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‘Project Space’—The Thesis
Nuclear Agro-Industrial Complexes for NAWAPA XXI
Zepp-LaRouche UN Appeal: Replace Globalization Now!

LaRouche Webcast: Time To Foreclose on Wall Street



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ON THE WEB
e-mail: eirns@larouchepub.com
www.larouchepub.com
www.executiveintelligencereview.com
www.larouchepub.com/eiw
Webmaster: *John Sigerson*
Assistant Webmaster: *George Hollis*
Editor, Arabic-language edition: *Hussein Askary*

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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
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.

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 Managing Editor

So, the U.S. government has shut down. "This is your time," a Congressman told a LaRouchePAC organizer. "Nobody up here knows *what the hell to do!* This is total chaos, and this is your time."

And what the hell *do* we do? Lyndon LaRouche has been telling us for a long time, and does so again in this week's issue, starting with his Sept. 27 webcast: Shut down Wall Street! Develop fusion power! Easy-peasy, no?

If you think that sounds too "radical"—i.e., impossible—think again. What would reinstating the Glass-Steagall Act do, after all? It would shut down Wall Street! Not necessarily every bank on the block, but those that have sunk so deeply into derivatives and other scams that there's virtually nothing left of them. Commercial banking that lends money for industry and commerce would remain intact, as they did after the FDR banking holiday of 1934.

There is nothing else that can bring the Congressional budget impasse to an end without further mayhem, even a dictatorship.

Then try something a little harder: a fusion-based economy. True, we do not have controlled thermonuclear fusion power yet, due to four decades of sabotage of the research funding by Wall Street and the green lobby, both of which thought they had better things to spend our money on. LaRouche discusses the matter in "Project Space: The Thesis." He has been on this "beat" since the early 1970s, with the founding of the Fusion Energy Foundation. By situating the quest for fusion power today within an international program for trans-Pacific development, extending across Eurasia, across the Bering Strait, to the Americas, we give new impetus to this program that mankind urgently needs. That will be complemented by the NAWAPA XXI "gateway to the fusion economy" (see *Science* for the latest in our series) and a space-based program for Strategic Defense of Earth. Yes, very ambitious. But not impossible.

Our news coverage highlights the fragile but hopeful potential for progress in the Mideast, including, crucially, in relations between the U.S. and Iran. Helga Zepp-LaRouche contributes an open letter to the UN, as well as an analysis of the aftermath of the German elections. And in *National*, we report the renewed focus in Congress on the Saudi connection to terrorism.

Susan Welsh

EIR Contents

Cover This Week



EIRNS/Sylvia Spaniolo

LaRouchePAC organizing at the AFL-CIO convention in Los Angeles, Sept. 9, 2013.

4 LaRouche Webcast: Cancel Wall Street! Go for Glass-Steagall & the Fusion Economy
Lyndon LaRouche's Sept. 27 webcast, in which he was joined by members of his Policy Committee, for a discussion covering the paradigm-shift in relations among the United States and Russia, the U.S. and Iran, and a potential solution to the horrific crisis in Syria. But the focus was on the need to shut down Wall Street, and put through Glass-Steagall.

14 Wall Street Is Out To Kill You with Hyperinflation
The text of a leaflet issued by the LaRouchePAC Policy Committee.

15 JPMorgan, Obama Meet To 'Solve' Crisis
In the midst of the government crisis in Washington, President Obama invited the top Wall Street bankers in to find out what he could do for them, as Main Street crumbled.

International

16 Zepp-LaRouche UN Appeal: Call on World Leaders To Replace Globalization Now!
With the fragile hopes for peace in Syria, and rapprochement between the U.S. and Iran, Helga Zepp-LaRouche has issued an "Urgent Appeal to the UN General Assembly."

18 U.S. and Iran Open Diplomatic Track

20 German Elections: Scandalous Fraud Against the Voters
By Helga Zepp-LaRouche. The chairwoman of the Civil Rights Solidarity Movement (BüSo) in Germany analyzes the recent elections there, in which her party made the need for Glass-Steagall, vs. the Troika's drive to impose the "Cyprus template," the focus of its electoral campaign.

22 After the Election: Instability Remains

23 Africans in Revolt vs. International Court
Led by leaders from Ethiopia, Uganda, and Kenya, a movement has arisen in Africa against the International Criminal Court.

Economics

25 Will U.S. Let Europe Fall Under New Dictatorship?
There is now a stark contrast between the nations of Asia, which are pushing ahead with nuclear power and space science, and the trans-Atlantic countries, whose people are being crushed under a monetarist dictatorship.

27 Interview: Terry Boehm: Globalization, Speculation Threaten Canadian Agriculture, Grain Production
An interview with the president of the National Farmers Union of Canada.

33 Inland Waterways: Romantic Notion or Means To Kick-Start World Economy?
A report from the 26th World Canals Conference which took place in Toulouse, France, Sept. 16-19.

National

38 Is U.S. Congress Waking Up to the Saudi Threat?
Protests are being raised across the U.S. against the financing of terrorism by the Kingdom of Saudi Arabia and its royal family. Even some in Congress are finally taking notice.

Science

40 'Project Space': The Thesis
By Lyndon H. LaRouche, Jr.
The realization of the long-postponed great U.S.A. water system, expanded and enriched by the "Basement" research team, as NAWAPA XXI, will result in "the greatest, and most beneficial achievement in the expression of great works which had been ever achieved by mankind on planet Earth this far."

53 Nuclear Agro-Industrial Complexes for NAWAPA XXI
Liona Fan-Chiang contributes the fourth in our series from the *21st Century Science & Technology* Special Report, "Nuclear NAWAPA XXI: Gateway to the Fusion Economy." NAWAPA XXI's new productive powerhouses—nuclear-driven agro-industrial complexes—will become the centers of mass industrial and agricultural output.

Editorial

59 Glass-Steagall In, Obama Out

LAROUCHE WEBCAST

Cancel Wall Street! Go for Glass-Steagall & the Fusion Economy

In his weekly Friday evening webcast Sept. 27, Lyndon LaRouche was joined by several members of the LaRouche Policy Committee, Bill Roberts, Kesha Rogers, Rachel Brown, and Michael Steger, and by moderator Matthew Ogden, who read the first question, from a Washington, D.C. source.

Q: Mr. LaRouche: With the agreement on a new United Nations Security Council resolution on Syria, and the recent P5+1 meeting in New York City, on the sidelines of the UN General Assembly session, there has been potentially serious progress toward resolving the two most dangerous crises in the Middle East region. Secretary of State Kerry met with Iranian



LPAC-TV

"We have a highly unstable situation," Lyndon LaRouche stated, but the President is "on the skids," and "there is a very good chance, that this can be a winnable situation for the United States, and other nations, in the immediate future."

Foreign Minister Zarif in the highest-level official meeting between the two countries since the Islamic Revolution, and the attitude of the new Iranian government seems to be open to a successful P5+1 agreement.

Russia's efforts at reviving the Geneva II process, and the Syrian government's signing of the chemical weapons ban, and moving forward to the verifiable destruction of all of the chemical weapons stockpiles, has so far moved the process forward in a way that was not possible just a few months ago.

Of course, President Obama has been severely boxed in by an outpouring of public opposition from the American people, and a bipartisan war-avoidance effort led by the Joint Chiefs of Staff and a coalition of representatives and senators.

Our question to you is the following: Can these recent breakthroughs with Syria and Iran lead to an overall paradigm shift in the Middle East, away from the traditional Great Game? What are the necessary conditions for such a shift?



LPAC-TV

Bill Roberts said, "the American people are being absolutely screwed by this bailout"; he cited statistics showing that the cost of basic items has skyrocketed since the repeal of Glass-Steagall in 1999.

Obama Is on the Skids

Lyndon LaRouche: Well, the question would appear complicated. For me it's not complicated, but when you try to explain it to people, it becomes complicated *for them*. Because the situation now is that essentially, President Obama is ready to be ditched. When and how that ditching might occur is uncertain, and there could a countermeasure or more complicated measure. But, we're in the period where the current President is on the skids, shall we say, and it's a question of how slippery those skids may prove to be. It could be longer or shorter. But right now, the general opinion, in terms of leading circles in the United States, and to some degree, abroad, is in a direction of ending the Obama Administration. That's the direction. Now other things could happen, but this is the general trend right now.

The problems are many. We know what the breaking points are, and the uncertainties lie in who's going to trip and fall first.

For example, Obama could trip and fall very easily. And institutions around Washington and so forth are aware of this, and are being alert for this. There's a great degree of discussion and examination of what the prospects might be. It's an unstable situation, but the direction is sliding downhill, for Obama.

It could be other things. There's always an accident that can happen quickly.

For example: The Queen of England is indisposed, shall we say, and she and her husband are presently *permanently* indisposed. William, the crown prince, so to speak, is scheduled on the skids to be the next King of the British Isles—even though the British Isles may be broken because the Scots may kick their way out of it.

So, it's that kind of complication, in the sense that there are certain things that are uncertain about the situation. But the trend is correct. The trend is, we're on the road, if we are successful, to dump this President; and the complications include a number of nutty Republicans, who are really clinically insane, as far as I can determine. So, there are complicating factors all over the place. But essentially I would say that the current President is on the skids. It's a question of how soon, and how fast he slips.

As of now, until we get a new government, nothing is certain. And I think that's what people in Washington and in relevant circles would conclude. The point is, apparently, this Administration is on the skids. How fast Obama is going to slide down, or whether he trips, all of these things—he's an unstable personality anyway. So, therefore, you have this unpredictability factor in him. And he's faced with a situation he will never be able to accept, which means that he's a freak show on his own.

So, that's where we stand. We're now at a point where we have a highly unstable situation. The leaning of options is toward an early dumping of this President, or his capitulation, or his giving up the ghost, or whatever. But there is a chance, a very good chance, that this

can be a winnable situation for the United States, and other nations, in the immediate future.

The Real Cost of Bailing Out Wall Street

Matthew Ogden: Now I'm going to transition directly into a subject that we had a discussion with you about last night. This is on the matter of the deterioration of the standard of living of the American people since the repeal of Glass-Steagall in 1999, in conjunction with the terrorist attacks on Washington and New York, Sept. 11, 2001. I'm going to ask Bill Roberts to come to the podium, to ask the first in a series of questions on this matter.

Bill Roberts: Lyn, you raised the real factor of the cost of supporting Wall Street and the financial institutions, in terms of the hyperinflationary increase in cost to the American population of certain basic commodities—grocery items, housing, and these types of things—especially since the attacks on Sept. 11, but also dramatically, since the Quantitative Easing and earlier such bailouts of Wall Street.

And I just wanted to read a few statistics, which I think are rather shocking, since people may not even quite realize just how dramatically the cost of basic things has increased over this period.

Obviously, the price of gasoline has increased dramatically, from about $1.46 [in 2001], as a national average, to around $3.59 today. The cost of residential heating oil has increased from about $1.38 a gallon to about $3.65 a gallon. The average cost of monthly rent has gone from about $715 to about $1,100 a month. New home prices, on average, have increased from about $136,000 to today about $242,000. And if you go through the basic grocery store items, you'll find, across the board, an increase on a large number of items, a 50-100% increase, or more, on even basic things like bread, flour. Eggs have more than doubled in price.

Now, that's price. That's a monetary figure, and on the one hand, if people's incomes increased that much, you would say you would maintain a kind of break-even. However, just since 2009, if you look at the increase in the earnings of the American population just over the last four years, 95% have only increased their income by about $500 over four years—so, in other words, only about $11 a month.

However, if you look at the top 1% of the income earners, their average income over this four-year period has increased by an average of $1 million.

And so, what we're looking at is that the American people are being absolutely screwed by this bailout. The American population has been lied to by the American President, about us coming out of this recession, but clearly there is sort of a "frog in the boiling pot" syndrome. The American population has been clearly lied to about the real cost of the bailout, and I want you to just tell the American people the truth about this process.

LaRouche: Well, it's easy to tell the truth; it's difficult to tell people the truth, because they'll be so shocked, once they get the picture.

You have actually two aspects to the income in and out of the United States. One, you have what the ordinary people, and ordinary businesses and so forth are experiencing. Then you have Wall Street and its international counterparts. They are in the highest rate of hyperinflation of all.

What this means practically is this: Obviously we intend to end this nonsense, because we cannot just go on killing our own people. We cannot do that. So, therefore something else is going to have to give way. And what's going to have to give way? Wall Street. Everything that Wall Street represents, both in the United States and outside the United States, is intrinsically *worthless*—intrinsically. There is no justification for them receiving any money.

Now, you look at this crazy thing that goes on in terms of counting up the figures. It's a complete fraud! And what will have to happen: Suppose we put in Glass-Steagall; it's what we have to do. What will be the effect in various categories, including Wall Street? Wall Street will be wiped out, as it should be, because its claims are absolutely worthless. Maybe there's some fractional thing that's of significance. But what we've been doing in this Quantitative Easing policy, is actually characteristic of this whole system.

The United States will collapse if we don't shut down Wall Street! That's inevitable. There's no way you can maintain Wall Street and the United States at the same time.

We Are at a Breaking Point

Now you also have the Queen of England and her husband, and the British royal family. Now, they are on their last legs. I don't know how many legs they have, but whatever it is, they're on the last of them. She is extremely ill, in various ways; he is monstrously ill. The entire British royal family, except for William or something like that, is just not eligible to function, if the thing is breaking down.

So, therefore, we're at a breakdown point. First, we're at a breakdown point, in terms of the United States, in terms of the economy. *There's no way you can solve this thing peacefully.* Those costs that he [Roberts] has cited are absolutely unjustified. There's no possible way of justifying them. They have to be *cut*—arbitrarily, if necessary—and just cut these things along the line. We're going to have to cut *most* from Wall Street, because Wall Street is nothing but a swindle, a pure swindle. There's no justification for Wall Street's existence in its present form. If we were to make an honest case for Wall Street, they would get a pittance, relative to what they have outstanding. Because what they're putting forward is *gambling debts*. Wall Street has one kind of asset: *gambling debts*. And if you cancel those gambling debts, Wall Street is finished. Well, Wall Street *has* to be finished, because it's a question of, are you going to have the United States and other nations, or are you going to have a hopeless situation for mankind?



LPAC-TV

"We must cancel Wall Street now," demanded Kesha Rogers. "The relationship of the population to Wall Street is almost like a battered-wife-to-her-abusive-husband syndrome."

So, that's where it stands. Now, the trouble is, that those people who are "in the business," shall we say, don't want to talk about that. But the fact of the matter is, the Quantitative Easing program, which is the most guilty thing in this whole process, shows you that we're dealing with nothing but an out-and-out fraud.

So, the point is, the only solution is to *cancel Wall Street*. How do you do that? Glass-Steagall! The installation of Glass-Steagall will immediately force the collapse of Wall Street. And that is the blessed event we're waiting for. Children coming along as blessed events, that's fine, but this is a *real* blessed event, getting Wall Street shut out of business. And it's the only way the United States can be saved. The United States will die if we don't cancel Wall Street. And I don't think the United States should die.

An Abusive Relationship

Kesha Rogers: I want to follow up on that very point. I think we have made our intention in this organization very clear, that we must cancel Wall Street now. We have to shut down the looting and the pillaging by Wall Street. But I want to get at the fundamental thinking of the relationship of the population to Wall Street. Because it's almost like a battered-wife-to-her-abusive-husband syndrome. There was a poll that recently came out, asking: Do you think that Wall Street lies? Do you think that Wall Street steals? Do they pillage? Do they rape the population?

And of course, an overwhelming number of people say "yes." But, at the same time, when asked: But do we need Wall Street? Is Wall Street an important facility?, more than 67% or so overwhelmingly still said, "Yes, we need Wall Street."

So, I think that the population needs some uplifting. They need to understand why they don't have to take this abuse anymore; why, if we crush Wall Street, we can once again lift the population out of this abusive relationship, into a relationship of understanding what their truly human identity is, and how we can progress as mankind once again.

So, can you give the population some uplifting as to why we don't need Wall Street?

LaRouche: Yes! Delighted to do so!

Well, the point is the fact that people are not confident that they can get rid of Wall Street. That's the only reason they would answer the question in those terms. They don't think they have the power to be rid of Wall Street. They think Wall Street will persist, and they're going to have to deal with it, and hope they can negotiate with it for a better deal—which will never happen.

So, therefore, put that thing to one side.

Wall Street has got to go down.

Now, the way it has to go down, is a series of operations; and you have to think about the psychology of the great mass of American citizens and so forth, to understand how this thing works. What you have to do, is take some preemptive measures, first of all. What's a preemptive measure? Well, break Wall Street! Preempt it! But that can only happen if you have set up a substitute

to sustain the incomes of our people. That means you've got to take over *from* Wall Street, and have our government actually take these things away from Wall Street—which they don't deserve, in their looting—and transfer that kind of wealth that's available as a result, to the people. Because once the people see that their government will treat them *fairly*, they're not going to want Wall Street at all. As a matter of fact, they don't want Wall Street now; they just are afraid of losing it.

And therefore, the question here is one of leadership. You know, people are voted in to something, and therefore they have this authority, and they're re-elected, but all these terrible things happen to [the voters].



LPAC-TV

Rachel Brown read a quote from a recent paper by LaRouche, in which he wrote: "There must be some inherent principle respecting the discovered nature of a self-government of a people. It must be a principle which is inherent in the intrinsically noëtic powers of the human species. It is those creative powers, as distinct from those of the beasts, which alone define a system of natural law among human beings, and therefore, mankind's predetermined rights and obligations."

So, therefore the issue here, is to recognize the fact that we don't have a government we trust, and we haven't had one for some time.

So, therefore, there are too many Bushes out there. And they're not burning bushes, though that might be an improvement. But the Bush family, including the grandpa Bush, Prescott, the one who put Adolf Hitler into power in Germany; and the son, George H.W. Bush, was wimpy, but he was also very evil. And I think he's now running around in a kiddy car, or something like that; now he's on sort of a quasi-retirement program. And the grandson is also a mental case of some characteristics. So, we don't need the Bushes! Moses was the one who dealt with the bushes, and that's the end of it! So, we don't need Bushes, but we do need a government!

So, the first thing we have to do, is get the Glass-Steagall program. Get the Glass-Steagall program through. Make it clear that's what we're committed to. That commitment has not been stated. If members of Congress would say that they're committed to a Glass-Steagall program, and what that means, and a new basis and a new deal—*a new real New Deal*—for the American citizen. Assure them that they have security under the government, without these [Wall Street] creeps being brought into the deal.

That's where it stands. That's all we need. We've got to win the confidence of the people. And the problem is, like, these crazy Republicans in the House, who are making a mess of everything: This kind of confusion actually causes *fear* among the people. They think this thing's going to get shut down, there's no justice, there's going to be some kind of rough treatment. So, therefore, we have to attack those kinds of Republicans, and tell them if they want to play these games, they should get the hell out of the Congress, because there's no place for people like that under these circumstances.

But the essential thing is, our job is to assure the people, in fair and clear terms, that we are determined—and can be *efficient* in that, if we're given the power to do so—to ensure that they will be taken care of fairly—that they can count on it. Once they have a demonstration of that assurance, they will be fully for it, as they were for Franklin Roosevelt in 1932-33.

A Few Good Presidents

Rachel Brown: We had a banner on Capitol Hill this week that said "Shut Down Wall Street! Not the Government!" And you're right, that it's just been a total distraction for Congress and the people. Anyone watching the media thinking that this is a real thing is very childish, in the face of what is really happening.

So, I just wanted to read a quick quote from your recent paper, "Man Is No Beast" [*EIR*, Aug. 30, 2013], where you say: "It would be foolish of nations today, to assume that the right to govern anyone, or several nations, were merely a matter of a legal contract of some sort. Neither a mere contract, nor the lack of one, could fairly define the truly valid basis for a role of the government of a people. There must be some inherent principle respecting the discovered nature of a self-government of a people. It must be a principle which is inherent in the intrinsically noëtic powers of

the human species. It is those creative powers, as distinct from those of the beasts, which alone define a system of natural law among human beings, and therefore mankind's predetermined rights and obligations."

I thought you could discuss the real role of government, as opposed to how people are acting, as it is right now.

LaRouche: You know, most of our Presidents in the past have been stinkers. They really have! We have very few Presidents who've actually been worthy of the appointment. This is a matter of fact. One of them was Franklin Roosevelt.

Now, Franklin Roosevelt, knowing that, and trying to lead the American people who had been beaten up again and again by swindlers, had to address the people in a way, to get himself elected first of all, and also to maintain his role as President, through the difficult years of an attempted recovery. So, what he had was a series of talks, of Fireside Chats. In these Fireside Chats, he simply stated, again and again and again, and exemplified these statements by illustrations of the points, what his points were, and on this basis, he received the increasing support of the American citizen.

And that was the way the recovery occurred. The moment he was dead, the U.S. Presidency went in the opposite direction. We had a definitive turn for the better later on, with *another* President [John F. Kennedy], who got himself shot, by people on the wrong side of the ticket, inside the United States itself. It was an inside job, to kill this President, and immediately a lot of people, including the Dulles crowd, took over the direction of our Presidency.

And since that time, and since the assassination of Kennedy's brother Robert, there have been Presidents who were not bad. But when you look at the Bush family, and the Bush family history, and some other things like that, you understand *why* nothing seemed to work—why a Bush, another Bush, the son of the guy who put Hitler into power in Germany, took over, in a virtual Vice President job, but then went into an actual Vice Presidency, for two terms, then became a President for one term, after he was almost thrown out. And then another President came in for two terms. And then we had this monster in 2001, which was the 9/11 event. And since that time, we haven't had a decent occupant of the Presidency. That's been the situation.

So, therefore, we have to understand these things, and tell the people *it's the truth!*—as I just summed up some of the highlights of the truth: This is the truth! We had a great President who was assassinated at the beginning of the last century [William McKinley]. Then we had a string of Presidents who weren't worth much, and some who were totally negative. We had nothing until Franklin Roosevelt that was worth mentioning, and after his death, we plunged back into the same kind of crap again for a while. Then we got a President, a former commander in war [Dwight Eisenhower], and he did something to ameliorate the problems, but then Jack Kennedy came in, squired by Eleanor Roosevelt, who was his chief advisor and campaign manager, in fact. And then they killed *him*.

Since that time, there has been no net progress in the conditions of life of the U.S. population—no net progress whatsoever. We have *yet* to have a President who is either willing to, or willing but not able to, because the opposition was too strong. We have not had decent Presidents most of the time of the existence of the U.S. Presidency. We've had skunks, of all kinds, again, and again, and again. We've had assassinations of the best Presidents—not all of them, but most of them who went out, were assassinated, or given something like that treatment.

So, the American people have not had a clear shot. Now we're coming back to the point, that we have to realize, given this, and given the kind of swine that have occupied the Presidential chair, that you have to do a lot of hard work to regain the trust of the American citizen. And that's the first thing that anybody coming into a position of power, or advising power, has to take into account. You have to have a President who the American people can trust, and who they can believe they can trust. And that's what's essential. As Franklin Roosevelt demonstrated, if you do that, you can probably govern effectively—but just don't die on them.

Energy-Flux Density Is the Proper Measure

Michael Steger: As people probably know, the IPCC [Intergovernmental Panel on Climate Change] report—of Climategate fame—has come out today, and the scientists of any decency are running as far away as possible from it. It is a clear fraud. It is *virtual* global warming, virtually, possibly, with high confidence.

Scientifically, this report has been shown as a fraud. There's been no global warming—on this planet, at least—since 1998. We've got an ice sheet growing in the process. But more to the point, is that this entire environmental agenda that was developed *explicitly* in the wake

of John Kennedy's death, to shut down the progress and development that you just referenced, by our great Presidents. In that context, since 2001, we have seen a *doubling* of our electrical rates in the United States, while we've seen a *plummet* of the real income of the American people.

Now you have politicians in all layers of American politics, who have come out and said, "Look, this is not a Great Recession, this is a Great Depression, with a capital 'D.'" And in the same context, we had a member in California, who said he's renounced his membership in the environmental movement, in essence—that this has destroyed the jobs and the livelihoods of his people, and this can no longer stand.



LPAC-TV

Michael Steger denounced the fraud of "global warming," pointing to the fact that, since 1998, we have seen, instead, a cooling of the planet. As a result of the takeover by the Green agenda, there has been a doubling of electrical rates in the U.S.

At the same time, we had a protest of sorts by 20 members of Congress against the recent decisions by the Obama Administration to essentially shut down any new coal plants in the United States, which is 40% today of the electricity of our country. And members of Congress made relevant points: One, this is a depression. Two, this is the basis of manufacturing, and of industry and development, currently in the United States.

But I think the real point—as people know who have been following these webcasts now for nearly a year, and perhaps your work for longer—is that the real question is energy-flux density. And as the recent report by the Basement Team on "Nuclear NAWAPA XXI: Gateway to a Fusion Economy" shows, had we committed to the ambition and ideals of John Kennedy's Presidency, we would today have *doubled*, not our *price* of electricity, we would have doubled the kilowatt-hours *per person* in the United States—that is a much more true metric of profit in a human economy than any games on the New York Stock Exchange, or any other accounting measures.

So I think the question does come down to a question of energy-flux density, and I think it's appropriate for you to address more your sense of this process.

LaRouche: Well, that energy-flux density *is* the proper measure. But you want to get a good grip on that, rather than just treat it as a reply to a question.

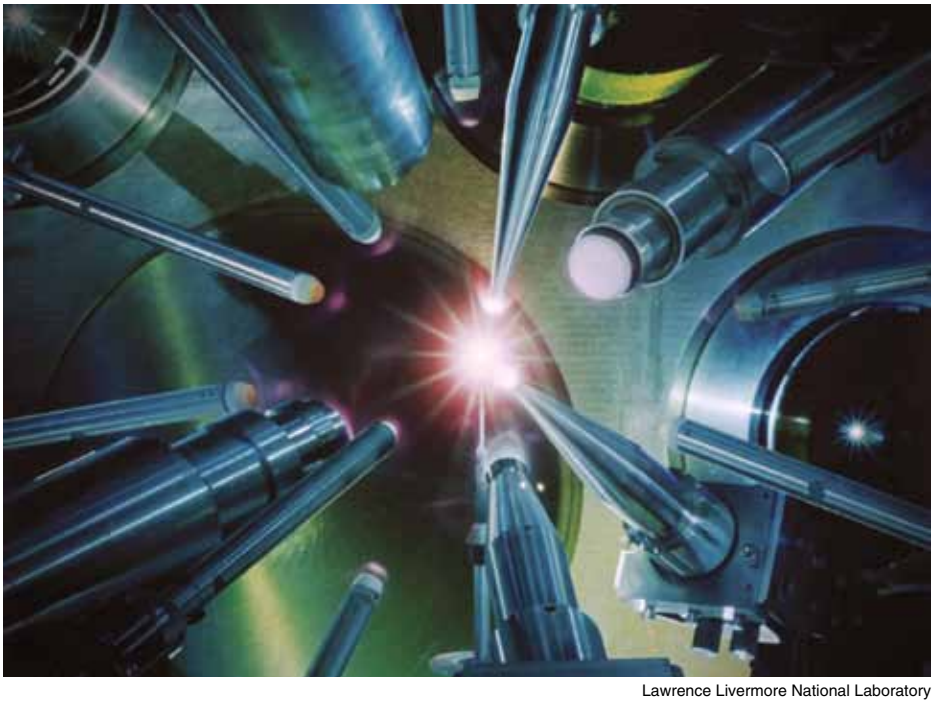
The human species is unique among all living species, and it is that uniqueness of the human species over all *other* living species, which defines the proper approach to that question. For example—you have, as I've said on a number of occasions, but it's worth repeating—mankind emerged, to our knowledge, in southern Africa, which was a convenient climate at that time for that to happen. We don't know exactly where the first man, as man, was born, but we have indications from archaeological evidence, that mankind was discovered, by careful calculations of scientists, was calculated to have used *fire* for cooking his food, her food.

Now, from that point on, mankind has always moved, in general, when successful, up the ladder of thermodynamic growth. And that growth, which went through various levels of chemistry to higher orders of chemistry, has been the defining characteristic of a human society: that you go up the scale, by going to higher forms of energy-flux density. And this is, of course, a doctrine that I've been preaching for a long time. The measure of progress of mankind is energy-flux density, and the usefulness of the form of energy-flux density—a gain.

Thermonuclear Fusion Is the Future

Now, we've come to a point, where the precondition for the future of mankind on this planet—the future precondition—is now *thermonuclear fusion*. Thermonuclear fusion is now the one basis on which to launch the resurrection of the human species to full capability.

And this means essentially now, because Europe is such a mess—made a mess by the euro system, by the British system. And then we have a Queen who is no longer capable of being competent, even if she wished to be, and her last stroke was pretty much incompetence or worse. The whole wretched family is a stinking mess. And you have Prince William, who is sort of a junior to



Lawrence Livermore National Laboratory

"Thermonuclear fusion is now the one basis on which to launch the resurrection of the human species to full capability," LaRouche declared. Shown: the OMEGA fusion laser at the University of Rochester Laboratory for Laser Energetics.

the job, and has not yet been called in to work. I don't know how well he would work, but he's the only one I know of that really is likely to be successful at being a king of the British Empire or something.

So, that's what the point is. So, now we have to look at these things in these terms: *Are we increasing the energy-flux density of the way we generate our sources of power?* If we are not, then we are going *down*. We're going down in the direction of the road to extinction. The alternative now, is you have two ways—higher energy-flux density. Well, there's one thing you can do with it. One thing you can do with it, is to *empower production*: raise the standard of living of the human species; increase the power of defense of the human species against asteroids and things of that nature, which are roaming around looking for suckers. Or, on the other side, we can hope and pray.

So, the best thing we can do, is to concentrate our policy on going toward a *thermonuclear fusion standard* in developing the future economy of the planet. That's what it is. Anybody who has anything contrary to that to say, is an idiot, or a villain of some kind!

Now, we're not going to get controlled thermonuclear fusion right away; it's going to take time to get it, because people have been *sitting* on thermonuclear fusion for a long time. It should have been going into effect in the beginning of the 1970s! It was ready to go into effect about that time—that is, to build the process. And you know, we've had all these decades in which we haven't done anything, or we've gone backwards.

So therefore, we have to have a policy of saying, "We're going to go toward a thermonuclear-fusion drive of empowerment of the trans-Pacific region. Why? Well, because it's there—because we have problems of the water supplies in the United States, from the Mississippi on westward, across the Pacific, and into parts of Asia. And a thermonuclear-fusion program, built up from the beginning now, will lead, in some time, a decade or so, to the time we have a thermonuclear-fusion driver in the trans-Pacific region of the planet, which will spread to other parts of the region. That is the only program of substance which can actually meet the challenge we face now.

And the other side of the thing is, that the *suppression* of controlled thermonuclear fusion, by restricting it to little Tinkertoy kinds of expressions, and not a serious thermonuclear-fusion program: No serious such program exists now. The potential of starting it is there; it will take a number of steps to realize that. But in the meantime, we can organize on the assumption that we're going to *do* that, and empower the planet with thermonuclear fusion. The fact that we make that commitment, means that everybody else can go to work on the assumption that we're going to do that.

And that's where we must go. We must have the actual energy-flux density applicable, in that form, which will meet the goal of securing humanity's existence for the coming future.

This means also the defense of Earth against ugly objects in the Solar System and so forth, which are near us. And any one of these things, if they hit the right way, could knock the whole human species out of existence on this planet.

So, therefore, those kinds of considerations typify

what is necessary for man to do, to save mankind. Anyone who's saying something to the contrary, is either an idiot or a criminal. And you can sort that out for yourselves.

Putin's Wisdom

Ogden: In the interest of putting one world leader in dialogue with another world leader on the stage of history today, I would like to reference some remarks that Russian President Vladimir Putin made at the end of last week, in a discussion that he held at the Valdai International Discussion Club. He identified the deterioration of Western civilization—really, the post-Kennedy-assassination paradigm of decay. And I think Putin's remarks get directly to the point of some of the questions that we're addressing here tonight. I'm going to read just a few excerpts from what he said:

"We can see how many of the Euro-Atlantic countries are actually rejecting their roots, including the Christian values that constitute the basis of Western civilization. They are denying moral principles and all traditional identities: national, cultural, religious, and even sexual.... Without the values embedded in Christianity and other world religions, without the standards of morality that have taken shape over millennia, people will inevitably lose their human dignity. We consider it natural and right to defend these values."

And then later in the speech, he said:

"[Every country] has to have military, technological, and economic strength, but nevertheless, the main thing that will determine success is the quality of citizens, the quality of society: their intellectual, spiritual, and moral strength. After all, in the end, economic growth, prosperity, and geopolitical influence are all derived from societal conditions. They depend on whether the citizens of a given country consider themselves a nation, to what extent they identify with their own history, values, and traditions, and whether they are united by common goals and responsibilities."

My question is: What is it in the *American* national identity that the citizens of the United States must rediscover now, if we are not only to save our own country, but to save Western civilization?

A Commitment to Mankind's Future

LaRouche: This goes back to many centuries, with the existence of Nicholas of Cusa. And Cusa's role actually was rather peculiar in one sense: that he had his own views, in terms of what he was, a priest, and so forth; and he was the most important thinker, scientifically and otherwise, of that entire century. But then, toward the end of his life, he turned it around a bit, and put the emphasis on the future of humanity *outside* of Europe. And he died in the meantime, before anything happened in that direction. But then, what he left behind was a commitment for his followers who lived after him, to develop humanity across the great ocean waters—to get away from Europe, which was hopelessly corrupt, in his opinion—and he was right, totally right. They had gone through a very dark period in the century before that. And while there was a great Renaissance during that period, after that, they nonetheless began to go back into the same old pit again.

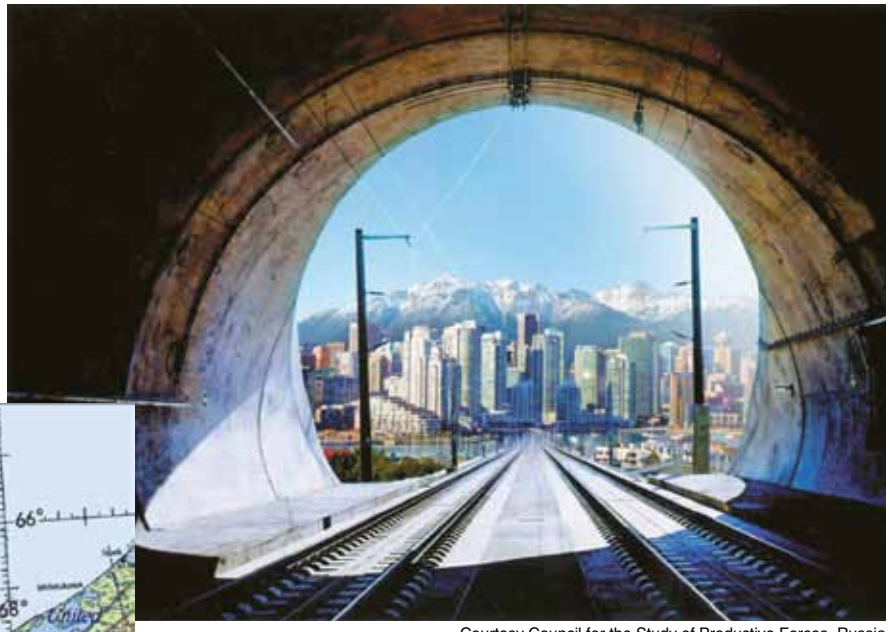
On the basis of that experience, Cusa specified the necessity of sending people from Europe across the oceans, to different continents, where we could save humanity from the kinds of things that were occurring, recurringly, in Europe and the Mediterranean region.

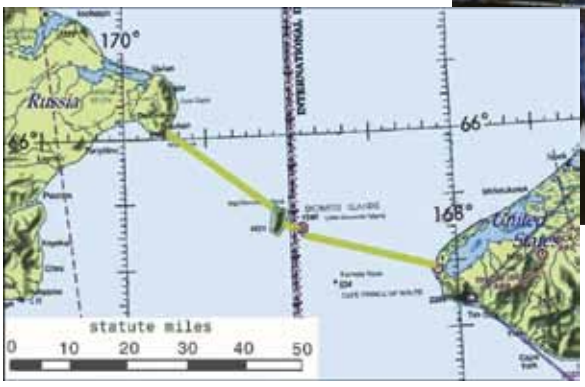
He died, but then Christopher Columbus, who visited places in Portugal—because he was a famous sea captain already of that time—where he met a priest, a bishop, who was a close friend of Cusa. And therefore he was informed, in detail, by Cusa's survivors, and by himself. And then *he* undertook a commitment to carry ships across the Atlantic to found a new nation, a new nationality, on the other side of the Atlantic, from which we could create a new society, purified of the filth which Europe and its civilization had become.

Now, what was done then, was the attempt by Europe—the British, and others, and the Dutch especially—to destroy the development of a civilization across the other side of the Atlantic. And the chief exponent of this was Massachusetts. Massachusetts became the center of the development of the prospect of a new civilization on the other side of the Atlantic. And that was crushed in the 1660s by the Dutch, because the Dutch were actually the bastards who did the dirty work in England, and so forth. Remember, the Dutch royal families moved across the English Channel to Britain, and there they established what was called a *British* empire, which was actually a *Dutch* empire; the British were just the stooges who suffered the whole process.

And so, this has been the history of mankind: the destruction of mankind; the attempt to *save* mankind on the basis of Cusa's initiative as the starting-point; the efforts, again, repeatedly, to try to maintain the United States or the American System; and the crushing of that repeatedly by the drunkards and swindlers

"If we cross the Pacific by way of the Bering Strait," LaRouche said, "we can create, across the Pacific waters, from the Mississippi River westward toward Asia; and there, with thermonuclear fusion as our perspective, we can rebuild the power needed to establish, in that region, the new impetus for the recovery of the ruined, old nations. That has to be a mission." Shown: a proposed Bering Strait Tunnel route; an artist's concept of the Bering Strait tunnel, Forum International magazine (2007).





Courtesy Council for the Study of Productive Forces, Russia

and drug-pushers of the world—they're called the British Empire.

Now this whole system is coming to its end. The power of government has now evolved, to where the power of government lies not only militarily, but also economically, in thermonuclear fusion and the things leading *into* thermonuclear fusion. So, therefore, our mission, then, is to ensure that—not out of selfishness, but out of regard for humanity as a whole—and to use the United States as the instrument to make that possible, because we're really inherently a powerful nation.

And across the Pacific we have neighbors. And these neighbors—there are *plenty* of them out there, still. So, therefore, if we cross the Pacific by way of the Bering Strait and so forth, we can create, across the Pacific waters, from the Mississippi River westward toward Asia; and there, with thermonuclear fusion as our perspective, we can rebuild the power needed to establish, in that region, the new impetus for the recovery of the ruined, old nations. And that's what we have to do. That has to be a *mission*.

Because, you know, the question is this: People think of, what do you want out of your personal life? It's a silly question! Because you're living as a human being, and you're not concerned about *your estate*, not if you're intelligent—your *money*—that's not what you're concerned about. Because you're going to die. Everybody is going to die, apparently. We have not encountered any exceptions to that, so far, in the record.

Therefore, what's the purpose of living, if you're going to die? Because your living, while you live, is a means by which humanity can prosper, if *you* do what you're supposed to do, of your own volition. And that attitude, that commitment, is what's essential: the commitment to the future of mankind—not as some kind of selfish venture. But we have a capability which *we* have, as human beings, and we don't know of any nearby planet which has something similar to what we represent. And therefore, since what we represent, to the best of our knowledge, is the finest thing we know of in the Universe, in terms of living beings, we have to defend ourselves, and also cause ourselves to prosper, on account of *future generations*. We cannot separate our own interest from the generations of the future.

And *there* is where we have to put ourselves. We in the United States have been gifted with a great opportunity, which was generated implicitly by Nicholas of Cusa. That prospered, struggled, was defeated, crushed, came back, again and again. And that's what we have to represent—only this time, we've got to do a slightly better job, and make sure that the successes we create are enduring.

Wall Street Is Out To Kill You with Hyperinflation

The following is a leaflet issued by the LaRouchePAC Policy Committee.

Oct. 1—Wall Street intends to kill millions of Americans with hyperinflation. Quantitative Easing, coupled with the loss of income due to Wall Street's systematic takedown of the manufacturing and industrial base, is the perfect storm for the hyperinflation that is now hitting. Lyndon LaRouche has repeatedly warned Americans about the danger of hyperinflation, particularly since the bailout policy began in late 2008. Since then, he and his associates around the nation have led a fight to bankrupt the Wall Street criminals who have created the bailout/QE swindle, with the reinstatement of Glass-Steagall.

Glass-Steagall is the first step to saving the nation, followed by NAWAPA XXI, with a science-driver program to make a breakthrough on fusion energy. We are now at the point where Bush-League Republican idiots are on a collision course with Obama, forcing our nation into a government shutdown. The only thing we should shut down is Wall Street; and Glass-Steagall is our weapon to do that. That is the only way to avoid the coming storm of hyperinflation.

Since the terrorist attacks of September 11th, 2001, Americans have seen prices double, or more, for many crucial elements needed for life, such as food and energy. Meanwhile, incomes have collapsed for many Americans—even according to the lying statistics put out by both the Bush and Obama administrations. To add insult to injury, since the bailout policy was ushered in, in late 2008, the top 1% of income earners has seen a staggering growth of personal income.

According to a study by economists Thomas Piketty and Emmanuel Saez, since the supposed recovery of 2009 began, up through 2012, ninety-five percent of the income gained went to the upper 1% income bracket. Translated into cold hard cash, that means that on average, the income of an individual in the upper 1% has increased by approximately $1 million over those four years, while the lower 99% income earners have seen their income increase by only about $560 over that same four year period—approximately $11 a month, which would barely cover the inflation for a single tank of gas. The last time that this quality of income disparity existed in the United States was 1928—the year before the Great Crash of 1929.

Where is the outrage? Why has the American population quietly suffered through this increasing hyperinflation like the famous anecdote of the boiling frog? At the beginning of 1923, the population of the Weimar Republic saw their inflation heating up until it broke into a roiling boil in November of that year. Personal savings were wiped out, and despair descended on the German population, which opened the door for Adolf Hitler's rise to power. This is not the time to be frogs or "good Germans," quietly suffering through the hyperinflation until it destroys us.

To get a sense of this hyperinflation, take the case of the increases in a few basic elements needed for any American family since the bailout began: food, gasoline, and rent. Compared to prices at the time of the bailout, in 2012, a family of four had to pay an additional $936/year for food, compared to 2009, according to the USDA's Moderate Food Plan; $2,063/year more for gasoline, taking the Department of Transportation's average household mileage; and $1,968/year more for a three-bedroom apartment, based on an average of the top five metropolitan areas. That means that just for food, gasoline, and rent, a family pays $4,967/year more now versus since the time of the bailout, while their average income has stagnated.

How many families can absorb paying $4,967 more while making the same, or even less, annual income? Of course, that does not even take into account other payments, such as medical bills, prescriptions, heating oil, electricity costs, car repairs, college tuition, etc.

It is time to end the insanity and bankrupt these Wall Street criminals with Glass-Steagall. It is time for Americans to fight, instead of thinking they can make it through just one more month. Our nation requires a new Presidency immediately, and an end to the Bush-Obama era of hyperinflation.

JPMorgan, Obama Meet To 'Solve' Crisis

by Paul Gallagher

Oct. 1—JPMorgan Chase CEO Jamie Dimon is to lead a dozen top Wall Street executives to the White House Oct. 2 to plot "solving" the government crisis with President Obama, less than a week after Dimon met Attorney General Holder to plot escaping criminal prosecution for multiple and grave banking crimes.

Since many of the other CEOs meeting Obama also head banks exposed for the same crimes—Anshu Jain's Deutsche Bank, for example, Brian Moynihan's Bank of America, Lloyd Blankfein's Goldman Sachs—it's outrageous that they should crowd into the Oval Office to aid Obama in taking control of Congress over a debt crisis, which their banking policies created!

The banksters are also to meet Treasury Secretary Jack Lew, House Financial Services Committee chairman Jeb Hensarling, and Senate Banking Committee ranking member Mike Crapo. Other than Hensarling, this White House-Republican combination consists of active opponents of Congress restoring Glass-Steagall, the only measure that can restore banking to economic progress and lawfulness.

In July, Obama and Holder met with top U.S. bank regulators. The focus appeared to be: Do *something*, at least, to create the impression that Dodd-Frank is working, or we may not be able to stop Congress from re-enacting Glass-Steagall. Since then, great publicity has been given to multiple investigations and fines of JPMorgan Chase. CEO Dimon, who, in 2012, publicly called Dodd-Frank "idiotic," has recently told two interviewers it is "all we need," and supported it against the prospect of Glass-Steagall's restoration.

The *already well-exposed* crimes of these co-responsibles of Obama, include massive mortgage securities fraud, rigging the LIBOR interest rates, fixing electricity, aluminum, and other commodity prices, and raping municipalities worldwide with "interest-rate swaps." They have also continuously cut their lending to the economy in the five years since they were first bailed out, despite having record deposits to lend, and *continuous* bailouts by the Federal Reserve's "quantitative easing" money-printing policy.

So although the banksters intend to make sure that Obama and Lew do not allow Congressional Republicans to force a U.S. default in late October, they also met some of those Republicans. The likely subject was concessions—supported by Obama—to be demanded from Congressional Democrats, on banking deregulation (no Glass-Steagall) and corporate tax "reform."

Does Morgan Do Any Banking?

JPMorgan Chase, the largest U.S. bank by assets and deposits, has only 38% of its assets in loans, while the national banking average is 72%, and that in itself is a record low level. Morgan throws its huge deposit base and liquidity from Fed bailout operations, into the securities and repo-derivatives markets with abandon, shown in the "London Whale" derivatives scandal to be unlawful as well as super-speculative. The bank "gave up" two lower-level London derivatives traders to criminal prosecution for this.

Dimon, in his Sept. 26 meeting with Holder, reportedly refused any admission of criminal conduct by his top executives, in what was clearly huge mortgage securities fraud in the mid-2000s, leading to the 2007-08 bank crash, bailout, and devastation of the economy. Even the $11 billion in fines Morgan is now offering to pay, is much smaller than the scale of losses caused by that securities fraud.

Sen. Carl Levin's Permanent Investigations Subcommittee proved exactly the same crimes by Blankfein's Goldman Sachs, in public hearings and an exhaustive investigative report, in 2010; Levin referred the findings to Holder and Obama for prosecution—and nothing happened. Goldman was fined $500 million!

The *Wall Street Journal* reported Oct. 1 that a JPMorgan Chase employee, with first-hand proof of *witting* mortgage securities fraud by senior management, has been cooperating with U.S. investigators for 18 months. At least one U.S. government department involved asked for a fine double what Dimon has now offered to pay, one which would wipe out Morgan's entire loan-loss reserves and hit the bank hard.

These two investigations, both criminal and civil, do not include Morgan's economically destructive holdings of commodities, and resulting gouging of electricity prices in California and the Midwest.

This is the man, with fellow banksters, working with Obama to manipulate Congress, and to stop Glass-Steagall.

ZEPP-LAROUCHE UN APPEAL

Call on World Leaders To Replace Globalization Now!

Sept. 30—*The stakes were extraordinarily high going into the current session of the United Nations General Assembly in New York, where the tentative agreement made between the United States and Russia to avert a military strike on Syria had to be confirmed by a divided UN Security Council. Fortunately, President Obama was sufficiently boxed in, that he—and his fellow warmongers in France and Great Britain—acceded to Russia's insistence that no automatic threat of force against Syria be included in the Security Council solution, and the process of negotiations to resolve the crisis moved forward.*

The resolution finally approved on Sept. 27 hewed precisely to the terms that had been agreed upon by Secretary of State John Kerry and Russian Foreign Minister Sergei Lavrov a few weeks before, and noted that "violations" of the agreement, and "the use of chemical weaons by anyone will have to be carefully investigated by the Security Council … which will impose penalties only in the event that violations are serious enough to merit punishment," and are "proven by 100 percent." Significantly, the resolution did not specifically blame the Syrian government for the use of chemical weapons—and the Russians continue to put out their information that it was the rebels who were responsible for a number of chemical weapons attacks, including in the Damascus suburb of Ghouta.

Even more extraordinary were the developments around Iran during the week's UNGA session, as the newly elected Iranian President Hassan Rouhani engaged in a round of high-level diplomacy with U.S. institutions, including a phone call with President Obama, and a date for new P5+1 negotiations was finally set (see following article).

Such positive motion opens the door for agreements that can bring lasting progress, and Helga Zepp-LaRouche's Schiller Institute deployed aggressively to show how that could be done. On Sept. 25, Zepp-LaRouche issued an "Urgent Appeal to the UN General Assembly," which we reproduce here.

An Urgent Appeal

We all know that the current economic order in the world only allows a very small percentage of the population to live a life of luxury, that only a relatively small percentage live decently, that many languish in inhumane poverty, while what Pope Francis called "hidden euthanasia" is widespread.

Only a few people know that, just a few weeks ago, mankind avoided, by a hair's breadth, the danger of extinction in a thermonuclear war, because that would have been the consequence of an escalation following a U.S. military strike against Syria.

Both of these dangers, which threaten the very existence of the human species, are ultimately the result of the economic system of globalization, in which "anon-


بهار

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روزنامه صبح ایران

«گذشته» نماینده ایران در اسکار شد

هفت سال آبشار کوبیده پس است

روی موج «دیپلماسی تلفن»

نظر به تاکید بر حق هسته ای ایران؛ برای توافق با آمریکا تایید رهبری را دارید

گفت‌وگوی روحانی - اوباما، خشنودی میانه‌روها و نگرانی تندروهای داخلی و خارجی را در پی داشت

سوغات نیویورک

صدا و سیما و خبر گفت‌وگوی تلفنی

جناب آقای دکتر سید جعفر سرلشتی

The Iranian daily Bahar ran this front-page coverage of the diplomatic breakthrough in U.S.-Iran relations and expresses great optimism about the Iran-U.S. opening; it also states that the Supreme Leader, Khamenei, is fully behind Rouhani's diplomacy.

ymous decisions"—signed by high-level officials—sacrifice man's unique dignity and his life to Mammon, the god of lucre.

The diplomatic initiative around Syria raises the hope that the danger of a regional, and possibly, world war has been once again averted. But as urgent as war-avoidance is, it is not enough. If we, as a species, are to have a future, we need a real perspective for peace, a completely new paradigm, that leaves behind, once and for all, the geometry of solving crises through war, and replaces it by defining the common aims of mankind.

Is it not in the interest of all people on this planet to ensure energy security and raw-material security as quickly as possible, and by so doing to overcome an essential cause of hunger, and of the danger of war? Is it therefore not in the interest of all people and all nations to launch the best possible crash program for the use of thermonuclear fusion, along the lines of the "Manhattan Project" for developing the atomic bomb during the Second World War, but this time for peaceful purposes, and for the good of all mankind?

Likewise, it is high time to put the legitimate demand of the Non-Aligned Movement for a just world economic order back on the agenda. Such a new order could begin with the proposal of Chinese President Xi Jinping at the latest SCO conference, to build the new Silk Road as the basis for peaceful cooperation among all the countries along that route. This proposal is totally in line with the proposal for a Eurasian Land-Bridge that the Schiller Institute advanced beginning in 1991, in reaction to the disintegration of the Soviet Union. That

concept has been expanded, in the meantime, to a World Land-Bridge to bring people together, which has gained many friends and supporters throughout the world. Such a worldwide infrastructure and development program would hoist us onto the next higher economic platform, where hunger and underdevelopment could be eliminated forever.

If the nations united in the UN General Assembly decide to replace the profoundly immoral and unjust system of globalization by an order based on an alliance of sovereign republics—in the tradition of John Quincy Adams—to work together in the common interests of mankind, our civilization can enter, consciously, into the next phase of evolution.

Why should that not be possible? We are the only creatures who, thanks to human creativity, can consciously improve the basis of our existence through scientific and technological innovation, and thus raise our living standards and life expectancy. Likewise, we are the only species which can scientifically determine with precision where the next step of research into the physical order of Creation must lie, to ensure the continued existence of our species in the universe.

The Earth is not a closed, entropic system of finite resources. Our Solar System and our galaxy are only a tiny part of the Universe, which develops itself anti-entropically. What is wonderful about our order of Creation is that there exists a verifiable concordance between the laws of the macrocosmos—the Universe—and of the microcosmos—our creative reason—which is expressed in the physical power of our immaterial ideas.

What we need today, more than anything else, is a tender love for mankind, an audacious vision for the future which looks at our planet from the perspective of astronauts and cosmonauts who see no borders, but only one mankind, while at the same time looking to the stars.

Friedrich Schiller said as much in his poem, and Ludwig van Beethoven in his 9th Symphony put those words to music:

"Every man becomes a brother, . . .
Take this kiss throughout the world!
Brothers o'er the stars unfurl'd
Must reside a loving father."

Our tormented mankind needs courageous leaders, committed to the mission of leading the world out of the danger zones of destruction into a better future, which is within reach!

U.S. and Iran Open Diplomatic Track

Sept. 30—In his public announcement of the short phone conversation between President Barack Obama and Iranian President Hassan Rouhani—the first contact between an American President and an Iranian leader since 1979—Obama announced that he had directed Secretary of State John Kerry to pursue active diplomacy with Iran, and added:

"I do believe that there is a basis for a resolution. Iran's Supreme Leader has issued a fatwa against the development of nuclear weapons. President Rouhani has indicated that Iran will never develop nuclear weapons. I have made clear that we respect the right of the Iranian people to access peaceful nuclear energy in the context of Iran meeting its obligations. So the test will be meaningful, transparent, and verifiable actions, which can also bring relief from the comprehensive international sanctions."

The U.S. President's announcement came following a week in which the Iranian President and his foreign minister engaged in a number of public appearances with leading U.S. institutions and media outlets, where they put forward their own ideas for reaching a deal on the so-called nuclear issue with the United States. At the same time, a session of the UN negotiating team for Iran, the so-called P5+1 (the U.S., France, Great Britain, Russia, China, and Germany), held Sept. 26 in New York City, resulted in the scheduling of the next session with Iran for Oct. 15 in Geneva.

A meeting between Kerry and Iranian Foreign Minister Javad Zarif after the P5+1 meeting apparently led to an outline of a set of specific confidence-building steps to be taken by both sides, according to a senior U.S. intelligence source. The source reported that, while the contents of the Kerry-Zarif talks will be kept secret, some details are known. Kerry conveyed that the United States does not intend to carry out regime change in Iran. The United States is prepared to lift sanctions on a reciprocal basis for every step that Iran takes toward verifiably ending any nuclear weapons program. Zarif indicated that Iran would be prepared to provide details about their pre-2003 weaponization program, which has been completely shut down since

then. The United States would begin by lifting certain sanctions that cut off the flow of oil revenues to the Iranian government, and would take other measures that could immediately increase Iranian oil exports by 500,000 barrels per day.

Previous talks between Iran and the U.S. have been sabotaged from both sides. The Iranian side's opposition has roots in both ideological fanaticism, and in reactions to the repeated false accusations and vehement hostility from the West. On the U.S. side, sabotage has been carried out through both the murderous tightening of sanctions, and the refusal to admit Iran's right to nuclear enrichment, as part of its right to peaceful nuclear energy.

Thus, the open discussion by the U.S. of the potential for incrementally lifting sanctions, in response to Iranian actions on its nuclear program, and of Iran's inherent right to enrichment, represents a significant shift. For his part, Zarif not only reiterated Iran's commitment not to seek nuclear weapons, but also agreed that issues such as shutting down the Fordo reactor, expanding inspections, and renouncing 20% enrichment would be on the table.

Another indication of the seriousness of what both sides have called a slight thaw in a 35-year chill, is the fact that both the U.S. and France are discussing the possibility of Iran participating in the expected Geneva II conference on resolving the Syria crisis. Iran's involvement has long been advocated by the Russians.

There was immediate opposition in both the U.S. and Iran. The loudest protest has come from (de facto British puppet) Israeli Prime Minister Benjamin Netanyahu, who met in Washington with Obama today, and who is expected to stamp his feet during his address to the UN General Assembly on Oct. 1. But even Netanyahu does not have unanimity within his government, as a commentary by his Finance Minister Yair Lapid on Sept. 25 showed. Lapid criticized Netanyahu for demanding that the Israeli delegation walk out during the Iranian President's address to the United Nations.

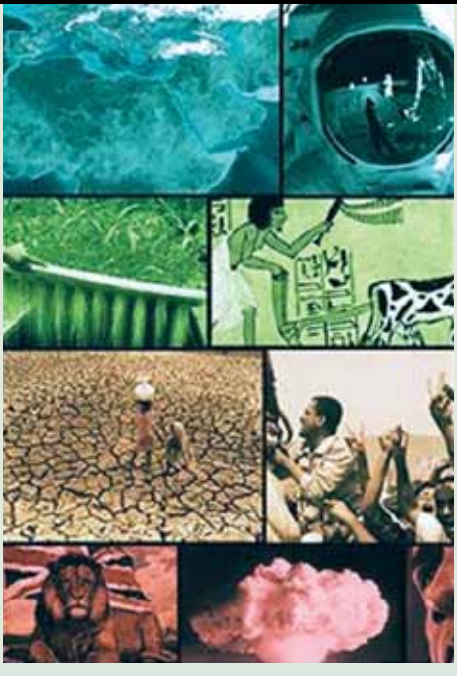
In the U.S., the war faction is also blustering, but the actions of institutions such as the Council on Foreign Relations and the Asia Society, in hosting the top Iranian spokesmen, indicate that the momentum for negotiations is picking up steam. Whether Obama could be compelled to abjure the war path, is not at all clear.

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German Elections

Scandalous Fraud Against the Voters

by Helga Zepp-LaRouche

Sept. 27—The author is the national chairwoman of the Civil Rights Solidarity Movement. The party's TV campaign spot is available at BueSo.com.

Given the almost total top-down control of the media in Germany, which cares less about the citizen's right to information and certainly not about the truth or ideas overall, but rather sees itself as the steward of powerful interests, designing an election campaign was not so easy. Since the so-called "small" parties were granted only a ridiculous 90 seconds on TV for a campaign broadcast, one had to choose, from the many extremely important issues, the one that the voters must absolutely be informed about.

The key topic was, without a doubt, the planned expropriation of the population in the new outbreak of the banking crisis, which is expected soon. This will occur according to the "Cyprus model" for so-called "bail-in" of the banks, for all of Europe and the United States. So I devoted the precious 90 seconds of the BüSo's TV spot to this "Cyprus template," as Jeroen Dijsselbloem, the president of the Eurogroup [Eurozone finance ministers], called the "haircut" for the people of Cyprus. And of course, I also laid out the real solution to the financial crisis, a two-tier banking system in the tradition of U.S. President Franklin D. Roosevelt's Glass-Steagall Act.

Although the "bail-in" directive was already developed long ago by the European Commission[1] and backed almost completely by the European Parliament, and although all Germany's parliamentary parties know about this and endorse it, not a single one of them devoted so much as one syllable to the "bail-in" during the election campaign. But BüSo activists raised the issue in many panel discussions and debates, and briefed



Helga Zepp-LaRouche, speaking on the BüSo's televised campaign spot. The graphic says "Economic Casino."

people on the growing support for the Glass-Steagall Act, especially in the United States. This made it crystal clear that representatives of the parliamentary parties were either well informed about the existence of this expropriation law, but wanted to keep it out of the discussion at all costs; or they were pretending not to know anything about it, which naturally also disqualifies them as representatives of the people's interests.

Exactly four days after Election Day (Sept. 22), the "HR Info" program on Hessischer Rundfunk [public broadcasting station] aired a three-part program about the power of the banks in Europe. In the third segment, they explained the concept of the bail-in to some extent, referring to the already adopted position paper of the Swiss Financial Market Supervisory Authority (FINMA).[2] If a bank runs into financial difficulties, the bail-in occurs according to a creditor hierarchy: The shareholders come first, then other banks that lent the bank money, then bondholders, then holders of convertible bonds, and—if there is anything left—the depositors. Deposits up to EU100,000 remain protected, they say.

But this is also a lie. First of all, the outstanding derivative contracts of the international "too big to fail" (TBTF) banks, estimated at EU1.4 trillion, are many times larger than total bank deposits, and second, the example of Cyprus shows that the entire population is impoverished by the bail-in. If a company's working capital is more than EU100,000, it may no longer be able to pay its employees and its bills, so the effects

1. See Helga Zepp-LaRouche, "An Appeal to Citizens of Germany: European Commission Readies Bail-In Law To Grab Citizens' Bank Deposits," *EIR*, May 31, 2013—ed.

2. See Claudio Celani, "Swiss Bail-In Scheme: Stealing Half a Trillion Euros from Depositors," *EIR*, Aug. 23, 20213—ed.

could ravage the entire economy.

But, of course, this HR broadcast also did not say explicitly that the bail-in is intended for all of Europe and the United States. Apparently the citizens who had just cast their votes are deemed better off getting used to the fate that awaits them in homeopathic doses. With the expropriation measures threatening to take effect in the near future, the scandal continues to grow. After all, the situation on the financial markets is so tense that the Fed, at the recent meeting of the Federal Open Market Committee, did not dare to adopt the previously announced "tapering" of the quantitative easing policy, for fear of bringing about the collapse of the system. In other words, the hyperinflationary increase of liquidity continues unabated.



EIRNS

A BüSo press conference in Berlin, August 2013. The banner reads, "The common good, not fascism." The BüSo was the only party that raised the issue of the EU's bail-in policy during the election campaign.

'Post-Democracy'

If the current coalition negotiations in Germany lead to a Grand Coalition with an almost 80% majority in parliament, this government would have the required two-thirds majority to adopt any constitutional amendment deemed appropriate by the financial elite. But other coalition combinations also offer no reason to breathe a sigh of relief, since previous votes in support of EU policies often carried with 80% majorities, or even more.

Journalist Thomas Trares, writing just before the election, quoted from a book by British political scientist Colin Crouch, entitled *Post-Democracy*, and commented that this precisely describes the situation in Germany now with Chancellor Angela Merkel. Crouch wrote:

"Under this [post-democratic] model, while elections certainly exist and can change governments, public electoral debate is a tightly controlled spectacle, managed by rival teams of professionals expert in the techniques of persuasion, and considering a small range of issues selected by those teams. The mass of citizens plays a passive, quiescent, even apathetic part, responding only to the signals given them. Behind this spectacle of the electoral game, politics is really shaped in private by interaction between elected governments and elites that overwhelmingly represent business interests."

In the recent federal election campaign, the only problems discussed were those chosen by PR experts. Day-care centers or child-care benefits, adoption rights for gay couples, parking tolls, etc., may be important issues for those affected, but the question of whether there will be economic devastation *à la* Cyprus, to the benefit of financial gamblers and banks, plunging the entire trans-Atlantic region into misery and chaos, or a Glass-Steagall Act, which allows the start of economic construction, is infinitely more important. And this existential issue was addressed only by the BüSo.

The choice now comes after the election. The BüSo is determined not to accept the transition from post-democracy to an outright dictatorship, but to bring to Germany the momentum for Glass-Steagall, which is massively increasing, especially in the U.S., and to return our country to a nation of poets and thinkers.

Translated from German by Susan Welsh

After the Election: Instability Remains

by Our Wiesbaden Bureau

Sept. 30—A week after Germany's parliamentary elections on Sept. 22, the political situation is still unstable. Although Angela Merkel's Christian Democratic Union/Christian Social Union (CDU/CSU) received 41.5% of the vote, against 25.7% for its nearest competitor, the Social Democratic Party (SPD), the CDU/CSU still lacks a parliamentary majority and therefore is obliged to form a coalition government. That is proving to be easier said than done.

Given the quarrels among the parties, President Joachim Gauck took the unusual step of inviting the leaders of all parties elected into parliament for individual consultations. Formally, if coalition talks should fail, the President has to decide on the dissolution of parliament and new elections.



Bundesregierung/Denzel

Christian Democrat Angela Merkel on the campaign trail in Ehrenhof, Aug. 25. Her euphoria over her party's winning the highest margin of votes in the Sept. 22 election now gives way to battles over how to form a coalition. None of the parliamentary parties offer solutions to the voters.

No Real Choice

All the parliamentary parties are in favor of the euro system and bank bail-outs and bail-ins, against nuclear power and for "renewables." The only party that offered a real alternative, the Civil Rights Solidarity Movement (BüSo), headed by Helga Zepp-LaRouche, did not clear the 5% hurdle required to enter the parliament. That requirement was also not met by the Free Democratic Party (FDP, which was in Merkel's coalition in the previous government, but got 4.8% this time) and the new, fake "anti-euro" party, the Alternative for Germany (AfD, with 4.8%), whose main function was to draw votes away from the BüSo.

All coalition options are equally poor for the citizens of Germany. A "Grand Coalition" of the CDU/CSU and SPD would have a majority large enough to change the Constitution in favor of even greater "Europeanization" of Germany, to the detriment of national sovereignty, should the financial oligarchy demand it. Among SPD voters, 56% support a Grand Coalition according to one poll, but several powerful sections of the party oppose the idea. Other options are a CDU/Greens coalition (the Greens got 8.4% of the vote), or an SPD/Greens/Left Party (the Left—die Linke—got 8.6%).

One significant outcome was the relatively low voter turnout: 71.6%, in a country where turnout is traditionally very high (the postwar high was 91.% in 1972; in 1998 it was 82.2%, and in the last election, in 2009, it was 70.8%). Of those who did vote, 15.7% voted for parties that are not now in parliament. The upshot is that the parliamentary parties represent only 55% of the national electorate: Politics has been alienated from the people, and vice versa.

Another unusual feature was widespread "irregularities" in the election, which is not often seen in a country which has been considered very "correct" in these matters, and frequently lectures others on how they should hold fair and correct elections. Absentee ballots were "lost" in several cities (some were found later at the post office, and in Essen, several sealed bags stuffed with ballots were found in an elevator); in Oberhausen, some voters received 2009 ballots. The Federal Election office says it is investigating all such claims, but that it is not possible to "reconstruct every single case afterwards." The scandals are doing nothing to improve the electorate's trust in their political leaders.

Africans in Revolt vs. International Court

by Lawrence K. Freeman

Sept. 25—Led by the Ethiopian Prime Minister, the Ugandan President, and the Kenyan Parliament, a growing chorus of voices is being raised, and actions are being taken, against the International Criminal Court (ICC), including efforts to have the 34 African nations that signed the Rome Statue creating the ICC, remove themselves from the racist, globalist institution. Eleven years after the ICC was established in 2002, all eight cases the Court has investigated and tried involve African countries.

This movement against the ICC coincides with increasing demands by the West, led by the U.S., Great Britain, and France, to militarily intervene against nations under the pretext of "responsibility to protect—R2P" first called for by former British Prime Minister Tony Blair. Liberal hawks demanding military interventions based on so-called "humanitarian" concerns, such as U.S. Ambassador to the United Nations Samantha Power and National Security Advisor Susan Rice, helped persuade Blair acolyte President Barack Obama, to invoke R2P for the purpose of overthrowing Libyan President Muammar Qaddafi. That illegal action has all but turned Libya into another Somalia-like failed state, ungovernable, and dominated by various al-Qaeda-linked militias. The disintegration of Libya has also wreaked havoc throughout the Sahel, by providing insurgents with modern weapons from Libyan arms depots.



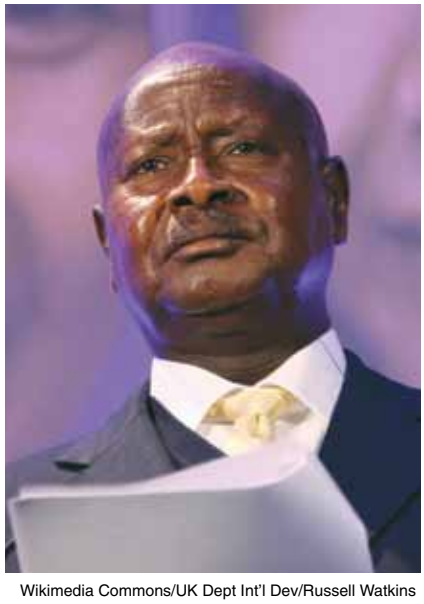
Wikimedia Commons/World Economic Forum

Ethiopian Prime Minister Hailemariam Desalegn accused the ICC of having "degenerated into a political instrument targeting Africa and Africans.'

The anti-ICC counter offensive includes the following:

• On Sept. 25, Ethiopian Prime Minister Hailemariam Desalegn, the rotating chairperson of the African Union, in his address to the 68th session of the UN General Assembly, accused the ICC of having "degenerated into a political instrument targeting Africa and Africans." He also criticized the Security Council for refusing to even respond to a request "to defer the proceedings initiated against President al-Bashir" of Sudan. Hailemariam went on to say that the decision of the ICC to try Kenyan President Uhuru Kenyatta and Deputy President William Ruto was "adversely affecting the ability of the Kenyan leaders in discharging their constitutional responsibilities."

• On the same date, Ugandan President Yoweri Kaguta Museveni, in his address to the UN General Assembly, had this to say about the ICC: "The latest manifestation of arrogance is from the ICC in relation to the elected leaders of Kenya. Many African countries supported the setting up of the ICC because we abhor impunity. However, the ICC in a shallow, biased way, has continued to mishandle complex African issues. This is not acceptable. The ICC should



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Ugandan President Yoweri Kaguta Museveni: "Many African countries supported the setting up of the ICC because we abhor impunity. However, the ICC, in a shallow, biased way, has continued to mishandle complex African issues. . . ."

stop. Our advice to them is from very capable actors who know what they are doing and saying. Kenya is recovering. We know the origin of past mistakes. The ICC way is not the right one to handle those mistakes."

• Dr. Nkosazana Dlamini-Zuma, chairperson of the African Union Commission, in answer to a question at the "Africa Brain Trust" seminar of the Annual Legislative Conference of the Congressional Black Caucus in Washington D.C. Sept. 20, said that the AU had asked the UN Security Council to defer the ICC action against Sudanese President Bashir because he was an important factor for peace in Sudan. Zuma explained that there cannot be justice without peace, and that Bashir was necessary to help bring about peace.



Wikimedia Commons/US State Dept/Michael Gross

Dr. Nkosazana Dlamini-Zuma said that the African Union had asked the UN Security Council to defer the ICC action against Sudanese President Bashir because he was an important factor for peace in Sudan.

• On Sept. 10, following discussions among the foreign ministers of Kenya, Uganda, Rwanda, and Ethiopia, Ethiopian Prime Minister Hailemariam sent a letter to the ICC arguing that it should allow the cases against Kenya's President Kenyatta and Deputy President Ruto to be tried in Kenya. According to *The EastAfrican,* if the African states which are pressuring UN Secretary General Ban Ki-moon and the Security Council to act on their behalf against the ICC "fail to negotiate concessions . . . they will consider withdrawing from the ICC en masse." African states may also decide to bring the issue before the General Assembly.

• Kenya's parliament, on Sept. 5, voted to leave the ICC. However, for this to become official, it would have to be signed by President Kenyatta, and would take one year to go into effect. Thus, it would not affect the current ICC trials of Kenya's leaders.

• At the initiative of Ugandan President Museveni, the AU will have an extraordinary Heads of State summit in October for the sole purpose of discussing "Africa's relationship to the ICC," where a mass withdrawal of the 34 African nations from the ICC could be on the agenda.

A Weapon of the British Empire

The ICC is an instrument of the British Empire created by the former Nazi collaborator George Soros and his crony in overthrowing governments since 1986, Lord Mark Malloch-Brown, former U.K. Minister of State for Asia, Africa, and the United Nations (2007-09).[1]

Without the efforts of billionaire Soros, the ICC, a private organization, would not exist. British agent Soros financed the organizations that lobbied and organized for the ICC; Soros crony, Luis Moreno-Ocampo of Argentina, was the Court's chief prosecutor, 2003-12.

The "Court" answers to no one—it was designed by the British Empire in precisely that way. It operates outside the authority of the UN or any sovereign nation-state. The ICC required funding from private interests, and speculator Soros was at the top of the list.

The three primary funders of Court, as of 2009, were: George Soros, through his various organizations, including the Open Society Institute, Human Rights Watch, and the Soros Foundation; the British Empire, through the U.K.'s Foreign and Commonwealth Office, where Soros's former business partner Malloch-Brown served from 2003-09; and the European Union's "European Instrument for Democracy and Human Rights," whose initiatives are enmeshed with and co-managed by the Soros apparatus.

The creation of the ICC was never lawful and remains in violation of the sovereignty of nation-states. It would be more than appropriate for African nations to bring about its demise. It has already existed far too long.

lkfreeman@prodigy.net

1. For more on the ICC, see Lawrence Freeman, "Fraudulent Indictment: British Imperialists Launch War on Sudan's Sovereignty"; Lyndon LaRouche, "Is George Soros a Modern Rumpelstiltskin?; and "The ICC: British Imperialist Tool," *EIR*, March 13, 2009.

Will U.S. Let Europe Fall Under New Dictatorship?

by Nancy Spannaus

Oct. 1—The contrast couldn't be starker. While the premier U.S. scientific laboratory Oak Ridge announced layoffs of 11% of its staff, the South Korean government reported at the International Astronautical Congress in Beijing on Sept. 28 that it was upping the schedule for its planned Moon landing by five years. Similarly, while Germany faces dramatic increases in energy prices, following its decision to "exit" nuclear energy, China is producing nuclear plants at a rapid clip, presently, 29 in process.

This contrast represents the difference between the trans-Atlantic region, whose people are now being crushed under a monetarist dictatorship, and the Pacific region, which, despite enormous handicaps, is striving to achieve real progress in scientific and technological growth. In Asia, we see the impulse for life, in the U.S. and Europe, the capitulation to death.

Yet, without saving the scientific and technological capacity of the trans-Atlantic region, ultimately, the entire world economy is doomed. What is needed immediately is action by the United States to free the world from the British financial empire by enacting Glass-Steagall, thus setting into motion the process of freeing the *world* from that empire's crushing illegitimate debts, and unleashing a crash program for a new industrialization based on fusion power, and major infrastructure projects.

European Dictatorship

Step by step, from the Maastricht Treaty, to the Lisbon Treaty, to the European Union of today, the Anglo-Dutch financial oligarchy has destroyed the sovereignty of the nations of Europe. Nations have increasingly ceded the right for budgetary and investment decisions to the central EU authorities, to the point of making their parliaments virtually meaningless.

The next step in this consolidation of the European-wide dictatorship is what is called the Banking Union, which would take banking decisions out of the hands of national institutions. This Single Supervisory Mechanism, located in the European Central Bank, has been approved by the EU heads of state and government, but numerous details have not been agreed upon.

On the agenda once this is completed, EU officials openly state, is the application of the Cyprus model of "bail-in" to the European banking system as a whole, currently scheduled to come into effect in 2018. "Bail-in," also known as the "bank resolution mechanism," calls for "resolving" the financial shortfalls of troubled banks (which is virtually all of them), by confiscating the accounts of not only shareholders and bondholders, but also depositors. While allegedly limited to "uninsured" deposits over EU100,000, the "bail-in" process, in reality, calls for grabbing everything available—and killing the economy, not to mention any confidence in the banking system as a safe place to keep your money.

EU officials are currently pushing hard to speed up the Banking Union, in order to be able to use the "bail-in" procedures. Luxembourg Central Bank head Yves Mersch, in a speech in Frankfurt, Germany Sept. 26, declared that "We should push for a start date of 2015 for bail-in so that we have the full resolution toolbox available from the outset." He also attacked the fact that national authorities had been given certain powers to exempt some classes of liabilities from bail-in. He wants everything on the table to be looted, so as to save banks that have run up gambling debts in the trillions—and refuse to invest in the physical economy.

In fact, the debts are so large they could never be paid; but populations can be decimated and nations destroyed.

Constitutions Be Damned

The destruction of the European populations has been dramatic, with the most visible targets being the Southern European nations of Greece, Spain, and Portugal. Diktat after murderous diktat has been imposed by the so-called Troika (the European Central Bank, the IMF, and the European Commission) on these nations, with demands for wage cuts, firings, service cuts, and governments compliant with these demands. The result has been a disastrous increase in suicides, poverty, unemployment, and the death rate.

It hasn't been an easy ride. As the *Wall Street Journal* complained in an article Sept. 28, constitutional court decisions in Portugal, Spain, and Greece, upholding their constitutions' protections for workers, have placed obstacles in the Troika's way. The problem, the *Journal* complains, is that "constitutions written in the aftermath of war and dictatorships underpin social protections across much of Europe."

The *Journal* is actually just regurgitating J.P. Morgan's earlier call for fascism in a May 28, 2013 report "The Euro area adjustment: about halfway there," which pronounced: "The constitutions and political settlements in the southern periphery, put in place in the aftermath of the fall of fascism, have a number of features which appear to be unsuited to further integration in the region."

The *Journal* article complains that the constitutions are getting in the way of laying off workers at the rate demanded by British Empire genocidalists. For example, Portugal's Constitutional Court decided Sept. 26 that the government's attempt to change the labor code to make it easier for companies to lay off workers was illegal, because the Constitution says a just cause is required. On Sept. 25, retirees marched in Lisbon to protest the government plan to slash public-sector pensions by 10%. Over the last five months, the article chronicles, the Constitutional Court has shot down four separate government measures, including taxing unemployment benefits and reducing wages and pensions.

Former Portuguese Finance Minister Medina Carreira protested that "to fulfill what the [judges] want, we need to leave the euro," noting that the foot-dragging raises the question about whether Portugal "can regain the trust of bond investors and avoid a second rescue package." J.P. Morgan economist Alex White concurred: "In several cases local political norms seem incompatible with euro-area membership in the long term."

An even more turbulent process is underway in Greece, where, over recent weeks, a murder, an assassination attempt, and blatantly illegal political manipulation have been carried out in an attempt to suppress the legal opposition to austerity, and to maintain by unconstitutional means a government that has loyally submitted to the Troika's demands. *EIR*'s correspondents recently visited Greece, and will report on their findings in the next issue of *EIR*.

Italy is also on the chopping block, with a new government crisis provoked by the pullout from the government of the PDL (the part of former Prime Minister Silvio Berlusconi) faction. The EU is determined to maintain Italy's "state of necessity" government, which demands more grinding austerity, and thus to avoid elections. The fact is that if there are early elections, the anti-euro, anti-austerity vote might bring about a decisive shift.

Restore Nation-States

There is no hope for Europe, as long as the Empire's EU dictatorship remains in place, and national institutions have been weakened to near extinction. But, as organizing by the LaRouche movement has shown, there are significant numbers of people in all nations, waiting to seize upon an opportunity to restore their sovereignty, and resume progress. What they require, and are waiting for, is decisive action by the United States, to throw off the yoke of the financial Empire, with Glass-Steagall and its necessary followup.

That will be the clarion call for the decisive shift, where the U.S. and Europe will join with the Pacific nations on the pathway to scientific progress once again.

Globalization, Speculation Threaten Canadian Agriuculture, Grain Production

by Matthew Ehret-Kump

Sept. 29—Globalization has wreaked havoc on the physical-economic potential and sovereignty of every nation in the world, and Canada is no exception. In the process which began with the 1971 takedown of the Bretton Woods system, and which accelerated under NAFTA, the North American economy has become subjected to the "monetization" of food production, to the point that vast cartels, such as Cargill and Archer Daniels Midland, have destroyed much of small and medium-size agriculture, and the industrial enterprises which once served as the backbone of that economy.

In spite of this, Canada remains a vital producer of global foodstuffs, and is key to a global economic recovery. Although much of Canada remains underdeveloped, it is nonetheless the world's leading producer of Canola, lentils, and peas, and ranks fifth for wheat, sixth for pork, and seventh for soybeans. The five major grains and seeds produced by Canada's 260,000 farmers have amounted to an average yield of almost 50 million tons/year since 2000, although 2012 saw a high yield of 51.6 million tons. Ninety percent of that grain production is exported, with primary exports going to the United States, China, and Japan.

The high 2012 yield had nothing to do with a successful agricultural policy, but was merely the effect of 1) commodities speculation, 2) drought/flood ravaging of U.S. agriculture, and 3) the genocidal food-for-fuel/biofuel programs implemented largely under the 2000-13 Bush-Obama regime. The rise in yields was entirely speculation-driven, and not in any way the effect of a mission to end hunger, or of an intention to accomplish anything meaningful to society. The potential to double world food production in the short term can only occur on the condition that the entire green-speculative system is shut down with Glass-Steagall, and replaced by an international commitment to end world hunger, driven by the construction of the nuclear NAWAPA XXI, and the Bering Strait rail/tunnel connection.

Such an approach, driven by Canada's cooperation with Russia, China, and a rehabilitated United States is the only way for America's northern cousin to finally break its affiliation with the British Empire, and earn a rightful claim to full sovereignty.

The following interview, conducted on Aug. 10, 2013, with Terry Boehm, a Canadian farmer and President of the National Farmer's Union, recounts the primary dangers facing Canadian farming in the face of such secretive NAFTA-modeled free-trade deals as the Trans Pacific Partnership (TPP), the Canadian European Trade Agreement (CETA), and the destruction of protectionist programs which threaten to decapitate Canadian farming. These lessons apply just as much to the American citizen and farmer as they do to the Canadian.

EIR: What is the National Farmers Union, its role in Canada and your role as its president?

Terry Boehm: The National Farmers Union is Canada's largest voluntary direct membership farm organization. So farmers have to want to join, and there are a lot of other organizations out there that farmers sort of become members of, by having sold some grain, and a check-off is applied, and they are called members of assorted organizations. A "check-off" is a sort of tax of every bushel that they might sell of an assorted grain or on an animal, etc. We're different in that farmers have to want to join, and we're 99% financed by farmer membership fees.

The Shutdown of the Wheat Board

EIR: What do you see as the NFU's role in the protection of farmers?



NFU

Terry Boehm, president of the National Farmers Union of Canada: "We are trying to advance the economic and social interests of farmers, and that dovetails into broader citizenship."

Boehm: The organization itself has several objects. We are trying to advance the economic and social interests of farmers, and that dovetails into broader citizenship. So we do that through education, analysis, and activism. Traditionally we have been an organization that has advocated for legislation that would advance those objects; and largely, we've been behind fights to retain the Canadian Wheat Board, to rein in the big railways, to rein in large multinational grain-trading and meat-packing interests, and international trade agreements as well....

EIR: What are the greatest threats now to Canadian farming, especially the small and medium farmer? You brought up the matter of the Canadian Wheat Board [CWB]. This is the first anniversary of its takedown. What do you see as the main ramifications of this maneuver by the Harper Government, and do you see any opportunities to bring the CWB back?

Boehm: We've had quite dark days in Canadian agriculture policy and beyond with the Harper government. We do know that [Prime Minister Stephen] Harper will not be in place indefinetly nor [will his] his Agriculture Minister Gerry Ritz, so we're looking towards helping to facilitate more responsible policy in the future with whatever government might be in place. But we know that this government has been particularly aggressive at dismantling any farmer-friendly institutions, or a regulatory environment that supports small or medium-sized farms. That is the mandate of the NFU, to promote those as the fundamental food-producing units in Canada.

EIR: One of the justifications for the shutdown of the CWB was shaped by the speculative financial activities which created a huge instability in the prices of farming goods, and pretty much everything else in our lives that we use. It was said that, under the CWB's single desk, the farmers were being deprived of the prices they could otherwise have gotten had the regulation not been there. How would you speak to that?

Boehm: Well, the Canadian Wheat Board, as a single-desk seller[1] gave us some advantages in both branding Canadian wheat and barley, and also in the possibility of negotiating stronger prices, and returning those stronger prices to the farmer, less a small administrative fee. With the dismantling of the CWB, that was one of the last institutions that gave western Canadian farmers (it only operated in the western Canadian jurisdiction) some agency to balance the powers of huge international companies that dominate the movement and exports of grains and foodstuffs around the world. With the loss of that, essentially, we're left with dealing with these companies that have far greater financial influence and powers than any individual farmer will ever achieve, and as a consequence, we will financially suffer under that system.

And we've been told that the instruments are available to us as commodities trading, futures markets trading, options, calls, and the whole collection of derivatives. The grain trade was sort of the early example of the derivatives market, and has carried on as such.

1. The Single Desk was the name used for the Canadian Wheat Board's monopoly for marketing wheat and barley produced in the western provinces. Its 15 directors gave it the power to bargain for the highest price possible, while ensuring the greatest possible rate of return for farmers. This body, created in 1935 under an FDR-modeled policy in Canada, ceased to function with the takedown of the fixed-exchange-rate world system in 1971. The Dec. 11, 2012 Royal Assent of Bill C-18 ensured the destruction of this Single Desk monopoly.

So I think that farmers are at a severe disadvantage, and the Harper Government is now going after the Canadian Grain Commission, essentially incapacitating an institution which was mandated to act in the interests of grain producers; its fundamental role was to guarantee the quality of Canadian grain and to balance the powers when there were disputes on grade and dockage between an individual farmer and a big company or big railway, so that it acted with a final say in any of those disputes. It moved the disputes outside of the court system, and the grain commission tribunals and commissioners would grade the grain; and their say was final, for both the companies and the farmers.



White House/Pete Souza

Like U.S. President Obama, Canadian Prime Minister Stephen Harper has promoted the globalist program, such as diverting food for biofuels. Harper shut down the Canadian Wheat Board, which was widely supported by farmers. Harper and Obama are shown here at the White House in February 2009.

Increasingly, what we're seeing—and we ran into this during the CWB fight—is farmers or citizens being forced to use the courts, which are very slow, expensive; and often in that system, you're up against the wealth of these large players who have huge legal resources or the money to hire expensive legal resources, where they delay things. And it is often that court decisions take a very long time to come, and you never know whether you'll be successful or not.…

The Canadian Wheat Board example, in many ways, represents a perversion of democracy. The farmers who utilize the CWB in western Canada, the vast majority of them, have always supported having that institution in place. It was in 1998, that the legislation was changed, allowing it to be directed by an elected-farmer board of directors, so it was kind of a mixed-management institution, with ten elected directors and five directors appointed by the government. This was taken away by the Harper Government, along with significant farmer assets, including a $200 million contingency fund, the rail cars the Wheat Board had, and the building itself. And this was all taken away with the legislation that Harper rammed through with extraordinary measures; for example, normally a bill dismantling the Canadian Wheat Board would have gone to the Agriculture Committee for amendments and examinations. Well, he [Harper] created a special committee outside of the Agriculture Committee to look at the agriculture legislation, accepted absolutely no amendments, which is characteristic of this government, and also had the bill go through the Senate at the same time it was going through the special committee in the Commons. So it was rammed through with lightning speed, and it ignored section 47-1—that is, in the original 1998 leglislation, that said that farmers should have a vote and a say in changes to the CWB. They ignored that completely and they said simply, "Well, we're the government. That's enough of a vote for you guys."

I think one of the big worries in democratic processes is that citizens are increasingly being forced to use to the courts rather than having their legislators act in a responsible manner.

EIR: It becomes a matter of "survival of the fittest" logic, where you say, "Eat or be eaten."

Boehm: Yes, that's very much the attitude of the government, and the federal Department of Agriculture, in particular. "Those who survive are obviously the good managers in this environment and that's how it should be."

The End of Multi-Generational Farms

EIR: I was just watching a presentation by a president of the Illinois branch of the U.S. National Farmers

Union, who said that the average age of farmers is 60+, that young people aren't going into farming any more; and the upstream/downstream cartelization is reaping all the benefits, whereas the producer is being choked. Has this process been avoided by Canadian agriculture, or have we had a parallel issue?

Boehm: Very much parallel, although the U.S. situation has been mitigated by an awful lot of public funding going into agriculture, much more so than in Canada. So, we've actually experienced this in a more severe way than in the USA, and only recently (and I think it's only for a brief moment), we've had a little bit better farm prices, caused by several factors, including an interest in agricultural commodities by speculative funds, and partly by an ethanol mandate in the USA which has driven up prices somewhat, and some weather-related problems as well.

But all that aside, the number of farmers has been reduced drastically. In a vast agricultural nation like Canada, there are only about 220,000 farmers [of a total population of about 35 million—ed.], and those farmers are carrying about $65 billion of debt. So the so-called "prosperity" being announced for agriculture, I think, is really not there. We're seeing, at the same time, agricultural land becoming the latest parking ground for all these pools of capital that have been created by "quantitative easing" in the U.S., which is essentially "printing money" in Europe and the USA, so they're looking for real assets to park their money in, and the price of agricultural land has skyrocketed in a few years....

The average age of Canadian farmers is also in that 55-60-year range.

EIR: When agricultural land is purchased by international speculators, is this land no longer used for agriculture?

Boehm: No, it's being used, but in general, it's being rented back to farmers. Unfortunately, one of the models that's showing up now, because of the extremely high capital costs for equipment, fertilizers, and the farmland itself, the new entrepreneurial model is, "Well, farmers, just lease your land, and lease the equipment, cover massive acreages, and off you go, and when the bubble bursts, then move on." This is not a long-term vision for sustainable agriculture, including the sustainable element of people, and multi-generational farms.

So what we're seeing is a lot of money coming in with the liberalization of land ownership laws across the country....

The other fundamental problem, in agriculture, is parity pricing. In reality what is considered a boom in agricultural farm prices right now, is no boom at all. My father, in the 1970s, was receiving the same nominal value in the last "agricultural price boom," as I am receiving today for some flax, Canola, wheat, and barley. The prices were almost identical. In the last months we've had a bit of a collapse in prices—they're actually below those levels now. And yet the purchasing power of that grain in the mid-1970s, at the nominal values of today, was far higher.

For 3,000-4,000 bushels of wheat, he could buy a brand new tractor. Well now, a new tractor is around $400,000, and it would take anywhere from 65-75,000 bushels of wheat to purchase a new tractor. So comparatively, it's not a boom at all! Nor actually in this whole food debate are the prices higher. They're not. Because those same nominal values—the end processed product in the 1970s was priced far lower than it is now. A loaf of bread, box of cereal, beer, or whatever, made from these sorts of products, was far cheaper in the 1970s, with the same nominal value of the grain going into it than it is now.

EIR: This is an important issue you're bringing up, because back in the early 1970s, we still had the spirit of a productive agro-industrial society, whereas the new "religious dogma" has increasingly become that "We're in a post-industrial consumer society where we don't really have to think about projects for the future, or the physical aspects of what underlies human society. The idea is that by letting "the markets" take over, mystical forces that no one seems to fully understand, and wealth just happens. This whole shift has not only destroyed our agricultural powers of production, but our industrial powers too.

Boehm: I started farming in 1981, and I've seen numerous booms and busts. Mostly busts for a long extended period of time, with a little one- or two-year slight boom, and then we had, in the run-up to the 2008 financial crisis, in 2007 we had a spike in agricultural prices, but again, only marginally above the nominal values that we saw 30-35 years ago.

And I think that's part of the problem for young people entering agriculture. If they have any sense of



Canadian Wheat Board

Despite the ravages of globalization and the "monetization" of food production by the huge cartels, Canada remains a vital producer of world foodstuffs, and is key to any global economic recovery. Shown: grain production in western Canada.

history, or if their eyes are open at all, they realize that it's an extremely volatile industry and getting more volatile. Indeed, that's what the future market is like, as speculators can make money on both the falling of grain prices or the rising of grain prices, as they can go short or long. And they have a whole pile of other instruments that they can use, such that a steady pricing regime isn't so interesting.

A Profit on Destruction

EIR: There are all sorts of new mechanisms which put a profit on the destruction of our productivity. Not only on what you mentioned regarding selling short to make money on the destruction of the economy but also you have things like biofuels, which as you mentioned earlier have been taking off, more in the United States. Is there a similar situation in Canada?

Boehm: Yes, there's a certain amount of mandated ethanol mixtures and biodiesel in our fuels. As a farmers' organization we very early challenged this whole idea of biofuels and the energy balances. If you looked at a whole system perspective, probably the energy consumption was exceeding the energy produced from biofuels, so we worried about that in terms of diverting land from food production to sort of negative energy production. One of the problems that we have in agriculture, is that it's extremely energy-intensive. To a large extent, with fertilizers, pesticides, and fuel requirements, and the scale-up of individual farmers, we're essentially converting energy into food, and the biofuels thing is converting food into energy, which takes a tremendous amount of energy to produce. This touches a bit on the perpetual motion idea, but it just can't work!

EIR: Yes, it seems like there's a collapse point built into that; especially when you have 7 billion people on the Earth, it seems like a remnant of that medieval idea of bleeding yourself to get healthy.

Boehm: Of course the hesitation amongst farmers, in terms of their own personal economic survival, which is always tenuous... the biofuels mandate in the USA and other places has led to a general rise in agricultural commodity prices, and so, if that disappeared, we wonder if we would return to the extreme money-losing prices that we went through for almost 25 years. So while we understand the equation, and the insanity of it, unless there are other adjustments made in this agriculture-commodity pricing system, we also understand that we're going to be individually economically impacted.

It doesn't make any sense, but neither does the way agriculture production is determined by a pricing system that is dominated, even manipulated, by these players that dominate international trade.

EIR: Right now, there are increasingly loud calls for a reorganization of the financial system around a Glass-Steagall separation of speculative activities, which would no longer receive government protection,

while real productive banking activities which are useful, are protected. If that were to occur, and the derivatives system were wiped out, and a new financial system were established, do you think that, under that new system, getting rid of biofuels, and a return to parity pricing could be viable?

Boehm: Well, I did read your article very quickly earlier this morning, on Glass-Steagall. I think that, at least on the surface, that makes a lot of sense—the separation of investment banking from commercial banking, I think fundamentally though, from an agricultural perspective, there was a great debate about parity pricing in the 1940s, up until the 1970s, and then it kind of evaporated. I think we have such huge problems now, examining agriculture just from an energy consumption scale, land degradation, water utilization, that we really have to be cautious.

For example, if we're going to continue on a very energy-intensive form of agriculture, then we actually have to start thinking of our energy resources, and allocating them for agriculture production. There's also a great debate about organic or ameliorated agriculture production that reduces the consumption of synthetic fertilizers that are energy-based, and moving into an agriculture system that reduces the consumption of these high-energy inputs and maintains productivity. That requires a rethink and real research and an examination of the possibilities that are out there.

Right now, what farmers are confronted with, is that independent research has disappeared from our universities. One of the most pernicious things that happened about seven years ago, was a thing called the "matching investments initiative," where agricultural public researchers first had to source 50% of their funding from a private source to proceed down a specific line of research. So what do you get at the end of the day, but crop varieties and production methods that increase the consumption of inputs supplied by these same private entities that put up 50% of the financing? So there's a whole series of greater and lesser changes in the regulatory/political environment that are forcing us down this particular path, which isn't replacing people in agriculture.

Like your farmer in Illinois said, it isn't a very encouraging profession to undertake, and this is the case all around the world. Farmers are aging and we're going to run into a demographic crisis unless we can get more and more people to return to agriculture.

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Inland Waterways: Romantic Notion or Means To Kick-Start World Economy?

by Karel Vereycken

PARIS, Sept. 24—Some 300 enthusiasts of 14 nations, among them, the USA, France, Belgium, Netherlands, Germany, China, Serbia, Canada, Italy, and Sweden), gathered in Toulouse Sept. 16-19, for the 26th World Canals Conference (WCC2013). The event was organized by the city of Toulouse and the Communes of the Canal des Deux Mers under the aegis of Inland Waterways International (IWI).

Political officials, mariners, public and private individuals, specialists and amateurs, all came to share a single passion—to promote, develop, live, and preserve the world heritage of waterways, be they constructed by man and nature, or by nature alone.

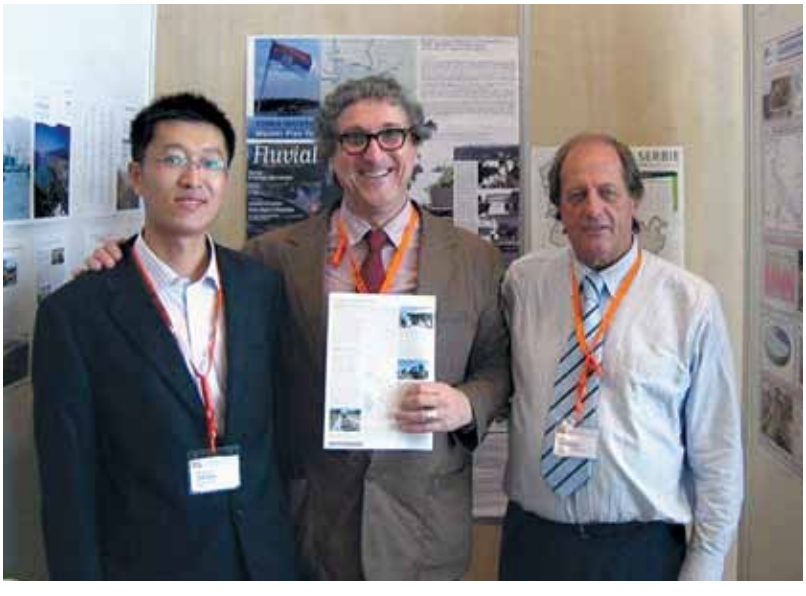
For Toulouse, a major city whose image is strongly connected with rugby and the space industry, it was an occasion to remind the world about the existence of the Canal du Midi, built between 1666 and 1685 by Pierre-Paul Riquet under Jean-Baptiste Colbert, the French Finance Minister for Louis XIV. The "Two Ocean Canal," which allowed for ships to travel from the Mediterranean port of Sète to Toulouse, and to enter the Atlantic Ocean, via the Garonne River at Bordeaux, was added in 1996 to the list of UNESCO's World Heritage sites.

In public relations efforts, the French public authority in charge of canals, Voies navigables de France (VNF), also presented its program to replant, on a 20-year cycle, the plane trees bordering 239 km of the Canal du Midi. Under attack by fungus since 2006, some 42,000 plane trees will be replaced at a total cost of EU200 million.

Romanticism Is Not the Future

At the Toulouse conference, opposing visions were represented. First, the Romantic vision—which, unfortunately, dominated most of the sessions—starts from the dangerous illusion of a post-industrial society, centered on a leisure- and service-based economy. For this vision, the future of inland waterways comes down to a hypothetical potential income from tourism. Many reports and studies indicate in great detail how formerly industrial city centers can become recreational locations where people can be entertained and make money.

Radically opposing this Romanticism, historians demonstrated the crucial role played by canals in organizing the harmonic development of territories and the birth of great nations. Several Chinese researchers, notably Xingming Zhong of the University of Qingdao, and Wang Yi of the Chinese Cultural Heritage Academy showed how the Grand Canal, a nearly 1,800-km-long canal connecting the five major rivers in China, whose construction started as early as 600 B.C., played



Nouvelle Solidarité

The author, Karel Vereycken (center), with Chinese scholar Wang Yi (left), and Serbian engineer Krsta Paskovic, at the 26th World Canals Conference in Toulouse, France.

The old Canal du Centre in Belgium (right) was built to transport coal for the steel industry. When it became obsolete, a new Canal du Centre (below), was constructed, with the world's largest lift-lock. The old canal is now a tourist attraction, while the new canal is used for trade and industry.



Creative Commons/Jean-Pol Grandmont



Creative Commons/Jean-Pol Grandmont

a key role in securing China's military and food sovereignty. Nearly a thousand years before the European Renaissance, Chinese water experts built elementary, but operational, locks.

A Dutch historian also showed how in the early 12th Century, an amazing network of waterways was built in the peat lands; peat was the main source of energy for cities as Rotterdam, Amsterdam, and Antwerp in the Netherlands.

Walk on Two Legs

In private, most attendants admit that to go forward, the profession needs two legs: tourism and industry. Therefore, it isn't sufficient to keep the existing canals in good shape, instead, new inland waterways must be constructed.

Vanessa Krins, of the Institut du Patrimoine Wallon of Belgium, gave the example of the Belgian Canal du Centre. Historically, this canal was built to transport coal for the Belgian steel industry. When it became obsolete, Belgium invested in a new Canal du Centre, which was inaugurated in 2002. With the new canal came the world's largest lift-lock at Thieu-Strépy, where an elevator is able to raise ships 73.15 meters. With this single elevator on the new canal, the two locks and the four older ship elevators of the old canal have been replaced. As a result, the old canal is now transformed for tourism, while the new canal is used for trade and industry.

Multiple Sizes

Michel Dourlent, president of the French National Chamber of Boatmen (CNBA), outlined a plan for a national network of canals required to transport goods. For Dourlent, there is not just "one-size-fits-all." In the same way as there are highways, national routes, and local roads, France should build a powerful national network of canals of different sizes.

Up till now, the existing wide canals have all been dead ends. As a result, most of France's cargo shipping is cut off from the 20,000 km of wide canals spanning Northern Europe. To remedy this problem, it is of

utmost urgency to build the Seine-Schelde connection, and to connect the Soane River (which links with Lyon and Marseille) with the Moselle in Nancy, the Rhine in Mulhouse, and the Seine. Dourlent underlined that, for medium and long distances, smaller canals remain far more efficient and cheaper than rail or road. Dourlent also underlined that the absence of a decent canal system in their hinterland is suffocating the French ports. The largest port for French exports is Antwerp, Belgium, which is also one of the biggest European rail ports.

The UNESCO Trap

From that standpoint, it is clear that the port of Nantes on the Atlantic is suffering from the fact that the Loire River, the longest in France, is on the list of UNESCO's World Heritage sites, and as such, is condemned to … tourism. The reader should be reminded that stabilizing the main rivers of France has allowed that country to build nuclear power plants, which need a steady flow of water for cooling, a condition that can only be guaranteed on managed canals and waterways. Without such water management, there can be no nuclear power!

We therefore can only advise China to be very careful when calling for the placement of its Grand Canal on UNESCO's world heritage list. UNESCO, whose founder, Julian Huxley, was a raving eugenicist, just might be out to freeze all development in China! This doesn't mean that I am demanding that we wipe out the world's cultural heritage. A harmonic compromise between economic development and the conservation of the cultural and historical patrimony can always be worked out. UNESCO's "Convention for the Safeguarding of the Intangible Cultural Heritage" (Nov. 16, 1972, Paris, Article 11.4) states that, "The list of sites may include only such property forming part of the cultural and natural heritage as is threatened by serious and specific dangers, such as the threat of disappearance caused by accelerated deterioration, large-scale public or private projects [!] or rapid urban or tourist development projects; destruction caused by changes in the use or ownership of the land; major alterations due to unknown causes; abandonment for any reason whatsoever; the outbreak or the threat of an armed conflict; calamities and cataclysms; serious fires, earthquakes, landslides; volcanic eruptions; changes in water level, floods, and tidal waves."

Morava River (Serbia)



China and Serbia Debate Morava Canal

It is therefore not astonishing that the call for development came mostly from the so-called "developing nations." Standing before a map of his country, the Serbian engineer Krsta Paskovic, founder and main coordinator of the Danube Propeller association, argued strongly in favor of the construction of the Morava Canal, a project already imagined at the end of the 19th Century, to connect the Greek port of Thessalonica with the inland waterway transport axis formed by the Rhine-Main-Danube Canal. To make this connection a reality, several rivers have to be tamed, notably the Axios River in Greece, which becomes the Vardar in Macedonia, and the Morava River in Serbia. To interconnect these rivers, a canal is required.

Five years ago, at the WCC2009 in Novi Sad, Serbia, the project was extensively debated. Since then, the Serbian elites seem to have succeeded in convincing China of its stake in the project. Today, China considers building the Morava Canal a strategic priority, for the simple reason that it would shorten, by 1,200

km, China's main export route to the EU.

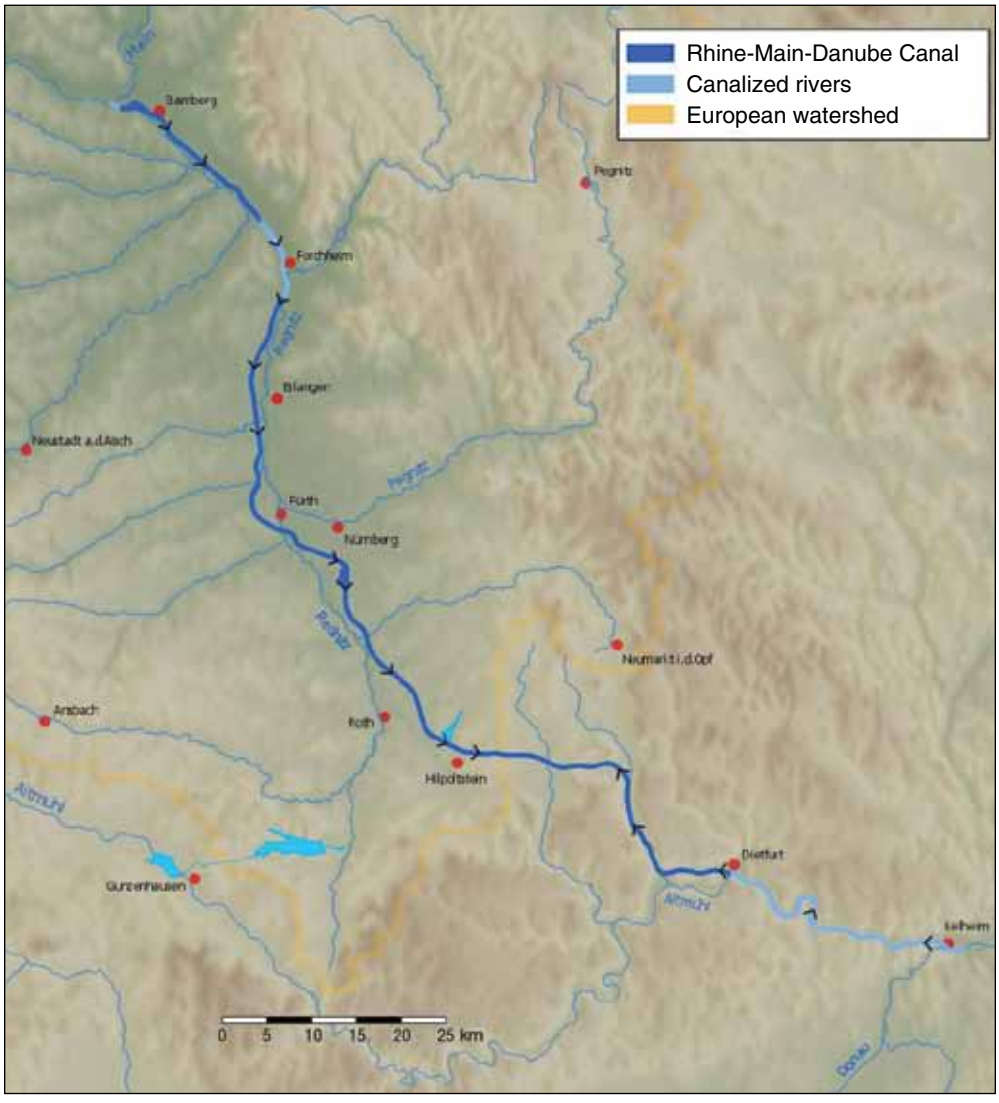
In May, a delegation of civil engineers of the China Gezhouda Group Corporation (CGGC), the state company that built the Three Gorges Dam, came to Serbia and conducted a feasibility study. Huang Lin, who heads the delegation, is quoted saying that the project is "feasible." For Huang, the project is "big and historic," and has been needed for a long time. Plans presented by the Serbians are 50 years old, and called for at least 63 locks. Chinese engineers are expected to come up with new solutions to the technical challenges of the project. The CGGC team will now present its technical recommendations to the Serbian government, and hopes to win the contract.

To discuss the financing of the project, Serbian President Tomislav Nikolic just concluded a visit to China, where the canal project was discussed with Chinese investors. In 1973, the overall cost of the canal was estimated to be $12 billion, about the same as the cost recently estimated for the Canal Seine Nord Europe (connecting the Seine with the Schelde), the largest infrastructure program under consideration in the EU, but currently sabotaged by the French banks.

For Greece and Macedonia, the benefits of the canal would be significant, in terms of jobs and economic stimulus. Transportation is one thing, but there is much more. According to the Serbian Minister of National Resources and Mining, Milan Bacevic, who presented the canal project to the Serbian parliament in July, "the construction of the Morava Canal is a complex task which created the conditions for the construction of five hydroelectric power stations of about 400 MW each. Parallel to this, an irrigation system for about 80,000 hectares of the most fertile farmland of the Morava basin will be created. The reduction of costs in transport will be enormous, since inland water transport is four times less expensive than transport by road or rail."

In an interview with the author, Paskovic underlined the decisive role played by the Schiller Institute of Helga Zepp-LaRouche. Following the Troika's finan-

Rhine-Main-Danube River



The Morava Canal, if constructed, would connect the Greek port of Thessalonica with the inland waterway transport axis formed by the Rhine-Main-Danube Canal.

cial onslaught against Greece, the Schiller Institute published a special program to reconstruct the entire Mediterranean region.[1] Since the program called for the realization of the Morava Canal, Paskovic, who received a copy from a friend, sent it to over 500 Serbian decision-makers, making the Morava Canal the subject of a national debate.

Solidarity & Progress Intervenes

Outside the conference room, a team of organizers from Jacques Cheminade's party, Solidarity & Progress (http://www.solidariteetprogres.org/), distributed a leaflet, titled, "Inland Water Transport: Key for a New Renaissance," to those attending, published in French, English, and Chinese. The S&P activists carried signboards saying, "Let's dig canals and bury the banks," and insisted that, without a real Glass-Steagall reform, separating commercial banks from speculative investment banks, no long-term credit can be made available for investment in such infrastructure as canals.

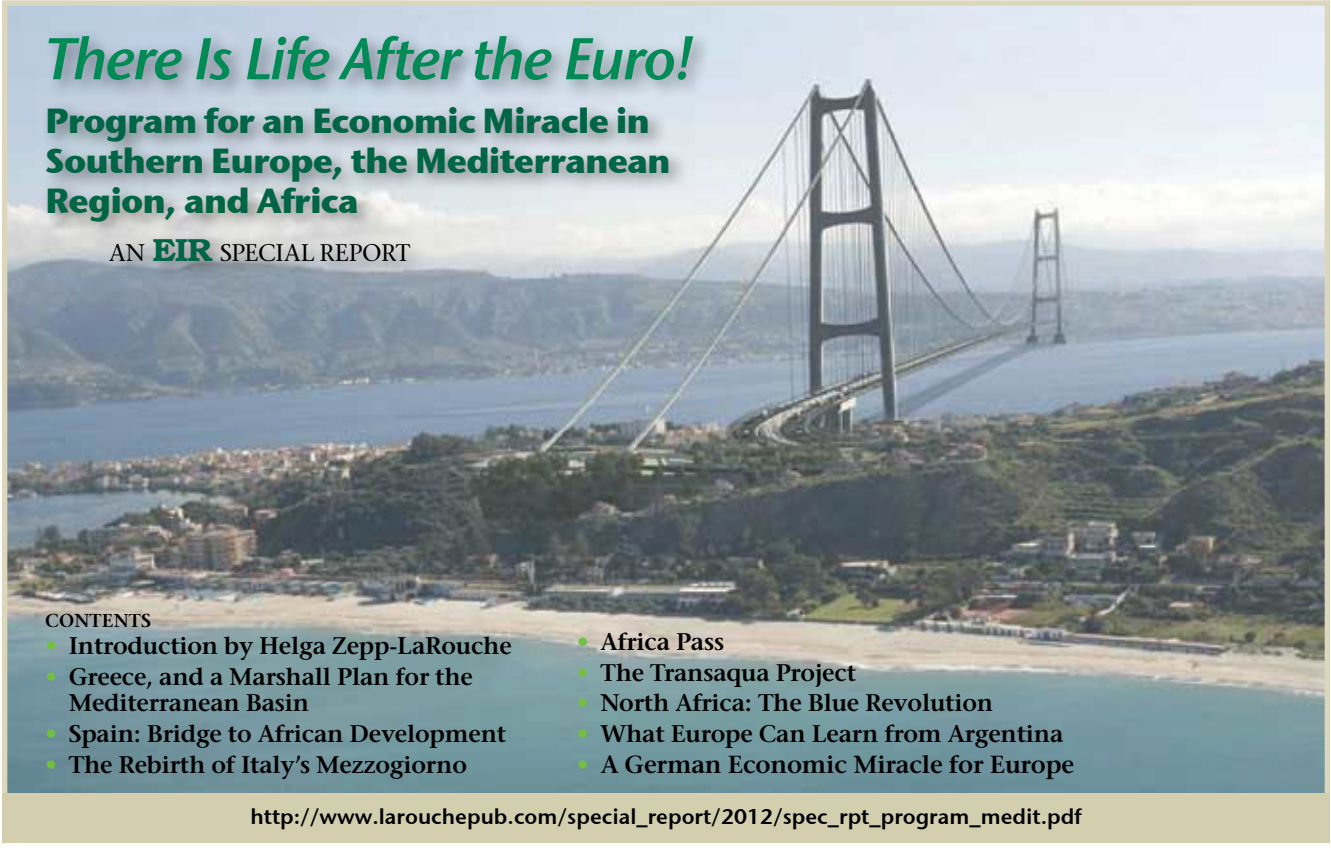
Briefed on the project, several U.S. and Canadian officials showed great interest in the NAWAPA program, proposed in the 1960s, as the largest hydraulic-transfer program ever conceived, but forgotten when priorities shifted after the Kennedy assassination.[2] People such as the Serbian engineer Paskovic wholeheartedly welcomed the programs put forward by S&P and the Schiller Institute.

Last year, the WCC took place in China, and next September, it will be held in Milan, a city that was a cradle of canal-building in Europe, a science not unrelated to the work of Leonardo da Vinci, who lived there from 1482-99. It will be another occasion to mobilize for genius.

The author is the director of the French weekly Nouvelle Solidarité.

1. "There Is Life After the Euro! Program for an Economic Miracle in Southern Europe, the Mediterranean Region, and Africa," EIR News Service, Inc., June 2012.

2. See *EIR*, Sept. 13, Sept. 20, and Sept. 27, 2013; and LaRouchePAC (http://larouchepac.com/nawapaxxi).



http://www.larouchepub.com/special_report/2012/spec_rpt_program_medit.pdf

Is U.S. Congress Waking Up to the Saudi Threat?

by Edward Spannaus

Sept. 30—A rising chorus of protest against the Kingdom of Saudi Arabia, and the role of its royal family and associated "charities" in financial global terrorism, is evident throughout the United States, and even in Congress. Feeding this, is both the mobilization to release the suppressed 28 pages from the final report of the 2002 Joint Congressional Inquiry into the 9/11 attacks, and growing recognition of the crucial Saudi role in financing and supplying the al-Qaeda-linked terrorists who dominate the so-called rebel opposition forces in Syria.

After the call by Rep. Walter Jones (R-N.C.) for the release of the classified 28 pages, issued on this past Sept. 11, some members of Congress have reportedly gone to the House Intelligence Committee offices to read the 28 pages for themselves, and a number are said to have been shocked by the findings concerning the extensive Saudi ties to the 9/11 hijackers.

Sarasota-Saudi Investigation

Also fueling the clamor for disclosure of the Saudi role, is the expansion of the Freedom of Information Act (FOIA) lawsuit in Florida, which seeks tens of thousands of pages of FBI files relevant to its investigation of the Saudi support network for the 9/11 hijackers that was operating in the Sarasota area. The suit was originally filed by the *Broward Bulldog* in 2011, and on Sept. 27, the influential *Miami Herald* announced that it is joining the lawsuit, following the early September entrance into the suit by the Herald-Tribune Media Group, which publishes the *Sarasota Herald-Tribune* and a number of other Florida papers.

On Sept 16, the *Miami Herald* published an editorial "9/11's lingering questions," which demanded a full airing of the Saudi connections in Florida to the 9/11 attacks, and particularly, the full results of the FBI's investigation into the mystery of the upscale house in Sarasota which was hastily abandoned shortly before Sept. 11, 2001 by a wealthy Saudi family later found to have ties to the 9/11 hijackers. The *Herald* concluded: "Ten years later, much about the Saudi connection remains unknown. An investigation prompted by the Sarasota connection would help to clarify matters."

After initially claiming that it had found no links between the 9/11 attacks and the Saudi family in Sarasota, the FBI recently disclosed that it has more than 15,000 documents (each of which likely contains multiple pages) concerning the Tampa FBI field office's investigation of 9/11.

Senate Bill Targets Saudis

On Sept. 23, Sen. Charles Schumer (D), Rep. Peter King (R), and other members of Congress from New York State, introduced a bill to block foreign sponsors of terrorism from claiming "sovereign immunity" from lawsuits for restitution filed by American citizens who were victims of terrorism on American soil. In a press statement accompanying the filing of the Justice

Against Sponsors of Terrorism Act (JASTA), Senator Schumer is explicit that the bill aims to overturn the Kingdom of Saudi Arabia's claim of "sovereign immunity" from suits brought by families of the victims of the 9/11 atrocity.

JASTA "will finally correct an egregious error within our court system that has prevented victims of 9/11 from obtaining recourse against those who helped sponsor the attacks," Schumer stated, citing the ruling by the Second Circuit U.S. Court of Appeals that held that the doctrine of sovereign immunity protected Saudi government "charities" from 9/11 victims' claims regarding Saudi "aiding and abetting" of the 9/11 terrorist attacks.

Similar bills were filed in the previous two sessions of Congress, in 2009 and 2011, but now, with the growing recognition of the Saudi role in supporting global terrorism, the climate is more favorable for passage, if members of the House and Senate actually fight for this needed reform of the law.

Senators Demanded Release of 28 Pages

An example of what should be happening again today, is that in 2003, 46 U.S. Senators demanded that then-President George W. Bush declassify the 28 pages on Saudi involvement in the 9/11 attacks. On Aug. 1, 2003, a letter was sent to Bush by Schumer, which had been signed by 45 additional Senators. The letter read, in part:

"It has been widely reported in the press that the foreign sources referred to in this portion of the Joint Inquiry analysis reside primarily in Saudi Arabia. As a result, the decision to classify this information sends the wrong message to the American people about our nation's anti-terror effort and makes it seem as if there will be no penalty for foreign abettors of the hijackers. As you are aware, Saudi Arabia's banks and charities have been used to funnel money to Al-Qaeda; its madrassah schools spew hateful anti-American rhetoric to would-be suicide bombers across the Middle East; and fifteen of the nineteen hijackers were Saudis. Given these facts, protecting the Saudi regime by eliminating any public penalty for the support given to terrorists from within its borders would be a mistake. . . ."

At that time, two other Senators, who didn't sign the Schumer letter, were also calling for declassification of the 28 pages; these were Olympia Snowe (R-Me.) and Richard Shelby (R-Ala.). This was very close to the 51 votes which, as was reported at the time, could have forced declassification over the opposition of the White House.

In October 2003, Sen. Byron Dorgan (D-N.D.) and others introduced an amendment to the foreign operations appropriations bill, again calling for the Bush Administration to release the 28 pages. Speaking on the Senate floor on Oct. 28, and after Dorgan had identified Saudi Arabia as the likely subject of the 28 pages, Sen. Bob Graham (D-Fla.), the co-chairman of the Joint Inquiry, laid out why he wanted the pages released. Graham stated that the Joint Inquiry had determined that "there was a foreign government which was complicitous in the actions leading up to September 11, at least as it relates to some of the terrorists who were present in one part of the United States."

He went on:

"There are two big questions yet to be answered. Why would this government have provided the level of assistance—financial, logistical, housing, support service—to some of the terrorists and not to all of the terrorists? We asked that question. There has been no response.

"My own hypothesis—and I will describe it as that—is that in fact similar assistance was being provided to all or at least most of the terrorists. The difference is that we happened, because of a set of circumstances which are contained in these 28 censored pages, to have an unusual window on a few of the terrorists. We did not have a similar window on others. Therefore, it will take more effort to determine if they were, in fact, receiving that assistance. That effort has, in my judgment, been grossly insufficiently pursued."

We now know that Senator Graham was referring to the Saudi intelligence network in San Diego, which the Joint Inquiry found to have been providing support to at least two of the hijackers who were present there. Graham then zeroed in on the heart of the matter, which was that there was no reason to believe that this Saudi support apparatus was taken down after the 9/11 attacks:

"I don't believe it was taken down. I believe that infrastructure is likely to still be in place assisting the next generation of terrorists who are in the United States."

That was ten years ago, and shamefully, that investigation has not taken place, and that information has still not been released—first at the insistence of President Bush, and now at the insistence of President Obama.

Will Wertz provided research for this article.

'PROJECT SPACE' :

The Thesis

by Lyndon H. LaRouche, Jr.

September 9, 2013

With the assassination of President John F. Kennedy, the U.S. economy had entered a net standstill, or, later, repeatedly worse conditions in its efforts for progress. Some new, useful things, such as some specific designs and processes, were added; but, the net effect of pluses and minuses had been, heretofore, the establishment of stagnation followed by a tendency for increase of net decay, and, then, recently, a continuing, worse national catastrophe introduced since the election of the misfortunate choice of the wretched George W. Bush, Jr., in 2001, and, thence, up to the present day.[1] *Generally, the same must be said, presently, concerning virtually all of the trans-Atlantic region of our planet through to the present date. If the new project to which I will refer henceforth in this report, were to proceed as intended, it will place great emphasis on what is to be applied in the trans-Pacific regions of the planet: a power supplied within that region, which will also drive the planet's economy, as a whole, into the enjoyment of more than comparable benefits; it foreshadows the greatest achievement it will have achieved in a present prospect of the greatest actions in the history of mankind which will have then been achieved this far.*

That project to which I now refer here, is one whose root and intention, lie in the spirit of the work done during the administration of President John F. Kennedy: a project which had then been based on the implications of great improvements in development of water-resources which had been intended, and otherwise planned as a development for realization in North America. This had implicitly included a single project, named NAWAPA, which included roles within the regions of Canada, the U.S.A., and northern Mexico. It is still waiting to be set fully into operation, now hopefully to be realized soon.[2]

The still newer project, now prompted by the investigations of my immediate associates, is to be built on the virtual "corner-stone" of the original NAWAPA design; but, this time, with

1. The family of Prescott Bush, with the roles of his relevant son and a grandson who had played the role of disgusting Presidents in their time, is to be identified specifically with the wretched nature of their common incumbency in influential roles as de facto agents of the interests of the British empire, a role which includes close ties to Britain's Saudi tyrannies, and the fostering of those crimes against the United States such as the infamous "9-11" assault on our United States, and travesties concocted in kindred offenses against our republic.

2. The 21st Century Science & Technology Special Report, "Nuclear NAWAPA XXI: Gateway to the Fusion Economy". See also: "The Pacific Development Corridor: Maglev Across the Bering Strait," *EIR* Sept. 13, 2013; "A Crash Program To Create the Fusion Economy," *EIR*, Sept. 20, 2013; and "Nuclear NAWAPA XXI, Desalination, and the New Economy," *EIR*, Sept. 27, 2013.



NASA



John F. Kennedy Library

President John F. Kennedy's Apollo program embodied the spirit of the projects we must undertake today. Left: The liftoff of Apollo 11, heading for the Moon, July 20, 1969. Right: President Kennedy inspects the Mercury program's Friendship 7 space capsule, Feb. 23, 1962. Three days before, Col. John Glenn, Jr. (shown here, behind Kennedy), had become the first American to orbit the Earth, in that capsule, setting the stage for the Apollo program.

> *some most remarkable improvements and enlargements, and with a truly glorious scope in its combined core and collateral benefits for our planet as a whole. If it were actually launched by commitment now, it will have soon become the greatest such engineering project of all mankind so far. Best of all: it is a feasible opportunity for presently needed research actions launched during the relatively immediate future.*

The Scope of the Project:

The immediately intended scope of the core of the newly projected project, reaches, primarily, from the area immediately west of the Mississippi, to the Pacific, and north to the Arctic; but also leads into great internal regions of East Asia. The scope and effect of this development will be enabled, not for warfare, but, by the means of peaceful uses of the set of intended thermonuclear-fusion programs which had been then, implicitly awaiting something like this present venture, since approximately the 1970s. The result will include the greatest, and most beneficial achievement in the expression of great works which had been ever achieved by mankind on planet Earth this far.

During the recent weeks preceding this present publication, my most immediate associates in this venture, who are often commonly identified, among us, with "the basement crew," had been engaged in a re-examination of the economic history of the U.S. economy, one which had been presented, originally, on behalf of the proposed fulfillment of the long-postponed realization of the great U.S.A. water system named "NAWAPA" (the North American Water and Power Alliance). That intention, which had been launched in an updated form of what had been the original, mid-1960s intentions, is now expressed as a freshly reborn project presented in an updated design by the leadership of our associate Michael Kirsch. Michael Kirsch's work, which had occupied several recent years on that project, had been a thorough-going effort, which our team and prospective associates are to extend, in due course, into the form of a thermonuclear mode of realization reaching across the Pacific, that done in anticipated cooperation with the participation of governments there.

This intended project will include a systemic treatment of the design for a systemically up-dated representation of a mapped installation, one which had thus become a campaign intended to bring the design of an illustrated working system, thence into a system whose updated statement of the original design goes into subject-matters of the historical depth and political background of the quality of achievement represented by the installation of measures which shall transcend the history of the opposition, transcending the predecessors of such a great prospective accomplishment, not only for North America, but, in due course, all mankind.

The presently onrushing, relatively immediate economic "breakdown crisis" of the U.S.A. economy (among others), has now prompted us to recognize the urgency, for our planet, of an adopted and extended trans-Pacific, thermonuclear-fusion-oriented development of a project reaching, essentially, from approximately the region including the west of the Mississippi River, to reaching across the Pacific Ocean and the Bering Strait, and, thence, deep into some relatively large, eastern regions of Asia. The crucial feature of the presently proposed project, is the mobilization of the abilities for a drive for a peaceful sort of thermonuclear fusion, a drive which will be indispensable for securing the needed assistance from a great water-development-project, the which is now urgently required for the security of humanity, even globally. It will become a project producing continually improved benefits of a quality and quantity sufficient to meet needs for the challenge of the world's present and increased population during the span of time estimated as longer than the remainder of this presently still-young century.

There is nothing which, in principle, stands properly as an obstacle in the pathway of such a great project, except as by a threatened, vicious interference from what should be regarded as what should be the almost irrelevant, but nonetheless viciously criminal, Anglo-Dutch and kindred oligarchies. I mean by that just said, those opponents associated with the current, global, plan for genocide demanded by the present Queen of England's insistence for hastily reducing the human population, rapidly, a reduction from a recent upper limit of seven billions persons, to one billion, under the Queen's influence, from a region of the world which is now already rapidly collapsing. Be reminded: the Queen's stated goal for the period of future history in view, has been, and remains, as (to most recent account) an early goal of about one billion persons worldwide, rather than even maintaining the present approximately seven billions.

The means for the urgently needed, contrary alternative to the Queen's scheme of genocide by our, perhaps, otherwise seemingly impossible, but, actually feasible measures of seemingly miraculous success for the indicated, fresh approach to this now broader version of NAWAPA, can be realized, in fact. This goal can be accomplished, as through the inclusion of available methods known as the already existing (for decades since) principle of "thermonuclear fusion."

I.
The Great Principles

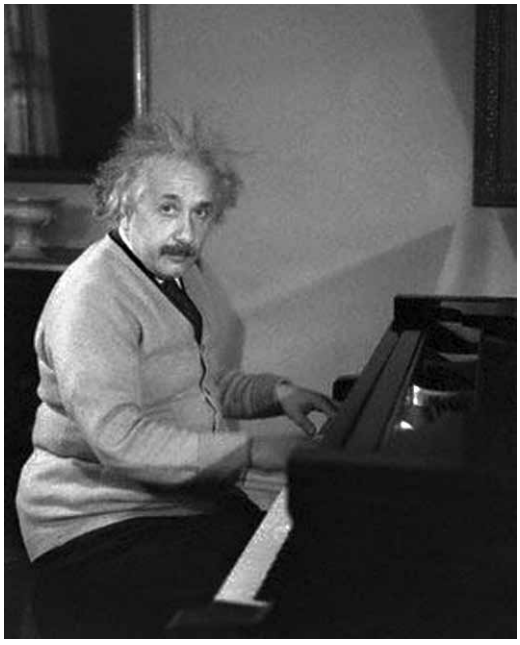
What is actually known as recorded history of mankind's societies, has been dominated, up to the present time, by the imprint of what is to be considered as results of the over-bearing influence of what is still prevalent, as a ruling, and also ruinous form of leading, politically-motivated directions of society on this planet generally, a design which is properly named "the oligarchical principle." That has been a scheme which had been typified by such examples as the cruelty of both the Roman empires past, and, also, and Anglo-Dutch empires of present time, still today.

However, despite the still reigning, controls exerted "top down" in society by oligarchical practices of the presently reigning trends in trans-Atlantic policies of practice, there have been excellent alternatives presented in opposition, were the presently reigning Anglo-American varieties of oligarchical circles lifted from the "back" of society generally.

For example, the New England settlement of the Seventeenth Century, up to the 1660s, and the later founding of our United States in the following century, had been more or less successful designs for alternatives which are contrary to a widespread oppression continued under the global reach of an imperial Anglo-Dutch tyranny, the latter a cruel tyranny intended for the period of the time of that regime's continued existence as a force specifically contrary to actual decency.

The change to be made now, urgently, must be one expressed in a fraternity composed in the form of truly sovereign nation-states, each and all based upon being, inherently, alternatives on which all progress of free people and their nations should have depended and implicitly shared progress in the condition of mankind, as





"The essential distinction of human from other expressions of life on Earth," writes LaRouche, "is located in the specific principle of mankind's inherent potential for access to a willful foreknowledge of the future." Scientists Max Planck (left) and Albert Einstein typify this specifically human capability.

when and where such a point of positive difference in direction has actually prevailed, that done in the mode of converging trends which serve mankind as leaps of progress, in their effects.

This alternative which I introduce for consideration in this report now, has been actually dependent, first of all, on *a true conception of a universal principle of life*, as distinct from, and opposed to all forms of *what is not* an expression of progress under the principle of life *per se*. However, specifically human life is profoundly distinct in its characteristics from all other presently known forms of life: it is distinct from all of those other known forms of life on this planet which are not specifically human. The essential distinction of human from other expressions of life on Earth*, is located in the specific principle of mankind's inherent potential for access to a willful foreknowledge of the future.*

Mankind's knowledgeable practice of our access to the principle of access to both knowledge in the present, and foreknowledge of the future, is the most essential of the known principles which distinguish the human individual's naturally given, distinctive aptitude. That is an aptitude, both to possess, and to act upon knowledge derived from the future, as such, and, thus, the opportunity to change that future willfully for the better. For example: every case of a valid human discovery of a universal physical principle, presents us with a demonstration of a human individual's ability to achieve *an actual experience of foreknowledge of the future*; that is done as a practice of the human will, which never can be achieved by methods of simple deduction, but, rather, can be achieved only by active insight into what has been repeatedly experienced by some among us as the crafting of the future by means of the specifically human will, as, particularly, in the initiatives of Max Planck and Albert Einstein from the 1890s onward, as against the actually evil oligarchical pestilences of the sort typified by the influence of Bertrand Russell.[3]

In any appropriate practice among the members of the human species, all such specifically creative human practice, has been, and is dependent upon the unique notion and practice of acts of what is a literally, and a truly creative discovery of new, and higher principles than had ever been known before. So, it is the proper requirement of performance for each generation of the human species, that the requirement to make such unique discoveries as those which are to be made as the additional contributions to net progress of mankind's intellectual revolutions, are revolutions expressed largely as the work of new generations added not only to the continued achievements in what is termed as "energy-flux density," but, that that be done with respect to re-exploring those of the earlier generations. As a matter of contrasts: "simply practical deduction" has been, chiefly, a practice of systemic failures on this account, failures contrary to the true principle which distinguishes the human species, which is the principle representing the commitment to the continuing, ever-revolutionary foresight into the future's generation of the systemic progress of our human species,

3. The role of Bernhard Riemann, as in his celebrated habilitation theses, must be included as a matter of specially emphasized predecessors. It is important to reference the arguments which I presented in my **Nicholas of Cusa, Kepler & Shakespeare**, ***EIR***, June 21, 2013, or LaRouchePAC.

as continued, always into the future, always in progress from present, to coming generations.

That distinction, is the great principle which truly defines the essential meaning of the practice of what is the expression of human life: a capability specifically unique to the human species. That is also the true moral principle, which exists, therefore, as the true definition of both the unique meaning, the mission, and the future purpose which defines the true principle of human life.[4]

The incidence of the discoveries of physical principle by Max Planck and Albert Einstein, are, therefore, to be emphasized as a crucially important sort of excellent examples of modern examples of discoveries which meet that specific standard for a true discovery of principle: as, for example, discoveries of *thermo-nuclear* capabilities, presently, and, then, some time later, those ends which have been proposed under the name of *matter-anti-matter,* as indicated presently for somewhere in times beyond.

That, which I have just stated, immediately above, is also what I will return to repeatedly, as follows, below.

The Shortfalls of Mankind Today

Mankind is represented, to our present knowledge, by no other than one very much specific, certain, single species and its principle: *mankind the fire-bringer*.

Some among us, often even many talented persons among us presently, do not measure up to that needed standard in human performance; but, they remain as having the natural right to be given the implied present option of participating in that potential. Those who are not crippled in their presently immediate practice, are therefore to be presented now with the evidence needed to remedy the fact of failures, the fact that there is a relatively large ration of the total human population which, unfortunately, has not yet been actually given the means to develop what are, manifestly, truly creative such necessary abilities in practice.

The practice of human slavery continues to be only one example from among the cases of a popular deprivation of "the will to know;" but, in modern human society this far, a relatively large class of human persons has been more or less deprived of the developed capacity to recognize the essential role of the same creativity which has been exemplified in practice by the greatest scientists, poets, and Classical artists generally. The lack of such skills, can be attributed to the impact of the implications of corrupted and corrupting tendencies in the shaping of practiced cultures of peoples; a condition which must be changed to defeat the world's presently monstrous, Anglo-Dutch-led crisis of the world at large.

Truly human behavior is to be freshly defined as *the creative power to generate knowable qualities of products of genuine creativity, products which are specific to knowledge gained from an experiencing of a discovery when it had been known as if received as knowledge from the future*. Heretofore, this knowledge of the future has been made known chiefly by such as the true scientists and Classical artists, meaning the inclusion of scientists such as the aforementioned Max Planck and Albert Einstein, to whom I have referred on this account, above, and also to the greatest poets, Classical musicians,[5] and Classical dramatists.

The distinctions which I have just stated, immediately above, are those which express the distinction of fully capable human individuals, from among those who are in some degree representative of the class of subjects selected to serve under the domination of an evil class within society which is to be identified as such for their participation in tyranny, such as that of the current Wall Street types and their accomplices.

Actually Experiencing the Future

The specific quality of the "Human genius" is otherwise identified, properly, only by creating what had been previously regarded as the impossible deduction: it comes into existence as an experience which occurs only in the experience of *what had become already foreseen as the past's present future*.

As I have forewarned repeatedly over decades, in the course of my career as a physical economist in the principled tradition of the United States' founding economist, Alexander Hamilton: the greatest evil might be properly defined in its essential meaning as accepting what "you were taught in school and university under the proposition: 'Learn After Me'" The victim of that particular, commonplace foolishness, believes in the equivalent of the claim, that whatever is accepted by the teacher (or the teaching institution as such) is "Truth." Worse than that, is a student's cultivated interest in a kind of belief which might have been better

4. Cf. (again) LaRouche: **Nicholas of Cusa, Kepler & Shakespeare**, June 10, 2013; **How the Future Builds Its Past**, *EIR*, Aug. 23, 2013; **Now Return to the Future**, *EIR*, Sept. 20, 2013.

5. I.e., J.S. Bach's collection of **Preludes and Fugues**.



"Might not the pupil know more?" From Los Caprichos, by Francisco Goya (1798).

identified as "the a-priori arguments which the student is forbidden to doubt." In principle, such practice in teaching is, therefore, inherently fraudulent education. "The Unnecessary To Doubt" becomes, in practice, the inherently untruthful, and, therefore, what is to be regarded as properly meaningless, or worse.

It should be considered alarming, that under the influence of the regime under the administration of U.S. President Obama, the presently continuing changes in public influence on education of primary and secondary students, and also a large, and increasing ration among present university graduates, should be recognized as being held captive to the process of scholarly reductionism of a type which was once already known in my own mother's time, now more than a century ago, during her work as an Ohio teacher in her own pre-college days' time, when she had been working, in that time, to assist the reform of those Kentucky "hill-billy blab schools" located in steep hill-sides occupied by the poor. There should be no mystery in the fact that President Obama is, in his practice, a mere puppet of the current British imperial Queen, a Queen who shows no sense of shame for her bragging of her efforts for rapidly reducing the human population of Planet Earth from the current (or, already declining, at last account) seven billions human beings, to an accelerated rate of early decline to about a single billion, and aimed toward a significantly lower amount—perhaps, all relevant factors considered, to none.

It is no coincidence, that that Queen's ostensible sycophant, President Barack Obama, should have shown himself to have been complicit in fostering the acceleration of the mass-murderous "green pestilence," which actually requires the reversing of an already accelerating collapse of the presently false standard of both morality and human subsistence, a reversal of that currently on-going campaign of destruction of human minds, a reversal of those currently destructive practices under such as the President Obama regime, a correction which would be required for the hope for the future of nations. The same effect is to be recognized as common among persons who profess such fraudulent opinions as: "Not for me; I am practical." The continued existence of the human species, demands the leadership of those who bring on revolutionary discoveries of universal principles in the domains of Classical artistic compositions and physical science.

For example, the allotting of the making of what passes for knowledge among leading circles of nations now, often leads presently in the direction of a collapse in the quality of life of societies, even a probability of extinction of the people of some nations, exactly as we in the trans-Atlantic regions are now threatened by the influence of the current policies of the British Queen's Anglo-Dutch policies of genocide.

Consider the following section of this present report; the following sections include, unavoidably, some modest points which I had made a short time ago, in a recent publication titled **Now Return To the Future**.[6] The requirements of this present report's function, as a thesis-statement, demanded a modest amount of duplication in the following sections of this present report. The intent should be considered as speaking for itself.

6. See footnote 4.



Hieronymus Bosch's The Conjurer (1520) shows the trap of reliance on sense perception. Note that the man in the left foreground, eyes focussed on the pearl in the magician's hand, is having his pocket picked.

II.
Sense Deception

Remember that: Human sense-experience is chiefly divided between what, for one case, are merely ordinary "sense perceptions," such as what are literally those deductions which are to be contrasted to true discoveries of principle as such, principles whose true discoveries are not to be treated as if they were merely experienced deductions.

In the case of ordinary human communications, including ordinary sense-experiences as such, the message has been expressed as intended to be represented as a persisting trend of emphasis on "the literal content" of the communication as such, as a residue which is left to the audience to be treated as a merely literal intention of the communication itself, rather than being treated as reliable content as to the subject of actual ideas.

When the true subject of the communication were presented, effectively, as equivalent to the act of a discovery of a true scientific, or equivalent principle, the subject-matter does not correspond to a simply "literal statement of intention;" it is, instead, now expressed as a discontinuity in the field of communications as such, intentions which must be "interpreted" as occurring in the ordinary communication, but that only as an intrusive discontinuity in the fields of ordinary conversational meanings.

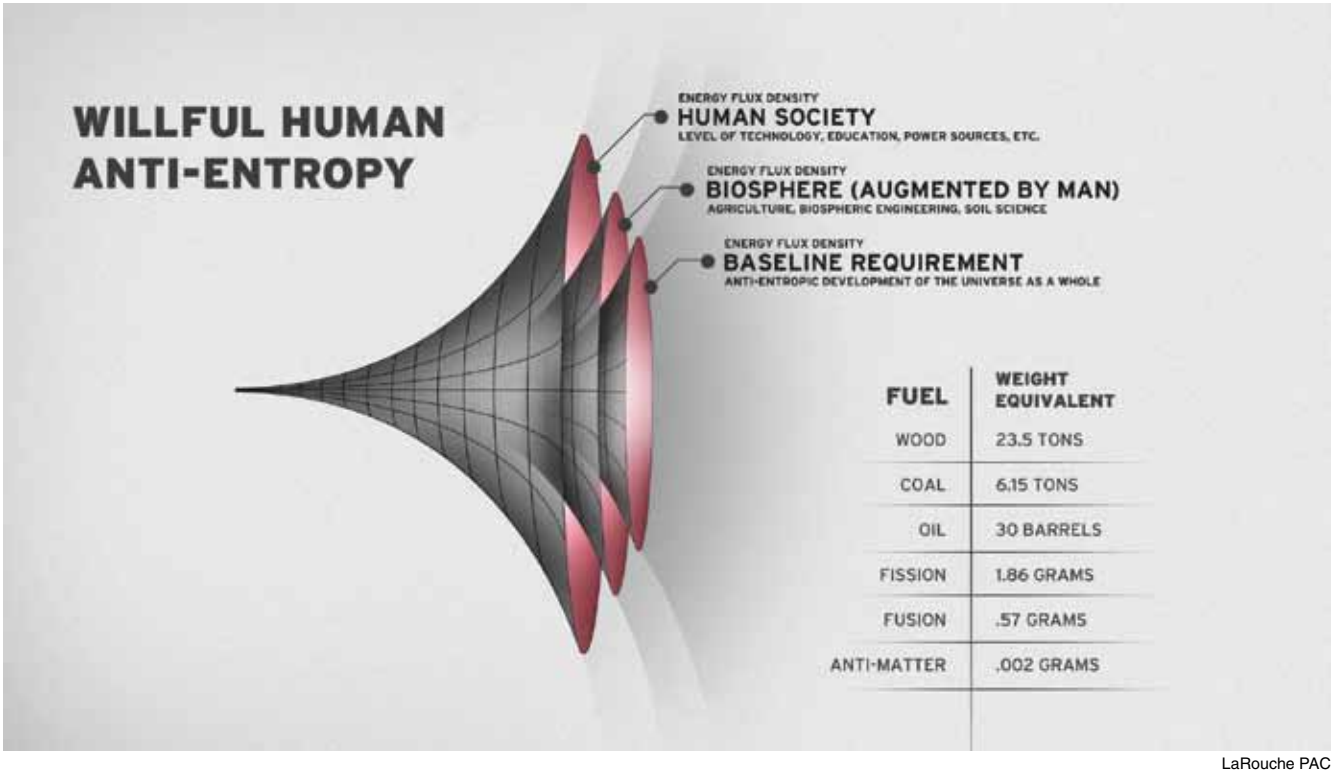
Scientific methods and those of Classical subjects of experiences, must replace assignable forms of merely literal forms of commonplace "meanings."

We may say, fairly, that statements rooted in ordinary sense-perceptual experiences (i.e., particular "sense perceptions") are "merely" subjective perceptions in their nature; whereas, the assignable meanings of valid scientific principles, or, of Classical discontinuities specific to artistic compositions as such, can not be properly so treated. These, latter, so-called "non-linear" cases must be treated as subjects in and of themselves, independently of simple sense-perceptual notions, as I now argue this in the following content of this present chapter.[7]

The member of the human species had necessarily appeared to have begun life as a member of his, or her species in that category, apparently as if to be regarded as somewhat, but only as somewhat like an

7. For example, truly Classical musical composition, as typified by the range from Johann Sebastian Bach, through to Johannes Brahms, is "non-linear." As a matter of contrasts: the compositions of Franz Liszt and Richard Wagner are premised upon essentially merely "linear meanings." Shakespeare's **King Henry V**, which features the role of "Chorus," falls into the same quality of category as the unique discoveries of principles by Johannes Kepler et al.

FIGURE 1

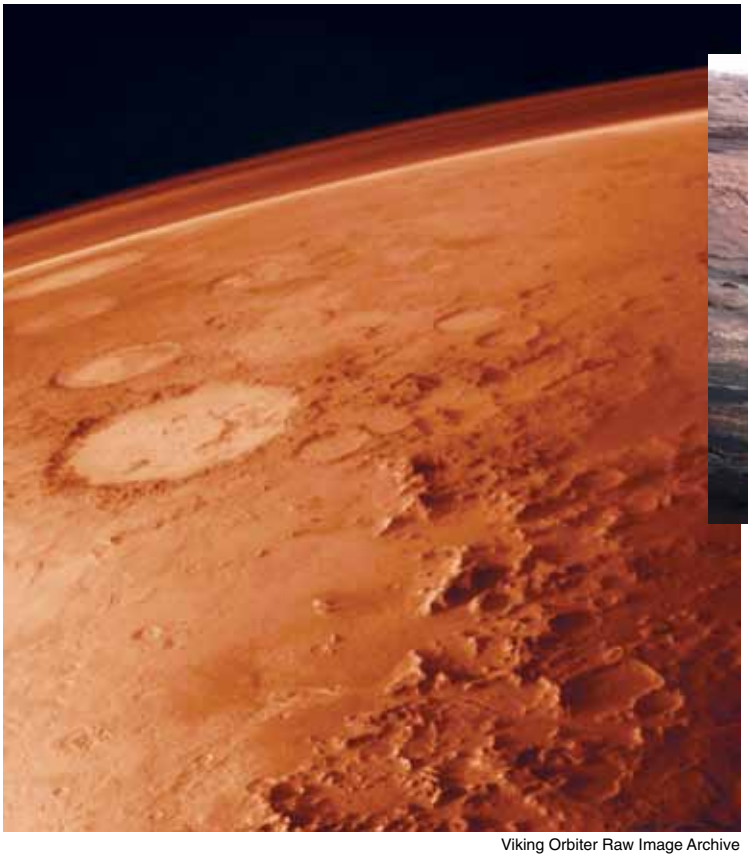


LaRouche PAC

"ape-man" intellectually; but, matters are actually shown, in due course, to have been obliged to be arranged and described otherwise. "He" or "she" had begun a life assessed, as known to some among us, as appearing to resemble that of a higher ape; but, the evidence of man as being no ape, was demonstrated, practically, probably early-on, on the evidence of the distinction of the human individual's unique use of forms, or equivalents of fire, the same notion of "man's use of fire" which has defined mankind as "no ape" ever since.

It should now be common knowledge of civilized modern societies, that, from that "whatever ancient" time, on, man's essential evolution has always remained as being man's changing relationship to a succession of ontologically higher orders of the quality of expressions of what we may term, categorically, as equivalent to "fire:" as "fire" is so defined from an overview of the chemistry of those rising states of relative energy-flux density, which, in turn, lead toward successive increases of relative physical-chemical modalities of man's use of the successively rising order of the categories of successive equivalents of "fire" (e.g., "the higher temperatures"). That now extended process of evolution of human society, has now brought our species up to, and into the use of thermonuclear fusion, that means which is now serving as the modality on which the necessarily required, present existence and future condition of mankind on this planet depends. The very notion of mankind's history, on this account, points toward a prospective future of what Albert Einstein had foreseen as a prospect for reaching to the foreseen prospect of the achievement of a condition of "matter/anti-matter" processes.

I now repeat, this time for the sake of properly needed emphasis: That the notion of a definition of difference defining the human species, as a species, is in accord with a sense of direction leading toward the implications of that notion which ranges from thermonuclear technologies, into a direction toward that of conceptions of a presently hypothesized notion of "matter/anti-matter" technologies. In the same sense of ordering, we note that the rising scale of human expression of energy-flux-density-driven rates of growth of the power, per-capita of the human species, is an ostensibly irreversible requirement for even the mere sustaining of the continued existence of that human species. It is that process of progressive change, upward, as a manifold



Viking Orbiter Raw Image Archive



NASA/JPL-Caltech/MSSS

Mars is a forbidding planet from the standpoint of human life there, under current circumstances, but our presence can be increased without physically going there, for the time being. Left: Mars' atmosphere, photographed from low orbit. Right: A photo of the base of Mount Sharp taken by the Curiosity rover, Aug. 23, 2012.

conception, which must be preferred as the upward-turning, intended notion of the destiny of the human species, as we, on Earth, have known its experiences this far: as "the virtual law of the survival of mankind as a species." This body of what are simply truths, is directly the opposite to the demands of the sentiments of the current Queen, Elizabeth II of an "Anglo-Dutch" Britain.

That distinction follows from the known facts of the histories, not only those of mankind in general, but through a view of the specific varieties of expressions of the brutish intentions of past "great empires," empires such as those which have dominated vast arrays of even very numerous populations which have been kept as mere subjects of empires: cases such as that of ancient Rome, or of the assorted victims of the contemporary, implicitly globe-straddling, globally dominant, thoroughly wicked, Anglo-Dutch-Saudi imperium of the present time.

That, as a just-stated consideration by me, here, involves something more profound than the ordinary subject of oppressions of populations subjugated by empires.

The Impact of Empires

The principal effect of empires, such as the case of the Anglo-Dutch "British" empire presently, is currently a trend toward the "virtual debriding" of the systemically human quality of intellectual conditions of life, as that depravity has been done by means of the suppression of truly scientific progress, a suppression brought about by imperial interests and their subordinate agents of imperialist systems, such as the brutishly vicious, Anglo-Dutch imperialist order afoot in most of the world of today. It is, after all, the progressive development of the noëtic intellectual powers of the human species, on which the so-called "sustainable" existence of our human species now depends.

The case of Africa today, properly considered, is paradigmatic on precisely this account: as respecting the actual principle of murderous evil to which mankind has been subjected among many, even most, of mankind as peoples. Meanwhile, the Anglo-Dutch empire's imposition of an inherently mass-murderous, and also a stupefying, lowering of the standard of efficient energy-flux density per-capita, is now being spread throughout even those nations which had, earlier, sought some significant increase of the productivity of mankind, but, have now been sent downwards into a present plunge which is nothing other than the same

mass-murderous practices of proposed population-reductions of humanity itself as demanded by, among others, the present Queen of England, Elizabeth II, herself.

The Mars Mission, for Example

The subject of thermonuclear fusion has been, practically, an available reality for no less than four decades. It is in that context itself, that we have been more recently provoked to consider the prospect of bringing Mars very much closer (in the sense of *practically*) in fact, and, also in effect, than by attempted methods needed for a presently meager prospect of a viable system of human space-travel.

Happily, the accomplishment of man-launched landings of functional apparatus on Mars (without man's own, accompanying actual travel to that destination), has been accomplished in principle; and, the mere acceleration of the process by means of thermonuclear modes, improves that condition, even crucially, but does not change it otherwise. Respecting the future of an introduction of mankind into Mars, or comparable cases, what may become appropriate in that direction for, possibly, the concluding quarter of this present century of ours, is not to be forced upon the agenda presently. Man is not to be spent wastefully, as by merely reductionists' fantasies, when precious, more urgent space-missions for mankind are urgently needed. As for Mars itself, the acceleration of the development of robotic and quasi-robotic programs there, or in comparable cases, should be emphasized as a practically urgent and expanding mission.

Therefore, we must be forewarned, that the idea of an actually human landing on Mars, has tended to have been much over-rated by commentators from recently current generations. It is exerting certain forms of influence on what mankind, operating from Earth, can do, directly, or indirectly, *on Mars for Earth's purposes*, which is, indeed, properly typical of an immediately crucial importance as priorities for man on Earth, at this present time.

Only a poor, amateur-ranking explorer could presume that man's attempts at directly controlling developments introduced to "relatively nearby" planets or asteroids, is seriously "science" for the present time. Specifically direct human landings for operations proposed to be personally conducted by man residing very briefly on Mars (as was, and is properly done for the Moon, briefly, for example) as an exceptionally employed standard of practice, may better be postponed for a time much later in this century; *in the meantime there are practicable ventures based on improvements in man-directed robotics delivered to Mars*, *as in the case of dealing with asteroids*, which were more likely choices (practically) of assignments. Our Earth's Moon is obviously the uniquely appropriate meeting-place for defining a general program for developing an active interface between mankind and space-oriented robotics. Even the fact that the gravity on the surface of Mars is preferred to that on the Moon as such, does not supply a pretext for "pushing a manned Mars landing."

The most convenient illustration of that fact, is presented to us as the highly practical matter of the need of preventing an actual, or even merely partial destruction of human life on Earth from asteroid hits, a measure which would be prompted by preventing strikes of asteroids from within whatever might become our currently chosen belt for defense of Earth, or, also, for the Mars which is in the process of becoming "functionally" an increasingly important asset in participating in Earth's defense against such menaces as "asteroid attacks." Some threatening asteroids could be averted from that course; but that is not sufficient. The immediate object for our development of the controlled processes deposited for functioning in Mars, is the extending of mankind's various defenses of "colonized regions" within Earth's ever-widened choices of "neighborhoods" from within the Solar system.

Planning the Future in Space

I would propose that we estimate that the steps of count-down for man's probably future prospects for space projects within this present century, should divide the present century into lapsed-time spans of four "generations," each life so lived, to be defined as approximately twenty-five years of age: the twenty-five years' spans of individuals' personal lives, which would be required as representing the nominal requirement for producing a successful doctorate in physical science's ability to generate a matriculated specialist of the qualities of a matriculated professional participant in the tasks of "space engineering" by "earthlings" during the span of this present century. Contrast that consideration with the fact, that during the course of the present century, so far, the net rate of progress has become currently negative, and, so far, "accelerating" in that same miserable direction of "backwards." We might have hoped to have overthrown that trend before 2050 (if we are fortunate); but, only a project of the specific type I

have proposed as an example in this present report, would promise the kind of illustrations of results which I have indicated here.

The Problem with Sense-Perception

Take four actual ranges of cases which, inherently, properly warn properly well-educated people against notions of "self-evident" trust in sense-perception. In the meantime, if you prefer the enjoyment of pain, sense-perception is an efficient mode for your choice of practice. I think it highly relevant that we interrupt further discussion of the limits just stated, with a pause, that done in order that we might pause to consider the following, probably troublesome, but necessary argument:

Nonetheless, the mistake of regarding *mere sense-perception* as a determinant of "truthfulness in general," appears to have always been, not only a virtually capital mistake in opinion for any design of human practice, but also merely a trick used to degrade the ignorant into submission to a virtual state of something threatening to become actual slavery: in other words, a state, sometimes named "common sense," which has been developed and sustained as being built as a captors' trap for the human species' own breed of incautious under-dogs.

But: Only the Fooled, Trust Sense-Perception

The attempted estimates for the usefulness of sense-perception for the human individual's ordinary experience, suffer the drawback that that experience is merely a matter of sense-perception, "after all;" all the evidence in the world could never honestly present sense-perception as being, honestly, the standard required for measuring the most crucial among the prospective facts which we must come to know.

Out of that concern, we must take into account cases such as that represented by Johann Sebastian Bach's **Preludes and Fugues**.

Let us begin this part of the discussion with a focus of attention on the related efforts of the great Renaissance leaders Filippo Brunelleschi and Cardinal Nicholas of Cusa, who were the predecessors of the most crucial role of the work of Johannes Kepler in the process of the founding of modern physical science. Note, with special emphasis, precedents including such as Brunelleschi's crafting of the Cathedral Dome of Florence, and Cusa's own thesis in that **De Docta Ignorantia** which had supplied the essential basis for Kepler's indispensable contributions to the founding of modern physical science. Consider the particular importance of the contributions of Nicholas of Cusa and Kepler's crucial, but rarely comprehended interrelationship between his notions of *vicarious hypothesis* and the notion of *metaphor*, which I had treated here earlier in my June 10, **Nicholas of Cusa, Kepler & Shakespeare**. None of these three cases corresponds in principle, to common use of the forms associated with the ordinarily spoken language. On several occasions, I have emphasized the intrinsically "non-linear" characteristics of truly physical principles (except for purposes of relatively crude simplifications chosen as to be regarded as forced impositions of arbitrarily chosen, linear correlatives).

Take the subject of *Human Life.* Show me how you choose to *measure* the difference-in-principle, between what we call *a state of life*, and that which we call *a state of death. How would you measure the action which generates that difference? Obviously, both cases correspond to an object which finds no linear measurement which could represent such a system of "connection." "Non-linear" fails as a term of action in such cases. The attempts to interpret those unique categories of merely description are intrinsically absurd when regarded as anything better than illustrations of the useful use of crude approximations. We are, therefore obliged, in such cases, to discard all attempts at merely linear definitions; yet, those phenomena are real as mere phenomena, whereas the popular expressions of "scientific description" are inherently absurd in fact. "Non-linear" can not do justice to the actual conception to be considered: you cannot carry a "bucket of life," although the actual conception controls measurable actions which might be experience-able selections, as if in the domain of sense-perception.*

There are hints at the solution for this apparent paradox: The attributed aphorisms of the ancient, Classical Greek Heraclitus, such as, water does not flow through the same river twice, are related to the still much-needed denunciation of the fraud perpetrated in the name of the hoaxster, Euclid. I explain the problem.

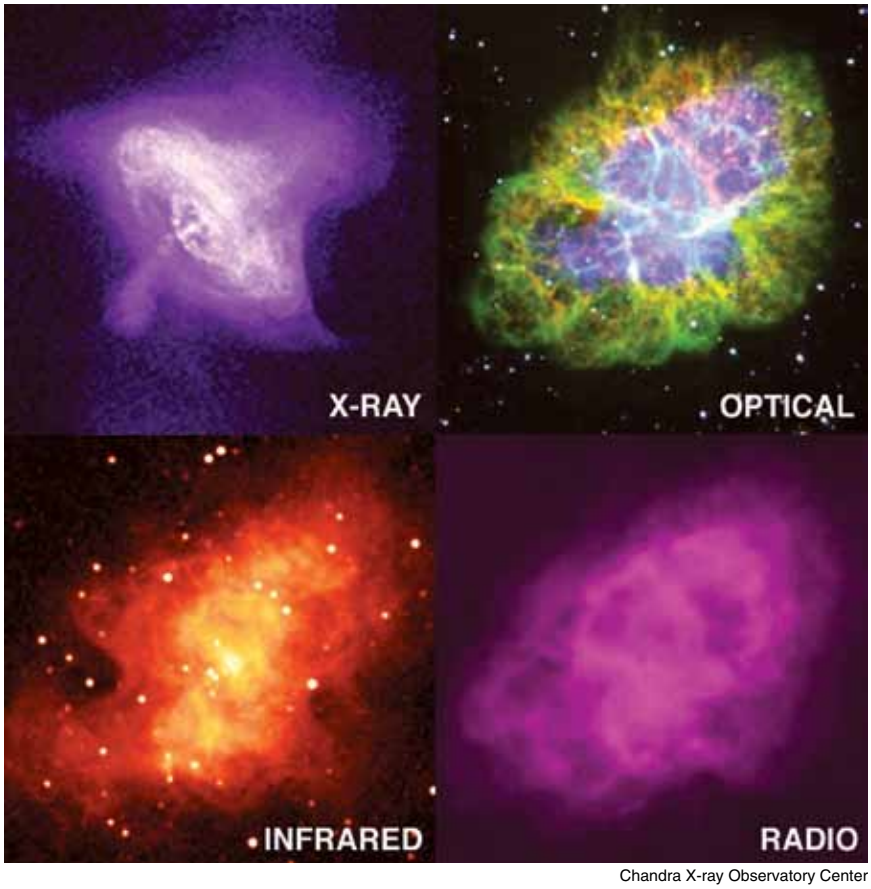
The Fraud of 'Euclid'

The fraudulent character of the radically reductionist form of dogma of the notorious Euclid, was clearly understood, and stated, in an appropriate fashion, among Christian and Jewish scholars most notably, during the time of the Roman Empire. The notion of a system based on slavery, has been a long-time characteristic of the slavery-based practices of oligarchical

rule, as in the Anglo-Dutch-Saudi system of virtual slavery practiced still today. Euclid and Aristotle, like Euclid, have been typical of the rabid irrationalism of systems of slavery or quasi-slavery through to the present time, as the Saudis exemplify such fraudulent "beliefs" still today.

The prevalence of such fraudulent systems of belief remains, still today. These are a hallmark of the practices of traditions associated with the deeply rooted traditions of systems of slavery which have been inherent in the existence of what is to be classified, still today, as "the oligarchical system," the same oligarchical fraud taught in schools today, which ancient Rome shares in common with the present world-wide empire known as the Anglo-Dutch (e.g., "British") empire of today.

It is necessary to examine that connection traced from the siege of Troy to the legacy of present systems of government from then, as reflected as echoes from the ancient past today.



Chandra X-ray Observatory Center

The Crab Nebula as "seen" by four different instrumentalities. No one dimension of the human sensorium can give a truthful image of this amazing celestial object.

III.
Not Only When, But Why Should Mankind Enter Solar Space?

Do not be foolishly misled any longer, by the delusions lurking in a continued belief that sense-perception is a basis for evidence of truth. Sense-perception has its practical uses, which are not to be disregarded, but, they are also only limited forms of usefulness for people whose minds as well as their mere bodies are confined to the experiencing of human life on Earth. Once man attempts to define life as man "normally" experiences it, but also works to define man's existence in terms of the Solar system beyond, the amateur inside the person tends to reject, even with desperation, what he, or she, tends to regard as "impossible," and to cling to that popular myth with the desperation of a person misled into virtually religious worship of a "certainty of sense-perception for its own sake."

Even some significant students of science fall into the same illusion with a certain degree of frenzy. Consider, for example, the large ration of even students of physical sciences who will tend to rely on sense-perception as their choice of a standard for measure of relations of gravity in "empty space." The root of the problem, in such cases, is the consolations of believing that sense-perception within the bounds of Earth's habitations is the "yardstick" for "measuring" existence within the fields of gravity which they "feel," or even "smell," that they have experienced here on Earth. We must insist, instead of such misguided "certainties," that everything on Earth and within the Solar system, or the galaxy, and so on, is the container of what is possibly true even on Earth.

The only true universal knowable by mankind is the universality of all that which contains human life on Earth. Contrary views exist, but, in the greater span of things which matter, they are only childish fancies to be outgrown in the course of any true progress of mankind, either on, or beyond Earth. In other words, persons who believe in simple certainties respecting existence on Earth, can not be permitted to claim to set

standards for that which affects life on Earth.

The source of that folly which I have just identified, is not inherent in the human species as such, but is mostly in the nature of a foolish sort of religious belief which would be spurned by the actual Creator. On that account, the Christian Testament were a better approach to science than that of the pitiable so-called "practical atheist." The nearest of the relatively widespread insights in the proper direction, is the attitude of devotion to what can be actually discovered of "the forces of nature" which mankind on Earth can experience from closer experimental approaches to discovering how the Solar system reacts to the existence of mankind on Earth. The zest for such knowledge, is typified by that of Nicholas of Cusa and his follower Johannes Kepler, in their role as introducing the foundations of a competent modern science in spite of the legacy of Cusa's enemies, such as the reductionist school of fools such as silly Isaac Newton and the Anglo-Dutch successors of the purely evil rulers of the Roman Empire.

It was Cusa's commitment to a society beyond the great oceans outside of Europe, which created what became the United States, and which continues the resistance against the evil influences which have dominated such regions as those toward which Nicholas of Cusa had aimed in creating the foundations of the development of an anti-oligarchical system, opposed to that which still dominates imperialism-ruled Europe.

The search for the future existing in our Solar system, and beyond, is the search for truth existing in the universe, as much as on Earth otherwise. The true heroes, and also, I think all true scientists, poets, and Classical musical composers, qualify in common as the immediately manifest potentials of the role which we know, from our experience of discoveries, as the truth which we are seeking when we reach out to the experience of the Solar system, beyond. It is the seeking of the truth, despite all actual or would-be empires, which is the only source of truth concerning our universe.

In all that I have composed respecting such matters, it is this view, which I have just emphasized here, which is the only source of truth to be known by mankind through the broadening of our own experience of the universe thus far. When we, like fools, rely upon habits of man's common experience of sense-perception as such as a test of validities, we have often brought our own destruction upon us. Truth lies in its search for its own identity.

That which I have just prescribed here, must now replace those so-called traditions of imperialism and its likeness, which are presently centered in the oligarchical principle of the "British," and also "brutish," Anglo-Dutch-Saudi empire which is ruining the life of humankind, and threatens even worse, on this planet now.

For Example:

The history of mankind's existence as what we might recognize as mankind, is finite in respect to known practice. We are a unique species, unique because we express—at least some among us—a commitment to what we regard as the humanity which is defined uniquely by the capacity to foresee the existence of the actual future.

We, for precisely that reason, are distinguished, essentially, from all other presently known cases this far, as having been living species of that specific distinction. However, within that just-stated context, we share an always relative future, so far, of those who worked toward the goal of bringing such progress about, as I have done, this far, in approaching, sooner or later, the end of this experience. In the meanwhile, I must still presently seek, not so much to have realized available steps of future progress, the which I have, plainly, done, but to live as having been devoted, as if relentlessly, to certain changes for the better in the specific category of an eternity of human progress—whatever human progress may turn out to have been in various stages of a continuing purpose.

The essential change which I must emphasize here and now, is that. On that account, I emphasized the future, as in those terms, rather than seeking the rewards in pleasure this side of the future of mankind. My essential motive has been that, and will probably continue for as long as my faculties and passions might continue to exist. That—precisely that!—is the proper expression of living an appropriately human life. There is no death in such matters, only a continuation of that progress on which the meaning of human life, of everyone, should hopefully depend.

We now hover so, on the threat of, or escape from the terrible consequence which some presently ruling nations might, or might not bring down, now, upon themselves.

More could be said, but looking at the possible future, as I have indicated here, above, must be recognized as a continuing devotion to the process of reaching out from our earthly habitat, into those wonderful moments which I have already experienced, this far.

Nuclear Agro-Industrial Complexes for NAWAPA XXI

by Liona Fan-Chiang

This is the fourth in our series of articles from the 21st Century Science & Technology Special Report, "Nuclear NAWAPA XXI: Gateway to the Fusion Economy." See EIR, Sept. 13, Sept. 20, and Sept. 27 for previous coverage.

> In my judgment, the real economic potential of nuclear fuel is no more captured in its substitution for fossil fuels in large-scale electric power stations, outstanding technological accomplishment though this is, than was the economic potential of petroleum realized when kerosene replaced whale oil in lamps used in the home.
>
> —*Sam H. Shurr, "Energy and the Economy," Energy: Proceedings of the Seventh Biennial Gas Dynamics Symposium, 1968*

NAWAPA XXI requires an intensification of productive output, more important than quantitatively—qualitatively. This will be achieved by applying a more powerful principle across the board, from raw-material extraction, to the processing of the end product. The horizon which guides us today is thermonuclear fusion. Let the achievement of an economy based on the principle of fusion drive our transition, now, into an economy built on nuclear fission.

Begin this transition at NAWAPA XXI's new productive powerhouses—nuclear-driven agro-industrial complexes which are centers of mass industrial and agricultural output. Since we will be building many industries anew, we have the opportunity to pre-plan these centers of output to make the most of the new nuclear plants, as well as the most of those new and retooled industries. These industrial centers will be fully integrated, driven by nuclear power plants, and flexible enough to assimilate new technologies at all levels, especially upstream. Integration will allow efficient application of both the secondary products of fission, namely heat, steam, and electricity, as well as the primary products, namely radioactive elements. The use of coal, petroleum, and natural gas for more efficient purposes than as energy, will be a byproduct of preparing the foundation for a fusion economy (**Figure 1**).

Products of Fission

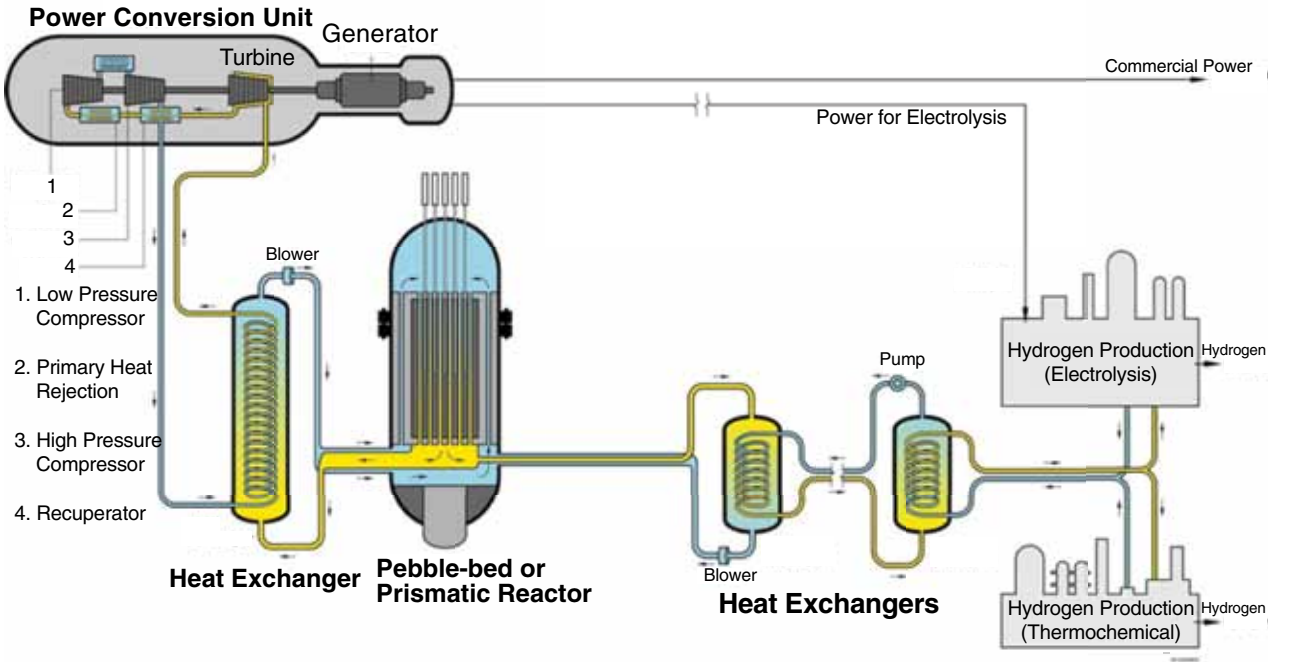
Nuclear agro-industrial complexes will be centered on an array of nuclear power plants designed to provide the products of the nuclear-fission reaction. Electricity, steam, heat, and fission products, all produced by nuclear power plants, can be directly fed into the industrial process.

Within nuclear reactors, there occurs the amazing process of altering elements by splitting atoms, not to create waste, but to create multiple other atoms, which are not the same element as the first atom, or even as each other. As a byproduct, large amounts of heat are created. In the most common reactors today, this heat is used in the same way as is heat from the burning of coal and natural gas. The heat is eventually used to boil water, creating steam that can be funneled through a turbine to generate electricity. This electricity contains approximately 30-40% of the energy that came out of the fission reaction as heat. What happens to the rest of the heat energy, and the newly created atoms? Today, they are wasted—rejected as "waste heat" and "nuclear waste."

The U.S. industrial sector, as dilapidated as it is, currently accounts for one-third of the total energy usage of the United States. Much of this energy is consumed in the form of process heat and for producing steam. For example, the steam requirements of the largest chemical plants are around 4 million pounds of steam per hour, at 200 to 600 pounds per square inch (psi). Similarly, for a 500,000-barrel-per-day oil refinery, roughly half of the 4,000 MW (thermal) of energy input required could be steam, while the balance is high temperature process heat and electricity.[1] According to the U.S. Department of Energy, "Nearly 49% of all fuel burned by U.S. manufacturers is used to raise steam. Steam heats raw mate-

1. "Nuclear Energy Centers: Industrial and Agricultural Complexes," Oak Ridge National Laboratory, 1968.

FIGURE 1



Heat transfer from a nuclear reactor

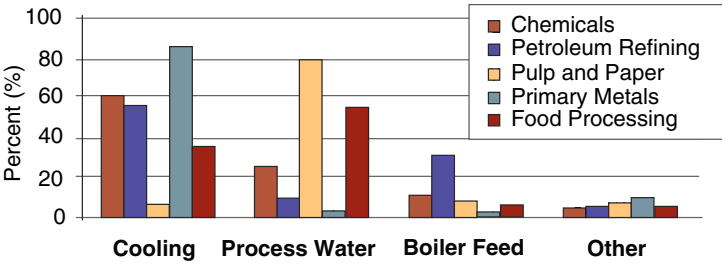
rials and treats semi-finished products. It is also a power source for equipment, facility heating, and electricity generation."[2]

Nuclear-powered industrial complexes, with their array of reactors,[3] can be designed to supply the heat needs of many different industries—industries which require steam at different temperatures and pressures, as well as direct heat at a higher range of temperatures.

Steam from nuclear plants, paired with the nearby coolant water source provided by NAWAPA XXI, and supplemented by desalinated water from desalination plants, can meet many of the intense water requirements of industry and agriculture (**Figure 2**).

FIGURE 2

Water Use Type



Source: Ellis, Industrial Water Use and Its Energy Implications

Breakdown of how each type of industry uses water. Boiler feedwater is water used to supply a boiler to generate steam or hot water.

While steam temperature requirements are typically in the range of 120-540°C (250-1,000°F), direct heat temperature requirements are often much higher, at 800-2,000°C (1,500-3,600°F). NAWAPA XXI will require approximately 300 million tons of steel,[4] requiring temperatures up to 1,370°C (2,500°F) with current technologies, and approximately 540 million tons of cement, which require temperatures up to 1,450°C (2,640°F). Below is diagram of a few industrial processes and their temperature requirements (**Figure 3**).

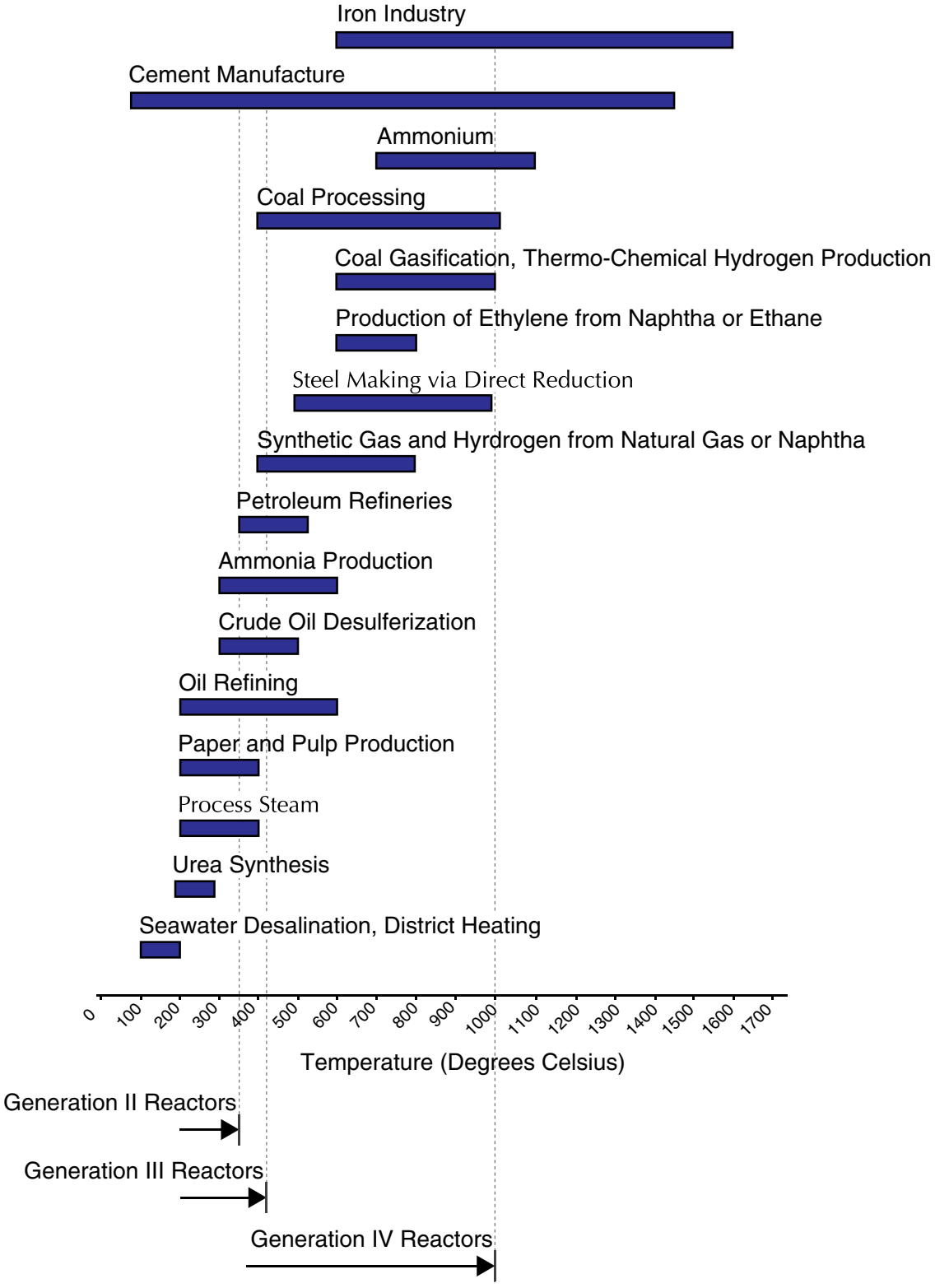
You can see that the second- and third-generation nuclear reactors of today are not able to meet the requirements of most of these common industrial processes. Fourth-generation reactors can meet a majority

2. U.S. Department of Energy Steam Systems

3. Besides having more flexibility to add reactors, the arrangement of reactors in a bundle, all feeding into the same set of steam, electricity, and heat infrastructure, allows the freedom to have one or two in maintenance at any one time, without affecting the supply to industries, many of which run continually. Since steam and process heat are not as easily transported as electricity, this will all have to be preplanned into reactor designs.

4. The annual U.S. steel production for 2013 is estimated at 65 million tons. (http://www.steel.org/About%20AISI/Statistics.aspx)

FIGURE 3



Comparison of common industrial-process heat-temperature requirements, with nuclear-reactor temperatures.[1]

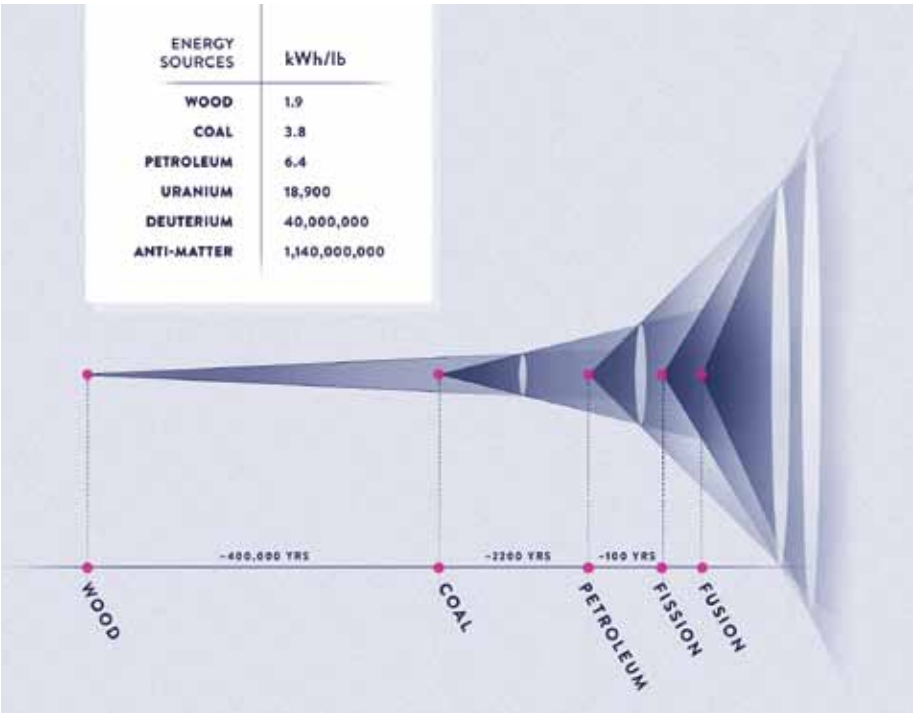
1. Produced from figures obtained from Majumdar, "Desalination and Other Non-electric Applications of Nuclear Energy," IAEA, Lectures given at the Workshop on Nuclear Reaction Data and Nuclear Reactors: Physics, Design and Safety, Trieste, 25 February-28 March, 2002.

of these needs, and these will have to be fast-tracked, out of the testing phase they are in today.

The broad use of high-temperature fourth-generation nuclear reactors in these production units will change the whole industrial landscape. Not only will they serve to replace low-energy-density coal, oil, and natural gas for many current industrial processes, but more importantly, they will create new types of industries and products, while reshaping and multiplying the productive output of existing industries. For example, among many other uses, the centralized mass production and delivery of hydrogen could replace two-thirds of the production cycle for ammonia (NH_3), one of the most widely produced inorganic chemicals in the world.[5]

Many more technological breakthroughs will need to be made to eventually replace the higher heat requirements currently being supplied by fossil fuels. Once abundant electricity, steam, and heat, at increasingly higher temperatures, are available, many methods of production evolve and many previously exotic products, such as more advanced specialty steels than can be produced today, will be integrated into mass production, providing the platform for a fusion economy.

FIGURE 4
Energy-Flux Density



LPAC

This progression of cones of increasing pitch show the natural progession of sources of fuels of higher energy density. Apexes represent the time of their discovery. As a new cone reaches the previous one, the old technology becomes eclipsed in its use in the economy. Both the rate of discovery, and the relative energy ratios are increasing dramatically. Deuterium is used here as the fuel for fusion reactions.

Figure 4 shows the energy content of different fuel sources. One pound of petroleum produces 6.4 kWh of energy, while, with breeder reactors, which breed not-yet-fissile fertile fuel into burnable fissile fuel during operation, 1 pound of uranium can potentially produce 18,900 kWh.[6] If you have ever been stopped at a railroad crossing to wait for a coal train to pass by, then you have seen a part of the vast amount of infrastructure, time, and manpower consumed by the use of approximately 1 billion tons every year in the United States alone. In contrast, breeder reactors can be designed to burn the initial fuel for the lifetime of the plant, eliminating the fuel transportation cost after installation altogether.

As can also be seen in Figure 4, human economy has always been based on progressing toward use of fuels of higher energy density. However, fuel is only a reflection of the underlying principle in operation at any one time. This type of progression must occur at all levels, not just at the fuel source.

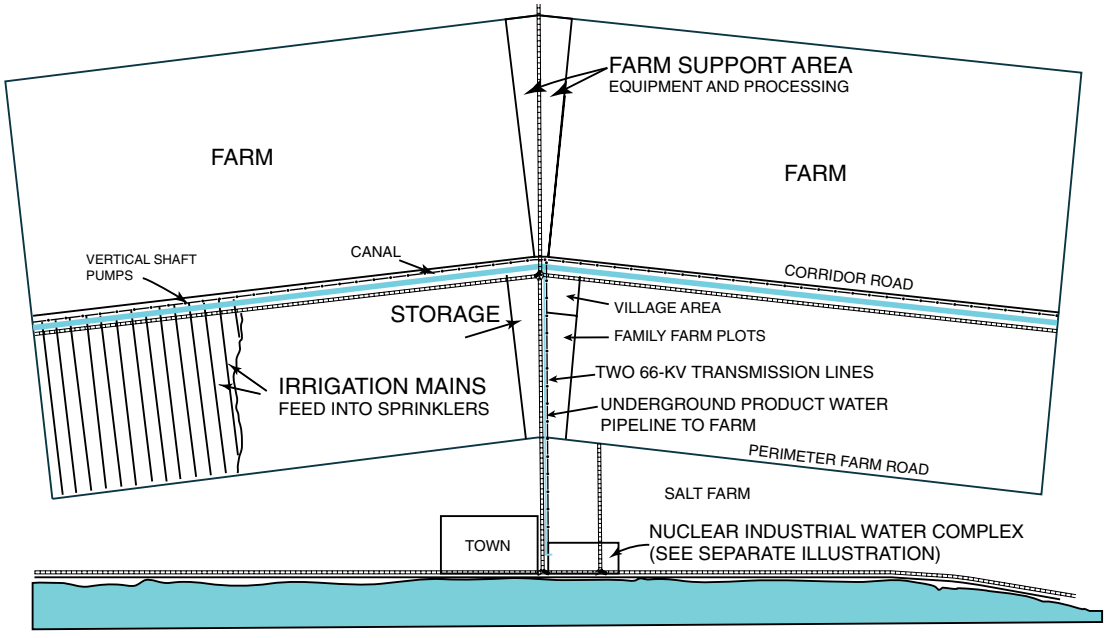
Advanced Industry and the Nuclear Platform

Nonlinear increases in productivity will not come from better integration alone. Replacement, as much as possible, of machine tools, with already available computer numerical control (CNC) laser machine tools, is a way to introduce the high energy-flux density of laser technology into all the processes downstream. Many other uses of lasers throughout the economy, such as

5. Eighty-three percent of ammonia is used for fertilizer. Currently, the constituents of ammonia, hydrogen, and nitrogen are obtained from natural gas (or liquified petroleum gases, such as propane and butane), air, and high-temperature steam (700-1,100°C). The process creates carbon dioxide and water as byproducts.

6. In breeder reactors, non-fissile Th-232 and U-238 absorb neutrons to eventually become fissile U-233 and Pu-239, respectively.

FIGURE 5
Nuclear-Powered Agro-Industrial Complex



Oak Ridge National Laboratory

This is a 1967 proposed design of an agricultural-industrial nuclear-powered complex by Oak Ridge National Laboratory. The image shows that industrial centers can be embedded into agricultural areas which benefit from both the industrial output, including electricity and fertilizers, and the desalinated water supplied by the complex. Underground piping takes water through irrigation mains to a sprinkler system. Storage and processing equipment is on site. These agricultural units will use the locally supplied desalinated water—or water newly derived from NAWAPA XXI—for irrigating soil, for hydro- and aquaculture, and for growing trees and other vegetation for both food, and for land, water, and weather reclamation. Advances in the industrial sector will feed into agriculture's goal of continually increasing the technology density per area of land.

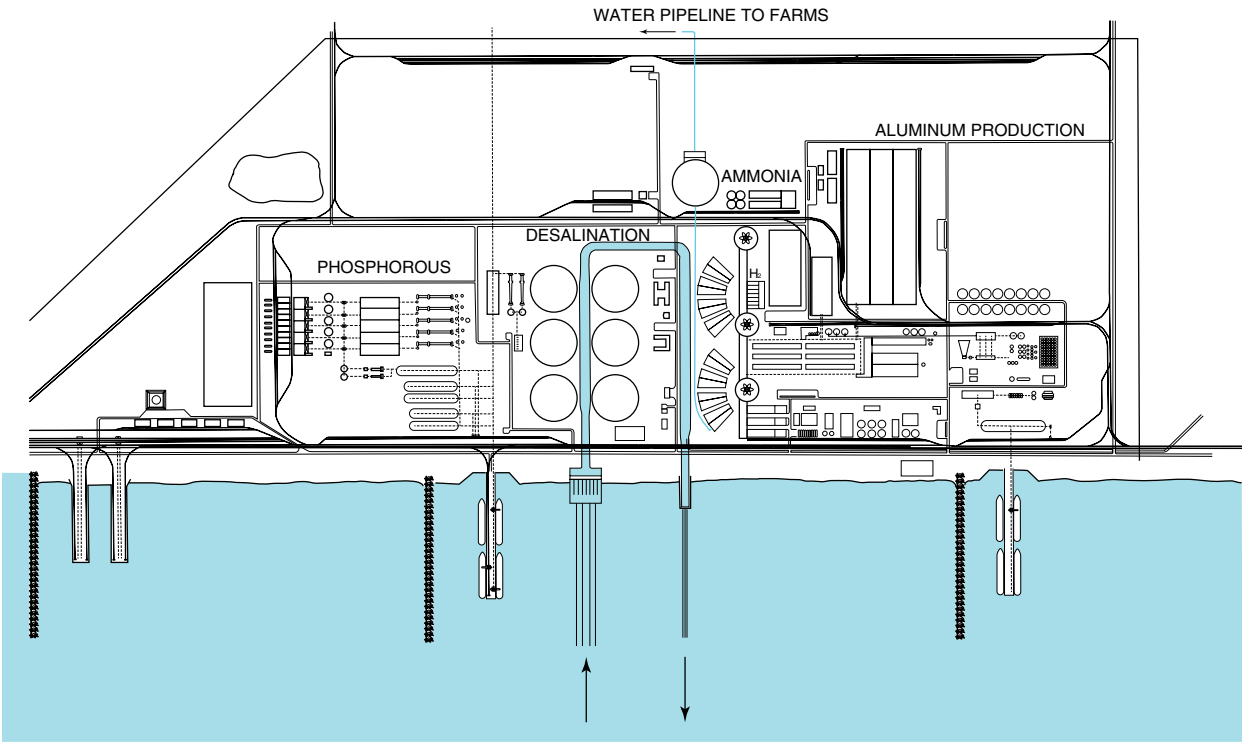
the tuned catalyzing of chemical reactions, will also drastically increase the rate and quality of production (**Figure 5**).[7]

The use of low- and high-temperature plasmas for processing material such as steel will also have a large impact on the productive process. Requiring some of the highest temperatures of common industrial processes, steelmaking can largely be transferred over to furnace designs which will utilize the very high temperatures and other properties of plasmas to process the iron ore into any desired steel alloy.[8] Ultimately, besides the coolant, the temperature limit of fission reactor designs will be determined by materials increasingly capable of handling high heat, corrosion, and neutron degradation. These limits, however, are not inherent to magnetically confined plasmas. High-temperature plasmas, and ultra-high-temperature plasmas of controlled thermonuclear fusion, can reach millions and tens of millions of degrees Celsius. With them, humans will be able to interact with, and control matter, the way the Sun does. With fusion plasmas, humans will even be able to synthesize needed bulk raw materials from the contents of landfills.

Yet another upgrade in the productive process comes from the most valuable product of the fission reaction. The remnants of the fission reaction are high-grade ores, which not only contain elements which we commonly use, but also isotopes which cannot be, or are not easily, found in nature. Breeder reactors, which "breed" more fissile fuel during operation, can potentially use up all the larger, more radioactive elements (the actinides, having atomic numbers 89-103), leaving behind neutron-absorbing fission products. Like "waste heat," it is also now called "nuclear waste," and considered a hindrance to the fission process. Rather than a hindrance, fission products must be a primary product of specialized reactors, designed specifically to create, collect, and deliver these valuable resources. Fission products, such as molybdenum-99, which is not found in nature, but whose decay product, technetium-99m, is used

7. See "The Nuclear NAWAPA XXI & The New Economy," Appendix 2 (http://larouchepac.com/nawapaxxi).
8. The plasma arc design is already in use today, though not widely.

FIGURE 6
Nuclear Industrial Water Complex



Oak Ridge National Laboratory

This bird's eye view of a 1968 Oak Ridge National Laboratory design of a prototype nuclear-powered industrial complex, shows six main industrial processes: aluminum, ammonia, hydrogen, phosphorous, and desalinated water, all feeding off of the electricity, heat, and steam from the three nuclear power plants near the center. A small channel brings in ocean water for cooling and desalinating. A pipeline runs desalinated water out to farms. Oak Ridge designed the complex so that material would be mostly transported within the complex by conveyor belt (broken lines). Also included in the center are research facilities, fire station, machine shop, and administrative facilities.

widely for life-saving medical imaging, are already important factors in our standard of living (**Figure 6**).

Well-funded research into the nature and uses of the controlled transmutation of elements, especially into natural transmutation within the biological realm, is long overdue. In addition, the full ability to make and manipulate isotopically pure materials, by exploiting their particular resonance frequencies, will define a completely new degree of freedom, of which we see only a glimmer in the current uses of isotopes (primarily as radioisotopes).[9]

Conclusion

During the construction of NAWAPA XXI, nuclear-industrial complexes would be ideal for new industries in the Great Lakes area, where the raw materials for steel production are in close proximity. Plants producing over 50 GW of electricty will be located in and around Idaho for the most demanding of the water-pumping requirements of the NAWAPA XXI water-distribution system. These plants provide much more than electricity, if used to produce more nuclear plants, as well as other materials needed for the construction of NAWAPA XXI. Nearby will be medical research facilities, as well as plasma research facilities, preparing the way to a fusion economy. Units in Alaska can be specialized to produce warm working environments, and supply nearby emerging cities. Agricultural units, with embedded industrial units, could be placed in the Southwest, along the NAWAPA XXI route, or along its tributaries. Each will be tailored to the specific required industrial or agricultural cycles. These units will be crucial for developing the Pacific Development Corridor, strung along the corridor like the cities which connected the east and west of the United States during the construction of the transcontinental railroad.

9. Forty percent of the world radioisotope supply comes from Chalk River Laboratories in Ontario, Canada. Only laboratory amounts are produced in the United States.

Editorial

Glass-Steagall In, Obama Out

With the partial shutdown of the U.S. government on Oct. 1, the crisis of the dominant political-financial system in the trans-Atlantic region went into a new phase—a breakdown crisis. It is "a crisis beyond belief," as Lyndon LaRouche put it, with no prospects for any resolution that does not result in chaos, mass murder, or both. Unless certain very specific measures are taken.

This crisis did not start yesterday, or even with the Obama Administration, vicious as it is. The destruction of U.S. constitutional government has proceeded at an increasingly rapid speed since the assassination of President John F. Kennedy, in whose aftermath the pursuit of scientific and technological progress was abandoned in favor of a new financial imperialism. Sept. 11, 2001 represented a huge ratchet downward, as the British-Saudi empire's terror assault became the excuse for its accomplice George W. Bush to impose police-state measures and new wars, which have further gutted our republic. Congress, and political leadership in general, have become cringing cowards, afraid to address the fundamental crimes being committed against their own nation.

With the current Congress, however, we have hit a new low. Barack Obama is a clinically insane Nero figure, controlled by the British Empire and its U.S. extension in Wall Street, and determined to ram through the genocidal program devised for him, as epitomized in his Hitler health program for eliminating "lives unworthy of life." The Republican Party is dominated by insanity as well, primarily of the type of "money über alles," which rejects the core commitments of the U.S. Constitution for promoting the General Welfare.

Thus, the current blackmail game, in which the American public, and the world, are the real losers. Obama, for his part, is being told that a government shutdown is a political "winner" for him; some Republicans are calculating that the shutdown will aid them. Concern for the future of the nation is the furthest thing from their minds.

What must be done is a radical change in policy, which LaRouche again specified Oct. 1:

"All we can do right now in the United States is buy time, and the beginning of buying time comes with Glass-Steagall. Without Glass-Steagall, you got *nuthin'*. It has to be full-throated Glass-Steagall and nothing different. Because only by using Glass-Steagall, which is the only way, we can get a credit system. Without the presence of a credit system, if you're trying to go on a monetary system, there's no possible way you can survive. The only way you can survive is a credit system, with no monetarist system in it. And that doesn't give you a solution; that gives you the *possibility* of finding the solution and building it!

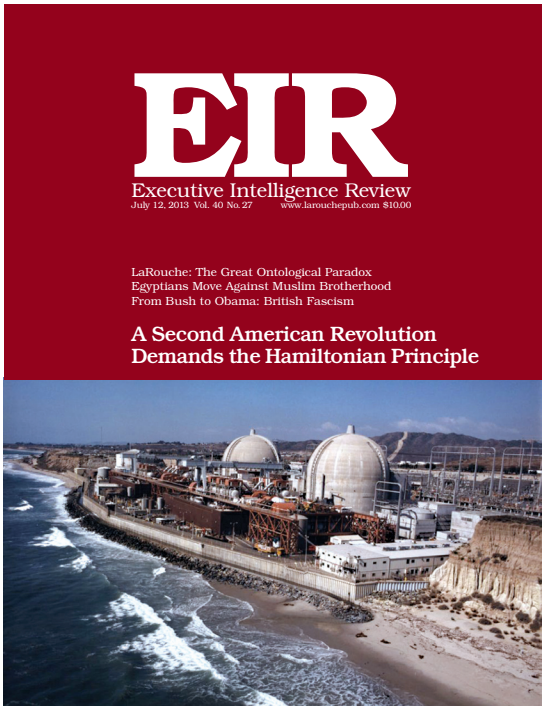
"The best thing that could happen is, Obama should leave office, and the whole Senate should break up for the time being. Because quickly, they'll come back in, to behave themselves, and probably do some of the right things for a change. In other words, if they have to respond to the fact that they're in a breakdown crisis, and they don't have any options to sell out their ass to somebody else, only then, will they get real. . . .

"But, without Glass-Steagall being enacted almost immediately, there is now not any prospect for anything but a collapse, a general collapse of the U.S. economy."

In other words, ram through FDR's Glass-Steagall, and dump Obama, now!

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