and billions more—is sabotaged, while billions of dollars are spent to encourage reliance on the solar power and windmills.

## The Enforcers

To carry out such a genocidal agenda, the monarchy needs to have its enforcers, and the top financial "luminaries" at the City of London session were obviously intended to follow instructions. The agenda was jam-packed with speakers whose overall topic was to promote an appearance of "social responsibility." Numerous commentators, such as Pam Martens in her "Wall Street on Parade" column, could hardly control themselves in lampooning the sight of the upper one percent of the upper one percent lamenting "capitalism's inequality and lack of inclusion."

Cosponsoring the event with the City, itself an ancient institution of enormous power, was Lynn Forester de Rothschild, the chief executive of E.L. Rothschild. In addition to Charles (who gave the opening address), Lagarde, and Carney, special billing was given to Glass-Steagall-killer Larry Summers, and former President Bill Clinton (Lady de Rothschild raised considerable money for Hillary Clinton's 2008 Presidential campaign, and apparently called back a favor). They were joined by CEOs from the world's top moneymakers and their apologists, such as editors from the *Economist* and the *Financial Times*.

As the reality of the bankruptcy of the City of London/Wall Street system asserts itself, and these very financial giants hysterically scream for new bailouts, especially from the European Central Bank, the Green pabulum from this conference may take a back seat. But such an extraordinary united front of the evil British Empire and high finance is ignored at your peril.

# Steger, Rogers: Eurasia Is Key to Post-Obama Era

by Harley Schlanger

June 2—In the last days before the California primary vote on June 3, LaRouche Democrat Kesha Rogers, a recent U.S. Senate contender from Texas, joined her colleague Michael Steger, in San Francisco, where he is running for the Congressional seat currently held by Nancy Pelosi. Rogers arrived there following the success of her campaign in making the impeachment of President Obama the leading issue in the 2014 mid-term elections.

Although Rogers was defeated by the phony Democrat, Wall Street millionaire David Alameel, who spent over \$5 million of his own money to buy the election, the breadth and depth of support for her campaign in Texas made it quite clear to Democrats nationally that they must either dump Obama, or face the prospect of being swept aside by GOP fascists in November, who would benefit not from any positive program they will offer, but from a large-scale desertion by Democratic voters, enraged and demoralized by the fascist nature of the Obama Presidency.

## **‘New Silk Road’ Presented**

In San Francisco, Rogers and Steger emphasized the other focus of the intervention of LaRouche Democrats in the mid-term elections: the importance of a science-vectored Eurasian development program as the first priority of the post-Obama era. Michael Steger has organized extensively in the diverse ethnic neighborhoods of San Francisco, which include Chinese, Latino, Russian, Vietnamese, and other populations, which are

largely ignored by the hip, liberal, “techie” establishment Democrats who run the city politically. Steger’s discussion of the potential for the U.S. to join Eurasian nations in implementing their program for physical-economic progress, centered on Lyndon and Helga LaRouche’s conception of the “New Silk Road” as scientifically advanced corridors of development, has sparked an excited dialogue in those communities.

This was reflected in the attendance and the discussion at a town meeting May 31, addressed by the two LaRouche Democrats. Rogers pointed to the initiative taken by their campaigns to jointly present solutions to the profound physical-economic crises faced by both Texas and California, driven by the ongoing devastating drought, and made worse by the combined effects of fascist fiscal austerity, and the anti-science “environmentalism” of the Greenies. Their solutions point the way for the U.S., once the British monarchy-controlled puppet, Obama, is removed from office. His removal, combined with rapid reinstatement of Glass-Steagall banking regulation, would wipe out the power of the Wall Street and the City of London financial institutions, which currently control both parties.

The theme Rogers presented at the town meeting is that this is a moment when people make history, by giving up any sense that events are predetermined. Events of the last week, including the vote for her in Texas (see last week’s issue), the victories of anti-European Union parties in the parliamentary elections there, and the breathtaking nature of the agreements signed by



the Russian and Chinese Presidents, have changed history, as they offer an alternative to the collapse of the trans-Atlantic system. Steger built on this theme, by showing the potential embodied in a return to the American system of credit, to fund a broad-based scientific revolution, which offers the U.S. an escape route from the breakdown of the global British Empire, into collaboration with partners in Eurasia.

The repeated emphasis of both candidates, that national interests must be above party, and that a scientific and cultural renaissance is essential, resonated powerfully among those at the town meeting, and has continued to mobilize citizens in the waning days of the campaign.



EIRNS/Mark Samet

*Kesha Rogers joins Michael Steger for a town meeting May 31, on the eve of the California Democratic Primary, in which he is challenging Nancy Pelosi in the 12th Congressional District.*

down the numbers who voted. Instead of joining with Rogers in a series of debates, to engage in a serious discussion to get citizens involved in their future, which would expand the electorate, the Obama-linked Democrats prevented any public debates between Alameel and Rogers, and refused to even acknowledge that Rogers was on the ballot. Rogers' organizers found that a large majority of voters did not even know there was a runoff.

It has become evident that at least some Democrats realize they made a mistake by backing Alameel. With a shady past of connections with Michael Milken-linked hedge funds, and an ethical record which includes covering up sexual harassment in the dental clinics he owned, some

## Will Democrats Get the Message?

Despite Rogers' loss in the Texas runoff, it is her candidacy that has been on the minds of Democrats, both in Texas and nationally. Nearly 3 out of 10 Democrats who voted supported Rogers, whose commitment to impeach Obama was widely known, both from her own efforts, and from Alameel's attacks on Rogers for opposing Obama.

Despite being outspent by more than 50-1, Rogers won 34 counties in the runoff, including two—Jefferson, where the city of Beaumont is located, and Gregg—which represent former strongholds of FDR/JFK Democrats, many of whom became “Reagan Democrats” in 1980. Rogers polled well in some areas dependent on agriculture, and therefore, heavily affected by the drought, such as Lubbock County, where she received 42.9% of the vote, and in several counties dominated by major universities, such as McLennan County (Baylor University), with 42.7%, and Brazos County (Texas A&M), with 38.9%.

The real story, however, was the minuscule voter turnout, as less than 1.5% of registered voters cast ballots in the runoff election. This reflects the deep disaffection toward the Democratic Party, exacerbated by Obama's anti-constitutional, pro-Wall Street policies, as well as the conscious efforts by the Obamacrats to keep

party leaders already distancing the statewide ticket from him. In an e-mail sent out by the Texas Democratic Party days after the runoff, touting “Our Candidates,” Alameel was glaringly absent.

One leading Texas Democrat, known for his sense of humor, summed up Alameel's “victory” as follows: “It took more than \$5 million, and the total effort of the leadership of the Democratic Party in Texas, to get the remaining 140,000 defenders of Obama to the polls on Tuesday.”

As Rogers and Steger campaign in San Francisco, they are driving this message home. Obama is headed out the door, as more and more public attention is focused on the impeachable offenses he has committed. The Republican Party, which has refused to pursue impeachment, in part due to electoral opportunism, in part due to a common “mother”—the imperial financial networks run by Queen Elizabeth—offers no alternative, even though many patriots who are Republicans want Obama out.

Therefore, it is up to key Democrats to respond to the challenge posed by LaRouche and the lead candidates associated with him, Rogers and Steger, and get Obama out, *now*, so as to begin the rebuilding of America, with the orientation to Eurasia. Any other approach will not just destroy the Democratic Party, but the nation, as well.

## ‘We Have Changed History; Now Let’s Finish the Job’

May 29—Kesha Rogers released this statement to her supporters on May 28, at the conclusion of her campaign.

My campaign for the U.S. Senate in Texas has changed history. We built a powerful Gideon’s Army to fight for the future of our nation, one which embraces the identity of a true republic, above party, as our Founding Fathers had intended. Your contributions to this campaign, from all across the state and throughout the nation, will be honored by future generations, which will see in them a true fight in the interest of our nation’s future. I am grateful to all of you for all you have given, and the sacrifices you have made in this fight.

The war to defeat the enemy of mankind does not stop here. Our fight for a renewed republic must go on, in the interest of the future. The victory that was gained by gloating Obama loyalists and pro-Wall Street Democrats on May 27 was a Pyrrhic one, in which their method of victory—suppressing the vote—will haunt them in the future, as voters reject them, for their unwillingness to tackle the real crises facing our nation. There was no substance to it. No inspiration. How can they be trusted to address the real challenge before them: a drought-stricken, food-depleted, financially bankrupt, dying Texas, left without a truly scientific mission to conquer these threats?

Our identity must come from creating the future. Each of us must ask, what is going to be our next step to continue the fight to shape the future? We have

changed the discussion of politics in this nation with what we did in this campaign, laying the truth of the impeachable crimes of Obama and impeachment right at people’s doorsteps, while presenting them with a sound solution, and there were many who chose to respond.

The only way to win wars and gain victory over our nation’s historic enemy, centered today in the City of London, is through strategic thinking—flanking them. Some battles are won and some are lost, but in

the end, the ultimate victory will come from the fight to save mankind from a dying Empire, the intent of which is to destroy the identity of the truly creative human mind, which is capable of mastering and solving any problem which confronts us. Victory over that enemy does not come from a vote! Victory over that enemy is obtained through changing and transforming the population, to a level of understanding their God-given creative potential, to actually take responsibility for being an instrument of the Creator, as we are in the image of the Creator, to be able to continue that process of creation, with mastery over the universe.

A real future for Texas begins with the commitment to a renewed science-driver mission for the nation. That, above anything else, is the means by which we may transform the future.

As economist Lyndon LaRouche warned decades ago, if the Democratic Party turned into an anti-science, anti-growth, environmentalist front for Wall Street, then the party would destroy itself. And that is what it has continued to do.

We must put an end to this destructive policy once and for all, and the fight shall go on. There is still much more to be done. I ask that you continue to join with me in bringing about the true identity of the Democratic Party, making this party the party of Roosevelt and Kennedy, with the mission to advance science and productive economic growth, while crushing the environmentalist agenda. If people see that our focus and strategic thrust is always aimed at creating and shaping the future, then they are going to be more empowered than ever.



EIRNS/Stephanie Nelson

# Why Does Obama Defend Saudis at High Court?

by Edward Spannaus

from liability for the 9/11 terrorist attacks, since there is detailed evidence in the record showing its material support for, and assistance to, the hijackers, asserts a legal brief filed with the U.S. Supreme Court on May 21.

This extraordinary document was filed in opposition to the appeal filed by the Kingdom, following a bombshell ruling by the U.S. Court of Appeals for the Second Circuit Dec. 19, which reinstated the Kingdom and related Saudi “charities,” as defendants in a multi-million-dollar lawsuit brought by 9/11 victims and their families, as well as insurance companies seeking recovery for damages paid.<sup>1</sup> This decision allowed the families and others to proceed with their efforts to hold the Saudis accountable for the 9/11 attacks, after they had been stalled for eight years, since 2005, when the Kingdom and its “charitable” allies had been dismissed as defendants.

The Obama Administration has not yet indicated whether it will again intervene on behalf of the terrorist-sponsoring Saudis, as it shamelessly did in 2009. But in a related case, the Administration filed a brief on May 27, in defense of a major Saudi bank often linked to terrorism by the U.S. government itself.

On March 21, lawyers filed a brief for the Kingdom, technically, a “Petition for a Writ of Certiorari,” asking the Supreme Court to review the December ruling of the Court of Appeals. They complain that the appeals court ruling “subjects a foreign sovereign and important ally of the United States to renewed litigation based on spurious allegations of complicity in the worst terrorist attack ever perpetrated on United States soil.”

In their argument to the Supreme Court, the Saudis rely heavily on, first, the 9/11 Commission coverup of the Saudi role in 9/11, purporting to find that Saudi Arabia had no role in the 9/11 attacks, while of course ignoring the earlier Congressional Joint Inquiry into the

9/11 attacks which did find such evidence.<sup>2</sup> That evidence, 28 pages worth, was then suppressed by the Bush-Cheney Administration, and to this day, is still being withheld from the public by the Obama Administration.

Second, the Saudis rely upon the Obama Justice Department’s intervention into the case in 2009 on the side of the Saudis. In an *amicus curiae* brief filed with the Supreme Court on May 29, 2009, then-U.S. Solicitor General Elena Kagan (now a Supreme Court Justice), stating that she was appearing on behalf of both the U.S. Departments of State and Justice, argued that Saudi Arabia and its officials are immune from lawsuits under the legal doctrine of “sovereign immunity.”

One of the most preposterous, and self-serving arguments made by the Obama Administration, was that the Saudis do not fall under the “terrorism exception” to the sovereign immunity doctrine, because the Kingdom has not been officially designated as a “state sponsor of terrorism”—when, in truth, the Saudis are the world’s leading state sponsor of terrorism; their jihadist clients have killed far more Americans, just in Afghanistan and Iraq, than any other country in the world.

‘A Direct Link...’

In their brief, the plaintiffs mock the Saudi Kingdom’s repeated claim that it is an “important ally of the United States,” referring to the Saudis instead as “a supposed ‘ally’ of the United States.” They state:

“The Kingdom is alleged to have provided material support and assistance through its officials and agents to al-Qaeda, including assistance that enabled it to develop the network and capabilities that would ultimately carry out the September 11th attacks. It allegedly did so through: (a) individual government agents operating in the United States and Germany in support of the September 11th hijackers; (b) its charities that worked closely with al-Qaeda for years leading up to the attacks, including in certain cases through actions undertaken in the United States....

“Omar Al Bayoumi, a Saudi intelligence officer, and Fahad Al Thumairy, a Saudi diplomat from the Ministry of Islamic Affairs ... allegedly assisted two of the September 11th hijackers directly from within the United States. This support included renting an apartment for two of the hijackers, facilitating their settlement in San Diego during preparation for the attacks,

1. See “Coverup of Saudi Role in 9/11 Finally Begins To Crumble,” *EIR*, Jan. 3, 2014.

2. For how the coverup worked, see “Bush and Obama Joined at the Hip in Shameless Coverup of Anglo-Saudi 9/11,” *EIR*, Aug. 17, 2013.

and helping them enroll in flight schools.

“Plaintiffs also alleged that Muhammed Fakihi, the head of the Islamic Affairs Department of the Saudi Embassy in Berlin, assisted members of the Hamburg al-Qaeda cell that planned and coordinated the September 11th attacks.”

In support of their claims, the plaintiffs cite the statement of former U.S. Senator and co-chair of the Congressional Joint Inquiry Bob Graham, statement that “he is convinced that there was [a] direct line between at least some of the terrorists who carried out the September 11th attacks and the government of Saudi Arabia,” and they also note that, following the 9/11 attacks, “senior U.S. counter-terrorism officials described to Congress how Saudi Arabia was the ‘epicenter’ of terrorist financing and how ‘[w]ealthy Saudi financiers and charities have funded terrorist organizations and causes that support terrorism and the ideology that fuels the terrorists agenda.’ Similarly, ‘most of the major elements of Al Qaeda have reported Saudi funding ties, and Saudi funds permeate the world of Islamic charities, supporting entities in the Middle East, South Asia, Southeast Asia, Europe and North America tied to terrorism.’”

The Supreme Court will likely decide by the end of June whether it will accept the case for review.

### Another Impeachable Offense

Meanwhile, on May 27, Obama’s U.S. Solicitor General Donald Verrelli filed an *amicus* brief with the Supreme Court in the case of *John P. O’Neill et al. v. Al Rajhi Bank et al.*, in which the estate of the late FBI official John P. O’Neill, who was killed at the World Trade Center on 9/11, is suing al-Rajhi Bank and other Saudi financial institutions that funded “charities” which, in turn, funded al-Qaeda. Here, the Justice Department makes the contorted argument that these banks are not proven to have known that they were indirectly funding terrorists. What makes this so outrageous, is that the U.S. government itself, through the 9/11 Commission, the CIA, and other agencies, has documented al-Rajhi’s role in financing al-Qaeda terrorism.<sup>3</sup>

Why is Obama protecting these enemies of the United States? Does this not qualify as an impeachable offense, if not outright treason?

3. See “Saudi Bankrolling of al-Qaeda Well Known to U.S. Government,” *EIR*, Sept. 27, 2013.

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## India Looks to Next Energy Frontier: Fusion Power

*The nation is committed to making nuclear power the backbone of its long-term power generation, while its fusion power research situates it to take the crucial next step. Ramtanu Maitra reports.*

May 17—Last month, Indian Atomic Energy Commission (AEC) Chairman Dr. R.K. Sinha announced that the design for the thorium-fueled nuclear reactor, known as the **Advanced Heavy Water Reactor (AHWR)**, has been completed. The AHWR will form the third and final stage in India's fuel-cycle plan. A 300-MW prototype is scheduled to be built in 2016, and will start generating electricity by 2023. "To generate a single megawatt of electricity from this world's first thorium-based reactor, it would take at least 7-8 years," said Sinha.

Thorium, a fissionable fuel, is the second-most available element on Earth and abundant in India's coastal sands. No other country's scientists have done as much neutron physics work on thorium as have India's nuclear scientists. The positive results they obtained have motivated India's nuclear engineers to use thorium-based fuels in the more advanced reactors that will soon enter the construction stage.

But while thorium-fueled indigenous nuclear power plants will pave the way for India to produce the sizeable amounts of power it needs in the short term, the country needs to move forward quickly and decisively to set the stage for hydrogen-fueled nuclear fusion-based power generation as its bread and butter for the future.



India is now building a 500-MW prototype fast breeder reactor (PFBR) at Kalpakkam (shown here), which is scheduled to go into operation later this year.



The key to any long-term economic and social stability is to generate power of the highest energy-flux density, such as nuclear fission and nuclear fusion, and to refrain from burning natural resources. That is also one of the keys to protecting and sustaining the environment for future generations.

As I will explain in the following pages, India is extremely well placed to lead the way in this area that is so fundamental to the country's prospects for future growth and development.

### A Three-Stage Nuclear Power Program

Guided by the late Dr. Homi Bhabha, widely regarded as the “father of India's nuclear program,” India decided on a three-stage nuclear program in the 1950s, when its nuclear power research centers were set up. In the first stage, natural uranium (U-238) was to be used in state-of-the-art **pressurized heavy water reactors (PHWR)**. India has now built and made operational 18 such PHWRs, and five more are under construction.

In the second stage, it was envisioned that plutonium extracted from the spent fuel of the PHWRs would run fast breeder reactors. To do that, India needed to develop its own fast breeder reactor that could use plutonium-based fuel in the core, to breed both U-233 from thorium and Pu-239 from U-238 in the blanket. The Pu-239 and U-233 are needed as driver fuel in the AHWRs of stage three.

India is now building a 500-MW **prototype fast breeder reactor (PFBR)** at Kalpakkam, which is scheduled to go into operation this year. It will use **uranium-plutonium oxide (MOX)** with a thorium blanket to breed fissile U-233. The plutonium content will be 21% and 27% in two different regions of the core. The PFBR will take India's ambitious thorium program to stage two, and set the scene for eventual full utilization of the country's abundant thorium to fuel the reactors. Four more such fast reactors have been announced for construction by 2020.

In the third and final stage, AHWRs will be fuelled by a mix of U-233 and plutonium, which will be converted from thorium and U-238, respectively, by previously deployed and domestically designed fast breeder reactors. Another version of the AHWR will



*Dr. Homi J. Bhabha, the “father of India's nuclear program.” India's Atomic Research Center in Mumbai is named for him.*

use low-enriched uranium (AHWR-LEU), along with thorium.

When India began the process of building the first PHWRs, the first-stage reactors, they had already been developed by other nations, Canada being the leader at the time. However, India had to develop on its own second- and third-stage reactors. The first of these second-stage reactors, the PFBR, and the breeder reactors that will follow, are intended to boost India's nuclear power generation capacity over the next three decades; but their crucial contribution will be producing the fuel for the third-stage nuclear reactors—the AHWRs.

Beside the PHWRs and the PFBRs now under development, India has two imported **Boiling Water Reactors (BWR)** in Tarapur, four 1,000-MW VVERs from Russia in Koodankulam, Tamil Nadu (one is now operational and a second is under construction, while two others are under contract), and six 1,650-MW EPRs under contract to be set up in Jaitapur, Maharashtra, by the French firm Areva. It can be said that India is now committed to making nuclear power the backbone of its long-term power generation scheme.

Significantly, it was Dr. Bhabha who insisted in the 1950s that atomic power should be the cornerstone of India's power generation; and, despite his mysterious death in 1966, and open opposition, if not outright sabotage, by the developed nations over the following decades, India did not stray from his original plan. Because of the delay, caused primarily by outside forces blocking supplies and trying to starve India of all nu-

clear-related items, 450 million people in India still live without electricity. Without access to electrical power, their capabilities and potentials have been forcibly suppressed, and the blame for that heinous act should be shared widely, particularly by those who deliberately resorted to devious means over several decades to undermine India's nuclear power program.

### **The China Lesson**

Before the 1980s, when China plunged into rapid economic development, the situation in that country was similar to that of India. Although China had been part of the nuclear weapons club since the 1960s, and thus had access to all nuclear-related equipment and material, that country did not have the basic infrastructure necessary to develop a full-fledged nuclear power program. That came later, after Deng Xiaoping decided that it was time for China to "walk on both legs," i.e., pursue all-around economic and technological progress.

Since the 1990s, China has been setting up electrical power generation stations, mostly coal-fired, at break-neck speed. Since neither China nor the world had the capacity to supply China with the dozens of nuclear reactors that would meet some of its power generation demand, Beijing opted for burning dozens of millions of tons of coal on a daily basis to generate electrical power. The result is an unfolding ecological disaster.

China's massive power generation program using coal at an unsustainable rate was premised on its requirement to enhance and widen its manufacturing base to seize the world market and provide employment to its millions of people. And, indeed, it succeeded in both areas. But this success has come at the cost of destroying vast stretches of China's inland water sources, its air, and even its precious and limited arable land. China's Ministry of Environmental Protection and Ministry of Land and Resources recently pointed out in a joint report that about 16.1% of the country's soil is polluted. Most alarmingly, about 19.4% of the farming land is polluted, according to the report. Unregulated growth, aided by burning coal in massive amounts to generate power, has resulted in industrial waste contaminating land around factories and mines, while automobile exhaust is polluting the air along the country's main highways.

China has a limited amount of arable land—about 112 million hectares and shrinking (about 13% of the total land area). Although it has very high crop yields,

China is now wholly dependent on imports for a percentage of basic cereals to feed its population. As more and more agricultural land is being polluted and becoming unusable, it is likely that China's dependence on food imports will increase, and the country will be looking to lease lands in various Third World countries to grow food for China's consumption—a bad situation, indeed.

Can China move out of this trap? It is not likely in the short term. China is now caught in its self-created "Catch-22" situation. It must carry on; it has to maintain its growth rate. But since the country will need decades to acquire the capability to build nuclear reactors in bulk and generate nuclear power at an adequate rate, it means that more coal, mined from all across the world, will be used to create more electrical power—and pollution. To clean up the mess that has already been created, massive amounts of resources will be necessary in the coming years. Such remedial plans are already on Beijing's drawing board.

The problem of burning millions of tons of coal on a daily basis to generate power affects the infrastructure in many adverse ways. A 1,000-MW coal-fired power needs about 6,600 tons of coal daily. The amount varies slightly according to the quality of coal used. There are more than 2,300 coal-fired power stations worldwide (7,000 individual units), and approximately 620 of these power stations are in China. And many hundreds more are already on China's drawing boards.

Coal-fired power generation does not simply make the air less breathable, it initiates other problems as well. For instance, vast amounts of water are needed to clean these millions of tons of coal every day for burning. The polluted water needs to be cleaned up, a part of the process that China has put aside for now. In addition, handling these vast amounts of coal on a daily basis is extremely burdensome: The coal needs to be shipped from the ports or mines to the coal washeries to get it ready for burning. For China, that entails lugging in dozens of millions of tons of coal every day, 365 days a year, to feed these hungry burning ovens. Those amounts may soar in the coming years.

The process does not end there. Burning vast amounts of coal also produces vast amounts of fly ash—which is full of acidic chemicals ready to pollute the land, clog the waterways, and kill all living things in the water—so an almost equal amount (in weight) of fly ash then has to be carried to the dumping grounds. What that means is that a large section of China's railroads



Government of India/Dept. of Atomic Energy

*India has been engaged in desalination research since the 1970s. This demonstration plant was set up in 2002, at the Madras Atomic Power Station (MAPP), Kalpakkam, Tamil Nadu.*

will remain tied up hauling in coal from the ports and mines to inland destinations where the power plants are located and then hauling the fly ash out.

China has walked into a terrible trap. Its energy policy is a case study in unsustainable “development” which India must recognize and, while there is still time, decisively avoid—by deliberately putting a priority on stepping up its nuclear power generation capabilities.

By contrast, a nuclear power plant requires very little fuel—a tiny fraction of what a coal-burning power plant requires. In the case of thorium-fueled nuclear power plants, the fuel requirement will be even less. Why? Because, unlike the pressurized and boiling water reactors that burn about 1% of their fuel before going non-critical, and require refuelling once a year, thorium-fueled power plants can burn more than 90% of the loaded fuel and would thus require refuelling only once in 30 years or so. This means

to the communities and desalinate water for drinking and other uses.

Nuclear desalination uses the excess heat from a nuclear power plant to evaporate seawater and condense the pure water. It can also make brackish inland water potable. According to experts, small nuclear power plants strung like a necklace along peninsular India's

that the overall waste per reactor lifespan will be a fraction of what we have to deal with in the present generation of uranium-fueled reactors. These were the major reasons (besides, of course, India's abundant reserves of thorium) that Dr. Bhabha and Indian scientists opted for this unique three-stage nuclear power generation program.

## Nuclear Desalination: Its Time Has Come

With such an advantage in hand, besides laying the foundation for an ecologically sustainable and vast power generation capacity, India should soon be ready to build in bulk, and set up small, sealed thorium-fueled nuclear power plants of 75-MW capacity, or less, all along our 8,000-km coastline, stretching from West Bengal to Gujarat, to provide power

to the communities and desalinate water for drinking and other uses. Nuclear desalination uses the excess heat from a nuclear power plant to evaporate seawater and condense the pure water. It can also make brackish inland water potable. According to experts, small nuclear power plants strung like a necklace along peninsular India's coast can supply the water needs of the population on a daily basis. Indeed, this could be the harbinger of India's “blue revolution.”

This is not uncharted territory. The first nuclear desalination plant in the world, the BN-350 fast reactor at Aktau, in Kazakhstan, established during the Soviet Union, and now decommissioned, successfully supplied up to 135 MW of electrical power while producing 80,000 m<sup>3</sup>/day of potable water over some 27 years—about 60% of its power being used for heat and desalination. In Japan, some 10 desalination facilities

FIGURE 1  
India



linked to pressurized water reactors operating for electricity production yield about 14,000 m<sup>3</sup>/day of potable water.

India has been engaged in desalination research since the 1970s. In 2002, a demonstration plant coupled to twin 170-MW nuclear power reactors (PHWR) was set up at the Madras Atomic Power Station (MAPP), Kalpakkam, Tamil Nadu. This hybrid Nuclear Desalination Demonstration Project (NDDP) comprised a **reverse osmosis (RO)** unit with 1,800 m<sup>3</sup>/day capacity and a **multistage flash (MSF)** unit of 4,500 m<sup>3</sup>/day, plus a recently added barge-mounted RO unit. This is the largest nuclear desalination plant in the world based on hybrid MSF-RO technology using low-pressure steam and seawater from a nuclear power station.

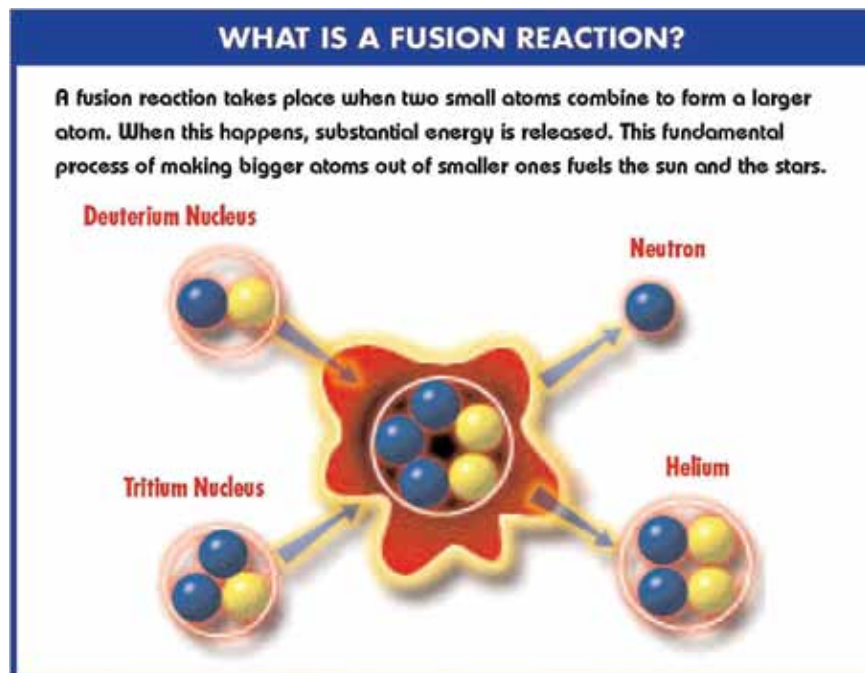
## Why Nuclear Fusion?

Considering India's steadfast commitment to bringing its three-stage nuclear power generation program to fruition, one may ask why the nation should opt for nuclear fusion. The key to nuclear power—both fission and fusion—is their high energy-flux density, which enables the society to use this source of power to perform all known industrial and manufacturing activities using very little fuel. Moreover, both nuclear fission and fusion are clean sources of energy and do not encumber the country's infrastructure unduly.

The nuclear fission reaction requires a critical mass of the substance (i.e., the smallest amount of fissile material for a nuclear chain reaction to take place) and a relatively slow neutron to split the atom. No significant amount of energy is needed to initiate the process. By contrast, a nuclear fusion reaction requires a significant input of energy, enough to bring two nuclei so close that nuclear forces become active and the nuclei "fuse" to release energy. But there is an important difference between the two nuclear processes, which gives an advantage to fusion.

In addition to having measurably higher energy-flux density than fission, nuclear fusion uses isotopes of hydrogen for fuel, which does not require the mining and processing that is associated with fission fuels. We

FIGURE 2



US Department of Energy (2001)

know that fusion powers the Sun and stars, as hydrogen atoms fuse together to form helium, and matter is converted into energy. Heated to very high temperatures, hydrogen changes from gas to plasma, in which the negatively charged electrons are separated from the positively charged atomic nuclei (ions). Normally, fusion is not possible because the strongly repulsive electrostatic forces between the positively charged nuclei prevent them from getting close enough together for fusion to occur.

However, if the conditions are such that the nuclei can overcome those forces to come within close range of each other, the attractive nuclear force (which binds protons and neutrons together in atomic nuclei) between them will outweigh the repulsive (electrostatic) force, allowing them to fuse. Such conditions can occur when the temperature increases, causing the ions to move faster and eventually reach speeds high enough to bring them into close contact, at which point they can fuse, causing a release of energy.<sup>1</sup>

## New Developments

In the Sun, massive gravitational forces create the right conditions for fusion, but on Earth, they are much

1. "Nuclear Fusion Power," World Nuclear Association, February 2014.



harder to achieve. Fusion fuel—different isotopes of hydrogen—must be heated to extreme temperatures in the order of 100 million degrees Celsius, and must be kept dense enough, and confined long enough, to allow the nuclei to fuse. The aim of the controlled fusion research program is to achieve “ignition,” which occurs when enough fusion reactions take place for the process to become self-sustaining, with fresh fuel then being added to continue it.

For decades now, scientists around the world have been carrying out experiments to develop the equipment and methods to generate sustainable power through fusion. The lack of interest of governmental authorities, who are guided by various existing energy lobbies, have deliberately and consistently stymied their efforts. Recently, however, things have begun to change.

Scientists have been pursuing two ways to achieve nuclear fusion. One uses lasers and is called **inertial confinement fusion (ICF)**; the other deploys magnets and is called **magnetic confinement fusion (MCF)**. Recent reports indicate that at the Lawrence Livermore National Laboratory in California, Omar Hurricane and his colleagues at the National Ignition Facility who opted for ICF, have made a significant breakthrough (with the help of 192 high-energy lasers) in the pursuit of commercial fusion power.

The most critical part of the reaction for Hurricane’s team was the shape of the fuel capsule. Made from a polymer, it is about 2 mm in diameter—about the size of a pin head. On the inside it is coated with deuterium (2H) and tritium (3H)—isotopes of hydrogen—that are frozen into a solid state.

This capsule was placed inside a gold cylinder, at which the 192 lasers were fired. The lasers hit the gold container, which emits X-rays that heat the pellet and make it implode instantly, causing a fusion reaction. According to Debbie Callahan, a co-author of the study, “when the lasers are fired, the capsule is compressed 35 times. That is like compressing a basketball to the size of a pea.” By firing 192 lasers at a fuel pellet the size of a pin head, and compressing it 35 times to produce the pressure and heat needed to start a fusion reaction, the scientists succeeded in producing slightly more energy than the fuel absorbed from the lasers—a breakthrough after years of setbacks and slipped timescales.<sup>2</sup>

In addition to the success at Lawrence Livermore, groundwork has advanced significantly in achieving magnetic fusion, which is the way the Sun produces nuclear fusion. Arguably the more advanced strand of research, MCF is the basis of the **Joint European Torus (JET)** experiment located at the Culham Centre for Fusion Energy (CCFE) in the U.K. In 1997, the JET team achieved a major breakthrough, generating a world record 16 MW of fusion power. But for lack of interest from a world busy with speculative financial rackets, the news didn’t get the attention it deserved. In 2017, the team will attempt to break its previous record in a new series of tests, says Prof. Steve Cowley, director of CCFE and chief executive of the United Kingdom Atomic Energy Authority.

### ITER Tokamak and Indian Tokamak

JET’s ring-shaped “tokamak” magnetic confinement chamber design is also at the heart of the **International Thermonuclear Experimental Reactor (ITER)**, a \$20 billion project that aims to demonstrate that fusion can work at a power-plant scale. ITER (Latin for “the way” or “the road”) is an international nuclear fusion research and engineering project, which is currently building the world’s largest experimental tokamak nuclear fusion reactor, adjacent to the Cadarache facility in southern France. A truly international effort, ITER involves 35 nations, many of which are building complex components that are then shipped to France for assembly.

Once completed, ITER is expected to release 500 MW of power from a 50-MW input and, as many hope, might even achieve ignition. ITER is scheduled to be fired up by 2017.<sup>3</sup>

India is one of the seven partners (along with the European Union (EU), the United States, Russia, China, South Korea, and Japan) working to demonstrate the viability of nuclear fusion on the scale of a power station. As the host-partner of ITER, the EU is the largest contributor, with a 34% stake. India has taken up 9%, which will be executed by the Gandhinagar-based ITER-India, a division of the Institute of Plasma Research (IPR). All seven partners will contribute in kind by bringing components to the project. Twenty-three Indian scientists are part of the ITER project to produce electricity from nuclear fusion.

2. Akshat Rathi, “Giant leap for nuclear fusion as lasers blast new route to ultimate energy source,” *The Conversation*, Feb. 12, 2014.

3. Duncan Jefferies, “Back to the future: are we about to crack energy fusion?” *The Guardian*, May 7, 2014.



“Indian companies—both in the public and private sectors—with capabilities in nuclear and space industries are being awarded contracts,” says Shishir Deshpande, ITER-India project director. Nine large components, amounting to almost a tenth of the project, will be fabricated and sourced from India. The biggest of these, the cryostat—a 3,800-ton pressure chamber the size of a 10-story building—was awarded to Larsen & Toubro (Mumbai) in August. The component, worth more than \$160 million, is being built in India and will be shipped to France in sections.

Beginning December 2015, the first of the ITER cryostat’s components will arrive at the Cadarache site from India. The 54 segments that constitute the cryostat are among the largest and heaviest of the whole tokamak assembly. They will have to be pre-assembled into four sections before being transported to the Assembly Building.

For L&T president M.V. Kotwal—a board member and head of heavy engineering, who also spearheads the company’s ambitions in the nuclear industry—the ITER-India contract is a chance to further establish the company’s reputation and enhance its engineering capabilities. L&T has sunk about \$300 million into a forge shop at Hazira through a joint venture with the Nuclear Power Corporation of India (NPCIL). ITER-India awarded an earlier contract, for the shielding vessel, to Bangalore-based Avasarala Technologies. It is also working closely with TCS and Inox India for cryogenics; ECIL for power electronics; and several other vendors.<sup>4</sup>

India’s participation in ITER is not only a firm step in the right direction, it came about because of India’s own limited, but useful, fusion program, which began in 1989 at the Institute for Plasma Research (IPR) in Gandhinagar. That year at IPR, India’s first tokamak,



Peter Ginter

*India is one of seven nations working on the International Thermonuclear Experimental Reactor (ITER), a \$20 billion project which aims to demonstrate the viability of nuclear fusion. Here, Indian technicians work on the assembly housing the gas-feed system.*

called ADITYA, was commissioned. It was designed and mainly fabricated in India. The main objective of this experiment was to reliably operate a tokamak at high temperature and plasma current. ADITYA has been upgraded several times to enhance its performance and undertake diagnostics work to get a better understanding of high-energy plasma physics.

The experience garnered from ADITYA over the years has helped Indian scientists move to the next phase, which is to build and operate the next-generation tokamak, called **Steady State Tokamak (SST-1)**. When commissioned, SST-1 will operate in long pulses and will be using superconducting magnets to produce a strong magnetic field of 3 Tesla. The objective will be to set the stage for commercial generation of fusion power, and for that, long pulses and steady-state plasma are essential. The issue at stake is the duration of plasma current, which must remain sustainable for at least a few hours. The tokamak will be using superconducting magnets, a large-scale cryogenic system, high-power radio frequency (RF) systems, etc. SST-1, however, will not be producing any energy from fusion and will be using hydrogen plasma, instead of deuterium-2H and tritium-3H, a radioactive isotope of hydrogen.

4. Ibid.

# *Facing Thermonuclear War*

Columnist and former Reagan Cabinet member Paul Craig Roberts showed that he was one of the few individuals in the U.S., outside the LaRouche movement, to state publicly the greatest immediate danger facing mankind: a thermonuclear war of extinction.

Roberts devoted his June 2 and June 3 columns to reviewing the implications of a May 30 article by Steven Starr, senior scientist for Physicians for Social Responsibility, entitled “The Lethality of Nuclear Weapons.” “The uninformed are leading the uninformed toward the abyss of extinction,” Starr wrote.

Starr reviews the series of scientific studies done since 2006—featured also in “Unsurvivable,” LaRouchePAC’s unnerving video on the threat of thermonuclear war—which demonstrate that a “small” nuclear war, using only 1% of either Russian or U.S. launch-ready nuclear weapons, would lead to global famine and the deaths of up to 2 billion people, while “a war fought with less than half of U.S. or Russian strategic nuclear weapons would destroy the human race.”

“We hear only about terrorist threats that could destroy a city with an atomic bomb, while the threat of human extinction from nuclear war is never mentioned—even when the U.S. and Russia are each running huge nuclear war games in preparation for a U.S.-Russian war,” Starr wrote. “Even more frightening, is the fact that the neo-cons running U.S. foreign policy believe that the U.S. has nuclear primacy over Russia; that is, the U.S. could successfully launch a nuclear sneak attack against Russian (and Chinese) nuclear forces and completely destroy them.”

“The need is dire for the President of the U.S., Russia, or China to state in a highly public forum

that the existence of nuclear weapons creates the possibility of their use and that their use in war would likely mean human extinction. As nuclear war has no winners, the weapons should be banned and destroyed before they destroy all of us,” he concludes.

After reviewing Starr’s article on June 2, Roberts followed up June 3 with a more direct warning, which hits at the current strategic moves of the Obama Administration: “Washington thinks nuclear war can be won and is planning for a first strike on Russia, and perhaps China, in order to prevent any challenge to Washington’s world hegemony.

“The plan is far advanced, and the implementation of the plan is underway. As I have reported previously, US strategic doctrine was changed and the role of nuclear missiles was elevated from a retaliatory role to an offensive first strike role. US anti-ballistic missile (ABM) bases have been established in Poland on Russia’s frontier, and other bases are planned. When completed Russia will be ringed with US missile bases...

“No government believes Washington’s reasons. Every government realizes that Washington’s reasons are feeble attempts to hide the fact that it is creating the capability on the ground to win a nuclear war.”

The Russian and Chinese governments know this, and have made it clear they will not sit by and let the plan proceed, he adds.

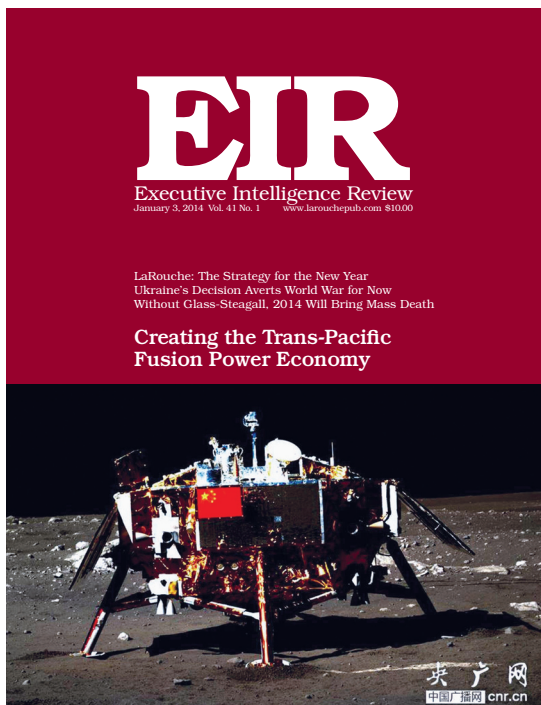
What can be done? Roberts offers no plan, but Lyndon LaRouche does: Recognize the source of this insanity as the British Empire, and remove its puppet regime in Washington, D.C. That means, move to impeach Obama now.

Then bankrupt the Empire itself, with Glass-Steagall, to take war permanently off the agenda.

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