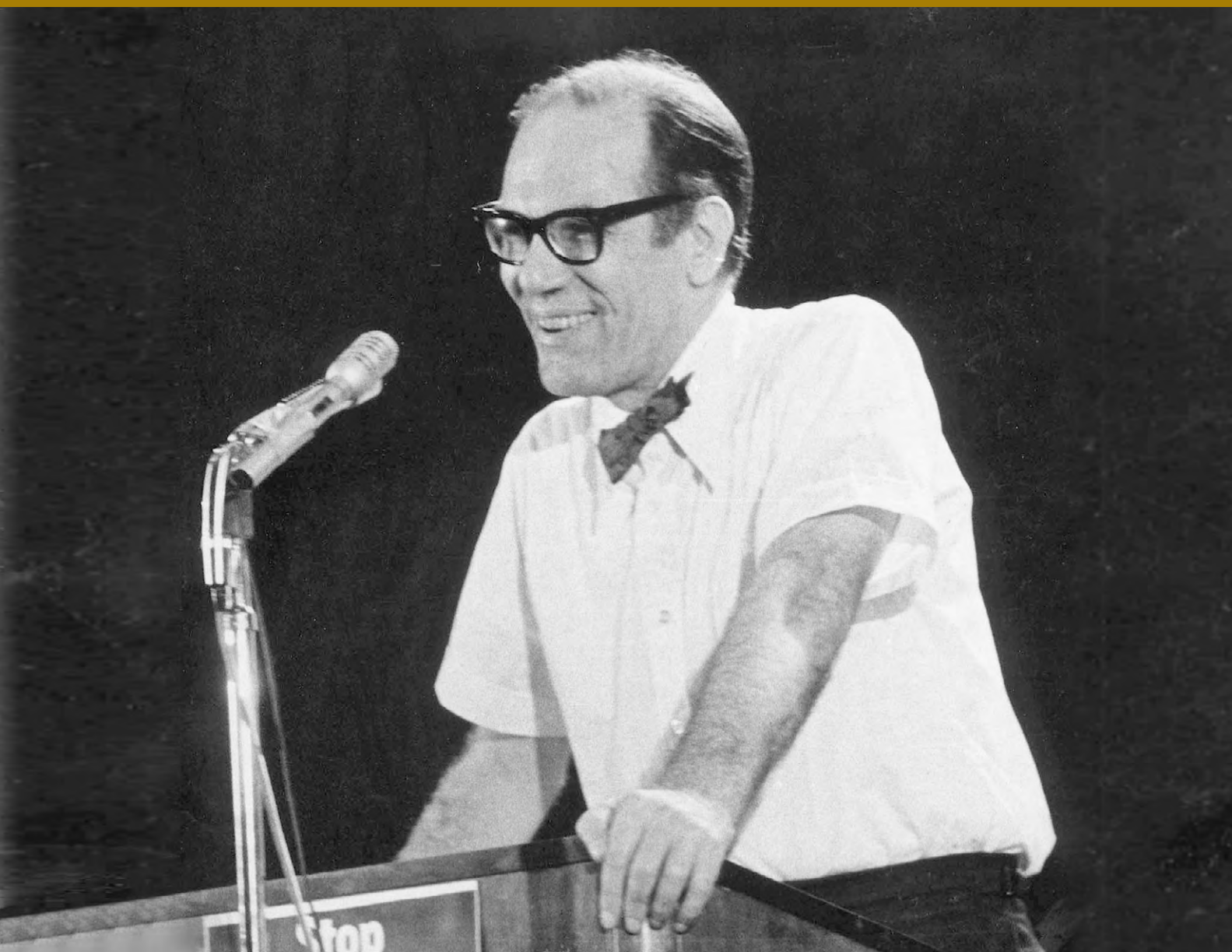


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What Would LaRouche Do?

EDITORIAL

You Are Now Hearing the Real Reasons They Want Trump Out— They Want War

by Barbara Boyd

Mrs. Boyd's 50-minute live webcast interview with Matthew Ogden on Saturday, November 16 provides the latest update with video documentation, and is available [here](#).

Nov. 15—On LaRouche PAC's Fireside Chat, on November 14, our analysis was [presented](#) of the shameless impeachment charade that occurred Wednesday, November 13, in the House of Representatives. We emphasized that which passed by most people unnoticed, as being its most significant event and will continue to provide [updates](#).

Two State Department bureaucrats, George Kent, Deputy Assistant Secretary of State for European and Eurasian Affairs (since Sept. 4, 2018), and William B. Taylor, Jr., Acting U.S. Ambassador to Ukraine (since Nov. 2019), inculcated with the British imperial view of the world, defended that view as being central to the entire post-war "order," and portrayed the President of the United States as a bumbling uninformed character who would topple that glorious order solely for some personal gain. One of them, George Kent, went so far as to portray the neo-Nazi thugs used by the British and the Obama Administration to conduct the 2013-2014 coup in Ukraine, as equivalent to the Minutemen of our Revolution, and U.S. aid to



Stockholm.usembassy.gov



George Kent and William B. Taylor, Jr.: 21st Century doppelgängers of Zbigniew Brzezinski (top) and Henry Kissinger (bottom).



Kai Möurk

keep the war in Ukraine going, as in the tradition of Lafayette and von Steuben.

Then, within one paragraph, Kent was praising his old professor Zbigniew Brzezinski, and Henry Kissinger, as paragons of virtue—whose 21st Century *doppelgängers* were the key State Department witnesses now testifying against the President.

Democrats fell all over themselves in

fawning praise of this "legacy." Republicans were afraid to touch it; most of the Senators who will vote on the President's impeachment are up to their ears in supporting it. Ukraine's viability for years to come has been ruined in a blood-soaked ethnic cleansing occurring in the Donbas in the wake of the 2014 coup, conducted

by neo-Nazis. Most of the thousands lost were citizens of Eastern Ukraine of Russian heritage and inclinations.

Yet, Rep. Adam Schiff, his witnesses George Kent and William Taylor lied outright about this, portraying the dead as brave Ukrainians fighting Russia. Our State Department calls the coup and the ensuing war in Eastern Ukraine, the “Revolution of Dignity.”

Together, Kissinger and Brzezinski are guilty of more war crimes and genocides than perhaps anyone in the 20th Century, and in doing so they created many of the axiomatic views of the world propounded enthusiastically by Kent and Taylor yesterday, to the applause of House Democrats. As Sen. Rand Paul will tell you, he, in the Senate, is like the President, an island of one when it comes to issues of war and peace.

For those who confidently predict that impeachment will die in the Senate—have you looked at your Senators’ contributors lately, or the sins that can be dredged up from their past life, to spring up in a moment of crisis? Do you understand who you are actually fighting?



The Alternative to Thermonuclear War

Tucker Carlson ventured out to take this on directly in his show on Nov. 13, putting up clips of Donald Trump speaking during 2016, saying simply, “Wouldn’t it be nice if we all got along with Russia?” That, and the fevered opposition to it by those who cling to the past, and to their own graft in the intelligence community and foreign policy apparatus, constitute the real battle lines in the ongoing coup, Carlson said. Donald Trump promised to end the permanent warfare state; his voters voted for him to do that. But, Tucker then fell into his stupid rants about China.

Nonetheless, on Nov. 14, House Speaker Nancy Pelosi, once again struggling to keep her dentures in her mouth and noting that she could no longer chew gum, instantaneously confirmed exactly what Carlson had said. “Trump is an agent of Putin,” she told her press availability, explaining what impeachment has been and is all about. Ray McGovern, in an [article](#) in *Consortium News*, presented a short and accurate sketch of U.S. and British perfidy in Ukraine, the policy which the two idiots who testified yesterday are responsible

for enforcing. McGovern neglected to note the obvious point: that pursuit of the policy outlined by Kent, that is, Ukrainian membership in NATO, is a hair trigger for the nuclear war that could annihilate us all.

The process undertaken in the House to date, is rigged in ways not stated so far. There will be more “bombshell” surprises, since we are witnessing an internal coup, with the British and their U.S. intelligence community allies determined to unseat this President by waging war from within the Administration. As Mark Zaid, the so-called whistleblower’s attorney, said in his infamous texts, when one internal seditionist falls, “two will rise in their place.” And the biggest potential surprise is something neither the Republican nor Democratic

partisans understand—the dynamic within the world’s physical economy which appears to be approaching another boundary condition, at least as perceived by the Bank of England’s Mark Carney and others, who propose a bankers’ dictatorship to handle the coming new collapse.

Lyndon LaRouche said the economy will fail because it is not a productive economy by design; it is incapable of reproducing itself at the higher levels necessary for sustained growth, which requires leaps in productivity. He said in October of 2001:

I understand how a systemic collapse unfolds, as opposed to a stock-market prediction, which every idiot likes to talk about. Idiots say, “Why don’t you make a prediction? A statistical prediction.” I say, “I don’t make predictions. I make *forecasts*, which are based on the *systemic characteristics and the boundary conditions within which the system operates...*”

The President’s most effective flank on this entire matter, is found in the “[Four Laws](#) to Save the USA Now,” set forth by LaRouche to address a collapse of the world system. Those same Four Laws, if undertaken as organizing principles by Donald Trump, would flank the entire coup apparatus, because sustainable economic recovery and growth would be underway. Educating and organizing for this must be our highest priority now.

WHAT WOULD LAROUCHE DO?

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This Week

Lyndon H.
LaRouche,
Jr., in 1973.



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at lpac.co/exonerate

NOTE: *EIR* will skip the issue which would be dated Friday, Dec. 27, 2019. Subscriptions will not be affected.

I. In Today's Unprecedented Crisis

OCTOBER 22, 2001

How Do You Organize Under Conditions of Systemic Crisis?

by Lyndon H. LaRouche, Jr.

The following is a previously unpublished, edited transcript of a report delivered by Lyndon LaRouche to his associates on October 22, 2001, and part of the discussion that ensued. Subheads have been added.

Now, we have a very interesting situation, with some good problems to be faced among some of our own people. I think the situation in our Leesburg-based national center area has gone somewhat better than in the organization in general. That's because a certain crisis has been faced. Because we've gone through this, and because of the global implications of the kind of thinking that has to go on in our national center, we have somewhat less of a problem there, than we do more broadly.

There are some typical problems. First of all, you had idiots who, during 1999 and year 2000, were saying that I was exaggerating or wrong on the issue of the so-called "New Economy," in particular, and on the inevitability of a monetary-financial crisis in general. With the events of the past three quarters, people who have said that, after about \$3 trillion or more lost to the New Economy financial stocks—by people out there, ordinary people—who foolishly didn't listen to us, and didn't listen to me—. They wouldn't have lost any of that money to speak of, if they'd listened to us. So, it was their own foolishness, their own gullibility, their credulity, which lost them a lot of money. And there are probably a dozen-trillion



Library of Congress/World Telegram

A policeman (right) in 1933, tells depositors that their bank is closed.

dollars of other values have been wiped out from the system.

Now, you're talking about a dozen-trillion dollars:—Remember that the most generous estimate of the world's Gross Domestic Product, in dollars, is \$42 trillion a year. Now, the U.S. economy is generously estimated as having a Gross Domestic Product of about \$11 trillion a year. Figures can be adjusted and corrected one way or the other, but, still the same general order of magnitude. So, therefore, we have a collapse of the U.S. financial system, within about a year or so, which is greater than the GDP of the

entire nation for an entire year!

Now that, I think, qualifies as a crisis.

If you have any memory, or by direct knowledge or experience, or, probably, more often, by study, of the way in which the crisis of 1927 through 1932-33 evolved, including, of course, the crucial 1929-1932 interval;—if you have any impression of that, you realize that the rate of collapse of companies, employment and so forth, in the recent period, *exceeds that which the United States went through, month by month, week by week, and so forth, during those years, the Depression years of 1929-1933.* So, we're in that kind of situation.

The reason that I've been so successful in forecasting, and all my critics have looked like something not attractive—you know, the more unattractive part of the human anatomy—that's what they look like. They may be quivering and so forth, but, that's what they may choose to do. The reason I'm so good at this, is because I think *systemically*, as I've identified that, repeatedly, rather than the way that people have been miseducated to think in school and so forth and so on. And therefore, I understand *how a systemic collapse unfolds*, as opposed to a stock-market prediction, which is what every idiot likes to talk about. Idiots say: "Why don't you make a prediction? A statistical prediction." I say, "I don't make predictions. I make *forecasts*, which are based on the *systemic characteristics and the boundary conditions within which the system operates. That's why I have always been right, and every one of my critics—whether inside the organization or outside—has always been wrong!* Sometimes, they look very silly [laughs]—they're so wrong. Right?"

So, the question is, since the problem is a *systemic* one, *how do you organize*, under conditions of *systemic crisis*? In other words, not how to nail the window back on the house, but, how do you build a house, when the house you're living in, is uninhabitable, and can't be

repaired? So, therefore, Mr. Agitator has nothing to offer of much value, under those conditions. And, in the organizing, we found a real problem, that you have an effort of some people to say: "We have to have an agitational approach, not a thinking approach." Heh, heh! Not very smart, huh? So, you have agitation in contrast to reason.

That reminds me of the case of the woman, who bought one of these old-style washing machines, back some decades ago, in which the key feature of the washing machine was the agitator. And, then, the woman was so enamored of this machine's ability to wash the laundry, that she tried to use the agitator to

cook the family's meal. And we have some people who do things just about as silly as that, politically. We have, also, another case, we have the fellow who says, like the preacher says, "Ah'm gawn to glory, flying up on fried chicken wings." And, we have some of our people who go along with that crap, too. You've got to appeal to the chicken-wing mentality, in the population, that is, the most banal, blocked, superstitious, pitiful form;—get to that pitiful side, make them like you from that *pitiful* side. You're not going to solve anything.



EIRNS/Stuart Lewis
Lyndon LaRouche addressing the February 17-18, 2001
ICLC/Schiller President's Day Conference in Reston, Virginia.

Going Along to Get Along

The problem here, is that you have a population which is not really fully human anymore. They've lost their sense of human identity; they think of themselves as, more or less, human cattle, who have to go along with popular opinion, or go along with the other members of Congress, or go along with this to get along. And then, when you try to influence them, they'll listen to you, *if they think you fit within an institutional framework, in which you accept these mythologies, these arbitrary beliefs*—when it is precisely those axiomatic assumptions which are wrong.

Now, how do you get someone to change an axiomatic assumption? You don't scream at them. You don't

try to *agitate* them. That's only going to make them worse. You make them *stop and think*. Forget the fried chicken wings. Stop trying to bake a cake in the washing machine's agitator. You don't go to glory that way [laughs].

Now, the problem here is the lack of confidence in doing that. And the lack of confidence comes from very deep roots in some of our people, at all kinds of levels, in the association. First of all, most people in our association, particularly those who were born after World War II, but practically everybody born after World War II, is automatically incapable of thinking, you know, unstable. Highly neurotic. Incapable of sustained, clear, reasonable thought. Because they were educated, chiefly, on the basis of adapting to things they were taught: You learn this, and you'll pass your grades. Pass your grades, and you'll be promoted. Be promoted, and you'll go to college. Pass your grades in college, and you might get a professional career. Keep your mouth shut, and do as you've been told in your profession, and you might not be thrown out of your profession. Keep doing that, and you might become rich.

And then, about the time you're retired, and about to die, you're permitted to say all kinds of old grouchy things that really don't mean much, in a sort of a faint recollection, that along the previous 60 to 70 years, you've been so brainwashed, you forgot what it was you wanted to say, 60 or 70 years ago, when they told you to shut up and learn what you're being told.

And, people who were born after 1945, tend to suffer that problem much more than people in my generation, at least, statistically. You find more people from my generation who can think, than you will from the generations that come after that. People among these younger generations who can think are a precious rarity. And those who have that ability in any degree, are a precious rarity; the whole population depends upon it. If you have those qualities, don't give them up! Don't betray them! Because your ability to violate the chicken-wing mentality, is precisely what makes you really human, makes you valuable.

People enjoy that, really, once they get the hang of



wikimedia

"Practically everybody born after World War II, is automatically incapable of thinking...educated, chiefly, on the basis of adapting to things they were taught: "... Pass your grades in college, and you might get a professional career. Keep your mouth shut, and do as you've been told in your profession ... Keep doing that, and you might become rich." Shown, a college lecture hall.

it. Then, they get very nervous; they may be afraid of what will be done to them. They may feel like the ancient Christians, sitting up there, waiting for the lions to come and get them, or something. There's really *fear* out there now. It's one of our big problems. But, the failure in method, is the tendency to slip to a kind of deductive approach, to what you think are the hot-button prejudices of people with whom you're speaking, particularly on the issue which you're addressing.

The same thing comes up in geometry, in the so-called Euclidian classroom geometry, in which you get this guy, who instead of thinking, instead of using *reason*, the way we do in physical geometry, he tries to use the Sherlock Holmes method.

How to Think About the Sept. 11 Crisis

For example, take the case of this [September 11, 2001 attack] crisis. How did I know what this crisis is all about, when it happened, the very hour it happened? I'm sitting there—within two or three minutes, I've got the report of an airplane hitting the New York World Trade tower, and then, a second one—and, I knew exactly what was going on. Well, partly, because I know the parameters of general national security, and a few other things: I knew that this was



United Airlines Flight 175 strikes the South Tower of the World Trade Center complex in New York City on Sept. 11, 2001.

CC

something that *could not be done, except under the control of a coup d'état-style of command center, operating inside the U.S. intelligence establishment.* No one from outside the United States could have done to the United States what was done on Sept. 11. Couldn't happen. I knew that.

Someone says, "What's the evidence that it was inside?" You don't need any evidence. You've got the evidence. The evidence is: You know that you live in a certain geometry. And you know that, in that geometry, certain things are not possible, and certain things, otherwise, are possible, but only under certain conditions.

Therefore, it's like the guy who comes home and finds the place was robbed. He's asked, "Well, how do you know that place was robbed?" Huh? He knows from the *circumstances*. He doesn't know who the perpetrator was, and so forth. He may look around and find out what's stolen. And, looking at what's stolen may suggest to him who the robber

was, or what kind of robber it was, even if he doesn't know the robber's mentality. And he goes on from there. Who could have known he had this object in that place? Who knew he was going to be away at that time? And so forth and so on.

So, the *circumstances* tell you, because of the *geometry*, of what has happened. Not who did it, or who met with whom to plan it, but *how it was done*. And when you know how it was done, by what kind of agency, you can now place which part of the world contains such an agency. And, there's only one part of the world that contains that agency which could do all those things. And that is, simply, an inside operation, inside the security apparatus of the United States, at the very highest level. A military-style planning, at the highest level, operating with networks controlled by need-to-know, in the strictest sense, all the way down. A real conspiracy, of a military-coup style. That's what was done. We

still don't know who did it. We've got some pretty good ideas of where to look, though.

For example: *Why did it happen?* Isn't that important? Well, how do you know why it happened? Well, what are the effects produced? Now, someone who's clever enough, and powerful enough to do the things that were done in that way, obviously, has some kind of a fairly clever, sophisticated motive. And, this thing was not planned on an impulse. This thing had been under way for a year, or two years, before this thing could have happened. It took a lot of planning, a lot of preparation, a lot of recruitment, a lot of selection. It's all there. It's known. Well, who would have done it?

Well, first of all, we do have something like that running loose. It's called the special warfare concept, and someone has reminded us that [Gen.] Ed Lansdale, from the 1950s, 1960s, fits that kind of profile. We know a lot about that kind of profile. We know how that



Public Domain

Major-General Edward Lansdale, in 1963.



Wikimedia Commons

Former National Security Advisor, Zbigniew Brzezinski, in 2014.

was run. That was seen as *terrorism*, and irregular warfare, and Iran-Contra, and so forth: We've seen that,—in which the Israelis, the British, and Americans, all engaged in this special warfare operation, swapped spit, and worked together, to create phenomena such as we called Iran-Contra. That's how these things are done.

So, a capability like that, which has been using Islamic and other assets, for things like the war that Zbigniew Brzezinski organized in Afghanistan back in 1979, and prepared before then, these guys are lying around all over the landscape—and they're under control of, privately funded, largely drug-money funded, or weapons-trafficking funded operations, which are operating essentially *off* the reservation, but have the highest quality of military capabilities generally available to any government. They're hiring people from all over the world, and they have the ability. They can do it. So, you know that it was something like that. If it wasn't done by George Bush personally, and he's not the type that knows how

to do that,—and if it was done *against* him, as obviously was the case, because he was part of the target of this operation; not the primary target, but he was part of the target. The U.S. government was the target. To induce the U.S. government to do something.

To do what?

Well,—to establish a dictatorship, in conditions of a great financial collapse? Well, we have evidence to that effect; that was a factor. That's going on in Britain. That was going on in that kind of discussion at the New York Council on Foreign Relations and similar think-tanks. It's been going on for some time. What do they do in terms of a financial crisis?

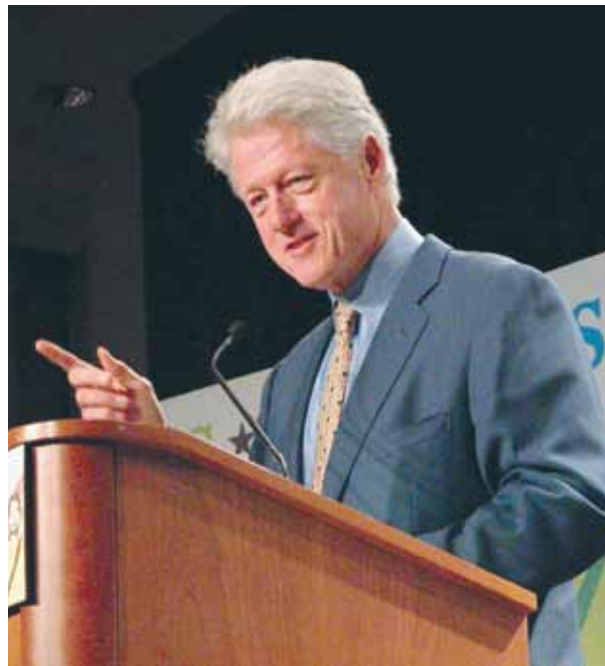
They establish a dictatorship! You know, like they did, like Montagu Norman, and the Harrimans, did with Hitler, back there in 1933. That's what they do. Okay. It's simple.

What more do we know about it?

Well, we know that the key to this thing, the way it was played, particularly when this Osama bin Laden thing came up—which otherwise makes no sense; and especially as it began to zero in on Afghanistan—we knew *exactly* what was up. Or we should have known. What was up? Well, Israel.

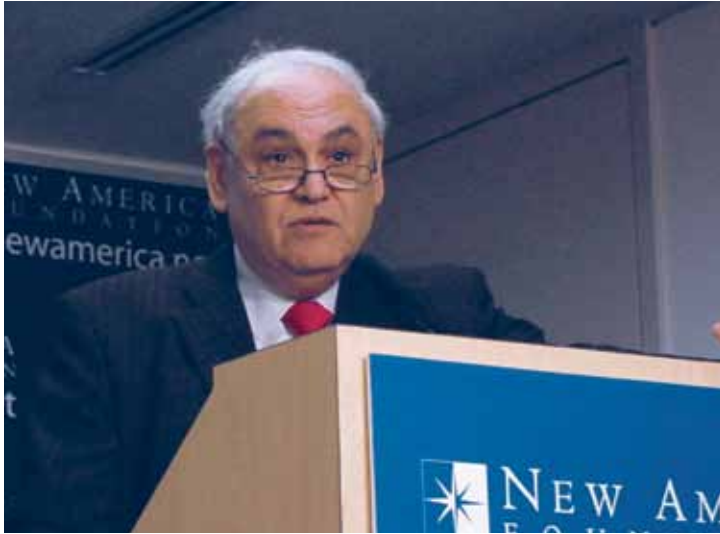
Go back to the time that Bill Clinton goofed,—when he capitulated to Barack Obama, and didn't say the thing he should have said publicly, about Barack's stupidity on the question of the Jerusalem and the Temple Mount issue. Clinton actually set this thing into motion by his cowardice on that question. That's how it worked. Since that time, there's been a steady march.

Now, remember that Barack was intimating that he was afraid he'd be killed, if he did not buck what Clinton was trying to negotiate. Who would kill him? Well, guess who? The same people I think killed this guy, Rehavam Ze'evi, this past week. That is, guys I thought would kill Sharon, if they needed to kill him to



EIRNS/Stuart Lewis

Former President Bill Clinton, in 2005.



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Former Assistant Secretary of Defense for Global Strategic Affairs, Richard Perle, in 2009.

have a martyr to let them attack Syria, Iraq, and a few other places like that. They were a threat to Barak. They kept him in line. Clinton didn't appreciate that; therefore he made a mistake and bungled the way he handled the outgoing section of that Camp David negotiation, which we said.

So, what are they trying to do?

Well, they're using the breakaway ally syndrome, the so-called chicken-game syndrome. Israel is going to create a situation, where it's going to threaten to create international general warfare, the kind Brzezinski wants. And they tell the United States, if you don't do it, we'll start the war, and you'll have to fight it. And they've got the Mega Group around Edgar Bronfman in the United States, who will back them up on that; they've got some of these crazy fundamentalists who'll back them up on that. You've got Paul Wolfowitz, who will back them up on that, and he's a Deputy Defense Secretary. Richard Armitage undoubtedly will *tend* to back them up, if he does not try to protect his own hide in that case. Other people will back it up. Tom Lantos will back it up. The Zionist Lobby,

the Richard Perle, the Perle-divers, will back it up. And the so-called Committee X, they'll back it up.

So you've got a *push* against the U.S. government, to use a terrifying incident, attacking the population of New York City in the financial district, and the Pentagon, to intimidate the U.S. population, *and the government*, to take drastic action of revenge against the alleged perpetrator, who doesn't happen to be the perpetrator. And the direction is to *push* the United States to go beyond this thing with Afghanistan, which is a loser, and to push on Syria, Iraq, and other countries. It's all plain. That's the purpose. To get the world to go along with an alliance which is based on that principle: that's a coup d'état to get the U.S. government to bend to the will of a bunch of plotters. That was obvious to me, as I described it, as it unfolded beginning with my observations on the 11th, shortly after 9 o'clock that morning.

So, I was right. But that's not Sherlock Holmes' methods. It's not the D'Oyly methods, huh?

So, that's where we stand, and that's the kind of thing we have to apply.

A Systemic Crisis

We also are in a situation—let's take the very obvious thing; it keeps coming up with me. Someone says, some idiot in Japan, or someplace else, says: "Well, we can't do what you want us to do. Maybe we can do something more limited, but what you want us to do, we can't do. You're crazy. Go 'way." Right?

Well, now if you have a situation in which you have a mounting hyper-inflationary growing mass of debt... Let's take the question of U.S. mortgage-related consumer debt. Now you have the Federal Reserve, with Fannie Mae and so forth, has been pumping fictional increases in the value of real estate and mortgages based on that, as a way of providing consumer purchasing power for people who are householders. It's a bubble.

To pay that bubble, the carrying



The fictional character Sherlock Holmes, fruitlessly attempting to deduce the whole by examining its parts.

charges on that bubble, means that you have to tax payment from the economy. It's like that 20%, 22%, 23% monthly credit-card charge you've got to meet. Huh? It's got to come out of something, hasn't it?

Now, take the case of Argentina. The amount that Argentina is supposed to pay has already passed the point that people in Argentina can live. Which means, if you try to collect the debt that's imposed on Argentina, Argentina will die, physically die. That is, the amount of wealth being produced is not only being looted by so-called fiscal responsibility measures, but the amount of production, from which payments presumably will come to pay these financial charges, is being collapsed by the measures of fiscal austerity.

So you have a situation globally, in the United States and outside, in which the total amount of debt service being extracted from the economies, is increasing *cancerously*, and the debt service payment requirement accordingly. This is collapsing the actual productive power of nations and their populations, precisely at the time that the amount of debt to be paid is increasing. So, there's no possible way that the present international monetary, financial system could be continued without collapsing civilization into a generalized and prolonged New Dark Age, out of which most nations will disappear, and the human population will drop rapidly during the course of this century to below 1 billion. And the first drop down will tend to be a *big one*.

So therefore, we are in a situation in which anybody who doesn't support my proposals on bankruptcy reorganization of the international monetary and financial system, does not support the measures which I've proposed as required for this purpose, has to be an *idiot*.

So, why do we not say that? Why do we not make that case clearly, and say: "Now, sit down and listen. Here's what the situation is. Now, listen. Don't block, don't scream, don't yell, listen, and think. So, we're now in a situation where you can't survive under this system. Are you therefore going to say nothing can be done to change the system? Is that what you're going to say?"

So, that's where we are. And that's the nature of our general problem.

We have other problems, but the other problems are a result largely of our failure to deal with the problems I just identified. And typified by this idea that you can fly to glory on fried chicken wings, instead of organizing.

Okay, let's see what you have to say.

[During the ensuing discussion, a question was asked about how to deal with the huge anthrax scare in the Baltimore-Washington area. LaRouche responded:]

What's your first thing?

First of all, you see, you always have to use my name. If you don't use my name, it's not going to work. Why?

Let's take the anthrax case.

Well, don't say, "D.C. General Hospital should be restored." That's not what you say. That doesn't break any axioms.

It's not what you say, it's what you don't say that's important.

See, what you say is not important. What you don't say is what's important.

For example, say, "Well, we have a Presidential candidate, a former Presidential candidate [referring to himself—ed.], who's a candidate again, who warned you of the importance of this, and you didn't pay any attention. Now, you're worried about anthrax, buddy?"

That's the point. You've got to confront people, and say:

Look, we know, you know you've been stupid. You know you've been going along because you thought you had to go along to get along. You know you've been stupid. But this is what you get. We don't *have* a capability. You let the HMO [Health Maintenance Organization] system go into effect; it destroyed most of our hospitals.

What do you think our defense against disease is, against bacteriological warfare is, biological warfare? It's medical science and its auxiliaries—that means hospitals, that means physicians, that means access. That means *especially* free, available medicine for the very poor, who have *no* money, because it's the very poor, who live in the poorest places, who tend to be the easiest ones to contract and spread diseases, if they don't get treatment. You want to fight disease? You have to fight to defend the health of the poor. That's what we've been telling you guys.

So, it's what you don't say, is the killer. Don't try to appeal to somebody's prejudices. Don't try to whomp them up agitationally. That's been the big problem. . . .

Study Lebanon for an Insight into the World Mass-Strike Wave

by Hussein Askary

Nov. 14—In the middle of the unrest and economic and social crisis that has emerged in Lebanon, the question has emerged as to whether Lebanon will continue its suicidal path within the Trans-Atlantic system or break loose and join the new paradigm of the Belt and Road Initiative (BRI) and China.

In a televised speech on November 11, Sayyed Hasan Nasrallah, the leader of Hezbollah, discussed the crisis in Lebanon. Part of his speech dealt with the economic and financial crisis in the country. Besides describing the usual corruption problems, he stated that Lebanon must produce again, and build its agriculture and industries and not continue as merely a service economy. Then he emphasized that China was willing to help build massive infrastructure projects in the country, but that China's offer had been rejected. Nasrallah did not specify who rejected the Chinese offer. But he called on the government to send a delegation to China and ask their companies to come back. He also did not specify which infrastructure project or projects China was willing to build and finance.

It is general knowledge in Lebanon that it was the pro-Anglo-French-Saudi-American government of Prime Minister Saad Al-Hariri that rejected the Chinese offer, in spite of all the Silk Road and China-Lebanon conferences hosted by Lebanon in the past three years.

Yesterday, Nov. 13, a short [news item](#) on Hezbollah's website, *Al-Manar*, titled "How Can Lebanon Benefit from China's Economic Offers?" and prominently including a photo of a Chinese high-speed train, reported the following:

Around one year ago, a number of Chinese



Protesters in Beirut, Lebanon on November 16, 2019.

VOA/H. Murdock

firms offered Lebanon investment projects in various economic domains, raising the question of the extent of the Lebanese ability to benefit from the offer to improve its socio-economic situation.

Hezbollah Secretary General Sayyed Hasan Nasrallah stressed during his latest speech that Lebanon has to benefit from the Chinese offers in order to cope with its economic crisis, highlighting the U.S. pressures on the country to reject China's initiative.

The Lebanese government has not tackled the issue seriously since the Chinese firms visited Lebanon, which indicates that Beirut will not react positively with Beijing's offer.

In this regard, China offered to install a railroad system that would link all the Lebanese cities and ports, power plants, and solar energy plants. China also offered to help with

river maintenance, build a commercial seaport, help develop many other economic projects, and make Lebanon its financial center in the region.

Whenever the Lebanese government bravely decides to ignore the U.S. ban on any cooperation with China, Lebanon will witness a prosperous economic rebirth.

Al-Manar's reference to "around one year ago" might be to the Belt and Road Conference held in Tripoli in northern Lebanon on March 2, 2019. In that [conference](#) (according to Xinhua), the Chinese Ambassador to Lebanon, Wang Kejian, said "Chinese companies have visited northern Lebanon and they are ready to take part in infrastructure projects including the expansion of Tripoli Port and Qlayaat Airport in addition to the construction of railways, roads and bridges." In the same conference, Toufic Dabbousi, President of the Chamber of Commerce, Industry and Agriculture of Tripoli and North Lebanon, emphasized the need to expand the Tripoli Port and Qlayaat Airport in a bid to take part in projects along the BRI.

'This is How Politics Goes'

On Nov. 11, *Tayyar.org*, the website of President Michel Aoun's political party, published a very short notice citing former Minister of Environment, Wia'am Wahhab, as having said in an interview with *OTV Lebanon*:

The Chinese Ambassador visited me in my home and promised to solve Lebanon's electricity crisis in only six months, and that with a zero-interest loan from China. I



CC BY 4.0
Sayyed Hasan Nasrallah, Secretary General of the Lebanese paramilitary party Hezbollah.

same mind, and both want the people's voice to be heard on the streets, and the truth to come out about corruption, but without stirring up a new civil war.

This same source also stated that *EIR*'s analysis that U.S. President Donald Trump wants to roll back many years of endless wars and establish a new regime in the region—similar to what President Putin has proposed—is correct. The source said that Nasrallah confirmed this in his speech when he said, "There will be good news in the region and great things will emerge," and emphasized that Nasrallah's reference to opening the border to Syria and Iraq for trade is a reference to the Belt and Road strategy.



kremlin.ru
Former Prime Minister of Lebanon Saad Hariri, in 2017.

told one of our three presidents [President of the Republic, Michel Aoun; the president of the Parliament Nabih Berri; or Prime Minister Saad Al-Hariri—ed.] but he said, the Americans would not allow this.

This is how politics in Lebanon goes, according to a Lebanese source whom *EIR* talked to today, "because almost everyone is involved in some corrupt acts which everyone else knows about."

In any case, shortage of electricity is one of the main reasons for the current uprising in the country. This source claimed that Aoun and Nasrallah are of the

Hariri Government Resigns

It is obvious that it was Hariri's government—which has resigned due to pressure from the people—that rejected the Chinese offer, and instead went along with the deal struck with the World Bank and the European Bank for Reconstruction

China interested in Lebanon's infrastructure projects: envoy

Source: Xinhua | 2019-03-03 02:53:44 | Editor: Liangyu



Chinese Ambassador to Lebanon Wang Kujian (and 1, rear) delivers a speech during "the Belt and Road Initiative (BRI) and its role in developing northern Lebanon" conference in Lebanon's northern city of Tripoli, March 2, 2019. Wang Kujian said Saturday that China is open to participating in infrastructure projects in northern Lebanon during the conference. (Xinhua/Khalid)

and Development (EBRD) at the Paris CEDERE conference in April 2018. The agreement, as [reported](#) by Reuters new service, stipulated that Lebanon would receive credits to build infrastructure, especially power plants, in return for reforms!

After more than a year, however, no financing for power plants or infrastructure has arrived, and instead new taxes and higher electricity and fuel fees have been imposed. The straw that broke the camel's back of the World Bank package was a tax on WhatsApp messages and calls in October. [Not a joke!—ed.] The explosion of protests forced the government to abandon this decision, and then it was forced to resign. President Aoun accepted the resignation of Prime Minister Al-Hariri and has not been in a hurry to nominate a replacement.

The Lebanese economy is totally controlled by the private banks. Almost the only source of income for Lebanon, especially since the war waged on Syria began in 2011, is the transfers of money by Lebanese immigrants abroad. Tourism has been dwindling, especially since Saudi Arabia and other Gulf states boycot-

ted Lebanon to punish the Lebanese President and Hezbollah for supporting the Damascus government. The banks take very high fees on the transfers and keep most of the money deposited in their accounts. The banks then loan the money to the government (buying government bonds for high and higher yields) because the government is desperate to finance its budget. In this way, Lebanon has become some sort of a "cargo cult," waiting for gifts from the gods.

Therefore, Nasrallah's call for "production" in the industrial and agricultural sectors, and making sure that China comes back and builds the necessary infrastructure, is responding to the demands of the desperate Lebanese people. The Lebanese source emphasized that while foreign forces want to turn the justified and angry protests in Lebanon into a new "color revolution" to throw out the baby with the corrupt bathwater, President Aoun and Nasrallah

want to use this opportunity to carry out a complete clean-up operation in—conjunction with the regional clean-up operation being conducted by Presidents Vladimir Putin and Donald Trump—and have a new deck of cards.

Meanwhile, China Waits, to Help

China, while not making much noise, is waiting on the sidelines to help launch the reconstruction of Syria, with Lebanon being a key element in connecting Syria to the Mediterranean on the "Maritime Silk Road," and to Iraq, Iran and Central Asia on the Economic Belt of the New Silk Road.

The Lebanese source, who requested several copies of the Arabic translation of the *EIR report*, *The New Silk Road Becomes the World Land-Bridge: A Shared Future for Humanity, Vol. II*, to send to selected Lebanese leaders, stated that, "While Lebanese politics and statements by political leaders are very Byzantine and cryptic, making transparent what is happening in this region requires the insights of the *EIR* and the LaRouche people."

I. European Conference in Memory of Lyndon H. LaRouche Jr. (1922-2019)

Schiller Institute Conference
November 16-17, 2019

The Future of Humanity as a Creative Species in the Universe

Saturday, November 16

Panel 1: Time of Strategic Upheaval: Will Europe Be Able to Help Shape the New Paradigm?

We Can Shape a New Era of Mankind!

Helga Zepp-LaRouche, *Chairwoman of the Schiller Institute*

The Potential of the New Silk Road for Europe

Wang Weidong, *Minister Counselor, Director of the Commerce and Trade
Department at the Chinese Embassy in Germany*

LaRouche's Science of Physical Economy as the Key to Solving the Problems of the World, Eurasia, and Ukraine

Dr. Natalia Vitrenko, *economist, Leader of the Progressive Socialist Party
of Ukraine, Former Member of Parliament, Ukraine*

Russia in the Chinese "One Belt One Road" Initiative: Possibilities and Prospects

Professor Andrei Ostrovskii, *Deputy Director of the Institute of Far
Eastern Studies of the Russian Academy of Sciences*

The Italy-Tunisia and Italy-Albania Bridges: Connecting the Belt and Road Corridors

Prof. Enzo Siviero, *Director, eCampus University, Italy; Vice President,
Réseau Méditerranéen des Écoles d'Ingénieurs*

Developing Relations between Greece and the Belt & Road

Leonidas Chrysanthopoulos, *Ambassador ad honorem, Greece, former
Secretary General of the Organization of the Black Sea Economic
Cooperation*

Pragmatism Against Ideologies

Col. Alain Corvez, *ret., Consultant in international strategy, France*

Panel 2: The Fundamental Scientific Issues of the Future and the New Space Silk Road

Can Europe Play a Key Role in Science?

Jacques Cheminade, *President of Solidarité et Progrès, former Presidential
Candidate, France*

The Moon Village: Next Step Toward a New Era for Mankind

Sébastien Drochon, *Space Policy Director, French Schiller Institute*

LaRouche's Discoveries: Educating a New Generation

Megan Beets and Jason Ross, *LaRouche science team*

In Defense of African Sovereignty

Henda Diogène Senny, *President of the Pan-African League - Umoja*

CLASSICAL CONCERT

A Tribute to Lyndon LaRouche

Works of Beethoven, Schubert, and Schumann

Sunday, November 17

Panel 3: Who is Lyndon LaRouche?

The Power of Reason: The Living Legacy of Lyndon LaRouche
Dennis Small, *Ibero-America Coordinator, Schiller Institute*

LaRouche and Science

Josef Mikloško, *Former Deputy Prime Minister, Czech and Slovak
Federative Republic*

The Man Who Should Have Been President of the United States
Theo Mitchell, *former South Carolina State Senator, USA*

**Fatherland, Nation and State as Seen by Progressive Catholics and
by Lyndon LaRouche**

Nino Galloni, *former Director General of the Budget and Labor
Ministries, Italy*

The Importance of Lyndon LaRouche's Ideas for the Arab World
Hussein Askary, *Southwest Asia Coordinator for the Schiller Institute*

LaRouche, a 'Florentine' Mind

Claudio Giudici, *Chairman, Uritaxi (National Taxi Trade-Union),
Florence, Italy*

**The Struggle of Lyndon LaRouche for Peace and Development in
Lebanon and the Middle East**

Prof. Bassam El-Hachem, *Lebanese University, Beirut, Lebanon*

**Where Is America Headed? The LaRouche Solution as the
Way out of Chaos**

Harley Schlanger, *former spokesman for Lyndon LaRouche; Board
Member of the Schiller Institute*

Panel 4: Beauty and Classical Art as Mankind's Vocation: The Cultural Silk Road

**The Necessity of a Classical Renaissance for the
Youth of the World**

Diane Sare, *Director of the Manhattan Chorus Project*

LaRouche and the Unity of Art and Science

Antonella Banaudi, *Soprano and singing teacher; expert on the
Verdi tuning*

**True Freedom Through True Art: The Negro Spiritual's
Unique Contribution to Classical Literacy in America**

Elvira Green, *Mezzo-soprano, 30-year member of the Metropolitan Opera;
Founder of the Spiritual Renaissance Singers of Greensboro, North
Carolina, USA*

Panels 1 and 2 are published in this issue; panels 3 and 4 will appear in *EIR's* next issue.

Time of Strategic Upheaval: Will Europe Be Able to Help Shape the New Paradigm?

We Can Shape a New Era of Mankind!

by Helga Zepp-LaRouche

Helga Zepp-LaRouche is the founder and Chairwoman of the Schiller Institute. We present here her edited keynote address on the Nov. 16, 2019 to the Schiller Institute Conference, "The Future of Humanity as a Creative Species in the Universe," in Bad Soden, Germany. Subheads have been added.



EIRNS/Chris Lewis

Helga Zepp-LaRouche

Coups and Attempted Coups

I cannot open my remarks without addressing the unprecedented events taking place in the United States right now. With the so-called impeachment proceedings, what is happening in that country is actually an attempted coup against the elected President, and regime-change by the same forces who are conducting the effort of regime-change in Hong Kong and in Bolivia.

It is very clear, they want to get Trump out of office by any and all means. The intention becomes very clear if you look at the testimony of such people as the diplomat William B. Taylor, Jr., George Kent, Fiona Hills, and others who made unbelievable assertions under oath which have absolutely nothing to do with reality. Taylor, for example, lied, saying President Trump, in collusion with Ukraine President Zelensky, delayed the delivery of heavy military equipment to Ukraine; and in that way costing many Ukrainian lives to be lost by not deterring the Russian aggression.

This is a completely upside-down situation. If you think in terms of what happened with the coup in the Maidan in 2014, which I think Natalia Vitrenko will speak about, or can answer any

questions you may have, it is all the more impertinent what George Kent said. He said the forces in Ukraine opposing Russia are to be compared to the Minutemen of the American Revolution, and are heroes like the Marquis de Lafayette and Baron von Steuben in the American Revolution. This is so absolutely outrageous; it is 100% the opposite of the proud tradition of Lafayette and von Steuben.

If you turn the truth so upside-down, and you turn it into the absolute contrary, it can only be called Satanic. Because the people who committed the coup in

Ukraine, and who are the enemies of Russia, are people in the tradition of the Nazi, Stepan Bandera. We all remember the infamous words of Victoria Nuland, who said that the State Department spent \$5 billion in order to finance this opposition in Ukraine.

At the same time, less important but significant for the new spirit in the neo-con and neo-liberal circles in the United States, the 2019 [Report](#) to Congress of the



C-SPAN

Witnesses William B. Taylor, Jr. and George Kent, testifying before the House Intelligence Committee's presidential impeachment hearings, November 13, 2019.

U.S.-China Economic and Security Review Commission just came out, denying China’s statehood by referring to Xi Jinping as General Secretary of the Chinese Communist Party, and no longer as President of the People’s Republic of China. This is worse than McCarthyism, and the only good thing is, this coup is not yet decided because the coup plotters are under criminal investigation by Attorney General William Barr; and they may all end up being prosecuted and eventually end up in jail.

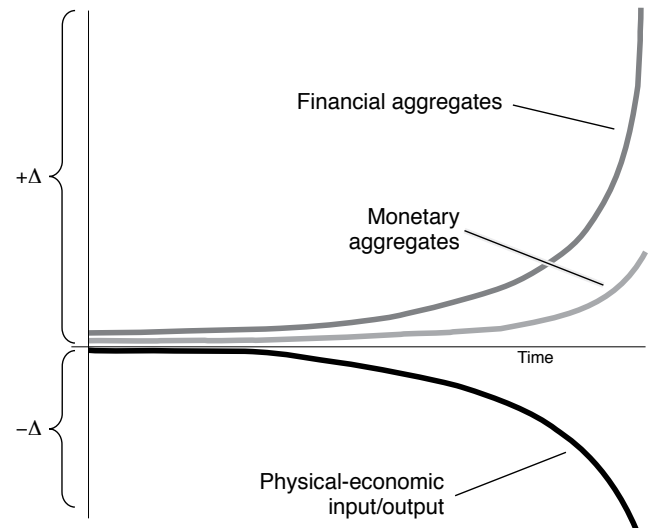
Now, what is going on in the United States is, as I said, a policy of coup d’état and regime-change as we have seen it in many countries around the world—what is now happening in Hong Kong and Bolivia. If you compare that to what the mass media in Europe are saying, it could not be more incredible in terms of, really, a kind of, I would almost say “Goebbels-like” propaganda. It is very clear that this is showdown time. What is behind all of that is the effort of the old oligarchical paradigm against the emergence of a completely new paradigm in the history of mankind.

This Conference Is Dedicated to Lyndon LaRouche

This conference is devoted to the memory of my late husband, the great statesman, economist, visionary, and human being, Lyndon LaRouche. But not as something belonging to the past, but as a solemn commitment to keep his ideas alive and make them spread, because they represent the indispensable solution he has proposed for the existential problems we as a human civilization are facing today. The solutions he has proposed are absolutely realizable, but they require a completely different mindset than most governments of Europe and populations have today. In order to transform that mindset from one that can only lead to catastrophe to one by which the solution can be realized, the understanding of the scientific method of Lyndon LaRouche is absolutely indispensable.

It is that method which is the reason why he was the most successful forecaster. Of all the many examples where he was right, and all of his critics were wrong, let me choose maybe one of the most far-sighted examples. In August 1971, when President Nixon destroyed the Bretton Woods system by replacing the fixed exchange system with one of floating exchange rates, LaRouche said prophetically, “If this trend in monetary policy is continued, down the road it will lead to the danger of a new Depression and fascism, or a just New World Economic Order.” We are exactly at that point today.

FIGURE 1
A Typical Collapse Function



That trend he warned of was continued.

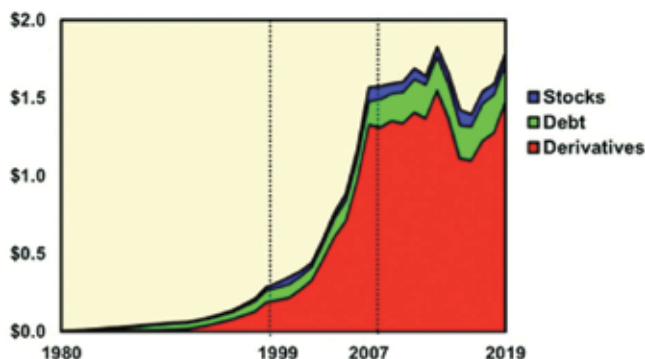
Controlled Disintegration of Nations

At each turn, LaRouche warned of the consequences, and also proposed each time a remedy which did shape the course of history, even if the trans-Atlantic sector rejected his solutions. This trend was continued in the 1970s policy of the Council on Foreign Relations for so-called “controlled disintegration” of the world economy, which resulted in the destruction of full industrial production and related supply chains in the United States, and the kind of Chilean model which we see exploding today in many countries around the world.

The outsourcing of domestic production into cheap foreign labor markets; the high interest-rate policy of then Federal Reserve Chairman Paul Volcker; the change from the physical economy to a shareholder value society; Thatcherism and Reaganomics; the repeal of the Glass-Steagall Act; the deregulation of the financial markets; the policies of quantitative easing after the crash of 2007-2008; and now, the negative interest rates; and lastly, helicopter money, and what the Governor of the Bank of England Mark Carney is proposing—regime-change, eliminate the power of sovereign governments, and going to a global dictatorship of the central banks: which would impose legislation to channel all financing into Green investments combined with bail-outs, bail-ins, and brutal austerity leading to massive population reduction.

We see this last phase since mid-September. Please

FIGURE 2
World Financial Aggregates
 (Quadrillions of Dollars)



give me the slide of the Triple Curve **Figure 1**. This is a pedagogical graph which Lyn developed in 1995, which shows you the point where the financial aggregates are completely out of control.

According to the latest figures of the Bank for International Settlements, the notional value of over-the-counter derivatives rose by 20% from 2018 to June of this year, to \$640 trillion. They are generally at least twice that official figure, as compared to an increase of global trade of 3%, and of GDP of 2.9%.

According to the Federal Reserve data quoted by the blog *Economica*, the Federal Reserve’s assets increased by \$300 billion to \$4.04 trillion since Sept. 17. But since the excess reserves of mega banks on deposit at the Fed are lower than August, that means the newly printed money went straight into speculation of all kinds: into stocks, bonds, debt securitizations, interest rate derivatives, and so forth. So therefore, former Fed Chairman Ben Bernanke’s claim that quantitative easing would only build up excess bank reserves, assuring it would never cause hyperinflation, was clearly a lie. Global financial aggregates broke \$1.8 quadrillion, on the way toward an estimated \$2 quadrillion by the end of the year.

Figure 2, You can actually see that we are at a point,— in 2008 this peaked, then you had the crash, and now we are actually at the same level, but going beyond. So, all the instruments of the “toolbox” German Chancellor Angela Merkel talked about in 2008 have been used up. Why did Frau

Merkel alter her position to the idea of a European Banking Union and an EU deposit insurance fund during her recent trip to Rome? I think that the Fed, Draghi, Lagarde, Carney, Scholz, Merkel, all know that the system is bankrupt beyond belief. But they are *Bet-onköpfe*, troglodytes—as JPMorgan Chase Chairman and CEO Jamie Dimon just demonstrated in an imitation of Erich Honecker, who declared on Aug. 14, 1989, when he was talking about socialism staying around for another thousand years, “The U.S. economy is the most prosperous economy the world has seen, and it’s going to be very prosperous for the next 100 years.”

We should remember that it took only two months before Honecker was toppled after his famous statement three months before the Berlin Wall fell that socialism would be around for another 1,000 years.

This system is absolutely not sustainable. We are on the verge of a general breakdown crisis of the world monetary system, exactly as Lyndon LaRouche has warned. We are at the point he forecast *in 1971*: depression and fascism, or a just new world economic order.

Mass Anti-Austerity Demos, But Who Will Lead?

You see right now rebellion worldwide in the form of mass demonstrations against these policies in Chile, Haiti, Iraq, Pakistan, Lebanon, and among the German farmers. Then you had the election victory of President Alberto Fernández and Vice President Cristina Fernández de Kirchner in Argentina against these neo-liberal policies on the one side, and a replay against



President Evo Morales in Bolivia of the State Department-supported Maidan coup—against President Evo Morales—because Morales dared to follow the Chinese example of lifting the population out of poverty with the help of scientific progress, and even attempting to leapfrog to the most advanced technologies.

The social effects of this neo-liberal economic policy are destroying the social fabric of countries around the globe. Because several countries in the G20 are, in fact, defending the British Empire, the City of London, Wall Street, and the central banks; the solution—I'm afraid—will not come from the G20, which, as the representative organization, would normally have been expected to take on the reorganization of the system when the systemic crisis erupted in 2008.

But they did not; they have made it worse since then with their policies. This is why Lyndon LaRouche, already in 1997, insisted that only the combination of the United States, Russia, China, and India as the core representative nations would be strong enough to impose a new credit system, a New Bretton Woods system. The strategic cooperation between Russia and China actually has been strengthened to an unprecedented level as a result of the failed effort to impose a unipolar world—and we will hear more on that from Professor Ostrovskii—as the new form of the British Empire after the disintegration of the Soviet Union.

India moved closer, and there are several organizations which developed really as a backlash to this empire, such as the BRICS, the Shanghai Cooperation Organization, the Belt and Road Initiative, and others. So, the potential of such cooperation exists, but I'm not certain if they have the contingency plan to act to put the right solution on the table—the New Bretton Woods system—*before* the system blows up. They are taking all kinds of measures—moving out of the dollar; organizing trade in bilateral currencies; buying gold; setting up cyber-currencies. But that is not adequate to the problem, because—and this is not a debatable point—if the United States is not part of the solu-



CC/Minister of Foreign Relations of Peru
Evo Morales, President of Bolivia.

tion, it will collapse. And I do not think that such a collapse would be anything like the disintegration of the Soviet Union. It is more likely than not, that out of a disorderly collapse of the global financial system, there would be war.

LaRouche's Four Laws, and President Trump

What is needed instead is the implementation of Lyndon LaRouche's [Four Laws](#). A global Glass-Steagall system—banking separation where almost all of the outstanding derivatives and unpayable debt are written off. The commercial banks would be put under government protection, and then in each nation, a national

bank is created in the tradition of Alexander Hamilton and the Kreditanstalt für Wiederaufbau in Germany in the postwar reconstruction period. Third, a new international credit system; a New Bretton Woods. And fourth, international cooperation in a crash program to develop thermonuclear fusion power, space research and travel, leading to the colonization of the cosmos.

I know that leading individuals in Russia and China are very skeptical about the possibility of getting the United States into the kind of cooperation I am speaking about. I know the present obstacles, but that potential is absolutely there.

This is the entire reason why British intelligence, especially the GCHQ (Government Communications Headquarters) were “alarmed” already in the fall of 2015 about the Trump Campaign's pro-Russian stance and contacts. They conspired with Obama's U.S. intelligence apparatus because they recognized in Trump the potential of participating in a new system of sovereign nation-states. Ingrained deeply in the mindset of the British Empire, which has taken over the American neo-liberal establishment, according to the guidelines of H.G. Wells' *Open Conspiracy*, they smelled the threat Trump could present to their system. For sure, these circles—the Anglo-American military-industrial complex—whom Trump recently attacked by name, had nightmares when they heard Trump speak at the General Assembly of the United Nations this year. Trump said:

Looking around and all over this large and magnificent planet, the truth is plain to see. If you want freedom, take pride in your country. If you want democracy, hold on to your sovereignty. And if you want peace, love your nation. Wise leaders always put the good of their own people and their own country first. The future does not belong to the globalists. The future belongs to the patriots. The future belongs to sovereign and independent nations who protect their citizens, respect their neighbors, and honor the differences that make each country special and unique.



U.S. Army/Erich Backes

German soldiers training near Baumholder, Germany August 23, 2017.

That outlook is actually in principle in perfect cohesion with the spirit of the New Silk Road, which is based on the idea of perfect respect for the sovereignty of each nation and acceptance of the other social system. Trump's stated outlook is in harmony, not in contradiction, to the vision of President Xi Jinping: a shared community for the future of mankind.

Empirists React with Horror, Push War

That kind of thinking, however, is a vision of horror for the forces of the British Empire, because it overcomes geopolitics and it establishes the ground for the pursuit for the common goals of mankind.

I remember the reaction of Germany's Defense Minister, Ursula von der Leyen, the morning after Trump's election victory in 2016. She said she was in deep shock that this man had won. As of December 1, she will be the President of the EU Commission. In a recent speech in front of the Konrad Adenauer Stiftung in Berlin, she projected her British-inspired demeanor of imperialism by falling back into a confrontational Cold War tone by pushing deterrence: "Europe has to learn the language of power. She has to build up her military muscle." Against whom? Against what she calls "autocratic regimes," whose "unrestrained shopping tours must be stopped," in an obvious reference to China.

Von der Leyen also has promised to put through a Green New Deal in the first 100 days of her office,

pushing for taxation on CO₂ emissions so high that people change their behavior. In other words, at a point when Merkel is turning over the last remnants of sovereignty of Germany's own economy to the EU to the total detriment of the German population, von der Leyen intends to impose a Green economic policy which will destroy any industrial economy in Europe, for reasons elaborated by Lyndon LaRouche and which we can take up in the discussion.

In light of the impending financial/economic catastrophe, it is as lunatic as unfeasible when German Defense Minister Annegret Kramp-Karrenbauer announced that she wants to send the *Bundeswehr* [the German Armed Forces] into the Pacific as a counterforce to China, as she recently declared at the Bundeswehr Academy in Munich, fitting in perfectly with the Cold War outlook expressed in the June 1, 2019 Indo-Pacific Strategy [Report](#) of the U.S. Department of Defense. The *Bundeswehr* is collapsing, so if the German economy collapses, the *Bundeswehr* will have trouble carrying out such policies; it's just complete madness.

So why all of this? Is this policy, which can only lead to war with Russia and China—is that in the interest of Germany? This is nothing but the old geopolitical agenda of the Great Game against Russia of Lord Palmerston of the British Empire, and his suc-

cessor, Halford Mackinder, the official author of “geopolitics,” the imperial idea that those who control the Heartland of Eurasia control the world at the expense of the Atlantic Rim countries. Which was, among other things, the reaction of the British Empire to the Trans-Siberian Railway at the end of the 19th Century.

This junk, as well as the evil book of Samuel Huntington, *The Soldier and the State*, belongs to the required curriculum of the U.S. Armed Forces officer training, and entertainment literature for the empire faction on both sides of the Atlantic. This is the outdated mindset of a system about to disintegrate. It is the backward-oriented geopolitical thinking that relations among nations is a zero-sum game. When proponents of that system insist on a “rules-based order” instead of the international law of the UN Charter, they really mean the justice of the Thrasymachus of Plato’s *Republic*: That the rules which define the advantage of the stronger must prevail, and that therefore the dominant role of that power must be maintained.

The New Silk Road Changes History

Since President Xi Jinping put the New Silk Road on the agenda in 2013 in Kazakhstan, a program which is in complete cohesion with the developments Lyndon LaRouche had worked on since the beginning of the 1970s, a very different model of international relations has been established. The Belt and Road Initiative (BRI) has developed into the largest infrastructure program in history. About 157 nations and 30 large international institutions are participating in this project, which intends to replicate the poverty alleviation program successfully implemented in China and in other developing countries.

Despite the recently escalating anti-China campaign by the same politicians, intelligence agencies, and think tanks that are supporting the coup against President Trump, and some putting on the brakes on the EU, according to the Chinese news portal Sina.com, the China Railway Corporation had 6,300 trains making the journey from China to Europe in 2018, an increase of 72% compared to the previous year. Of these, 2,690 trains made the return trip to China, up 111% on the year. Since 2011, China has sent more than 11,000 freight trains to Europe as part of the BRI. A total of 65 freight rail routes have been opened between Chinese cities, and 44 cities in 15 European

FIGURE 3



countries, in select routes, compared to practically none 10 years ago [Figure 3].

The most frequented route is Chongqing-Duisburg, with 39 trains arriving in Duisport every week now. Among the cities in Europe served by freight trains from China are Hamburg, Nuremberg, Lyon, Madrid, Vienna, Prague, Trieste, Budapest, Tilburg, but especially Duisburg, which has served as a central hub for rail freight in Europe with many destinations reached from there.

In addition to rail freight coming to Europe from China directly on land, freight is also being handled on rail routes going into the European landmass from the European seaports of which presently Piraeus, Rotterdam, and Hamburg are the most important in terms of seaborne containers arriving from China [Figure 4].

So rather than opposing the BRI, European nations and the United States should take up Xi Jinping’s offer of win-win cooperation, not only on a bilateral basis, but especially joint operations for larger projects, such as the economic reconstruction of Southwest Asia, the industrialization of Africa and Latin America, and not the least, the modernization of infrastructure in the United States and Europe.

FIGURE 4



Monetarist Financial System About to Blow

To address the immediacy of the danger of a blow-out of the financial system, what must be done is exactly what LaRouche has demanded for decades: A new system must be adopted by the U.S. and European nations, which repudiates all the post-1971 changes in the global financial monetary and trade policies which I mentioned in the beginning. And they must suddenly adopt a new credit system, a New Bretton Woods system of fixed exchange rates.

Like the old Bretton Woods system, which Churchill and Truman had distorted away from Franklin Roosevelt's intention to end colonialism, it emphatically must include long-term credit with low interest rates for the industrialization of the developing sector. The fact that China, Russia, India, and many other countries are cooperating already with the BRI, creates the setting where such a change is absolutely feasible. If President Trump, who has rejected the British doctrine of geopolitics, can beat back the coup in process against him, and if Attorney General William Barr continues with his criminal investigation of the coup-plotters, the fact that there is a U.S. President who embraces the principle of sovereignty and patriotism, will represent the kind of path for Europe to align with the perspective of a Eurasian economic integration from

Vladivostok to Lisbon, mentioned by President Putin again recently.

LaRouche's Discoveries

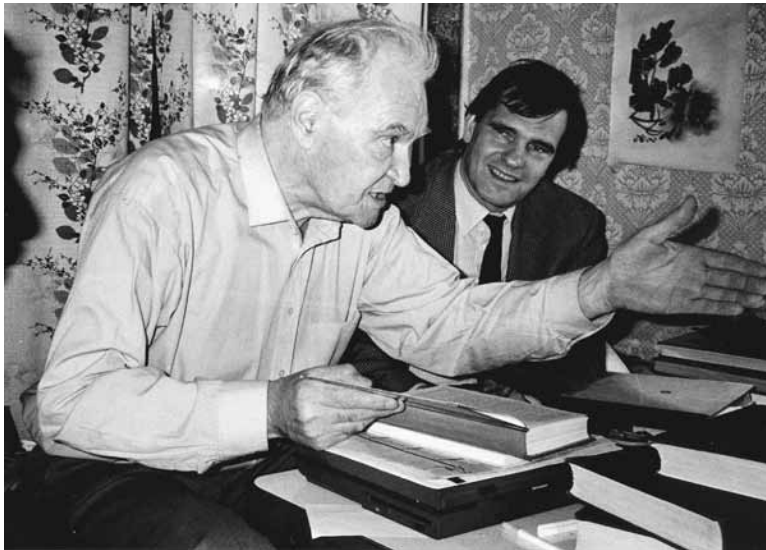
For this to happen, it requires the kind of shift in the mindset of a significant part of the population in the United States and Europe, which goes to the essence of the life work of Lyndon LaRouche. It requires a rejection of the underlying axioms of thinking of the oligarchical model, and replacing them with the notion that man is set apart from all other species by a quality of mind which can be most easily called cognition. It is that quality which no animal has, which enables man again and again to make qualitative discoveries of previously unknown physical principles which increase man's power over the universe per capita and per square kilometer.

The great Russian scientist, Pobisk Kuznetsov, recognized the significance of LaRouche's discovery of the concept of potential relative population-density and the related concept of an increase of the energy-flux density in the production process as a measuring rod for the durable sustainability of the society. He predicted that since many discoveries have been given the name of their discoverer, like Watt and Ampère, the LaRouche concept would be called the "La" in future science. To master this scientific method is key to the understanding of the success of his economic forecasting.

In a clarity unmatched by any other thinker of Western science, Lyndon LaRouche identified the crucial battle of ideas between the mind-deadening follies of the purely mathematical and linearized physical doctrines of the Euclidean tradition of Galileo, Ptolemy, Copernicus, Tycho, Newton, Euler, and Cauchy, up to the 20th Century of Russell, Wiener, and von Neumann; contrasting that with the Platonic tradition of the anti-Euclidean science from Cusa, Kepler, Fermat, Huygens, Leibniz, and others.

LaRouche pointed to the significance of the mistaken and allegedly self-evident principle of shortest distance of refraction of light, as compared to the physical experimental principle of shortest time, and Leibniz's extension of this to his experimental principle of universal least action, as the proof that any true new discovery of previously unknown physical principles can only come out of the second tradition.

The reason why LaRouche's works are so crucial to



EIRNS/Rachel Douglas

Russian scientist Pobisk Kuznetsov in Moscow, April 1994. He proposed a new unit of measurement, the “La” (LaRouche), for potential relative population density.

science today is because they identify a method to identify the pathway to the absolutely necessary, next higher level discovery by putting a scientist in a Riemannian mindset, which allows for a non-deductive solution to paradoxes in established belief.

It is absolutely unique to Lyndon LaRouche that he has demonstrated the crossover between relativistic physics and the creativity of the human mind as such, and the connection of that domain to Classical forms of art and statecraft. Lyn provided ample proof that it is only through Classical forms of poetry, drama, and music that those faculties of the mind capable of generating valid hypotheses of new insights into the lawfulness of the universe, are developed. Why in music, poetry, and drama, the same battles against reductionist and deductionist conceptions have to be fought, and why therefore the quality of metaphor, irony, and Wilhelm Furtwängler’s idea of “playing between the notes,” are so crucial to elevate the mind into that higher Riemannian mindset.

With that goes the education of the emotions out of the realm of the sensual and profane, up to the level of agapic passions.

While the oligarchical model of society and image of man reduces the individual to a creature of hedonistic desires, easily manipulated and accepting the role of the underling by the powers of Thrasymachus’ rules-based order, it is the cognitive experience associated with

Classical forms of composition which sets the individual free by evoking the beauty of the mind and unleashing the kind of agapic love for mankind which is necessary to choose the New Paradigm of the one humanity, leaving behind the narrow-minded evil pursuit of alleged geopolitical interests of a privileged class at the expense of the lower classes.

The LaRouche Legacy Foundation

It is for the unparalleled richness and importance of Lyn’s life’s work for the solutions of the existential challenges of today and the vision of a truly human future for humanity that I want to announce we just created the LaRouche Legacy Foundation, whose aim is to publish his collected works, and to create a Renaissance of the studying of his ideas worldwide.

I want to invite all of you to take an active part in this endeavor. Lyndon LaRouche was the most agapic person I have ever met. He was a man of providence, because he lived his life in tune with history and the laws of the universe. He lives in the simultaneity of eternity.

A Very Precious Moment in History

We are at a very precious moment in history, and it is full of incredible challenges. But the New Paradigm, the vision of a completely new epoch of mankind, is already within reach. Let us be a decisive factor to bring it about. Let us fight this war for a beautiful future for humanity with a passionate love for mankind, as Lyn had. He is not with us today in person, but his spirit is with us. And in this incredible moment, because an empire is collapsing, lashing out, destroying the world rather than allowing the New Paradigm to emerge.

But we believe in the innate goodness of man, and therefore let’s look to mankind 100 years from now; let’s look at mankind with the mind of Lyndon LaRouche.

We will have fusion power, energy security, raw materials security. We will have villages on the Moon; we will have cities on Mars. And we will have established the shared community of mankind. Despite all of the unknowns of our very large universe—about two trillion galaxies have been discovered so far—with that approach, mankind will be the immortal species.

The Potential of the New Silk Road for Europe

by Wang Weidong

Wang Weidong is Minister-Counselor of the Commerce and Trade Department at the Chinese Embassy in Germany. We present here his edited remarks as prepared for presentation on Nov. 16, 2019 at the Schiller Institute Conference, "The Future of Humanity as a Creative Species in the Universe," in Bad Soden, Germany.

I would first like to thank Mrs. Zepp-LaRouche for her invitation. It is a great pleasure for me to exchange ideas with today's guests from many countries about the Belt and Road Initiative (BRI).

The term "Silk Road" is inextricably linked with Germany. It was invented in 1877 by the German geographer Ferdinand von Richthofen and has long since become common knowledge. But the development of the Silk Road goes back to more than 2,100 years ago. During the Han Dynasty, Chinese official Zhang Qian was sent to Central Asia twice, and thus opened the door to friendly relations between China and the Central Asian countries. At the same time, he opened a cross-connection from East to West, which linked up to the trade routes to Europe as the Silk Road. Chinese goods such as silk, porcelain and tea flowed through that road into all parts of the world, while Confucianism and Chinese culture were spread throughout the Silk Road. This was a major chapter in the history of exchanges between East and West.

Today, 2,100 years later, we find ourselves in an era of constant challenges and growing risks. Unilateralism and protectionism seriously threaten peace and stability in the world, and not a single country can be spared. The right response to that is to set into motion interregional cooperation of even greater magnitude, at even higher and even more numerous levels. When President Xi Jinping proposed in 2013 the initiative of international cooperation on building the New Silk Road, his aim was to enhance connectivity and consolidate pragmatic cooperation so as to meet the risks and challenges of mankind hand in hand, and to promote common development for mutual benefit.



EIRNS/Chris Lewis

Wang Weidong

Purposeful Prosperity

How successful has the Belt and Road Initiative been in these first six years? The project has increasingly gained in international support and approval. So far, more than 160 countries and international organizations have signed 195 government agreements with China. The United Nations, the G20 and APEC have already included the BRI and its key points in their final documents.

In these six years, there have been more than \$6 trillion in trade with countries and the BRI, and more than

\$90 billion in direct investments into the countries concerned, and many cooperative agreements have been set up locally at the same time. So, with that, the BRI has provided a new platform for international trade and investment, and created new leeway for the growth of the global economy.

In these six years, China, together with the participating countries, has founded 82 industrial parks, and they have brought the host countries more than \$2 billion in tax revenue, and created about 300,000 jobs. That cooperation has improved the living conditions of the local populations and created a better business climate and more and more development opportunities. According to a World Bank report, once all the transportation projects of the BRI have been completed, trade should increase by 2.8%-9.7%, and 7.6 million people will have been freed from extreme poverty. So, these accomplishments show clearly that although the BRI began in China, its positive effects have radiated throughout the whole world.

A few days ago, during his state visit to Greece, our President Xi personally visited the port of Piraeus, a project that had been followed with great attention by all sides. Despite critical voices from EU government circles, this project is highly appreciated both by the Greek Government and by workers and local residents. When the Chinese investor arrived here eleven years ago, the port was still in a deep crisis. Since China's entry, however, it has developed rapidly and dynami-

cally. In the worldwide ranking of container trans-shipment, it has already moved up from 93rd place eleven years ago to 32nd place. More than 5,000 new jobs have been created since then. The port of Piraeus is today the largest port in the Mediterranean and one of the fastest growing container terminals in the world. Its development prospects for the future are also promising.

Now, as concerns the cooperation between China and Germany, both countries have already reaped tremendous benefits from their first, early successes. In spite of criticism from government circles and from the EU, they have been very well received by other countries.

Now, if you consider the city of Duisburg, for example, the port was in a severe crisis when Xi Jinping first arrived here. But in the meantime, it's gone from place 93 some years ago, to place 33 this year, and about 3,000 new jobs were created in the port of Duisburg. And in Piraeus, the port is the largest in the Mediterranean region, and it's become the largest for container traffic. And it looks very promising for the future.

Regarding the cooperation between China and Germany, they have, as I said, had much success in the beginning. Now the rail link between China and Europe is the most effective project we can say, in that respect. The shipping time has decreased by about 30% compared to ocean shipping, and the costs are only one-fifth of what air freight costs. So, the benefits are obvious. As of today, more than 17,000 trains have run on the line, and including 40% between China and Germany. The connections pass through more than 50 cities and 15 countries, and ensure a balanced utilization in both directions.

Again, looking to the city of Duisburg as an example, since Xi Jinping's paid a visit there in March 2014, the rail traffic has increased between China and Europe, and it has also favored investments by Chinese companies, so that the number of Chinese companies in Duisburg today has gone from 40 to over 100. In the logistics branch alone, around 3,000 new jobs were created.

Another very important hub of the BRI is the city of Hamburg, and we could say that rail transport between China and Europe has become the longest connection of cooperation on the Eurasian continent, and it's given new impulse to regional economic growth.

A New Era Beckons

This year, we have the 70th anniversary of the founding of the New China, and the diplomatic relations between China and Germany were established 47 years ago. Under the motto, "Cooperation for Mutual

Benefit," relations between China and Germany are being further developed and have reached an unprecedented breadth, depth, and intensity. Bilateral relations in the economy and trade have steadily grown. Germany has maintained its position for more than 43 years now as China's largest trading partner in Europe, while China has become Germany's largest trading partner worldwide. And ever since China introduced a new series of reforms and opening-up, German companies like BASF, BMW, and Allianz have been among the prime beneficiaries.

Looking to the future, one might ask what are the opportunities for both countries, China and Germany, from the New Silk Road? Now, in April of this year, President Xi set out his ideas at the second Belt and Road Forum for International Cooperation; he presented his ideas for high-quality joint expansion of the New Silk Road. In May, when Chancellor Merkel visited the port of Hamburg, she strongly stated the obvious benefits of the BRI for the development of Hamburg and its port. The German Chamber of Commerce and Industry has listed the BRI as a priority, and it promotes working toward a better understanding of the huge opportunities for German companies. Over the past year, I, for example, have often received invitations to events about the New Silk Road. So, the interest is constantly on the rise.

If we look to the third decade of the 21st century, the BRI will enter into a new phase, in which China and Germany, or Europe, will be able to further expand their cooperation. First of all, that means to help define the rules. Germany is a founding member of the Asian Infrastructure Investment Bank, the fourth-largest shareholder, and the largest non-regional investor. In the framework of the AIIB, Sino-German cooperation in jointly financed projects, has proven to be extremely fruitful.

So, Europe, including Germany, is one of the leading voices and forces in establishing rules and standards for the cooperation. So, they have steadily improved and they will continue to do so in the future, and Germany will, of course, be invited to take part to make a contribution.

Secondly, it means opening new third markets. Many German companies have already begun to capitalize on cooperation with third countries, for example, Siemens and Voith have opened overseas markets together, with more than 100 Chinese companies. The port of Duisburg is actively involved in setting up a Sino-Belarusian industrial park and it's negotiating greater logistical coop-

eration with Chinese companies. Working together in third markets is a model for the kind of international cooperation characterized by openness, tolerance, pragmatism and effectiveness. It embodies, in fact, the golden rule of the BRI, which is, “be part of the discussion, be part of the design, and the benefits.” And moreover, it helps the parties involved to unleash new driving forces through the effects of synergy, and to gain mutual advantages according to the formula $(1+1+1) > 3$.

Thirdly, it means promoting environmental development. We used to always pollute first and repair the damage afterwards. In the wake of economic development, however, China no longer wants to stick to that old way of doing things. Therefore, in developing the New Silk Road, the utmost importance is given to ecological compatibility, and environmental protection. The idea is to build a green Silk Road, and we will continue to adhere to the concepts of openness, ecology and honesty. And, in view of the next phase, we have introduced a series of measures for financing, anti-corruption, and environmental production. The German side is, of course, invited to join in and to bring its rich experience to this.

Building Bridges, or Walls?

The world is now at a crossroads, and it must make a choice. Do we want walls or bridges? Multilateralism

or unilateralism? The joint development of the New Silk Road is there to support an open global economy, and worldwide partnerships. But despite the great interests, economically, the official position of the EU and some Western European government remains reserved, if not negative. The mainstream media and the so-called think-tanks always consider the initiative critically, and are often full of fake news.

Nonetheless, we hope that more countries and companies, Germany, of course, will also take an active part in the initiative.

Finally, I would like to take this opportunity to thank Mrs. Zepp-LaRouche and the Schiller Institute. On the one hand, unlike most Western think tanks, you have a profound understanding of the importance of the BRI initiative for global cooperation, for the future of humanity, or in various ways, such as economic, cultural and cultural globalization perspectives, but unlike the others, do not criticize the initiative over and over again and often only from a geopolitical or ideological calculation. On the other hand, you have offered guests from different countries a good platform for exchange and dialogue. I would like to express my sincere thanks for this.

Finally, I wish all the friends present all the best. Thank you for your attention!

LaRouche’s Science of Physical Economy as Key to Solving the Problems of the World, Eurasia, and Ukraine

by Natalia Vitrenko

Dr. Vitrenko is a former Member of Parliament of Ukraine, and is the leader of the Progressive Socialist Party of Ukraine. We present here her edited remarks as prepared for presentation on Nov. 16, 2019 at the Schiller Institute Conference, “The Future of Humanity as a Creative Species in the Universe,” in Bad Soden, Germany.

It is a great honor for me to speak to the conference about the role of LaRouche’s teachings for solving the problems both of the world as a whole,



EIRNS/Chris Lewis
Natalia Vitrenko

and of particular continents, such as Eurasia, as well as those of specific countries, like Ukraine.

This is my first address to a conference of the Schiller Institute, since the death of the outstanding person, the patriot of planet Earth, the world-renowned economist, philosopher, and political and public figure, Lyndon LaRouche. I am proud that for nearly a quarter of a century, in various forms, I was able to listen to the great LaRouche and to see him at conferences, where we could discuss socioeconomic and geo-

political processes, as well as to spend time at the home of Lyn and Helga—a family living at a very high intellectual level. I am grateful that I was able not only to be acquainted, but to be friends with these unique people.

The great Lyn has left us. But his teachings, the powerful light of his ideas, remain. Likewise planet Earth's problems remain, and they are growing in an ominous way, to an explosive level. Lyndon LaRouche forecast and warned about this. In particular, at the forum "For the Unity of Europe. How to Restore Trust," which was organized in January 2019 in Moscow by the International Slavic Academy of Sciences, Education, Arts, and Culture. In my lecture, "Towards a United Europe through a Paradigm Shift," in the search for solutions to the problems of Europe today, I utilized the ideas of Nicolaus of Cusa, Vladimir Vernadsky, and Lyndon LaRouche. (This was published in the journal *Slavyane (The Slavs)* No. 4/1 for 2018/2019.)

This analytical methodology is extraordinarily important, because it is scientific, and has been confirmed in practice. I do not know of any other scholar in the world who could forecast financial crises as precisely as Lyn did, both in the world economy as a whole and in individual countries. I believe that the works of Lyndon LaRouche on the methodology of economic studies, as well as his specific proposals for changing the nature and the role of the international institutions that determine the existing world order, and his proposals for reorganizing the world and creating an entirely different world order, should be a separate subject for study by students at all the leading universities in the world.

The precision of LaRouche's forecasts and his meticulous treatment of the problems of national economies are clearly demonstrated in the case of my country, Ukraine. Ukraine was one of the most advanced republics of the former Soviet Union. As recently as 1991, it was a prosperous and progressively developing country. The Ukrainian Soviet Socialist Republic was among the top ten countries of the world, as measured in GDP per capita, greater than that of Poland, Portugal or Argentina. Ukraine was among the top six (I repeat, six!) countries in the world, possessing full-cycle production capacities for making aircraft, and highly advanced, modern ship-building, diesel engine-building, and the automobile (including buses), missiles, and agricultural implements industries. All of this was based on Ukraine's scientific, R&D, and technological capabilities. We had no unemployment. We had a steady increase in skills-training for the labor force.

The Destruction of a Modern Industrial Economy

In June 1992, Ukraine joined the International Monetary Fund and agreed to implement all the conditionalities dictated by the IMF for credits issued. Volodymyr Marchenko and I came to a Schiller Institute conference in Washington in February 1995, and reported that a discussion was under way in Ukraine about a government reform program, which was then to be approved by the Parliament. Lyn and Helga were not indifferent to the inevitable catastrophe facing our country. At that time, we were representatives of the Socialist Party of Ukraine (SPU), whose leader, Alexander Moroz, was Speaker of the Parliament. The reform policy in Ukraine largely depended on him personally and on the Parliamentary group of the SPU, especially insofar as Ukrainian economists and economic managers were torpedoing the IMF's monetarist, colonial prescriptions within the country, essentially supporting LaRouche's theory of physical economy and advocating a policy under which the development of material production would be decisive.

First, the Schiller Institute sent its representatives, Michael Vitt and Dennis Small, to Ukraine; in May 1995, they met with party activists of the SPU. Then, in June 1995, Lyndon and Helga came to Kiev, where a meeting was arranged between them and the Speaker of the Parliament. As a participant in that meeting, I witnessed how convincingly, and in what a well-argued fashion, LaRouche urged Moroz not to accept the IMF loans, and to refrain from implementing reforms according to the IMF recipes.

Unfortunately, the intellectual level and moral qualities of Moroz prevented him from taking the advice of the great American economist, which was so crucial for the fate of Ukraine. As a result, and as LaRouche had warned, the Ukrainian catastrophe became irreversible. But there had been a chance, a real historical chance, to prevent this terrible destruction of the economy, and the impoverishment and dying out of the population!

Unfortunately, the inability to realize the magnitude of the threats and to choose a pathway of national salvation is a problem not limited to Moroz and the Ukrainian political elite. It is a problem of the political elites in practically every country in the world with the exception of China. As a result, because of their failure and inability to understand fundamental socioeconomic and financial processes, and to take responsibility for the fate of their populations, not only their own coun-

tries suffer, but the whole world suffers.

This challenge is now at the top of the world's agenda. What LaRouche tirelessly talked about—the inevitability of the global financial crisis (comparable in its effects to thermonuclear war), stemming from the inflation of gigantic financial speculative bubbles to a critical size—is now being talked about by experts on every continent: Paul Krugman and Mark Mobius, George Soros and Mervyn King, and analysts from the Bank of England, the World Bank, Bank of America, and others.

The enormous financial debt of not only the weak countries of the Third World, but also the leading economies of our planet (and that is the most important thing!), is turning the world economy into a powder keg, which inevitably will explode in the near future. According to data from the U.S. Central Intelligence Agency, the USA's debt in 2019 is \$23 trillion (135 percent of GDP), Japan's is \$13 trillion (295 percent of GDP), and the UK's is \$2.7 trillion (108 percent of GDP). Yet the World Bank states that the maximum permissible debt level for a country is 77 percent of GDP.

Death-Dealing Reforms

Let us return to Ukraine. Ukraine fully implemented all of the IMF's demands: the state sector of the economy was dismantled, with mass privatization; the National Bank was no longer subordinated to the government; and a system of commercial banks was established, within which the smallest banks are regularly shut down. Simultaneously we had the deregulation of prices, the currency exchange rate, and foreign trade, so all the conditions were created for the formation and enrichment of a Ukrainian oligarchy.

Another boost to their capital was the cheap-labor model, imposed by the West, based on an artificial understatement of the official minimum subsistence level of income, which was set at only 20 or 25 percent of the real cost of living. This, in turn, led to meager wage and pension levels, and pitifully low social benefits. Macroeconomic stability was evaluated exclusively by the reduction of the budget deficit through cuts in funding for healthcare and education, and for culture and sports, and through constant increases in utilities rates, justified by the mantra that they needed to be raised to market levels, and that the government should be removed from any regulation of prices on food, medicine, and vital necessities, and communications, transportation, and other services.

This brought about a constant, unrestrained rise in

the cost of living. The great majority of the population was deprived of the ability to cover the cost of living with their income.

It is therefore no surprise that Ukraine ranks last out of all 42 European countries, in purchasing power of the population. These statistics were published in October 2019 in the study "Purchasing Power Europe 2019" by the data analysis company GFK. On average, the income of a resident of Europe in 2019 is 14,739 euros, while the average Ukrainian's income is 1,830 euros—only one-eighth as much.

Ukraine's economic policy is determined by the shared interests of the Ukrainian oligarchs and the international financial institutions (the IMF, the World Bank, the EBRD, the World Trade Organization, and others), which in turn express the interests of the ruling circles in the leading countries of the West. They have no use for Ukraine as a competitor or an equal partner. Just as LaRouche warned, they have no interest in the development of the national economy or its very basis—physical economy and material production. They are interested in having a large market for their goods and services, so as to increase their own profits. They need Ukraine as a supplier of raw materials for their companies, and of super-cheap, highly skilled labor.

The plans of the West also include taking over Ukraine's very territory. (Remember, this is a country in the geographical center of Europe, an important transit juncture for the continent of Eurasia, with outlets to two seas and a great number of rivers, lakes, and large forested areas.) Of particular importance is our wealth of arable land (19 percent of all the farmland in Europe) and black earth (8.7 percent of the world's black earth soil).

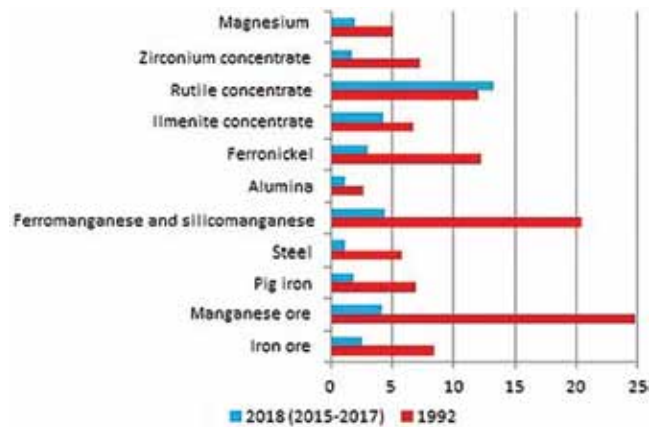
Poverty and Emigration

Therefore the Western orchestrators of the reforms in Ukraine, along with the Ukrainian oligarchs, are absolutely indifferent to the suffering of our people, which has led to a horrific scale of labor emigration from Ukraine (at least 10 million people in the past five years) and negative natural population growth (the death rate is almost double the birth rate). The outcome is that the population of Ukraine has fallen from 52 million people at the time of independence in 1991, to 30 million today.

Experts have been raising the alarm for a long time, and that is their estimate of the real population of the country, but government statistics continue to cover it up, stating that the population is 42 million, not counting Crimea or the self-proclaimed Donbass republics.

FIGURE 1

Ukraine’s Share in World Production



Source: <https://aftershock.news/?q=node/751692>

The current Speaker of the Parliament, Dmytro Razumkov, however, had to acknowledge the real state of affairs, when he argued in September 2019 in favor of amending the Constitution of Ukraine, to reduce the number of People’s Deputies in the Parliament from 450 to 300.

The Ukrainian economy today is a sorry spectacle. GDP in 2018 was at only two-thirds the level of 1991. Ukraine’s GDP was one-sixth that of Argentina; one-fifth the GDP of Poland; and half that of Portugal. According to IMF figures for 2018, average GDP per capita worldwide was \$11,730. In the advanced countries it was \$48,970, and in the developing countries \$5,490. In Ukraine, it was \$2,820!

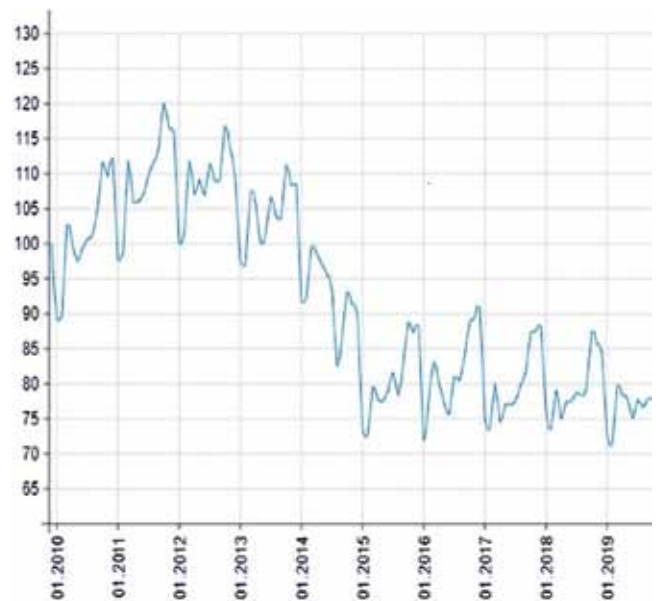
But GDP is a monetary category, being the monetary expression of the totality of goods and services produced in a given period of time. What is hidden behind this screen? How much of precisely what goods did the country produce in this time period? From this standpoint, the case of Ukraine is dreadful. Having obeyed the IMF, the USA and the European Union, and receiving their constant praise for the success of the reforms, Ukraine has actually experienced a total economic catastrophe.

Looting the Physical Economy

Look at the first graph. [Figure 1] It shows the decline of Ukraine’s share in world production of the most important raw materials for the metallurgical industries. [The red bar shows Ukraine’s share of world production in 1992, and the blue bar is for 2018.] With the exception of rutile concentrate, production of all the other components collapsed deeply. So did output of pig iron and steel. In 2013-2018 alone, steel output fell

FIGURE 2

Index of Ukraine’s Industrial Output, 2010-2018
(2010=100)



(Ukrainian Ministry of Finance data, <https://index.mlnfin.com.ua/economy/index/industrial/>)

by nearly one-third, from 30.6 million tons in 2013, to 21.1 million tons in 2018; pig iron fell by 20 percent, from 25 million tons in 2013, to 20.5 million tons in 2018. Yet this is a strategically important sector for Ukraine: Steel and other metallurgy companies account for 30 percent of Ukraine’s total industrial production and 25 percent of our exports.

The second graph [Figure 2], Index of Ukraine’s Industrial Output, shows the condition of Ukraine’s industry. It is clear that our industry is comatose, and is disappearing from this country, which quite recently was an industrial power. Industry’s share in Ukrainian GDP has fallen by more than one-half: from 44 percent in 1991, to 20 percent in 2018; while the share of machine-building in industrial output also declined by nearly one-half: from 31 percent in 1991, to 15 percent in 2018. The share of innovation-based products sold, within total industrial production, has fallen by a factor of 13 just since the beginning of this century: from 9.4 percent in 2000, to 0.7 percent in 2017.

The table [Figure 3] shows the indexes of Ukraine’s industrial production in January-August 2019.

The data show that industrial production as a whole is continuing to collapse, while the power industry and machine-building are falling at a faster rate than other sectors. Electricity output has fallen by one-fourth in just the past five years—from 200 billion kilowatt-

FIGURE 3

Index of Ukraine's Industrial Output, January-August 2019

(January 2019=100)

All industry	91.0
Extractive industries	98.3
Manufacturing industry	92.8
Machine-building	87.5
Supply of electric power, natural gas, steam for heating	71.5

(Ukrainian Ministry of Finance data, <https://index.minfin.com.ua/economy/index/industrial/>)

hours in 2013, to 150 billion kilowatt-hours in 2018.

I will give you another couple of figures from machine-building: In 1991 our leading aircraft manufacturer, Antonov, produced 250 planes, but this year, in 2019, they have not produced a single one! Ten years ago, Ukraine managed to produce 423,000 automobiles, but a decade later the number is 8,600—that's lower by a factor of almost 50! The same destruction has occurred in other material goods-producing sectors. The number of cattle has fallen from 25.2 million head in 1990, to 3.7 million in 2019—only one-seventh of the previous herd. And nobody takes responsibility for this catastrophe.

LaRouche stood up precisely against the destruction of the physical economy. That is why he advocated building transport corridors of development from the Atlantic to the Pacific and Indian Oceans, and put forward head-spinning ideas about developing the Moon and making flights to Mars.

Human Creativity and Human Freedom

What for? So that advanced technologies would be developed more rapidly, and productive capital would dominate, rather than speculative capital, and the activity of the banking sector would be reorganized accordingly. The state would invest in the development of infrastructure, creating the needed conditions for the development of the power industry, transport, and industrial production. In other words, the state would be responsible for the development of the physical economy as the basis of its entire economic system.

Lyndon LaRouche, as an outstanding economist, philosopher, and politician, drew our attention not only to the causes and the scale of the oncoming upheavals, but also to the political consequences of the destruction of the existing monetary system. He warned that the oligarchy would call for a policy of strict austerity and would establish fascist dictatorships. Therefore it was essential that progressive humanity defeat the oligarchy and free ourselves once

and for all from that parasitical system.

And now all mankind has seen the re-birth of Nazism (fascism) in Ukraine. I spoke about this openly at my press conference in the European Parliament on February 26, 2014, immediately after the coup d'état in Ukraine. Once again I want to thank our co-thinkers from the Schiller Institute both for organizing our trip to Europe at that time, and for organizing the press conference. The further development of events completely confirmed our assessment.

It was the Nazi, Russophobic coloration of the Euro-maidan, that led to the loss of Crimea and set the stage for the fighting in Slavyansk and the monstrous attack on the anti-fascists in the Odessa House of Trade Unions, and brought on the fratricidal war in the Donbass. This war has continued for five and a half years. Even the official statistics say that 13,000 lives have been lost, including civilians—women, the elderly, and children. Hundreds of thousands have been wounded or psychologically traumatized. Millions became refugees.

All Ukraine is afflicted by the Nazi militants. They are armed, well-trained, and well-funded. They carry out acts of intimidation and “raider” seizures of premises, all over the country. Under Ukraine's new President, Volodymyr Zelensky, they are holding the entire population in fear, and terrorizing the country. Instead of rooting out Nazism and banning all Nazi parties and movements, the Ukrainian government has, to the contrary, made a Nazi ideology official, and is fighting against leftist parties and anti-fascist organizations. Six thousand of our compatriots are in prison as dissidents.

The persecution of our Progressive Socialist Party of Ukraine, an opposition party, is continuing. Our party headquarters and the editorial offices of our party newspaper, which were seized three years ago, have not been returned to us. Law enforcement agencies refuse to investigate the attacks by the Nazis against the leaders of the party and on party demonstrations, and those responsible have not been brought to justice. The Ministry of Justice of Ukraine has blocked the operations of our party by not officially registering the documents of now five of our congresses, while court decisions in our favor have been met with defiance, and simply not implemented.

The Aftermath of 2014

Throughout the years since the 2014 coup, we have done everything in our power to bring the truth about

Ukraine to the world. There has not been any proper reaction on the part of the international community. But this cannot go on forever.

And so, at last, Europe is beginning to sound an alarm.

One year ago, on October 25, 2018, the European Parliament passed a resolution titled “On the Rise of Neo-Fascist Violence in Europe,” in which they were forced to observe that:

Openly neo-fascist, neo-Nazi, racist and xenophobic groups and political parties are inciting hatred and violence in society, reminding us of what they were capable of in the past.

At that time, the Europarliament adopted sweeping recommendations to the nations of Europe. I will cite two of the 32 points of this resolution:

9. Calls on the Member States to strongly condemn and sanction hate crime, hate speech and

scapegoating by politicians and public officials at all levels and on all types of media, as they directly normalize and reinforce hatred and violence in society;

12. Calls on the Member States to investigate and prosecute hate crimes and to share best practices for identifying and investigating hate crimes, including those motivated specifically by the various forms of xenophobia....

As we can see, LaRouche was right in this regard, too. The IMF’s economic reforms, which destroyed material production, i.e., the physical economy, led to a political coup, and to Nazism and fascism. Of course all possible approaches, and the world’s entire experience, must be employed to defend mankind (the population of Ukraine included) from Nazism, fascism and xenophobia. Without this, the world cannot be saved or transformed.

Lyndon LaRouche gave us the knowledge, which we are obligated to use for the salvation of humanity!

Russia in China’s ‘One Belt, One Road’ Initiative: Possibilities and Prospects

by Prof. Andrei Ostrovskii

Professor Ostrovskii is the Deputy Director of the Institute of Far Eastern Studies of the Russian Academy of Sciences. We present here his edited remarks as prepared for presentation on Nov. 16, 2019 at the Schiller Institute Conference, “The Future of Humanity as a Creative Species in the Universe” in Bad Soden, Germany.

In the Beginning

In Autumn 2013, at a summit with President of Kazakhstan Nursultan Nazerbaev, President of the People’s Republic of China (PRC), Xi Jinping declared the beginning of a project called the “Economic Belt of the Silk Road.” This project consists of two parts—a continental belt via Kazakhstan and Russia to Europe or the Mediterranean Sea, and a sea belt via South-East Asia. Later, these projects were



EIRNS/Chris Lewis

Andrei Ostrovskii

called “One Belt, One Road” (OBOR).

In the beginning of 2015, President of the Russian Federation Vladimir Putin declared founding Eurasian Economic Union (EEU), where there are five members—Russian Federation, Kazakhstan, Byelorussia, Armenia and Kyrgyzstan. There was a proposal to establish a free trade zone “Eurasia Economic Union and China,” but in May 2015 by the decision of EEU and China’s leadership, the Russian Federation and the People’s Republic of China made a joint statement about mutual cooperation for conjunction of two projects—EEU, and Economic Belt of the Silk Road.

The statement proclaims that both sides will “undertake joint efforts for conjunction of two projects—Eurasian Economic Union and Economic Belt of the Silk Road” and “adjust joint cooperation within bilateral



Six years after Xi Jinping announced the Silk Road Economic Belt and Maritime Silk Road in 2013, 157 nations and 30 international organizations are participating.

and multilateral formats, first of all within the Shanghai Cooperation Organization (SCO). . . .” (See *Joint Statement of the Russian Federation and the Peoples’ Republic of China about Mutual Cooperation on Conjunction of Two Projects—Eurasia Economic Union and Economic Belt of the Silk Road, May 8, 2015/Economic Belt of the Silk Road*. Russian Biographical Institute, Institute of Economic Strategies, Moscow, 2015. Page 22.)

China’s project “Economic Belt of the Silk Road” has evident advantages in comparison with Russia’s project “Eurasian Economic Union” because of its ancient basis (more than 2,100 years). Both projects have common and non-contradictory cultural standards, project “Economic Belt of the Silk Road” includes population of more than 3 billion people, and project “Eurasian Economic Union”—only about 200 million people.

In March 2015, the Ministry of Commerce and the State Committee of National Development and Reform of the PRC published a joint document, where it was stated: “On the one hand—developing economies of East Asian countries, on the other hand—developed economies of European countries, and between them there are countries with vast space of lands with big potential of economic development” (See *Wonderful Prospects and Practical Actions on Joint Building Economic Belt of the Silk Road and Maritime Silk Road of the 21st Century*. Russian Biographical Institute, Institute of Economic Strategies, Moscow, 2015. Page 30.)

For China the project “Economic Belt of the Silk Road” gives vent to rapid development of its Western areas—three provinces Shaanxi, Gansu, Qinghai and two autonomous regions—Ningxia-Hui and Xinjiang-

Uyghur, which are behind coastal areas by the GDP volume and growth rates. This project will promote even distribution resources and industries all over the territory of China for achievement of higher social and economic results.

Initiative Becomes Part of China’s 13th Five-Year Plan

“Economic Belt of the Silk Road” project became a part of China’s 13th Five-Year Plan (2016-2020) that was adopted at the March 2016 Session of the National People’s Congress. This project

should be fulfilled within 30 years. It will include “Seven Belts”: transport, energy, trade, information, scientific and technical, agricultural and tourist.

In March 2015 at “The Asian Economic Forum,” Russian Vice-Premier Igor Shuvalov declared the decision of Russia to take part in the strategy of “Economic Belt of the Silk Road”:

Free movement of goods and capital within Eurasian Economic Union is bringing together European and Asian economies, that has in common with the Chinese initiative “Economic Belt of the Silk Road.” In Russia we are sure that joint work on two projects “Economic Belt of the Silk Road” and “Eurasian Economic Union” could create new possibilities for the development of China and countries of Eurasian Economic Union. (See Remyga V.N., Padalko V.I. *New Global China’s Strategy—‘Economic Belt of the Silk Road’*. Russian Biographical Institute, Institute of Economic Strategies, Moscow, 2015. Page 66.)

On the territory of the countries of Eurasian Economic Union—Russia, Kazakhstan and Byelorussia—growth rates of economy could be developed rapidly in the area of transport infrastructure construction (railroads and highways) by route Druzhba (Dostyk)—Almaty—Orenburg—Kazan—Moscow—Minsk as it had been developing in the zones of Trans-Siberia Railroad and Chinese East Railroad in the end of the 19th and beginning of the 20th centuries. As the experience of these projects (Trans-Siberia Railroad and Chinese East Railroad) shows, after building railroads of large length with sea terminals, the territories adjacent to the

railways develop very fast. For example, in that period of time the Russian Far East and East Siberia developed by this way, just as the Chinese territories in the Northeast provinces Heilongjiang, Jilin and Liaoning.

The conjunction of two large-scale projects on the one hand, helps Russia and other countries of Eurasian Economic Union to create a huge transit zone for goods from Europe to Asia, to develop a market for produced goods both in China and in Asian countries. On the other hand, China will have more possibilities for developing its sales markets and raw materials markets.

Conjunction of Eurasian Economic Union and Belt & Road

The conjunction of these two projects—“Eurasian Economic Union” and “Economic Belt of the Silk Road”—could also help to develop trade and economic cooperation between countries of the Shanghai Cooperation Organization (SCO). “The North Route” of “Economic Belt of the Silk Road” passes through the territory of three main countries of the SCO—Russia, China and Kazakhstan. After developing the project, the route of “Economic Belt of the Silk Road” will pass from China through Central and Western Asia—to the Persian Gulf and the Mediterranean Sea. It can help to involve in the sphere of this project not only other countries of the SCO—Kyrgyzstan, Tajikistan, Uzbekistan—but a number of neighbor countries of Central and Western Asia as a result of mutually beneficial cooperation.

In the course of developing “Economic Belt of the Silk Road,” all sides should come to an agreement on the coordination of their development strategies, taking into account their economic, political and legal practice. The basis for the project is building, developing and improving transport infrastructure on the territory of “Economic Belt of the Silk Road” including super high-speed railway, for example: Moscow—Beijing.

The next stage of the conjunction of two projects is decreasing, and then eliminating, trade and investment barriers between members of “Economic Belt of the Silk Road.” It is necessary for increasing their trade and



Tajikistan President Emomali Rakhmon (left), Russian President Vladimir Putin (center), Chinese President Xi Jinping (second from right), and Kazakhstan President Nursultan Nazarbayev (right) at SCO Summit on June 10, 2018 in Qingdao, China.

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investment potential, speeding up capital movement within the economic system, and the harmonization of currency systems. It could be brought to the situation, if country-members of “Economic Belt of the Silk Road” were to refuse to use dollars in accounts between them.

For conjunction of the two projects—“Economic Belt of the Silk Road” and “Eurasian Economic Union”—it is necessary to use opportunities of new financial structures—Asian Infrastructure Investment Bank (AIIB) and Silk Road Foundation (SRF). It will help to solve, simultaneously, several tasks, connected with further activity of trade and investment cooperation including infrastructure development by rail route Beijing—Almaty—Moscow—Minsk, harmonization of currency for country-members, investment cooperation between “Eurasian Economic Union,” “Economic Belt of the Silk Road” and the Shanghai Cooperation Organization.

The fulfillment of this task is quite possible on the base of AIIB with \$100 billion of fixed assets and Silk Road Foundation with 40 billion of fixed assets. It helps to provide for the development of the project “Economic Belt of the Silk Road” on the basis of financial strength of China, its large amount of gold and hard currency reserves, a huge transit zone between the PRC and the European Union.

In April 2019, the Second International Forum on initiative “One Belt, One Road” (OBOR) took place in

Beijing. About 40 leaders of the countries along the OBOR route and more than 1,000 experts and journalists took part. PRC President Xi Jinping made a principal speech, and more than 140 cooperation agreements were signed. The volume of Chinese investments in the projects along the OBOR route was more than \$80 billion, and the volume of tax and other kinds of payments exceeded \$2 billion. (See Li Hui, “China Proposed a New Way for the World,” *Dykhaniye Kitaya*, No. 4, 2019. Page 11.)



China an Optimal Partner for Developing Siberia and Far East

Now China is an optimal foreign partner for Russia’s solving the strategic task of developing Siberia and the Far East.

First of all, the orientation to the Chinese market can help economically with effective exploration of natural resources in these territories, which demands large investments and long period of time.

Second, the development of Siberia and the Far East is in line with China’s interests, because it will help solve the task of the reviving the old industrial base in the North-East China, in neighboring regions with Russia, and providing Chinese economy with necessary natural resources in general.

Third, the development of Sino-Russian foreign trade could stimulate economic relations of Russia with Japan and Republic of Korea. Russia takes an important place in foreign economic strategy of Beijing as a supplier of raw materials and energy resources and a market for Chinese machinery production and electronics.

China considers Russia an important partner for supplying crude oil and natural gas. Now by crude oil supply in China, Russia passed ahead Saudi Arabia, other Arabic countries, and several African countries. In the future, Russia is to take a leading position in supply of natural gas to China after putting into operation the gas pipeline “Strength of Siberia” from Chayanda gas deposit to Northeast China (gas pipeline capacity—55 billion cubic meters per year).

Nowadays the most part of crude oil and natural gas supply to the PRC is carried out from Arabic countries and several African countries by sea through narrow Strait of Malacca in Southeast Asia, which could be

Russia sits on top of one of the greatest concentrations of raw materials on this planet, especially in Siberia. Pictured here, an oil-drilling site in Siberia.

blocked in an emergency situation. That is why China is interested in alternative routes for energy resources and other goods supplies from Russia and Central Asian countries by land and from Latin America through the Pacific Ocean. In order to secure energy resources supply from Venezuela, for example, China began to develop building a channel from the Atlantic Ocean to the Pacific Ocean through Nicaragua. For this purpose, China put into operation the Gwadar Port in Pakistan. By this route it is possible to deliver cargo including crude oil and natural gas in tank trucks across the Khunjerab Pass, at least six months a year.

The Far Eastern Federal District occupies 36% of the territory of Russia; it has only 5% of Russia’s population, but 30% of Russia’s reserves of coal, 20% of hydrocarbons, 25% of timber and large reserves of rare and non-ferrous metals. But the Far East infrastructure is underdeveloped. There is only a motor road from Irkutsk to Vladivostok. There are only two railways—Trans-Sib and Baikal-Amur Main Line (BAM), which is underloaded because of economic backwardness of the region which otherwise has high reserves of natural resources and direct access to the deep-water port Sovgavan, which is better than deep water port San Francisco by its natural conditions.

The steamship communication by the Arctic Sea Way is underdeveloped too, but earlier it provided the most part of the so-called “Northern Delivery.” It is necessary to notice the weak development of the elec-

tric supply system, TV communications, and banking system. Till now, there were no oil and gas pipelines. The Far East and most of Siberia are separated from the European part of Russia. Besides, should we add high transport tariffs, which increase an economic gap between the Far East regions and European part of Russia?

The development of Siberia and the Far East is one of the most difficult strategic problems of regional development in Russia. But it becomes evident that for the Russian Far East, building “the growth poles,” increasing population, it is necessary to develop mutual cooperation with the states of the Asian Pacific Region (APR) for the establishment of joint ventures. The growth in Gross Regional Product (GRP) by means of these joint ventures and the growth of the GRP per capita will provide the basis for increasing demand by an increasingly solvent population, leading to the development of greater retail trade and service volumes. Russia could achieve these goals only by active regional economic cooperation and Russia’s inclusion in integration processes in the APR.

The participation of the Russian Far East and Siberia in initiative OBOR is one of the important forms of interregional cooperation in the APR.

There are three routes to the West. The first via Kazakhstan, the Caspian Sea, Transcaucasian Regions and Turkey; the second via Kazakhstan and European part of Russia, the third via Iran and Syria.

But there are a lot of Silk Road variants, beginning from Economic Belt of the Silk Road (*sichouzhilu* or *yidai yilu*) and Maritime Silk Road (*haisilu*) and finishing different sea and railroad routes over Eurasia.

There are three traditional routes through European part of Russia, Kazakhstan, Turkey, Iran, Georgia and Azerbaijan and there is an extra route via West Siberia, East Siberia and the Far East. There are plans to build two transcontinental bridges Europe—Asia (northern and southern), and the route Yekaterinburg-Novosibirsk-Krasnoyarsk-Irkutsk-Chita-Khabarovsk-Vladivostok will become an important part of northern transcontinental bridge. (See *One Belt-One Road. Yellow Book. 2014*. Yang Yanhong, ed. Ningxia Peoples’ Publishing House, Yinchuan, 2015. Pages 42-43.)

In the beginning of the 21st century, the authors of analytical report for Russia’s Federation Council of the Federal Assembly (Irkutsk, September 2000) determined four main directions for Russia’s integration into North-East Asia: (1) development of crude oil and natu-

ral gas resources of the Russian Far East and Siberia, and building an oil and gas pipeline network and electric power transmission lines; (2) utilization of Russia’s geographical position as a bridge between Europe and Asia; (3) attraction of foreign labor force for development of the Russian Far East and Siberia; (4) the establishment of technological parks on the basis of Russian scientific potential. (See *Russia’s Development Strategy in the Asia Pacific Region in the 21st Century*, Moscow, 2000. Page 33.)

Integration into Northeast Asia

All these directions for Russia’s integration into Northeast Asia are of great importance. But we should pay attention at some point concerning the utilization of Russia’s geographical position as a bridge between Europe and Asia. For regular work of the bridge, it is necessary to use a sea component—seaports with a capacity to handle a large volume of freight turnover, and which could handle ocean vessels with large volumes of cargo in containers. Now there are a lot of seaports in the Far East, but most of them are frozen in winter. There are only three seaports in the Far East—Vladivostok, Nakhodka and Zarubino—where ice conditions are more favorable.

It is necessary to compare possibilities of these three seaports of the Far East.

Port Nakhodka is a basic trade port on the South of the Primorsky Krai. Its main shortcoming is bad transport accessibility, which creates extra difficulties for cargo transportation from the port and limits its freight turnover.

Port Zarubino is preferable to Port Nakhodka by its climate and natural conditions, but its underdeveloped infrastructure on the adjacent territories limits its development perspectives. The authorities of Jilin Province feel inclined to use the port as an outlet to the sea, but there are a lot of economic and political obstacles on the way of its realization.

The most preferable variant is the development of Port Vladivostok, because its geographical position is the most advantageous. Vladivostok, in contrast to Nakhodka, has a preferable geographic position because of its more developed infrastructure: There are railways and motor ways, two airports and better connectivity of the transport network in comparison with Nakhodka and Zarubino.

Far East development needs large scale infrastructural projects, which demand large investments. State

budget investments or foreign investments in the frame of state-private partnership programs could be main sources of financing. That is why we may consider cooperation with APR countries as a real tool of complex development in regional economy.

Aspects of Sino-Russian Trade and Economic Cooperation

It is important to determine several aspects of Sino-Russian trade and economic cooperation, which have large influence on integration process in North-East Asia.

The growth of Sino-Russian trade and investment mutual cooperation promote China's economic development and help China keep high growth rates based on Russian natural resources. But the economic development of the Russian Far East and Siberia could be more

dynamic with a more developed infrastructure network.

There are four prospective directions of Sino-Russian mutual cooperation for the conjunction of the two projects—OBOR and EEU: (1) energy resources; (2) transport; (3) investment; (4) banking. The growth of Sino-Russian trade and economic relations now depends on trade exchange.

For better development of Sino-Russian trade it is necessary to pay attention to four above mentioned directions of Sino-Russian mutual cooperation. It could become a key link for the development of integration process in Northeast Asia and narrow the gap in economic potential between Asian and European parts of Russia. Russia should take a more active part in Chinese initiative “One Belt, One Road” in order to achieve the goal of the Russian Far East development.

BRIDGES: ITALY TO TUNISIA & ALBANIA

Connecting the Belt & Road Corridors From Cape Town, South Africa to Beijing

by Prof. Enzo Siviero

Prof. Siviero is the Chairman of the eCampus University, Italy. We present here an edited and abridged transcript of his presentation on Nov. 16, 2019 at the Schiller Institute Conference, “The Future of Humanity as a Creative Species in the Universe,” in Bad Soden, Germany.



EIRNS/Chris Lewis
Prof. Enzo Siviero

Dear Ladies and Gentlemen,

Thank you so much for this kind invitation. This is the second time I have been at a Schiller Institute conference. Years ago I was invited by Claudio Celani, who is my colleague. And my greetings to Helga, who is a fantastic person, whose work makes me proud to be here for that.

Let us start with the most important idea, that Europe and Africa should be like sisters and brothers. The Mediterranean Sea is, in a way, a big lake. It lacks the type of narrow gap through which Europe and Asia

have been linked. I will present here, an important project to link Africa to Europe, and from there to Asia. Let us start with the first part of a Mediterranean crossing from Africa, a new fixed link between Sicily and Tunisia. So, Tunisia will be the door both to Italy, and all of Europe, and to Africa. Then we will go the second link, from Italy to Albania. Albania, in that sense, will be the door from Italy—and Europe—to Asia, through Greece, and maybe Turkey, or to the north, the Black Sea.

If you don't dream, you can't see the future. If you let your heart speak, you can move beyond almost any obstacle. My dream is to connect Cape Town to Beijing! This is a huge, fantastic idea. Think of Leonardo da Vinci. What was Leonardo, 500 years ago? His was visionary engineering. Without vision, you have no future.

We can build through Africa what I have called a Ulysses corridor, going back to Homer's stories of Ulysses, also known as Odysseus. We need to take our minds back to these important ancient stories; these are part of our history and tradition. We are because we were; we will be, because we are! Our tradition, our history is our future. We have to always remember this and include all of us. Sometimes we forget China. It is the history of all of us.

TUNeIT and GRALBeIT

To move from Africa through Europe, let us look at this new corridor. I call it TUNeIT (Tunisia-Italy) and GRALBeIT (Greece-Albania-Italy). The corridor transits through Italy, and let us remember that Magna Graecia was in the south of Italy. There is, perhaps, more Greece in the south of Italy than in Greece itself!

Because it was more preserved. The TUNeIT Messina Bridge will do more than simply connecting Messina, on Sicily, and the Reggio Calabria. It brings these great, historic cultures together.

When you think of the full route, from Cape Town, South Africa to Beijing, a problem emerges when you think about crossing the Suez Canal, you find that you must connect through Israel. Some think that such a fixed crossing will be impossible; that there is an impenetrable obstacle, a wall so to speak. Such obstacles are the most important walls. Let us build the bridges and destroy walls. This is our hope, as our Chinese colleague also said. I say, if you find a wall, you have to destroy the wall, and with the same stones, you build a bridge. This is an advanced idea (sometimes I try to be a poet). [applause]

The GRALBeIT is a crossing from Vlora, Albania to Otranto, Italy in the Apulia region of Sicily. This is the shortest crossing between the two countries. There



The proposed corridor: TUNeIT, connecting Cap Bon, Tunisia to Mazara del Vallo in Sicily; the Messina Bridge, connecting Messina in the Northeast of Sicily to Reggio Calabria in the "toe" of Italy; and GRALBeIT, connecting Otranto, Italy to Vlora in Albania.

could be another choice. But Apulia is one of the most beautiful regions we have in Italy. Albania is growing and is, perhaps, a part of Europe more than other countries—why not bring Albania even more into Europe? We are in favor. Unfortunately, not all Europe is convinced.

Europe is similarly not yet convinced about the Silk Road. The relationship between the European Union and China is not where it should be. I think bridges should be mainly human bridges, political bridges, from one heart to the other. And smiles, a smile is the door of happiness. If you meet somebody, and they smile, their heart is open; the Sun is coming, they're happy, and it forms a bridge of flowers. This is my point: Bridge of flowers! [applause]

So, instead of thinking to the next election, please, we must all think a little bit further ahead. In the 1960s, we brought Europe together, with a different mentality than we see today. Now, Europe is worse, why? Because everybody thinks about his particularity, which is a loser. Everybody is losing. This is the reason why I like the Schiller Institute so much, be-

cause it opens the mind. The Schiller Institute tries to bring an understanding of that, of moving people beyond their particular thing. There is a lot possible in the future, for everybody! The flow of migrants cannot be solved with wars, cannot be solved by paying somebody to avoid having them come. We have to think about the whole global solution.

And maybe also, this project, this new corridor, could help! We will put thousands and thousands of people to work, and we will connect them.

If a project is impossible, I like it! Sometimes I remember that I'm an engineer, originally. I used to teach bridges to architects. So I became architect *honoris causa* for my bridges, because I'm a bridge-builder. All my bridges are very nice, not so big, but very nice, mainly human bridges.

Poetic Beauty of Mankind

Let us go back to the idea to connect Sicily and Tunisia. Fourteen years ago, ENEA (Italian National Agency for New Technologies), which is a very important research center, proposed a tunnel from one side to the other, with four intermediate islands. The TUNeIT (Tunisia-Italy link) embodies a poetic idea. [Prof. Siviero used a beautiful set of graphics to take the conference participants from a beautiful portrait of a partially veiled woman from the Middle East to the elliptical design of a cross section of the tunnel. He told the audience the following.] Maybe she's Islamic. Islam is the third step of monotheism. First is Judaism, the second is Christianity, and third is Islam. Why are they not thinking together? It's difficult—I understand. But the inspiration, the inspiration of these eyes is this one—an ellipse, and from the ellipse, just a cross-section of the tunnel. It's an invention, but we have to capture the attention of the people. We have to convince them that it is possible to think and dream.

Messina Bridge

Let's finish with the Messina Bridge, which is my dream, which has become a nightmare. For political



Courtesy of Enzo Siviero

Prof. Enzo Siviero: "Bridging cultures and sharing hearts."

reasons, we, in Italy, decided to cancel the contract! Such a decision is only seen in the history, if people refuse to use their brains. This was just for political reasons. It was a fantastic project, but the politicians cancelled it. My idea, again, dreaming, is to build a skyscraper-height bridge tower, 400 meters high. It will be our Scylla and Charybdis, the lamp of the Mediterranean—Calabria and Sicily could be connected, as it was with Ulysses and Aeneas. Maybe we can connect. I know it's a dream now, but maybe with the inspiring ideas of Lyndon LaRouche, I really realize that it is not impossible.

So let me close with a discussion of bridges. In Chinese, bridge is pronounced "qiáo." Ciao, the Italian greeting, which sounds like the Chinese for bridge, is universal, like pizza and spaghetti, like *arrivederci*. [laughter]

I once saved a bridge, when UNESCO didn't want the bridge. I solved the impasse, by getting people to look at the historic peninsula of Istanbul—Constantinople in Byzantium—and to really consider interacting with this whole historical tradition. You have to live these things! When I was an architect, I was at the Galata Bridge in Istanbul, and I said, give me a point and I will do the impossible. This is my dream that I would like to share with you. Thank you so much.

Developing Relations Between Greece and China, and the Belt & Road

by Leonidas Chrysanthopoulos, Ambassador A.H.

Leonidas Chrysanthopoulos served Greece as a career diplomat, was Ambassador to several nations, and was the Secretary General of the Organization of the Black Sea Economic Cooperation Organization. We present here his edited remarks as prepared for presentation on Nov. 16, 2019 at the Schiller Institute Conference, "The Future of Humanity as a Creative Species in the Universe" in Bad Soden, Germany.



EIRNS/Chris Lewis

Leonidas Chrysanthopoulos

This is our first annual conference without Lyndon LaRouche. He is missed, but his spirit is with us. Of all his many and inspiring writings, I was most impressed by his knowledge of Classical Ancient Greek thought, philosophy and tragedy, and his effort to use those as a basis of solving the current problems of humanity.

Prometheus, Europe, and Lyndon LaRouche

Allow me to quote him on his "Three Views of Prometheus" from the article, "Prometheus and Europe," published in 1999:

The various, reasonably well-informed, but conflicting appreciations of the Classical Greek image of the figure Prometheus, may be assorted among three moral classifications. This leads us toward a still more profound conception, one of great importance for understanding the crisis of extended European civilization worldwide, today....

The first of the three contrasted views of Prometheus is a morally repulsive one.... It is fairly summed up as judging Prometheus as, either guilty of the crime of hubris against all the pagan gods, or, as a tragic figure fallen victim to his own error of tactical indiscretion, of breaking the "club rules" of the oligarchical game.

The second view of Prometheus ... is the view of Prometheus as, perhaps a tragic figure shaking his angry fist, expressing thus a supposedly noble spirit of revolt, by the oppressed against the bad gods....

The third view, which is introduced by Aeschylus's *Prometheus Bound*, defines the tyrant Zeus, not the hero Prometheus as the tragic figure of the drama. Zeus is that tyrant and crooked judge whose beastly defiance of the immortal Prometheus brought doom, upon not only Zeus, but all of the gods of

Olympus....

Lacking the two lost parts of the trilogy, we must place greater responsibility, upon other evidence, in our searches into the meaning of the continuing deep relationship between the Prometheus image and the political history of European Civilization.

Such was the wisdom of Lyndon LaRouche.

We also remain indebted to Lyndon for his positive statements on the Greek debt that gave courage to the people of my country as I had told him in our conversations.

Greece's Current Economic Situation

The Maritime Silk Road connecting China with Europe also involves Greece. However, before going into the details of Greek involvement, the current economic situation of that country should be examined. Greece, after ten years of austerity measures imposed by the EU and its international lenders, continues to remain in a situation of economic catastrophe, despite positive noise and numbers coming from the EU about growth rates etc.

The essence is that these positive numbers have not

become reality, have not reached the people, while Greece has lost its sovereignty and its economic policy will be made in Brussels for the next 100 years. Public debt as percentage of GDP has increased from 124% in 2010 to 185% and continues growing. Pensions were never increased after they were decreased by 60% and the health system remains collapsed while over-taxation prevails. Death rates continue to augment. In 2013 they were 70.830, in 2017 they reached 124.000, while the suicide rate has increased by 45%. There is no end in sight to resolve the crisis for the people of Greece that has been imposed by erroneous policies of the EU and the IMF.

Greece is under the economic occupation of Germany and the EU, while at the same time it has recently signed a framework of agreements with the USA, the most important being the updated Mutual Defense Cooperation Agreement which was signed in Athens last month. It will enable the two countries to expand bilateral military activities at Larissa, Stefanovikio, Alexandroupolis and sustain increased activity at Naval Support Activity Souda Bay in Crete.

This agreement is not very popular with the Greek people who cannot see who the enemy is. For the United States this agreement makes Greece another U.S. military base, allowing it to better control the East Mediterranean and the Middle East.

Greece Upgrades Relations with Russia, China

In order to differentiate its foreign policy from German and U.S. policies, Greece decided to improve relations with Russia with the official visit of the Greek Foreign Minister to Moscow on November 6. Relations between the two countries were at their lowest ever in the summer of last year when diplomats in Athens and Moscow were expelled. Greece expelled first, the reason being that Moscow was providing funds to Greek organizations that were against the bilateral agree-



The European Central Bank in Frankfurt am Main, Germany.

ment between Athens and Skopje, a reason that was deemed by many as ridiculous. The visit had positive results, relations improved, and a consultation protocol was signed for the period 2020-2022. Greece will also try to improve relations between Russia and the EU.

Enhancing relations with China was part of Greece's foreign policy from 2005, even before the economic collapse. In November 2008 talks between Greece and China resulted in a contract between COSCO and the Piraeus Port Authority (PPA) that gave the former 35 years as oper-

ators of two piers in the port. In 2016 the Greek Government sold 51% of its shares in PPA to COSCO, thus making the Chinese Company the owner and operator of all three piers of the container terminal, but also of the ferry port, the cruise ship port, the car terminal and the ship repair facilities.

COSCO succeeded in increasing the annual container turnover from 685.000 in 2010, to 5 million Twenty-Foot Equivalent Units (TEUs) last year. The



Greece's orientation toward China's new paradigm can be seen in its partnership in the development of Piraeus Port. Here, in January 2015, Chinese COSCO officials celebrate expansion of a pier at the Port, with former Prime Minister Antonis Samaras (second from left).

activities of COSCO in Piraeus constitute the most important activity to date of China's One Belt, One Road approach in Europe.

In March 2017, Greece was given prospective membership to the Asian Infrastructure Investment Bank and became a full non-regional member this August. The bank addresses infrastructure needs in Asia. In April of this year Greece joined the cooperation initiative between China and the Central and Eastern European Countries. This is an initiative founded in 2012 in Budapest aiming to push for cooperation between the 17+1 countries and to promote the Belt and Road Initiative. Eighteen Members of the EU are participating.

The European Commission and other hard-core countries of the EU are not looking favorably at this

lopsided deals that benefit Beijing and leave its clients mired in debt.

Greece Joins New Silk Road in MOU with China

Unaffected by U.S. pressure, Greece proceeded to safeguard its national interests and increase investment opportunities. The Prime Minister of Greece, Kyriakos Mitsotakis, attended the China International Import Exposition in Shanghai at the beginning of this month which was immediately followed by the state visit of the Chinese President Xi Jinping to Greece. The visit was very successful. Sixteen agreements were signed and a Memorandum of Understanding (MOU) was issued which in its paragraph 9 stated:



The Chinese company COSCO is upgrading Piraeus into the largest port in the Mediterranean region.

The two sides will implement the MOU on Cooperation within the framework of the Silk Road Economic Belt and 21st Century Maritime Silk Road Initiative, through cooperation projects such as the port of Piraeus and implementing the 2020-2022 cooperation plans in key areas. . . .

The two sides will strengthen customs cooperation on trade facilitation and security, both bilaterally and in the framework of the China-Europe Land-Sea Express Line.

initiative, neither at the Chinese influence in Greece. This also demonstrates the uncoordinated policies of the EU. It should be reminded here that during the negotiations of the first half of 2015 between Greece and the Troika, to solve the debt crisis of Greece, Berlin intervened and prevented Beijing from buying Greek T-Bills of 1.4 billion euros, which might have solved many issues. In 2017, at the UN, Greece vetoed an EU condemnation of China's human rights record.

The U.S. is also not favorable toward the closer relations of Greece with China. During his October visit to Athens, Secretary of State Mike Pompeo said: "... I raised our concern about Chinese investments in technology and infrastructure," and criticized China for allegedly using economic means to coerce countries into

In various statements, the Chinese President underlined the fact that China and Greece see each other as natural allies in developing the Belt Road.

China is also participating in the Greek initiative of the "Forum of Ancient Civilizations" that was inaugurated in Athens in April 2017 to promote knowledge of the ancient cultures of the Belt and Road civilizations.

In conclusion, the implementation and follow-up of the agreements signed between the two sides will determine the amount of investments that will reach Greece and its people; and if Piraeus can move from 5th in Europe in container movements to become the biggest port in Europe. Nevertheless, Greece's important role in developing the Belt and Road is guaranteed.

Pragmatism Against Ideology

by Col. Alain Corvez, ret.

Col. Corvez is an international strategy consultant and former Counsellor for the French Defense and Interior Ministries. We present here his edited remarks as prepared for presentation on Nov. 16, 2019 at the Schiller Institute Conference, "The Future of Humanity as a Creative Species in the Universe" in Bad Soden, Germany.



EIRNS/Chris Lewis

Alain Corvez

Introduction

What used to be called the “equilibrium of terror,” during the times of the confrontation between the two antagonistic ideologies of total laissez-faire capitalism, supported by the USA on the one side, and of communist collectivism, supported by the USSR on the other, collapsed with the dissolution of one of the protagonists of this instable equilibrium, which had dictated that the two imperialisms could not confront each other directly, due to the fear of the mutual destruction that the atomic bomb would inevitably provoke. The capitalist ideology, just as materialist and imperialist as its communist adversary, i.e., deprived of any sentiment of spirituality or transcendence, or even of basic humanism, believed itself to have been designated to a universal destiny that the United States, “an indispensable nation, a new Jerusalem or a new Rome,” had to accomplish for the good of humanity.

That mission became a brutal imperialism, destroying the world by wars, all supposedly based on great principles, and essentially taking place in the “complicated” East where millions of lives and patrimonies were destroyed.

This imperialism increasingly encountered a fierce resistance, which was increasingly efficient, and which thus brought the new President of the United States to the logical conclusion that it was henceforth, in the interest of the USA, to put an end to these endless wars.

However, his businessman-type pragmatism has run up against the ideology of the “American Deep State” that has no intention of giving up the supremacy of the

American dollar and of U.S. norms, a refusal resulting in its desperate and destructive attempts, all in bad faith, to impeach the President of the USA for collusion with Russia, and now for what he supposedly did in Ukraine.

Let us hope that these desperate attempts, which subject the first world power to ridicule, will not become more radical, for the sake of humanity and the United States, whose governance is exhibiting catastrophic disorders that impact the world at large, aghast at the incoherence of the American executive.

Hence, the realism of the emerging or reemerging powers of Russia, China, India, Pakistan, Africa, and Latin America, is taking the lead. They defend their interests and regroup in political, economic, and even strategic organizations such as the BRICS (Brazil, Russia, India, China, and South Africa) or the SCO (Shanghai Cooperation Organization), obliging the world to abandon pure ideology and return to the pragmatism of Westphalian nations opposed to the Empires, and defending their pragmatic interests while understanding and respecting those of the others.

It would be wise for Europe to take inspiration from this realism and to abandon a suffocating and paralyzing ideology that makes it impotent and incapable of playing a role in any major crisis and even of defending its own interests. Europe’s incapacity to counter the United States in Iran is a sad example of that, and its submission inside NATO to U.S. norms and command are another one.

Donald Trump, the Anti-Ideologue

Donald Trump’s recent speech at the UN General Assembly is highly significant in this respect, because he defended the various national forms of patriotism and defense of sovereignty heard around the globe, adding that the future belonged to them. Such a statement in favor of patriotism in the world got close to no

coverage in the French media under the control of a financial oligarchy opposing these views. However, it indicates that Donald Trump understood the message voiced by the “Yellow Vests” and others acting along the same lines elsewhere, notably those who elected him. As such, his intervention was crucial.

The Syrian Example

Syrian President Bashar al-Assad wasn’t wrong when he made a brilliant presentation on geopolitics to an international delegation of trade unionists that came to Syria to express their support for Syrian workers on September 10.

The Syrian crisis, he said, assembles all the elements of a world resistance of free and sovereign peoples against the imperialism of a world finance lead by Wall Street, the City of London, and against a Europe which has no way to emancipate itself of this tutorship without a full reset of its fundamentals. As an example, Bashar mentioned French President Macron, who was put in power by this oligarchy and did away with the traditional parties, and can only oppose that oligarchy in words while eventually understanding that those forces who put him in power, are on the verge of ruin.

The popular outcry all over the world are the people’s revolt against the financial oligarchy which is squeezing the lower and middle classes in Europe; for example, the Yellow Vests in France and other such people elsewhere around the planet—most recently in Lebanon.

The workers of all countries are the blood of the nations and, in Syria, despite the war, said Bashar, the social services were maintained and the workers participate in the political deliberations and the management of their activities.

The world map shows the war between financial wealth in the hands of only a tiny minority getting more and more rich, and a vast majority of dispossessed. U.S. military bases are spread over the planet to defend the domination of the dollar, against which nations as Russia and China arise. There is a connection between the conflicts in Syria and in the South China Sea, as Beijing is fully aware.

The Chinese Silk Road Project

It is with the perspective to end the conflicts arising from opposite interests, and therefore to end the wars, that the Chinese New Silk Road initiative, also called “One (terrestrial) Belt, One (maritime) Road” (OBOR) is operating.

The aim is to build land and sea infrastructures es-

tablishing synergies between the patchy capacities of nations, in natural resources and financial means, by signing agreements where each country will recognize its own interest—a “win-win” solution—each country getting a return proportional to the investment it makes. And, this in all domains of human activity, notably in the area of scientific research, which should allow humanity to develop the indispensable technologies required by human development, on Earth, on the oceans and in space.

Lyndon LaRouche, the Precursor

His humanist and inventive spirit brought the American Lyndon LaRouche to propose in 1975 a project called “The Oasis Plan,” a plan to manage and develop the water resources of the Middle East to the great benefit of Egypt, as well as Jordan and Syria, Lebanon, Palestine and Israel; proposing that the latter two, united harmoniously by their geographical proximity, mobilize the hydro-resources of the region for great water management projects in the area, such as connecting the Dead Sea with the Red Sea and the Mediterranean, and by creating entirely new resources by the construction of nuclear desalination plants to be installed on both sides, and whose fresh water production was to be shared among all parties. This project, which would have been at the benefit of the entire region and uproot one of the causes of conflict, has been denigrated and finally refused by the forces opposing peace, both in the United States and Israel.

Realism Against Ideology

As General de Gaulle said in 1966, in his address at the University of Mexico, unless the world destroys itself in a frightful nuclear holocaust, the future of the world lay there, where man is the final cause to defend, and therefore the cooperation among nations and the aid of the strongest for the weakest:

Indeed, beyond the distances that are shrinking, beyond the ideologies that are weakening, and the political systems that are losing steam, and unless humanity destroys itself some day in a monstrous self-destruction, the fact that will dominate the future is the unity of our universe; One cause, that of man; one necessity, that of world progress, and consequently of assistance to all those countries that desire it in order to develop; one duty, that of peace; these constitute the very basis of existence for our species.

The Fundamental Scientific Issues of the Future and the New Space Silk Road

Can Europe Play a Key Role in Science?

by Jacques Cheminade

Jacques Cheminade is the founder of the French political party, Solidarité et Progrès (Solidarity and Progress) and was twice a candidate for the French presidency. We present here his edited remarks as prepared for presentation on Nov. 16, 2019 at the Schiller Institute Conference, “The Future of Humanity as a Creative Species in the Universe,” in Bad Soden, Germany.



EIRNS/Johanna Clarc

Jacques Cheminade

To answer such a question is quite a challenge, and should be one for all of us. It demands a heightened consciousness and lucidity, because the winds of policy-shaping have been blowing in the wrong direction for too long. The European Union has betrayed the idea of Europe, stifling its historical impulse for creativity. European citizens have been deprived of the possibility of experiencing valid creative discoveries, which represent the most satisfying, exciting and human joy. European citizens have been, by the same impulse, blocked from acting for the “advantage of the other,” which is the founding principle of European nation-states, embedded in the 1648 Treaty of Westphalia.

We have indulged in selfishness; we have been infantilized by the greed of the markets and by the hypnotic images of the media. Compared to what is happening in the outside world—the “win-win” concept of the New Silk Roads—the ongoing insurrection of many peoples against their exploitation, their exclusion and their failed leaders—we are here in the “Valley of the Clueless,” not having today the excuse of a military occupation, like East Germany had before the fall of the Berlin Wall. The Western wall is crumbling, and our so-called leaders are blind and in turn, blinding most of us.

My commitment is therefore to use this speech to

take us on a journey outside that “Valley of the Clueless,” run by a mutant form of the British Empire, and into the future where our mandate is to build beyond. The historic enemy of the British Empire, Lyndon LaRouche, will lawfully be our guide in that scientific challenge to recover Europe, so that it can play a role in science again.

In its present shape, under the European Central Bank of Christine Lagarde and her controllers of the City of London, my answer to that the capacity of Europe is as negative as the interest rates Lagarde is committed to enforce. Nonetheless,

inspired by the optimism of Lyndon LaRouche, it is clear that we can bring to the world what it demands from us, provided we change our minds and open our eyes. Not only for our own sake, but because the peoples of the world need us, to join with Russia, China, and the United States, to create the common future.

We have to throw our delusions of “an independent Europe against all,” down the river—the colonial delusion to divide and conquer; and bring instead the best of our culture as a catalyst for the world to come. The ongoing insurrection of the of peoples in the world, calls for justice and mutual development but, as Rosa Luxemburg said in her times, it is a “mass strike ferment”—which, by itself, cannot develop a vision and an articulated project for the future. They need those among us who can help them to show the way and lead the march.

It is for this reason that the question of science is so important. The true scientist is in coherence with the impulse of a mass strike ferment which is searching for something that goes beyond the prevailing “rules of the game”; the true scientist explores the unknown, makes discoveries and inspires people beyond the existing

logics. Our challenge is to bring our minds into the minds of those who have such a capacity to create, in order to shape the social environment necessary to win over our enemies. If we leave the control of culture to our enemies, we are doomed to fail. That's why we Europeans have to define a new manifold for our nations, freeing ourselves from our "willing servitude" to the oligarchy that controls our habits.

It is a very concrete question: we have to stop being pragmatic. To do that, we have to first understand what true science, true creativity is. This is the "Purloined Letter" of Europe: the letter is in the middle of the room, it is the historical contribution of our scientists, but we don't manage to see it. We have become as stupid as the proverbial Parisian cops of the story of Edgar Allan Poe.

What is taught at school and in our universities or even at the French High-Level Education schools may be useful to behave in a pre-defined world: but it is fake science. When I was in my early thirties, I had a very strong doubt concerning the quality of what I was fed in those schools and LaRouche challenged my mind with his ideas, and confirmed those doubts. To play a role in science, one must first understand what science is! Sometimes, as a Muslim hadith says, we have to look for it as far away as in China.

Let's begin our journey at this starting point. Sebastien Drochon, Megan Beets and Jason Ross will accompany us later through our journey. Science is not statistics, reflecting past trends—it is creativity to master the future. The laws of the universe are not embedded within the domain of sense perceptions as such, but lie within man's ability to change human behavior to such effect that man's per capita power over the universe willfully increases.

Art and Science Are One

As Lyndon LaRouche wrote:

The key to the relative uniqueness of my own discoveries, is my shifting the investigation of the way in which the individual human mind generates experimentally validatable discoveries of physical principle: the rejection of the parochial view of "physical science," as customarily defined during the Twentieth Century, and, employing for physical science, instead, the standpoint of metaphor in Classical art forms of poetry, drama, musical polyphony and the plastic arts. . . ."

An intuitive understanding of this statement can be

guessed by a profound look at Leonardo da Vinci's paintings and into his notebooks, where elements of music, of drawings and discoveries of principle, including the principle of a functioning steam engine, appear in the same pages!

Giorgio Vasari also reports that Leonardo had invited musicians and singers to come while he was painting the *Mona Lisa*, in order to concentrate the mind in the domain of creation. And in one of Leonardo's many quotes comparing the different arts, later presented as his *Treatise on Painting*, where he notes the "contentment" that musical harmony produces in the ear, he adds the following for painting:

Much more will be produced in painting, by the proportioned beauty of an angelic face; a "concertante" harmony results of its proportions, which speaks to the eye at the same time that music speaks to the ear. And if such a harmony of beauty is shown to him who loves the one who served as a model, he will remain in stunned admiration, and incomparable and superior joy, to that of all the other senses.

In a different passage, you see how da Vinci, inspired by his discoveries of physical principles, uses them as aesthetical elements in his paintings. His studies of fluid dynamics (water, air) lead him to discover how pressure created by a water or an air current on an obstacle in its passage, leads to the creation of turbulences/vortices. See **Figures 1, 2, 3, and 4**, all of which show these vortices. Turbulences or vortices—which he uses later explicitly to depict the beautiful hair of a young lady, as he describes it himself: "Observe the motion of a water surface, how it resembles hair which has two motions, one comes from the weight of hair, the other from the curves of the curls. Thus, water has curly vortices."

FIGURE 1



Pression

Dépression

Metaphor, in this true sense, is not just a figure of speech counter-posing two words of different domains but, much more, the predominant practice by which we select “appropriate names for preconscious notions brought into the domain of consciousness.” This is not part of the politically-correct opinion of science that prevails since at least fifty years. For such a politically-correct view, science is based on logics: on induction and deduction. According to induction: If something happens many times, it will happen all the time and can therefore be considered a law. Leibniz, on the contrary, called this “consecutive thinking,” the level of thinking of a

poor dog beaten many times who, as soon as he sees a stick, runs away in fear, or of the proverbial speculator who jumps out of a 50-floor skyscraper and considers that if nothing happened to him during his fall through the first forty-nine floors, he will be safe until the end.

Deduction, on the other hand, is defined by the capacity of deducing all the properties starting from a given concept. However, deduction can never forecast a transformation of that concept. For example, Aristotle defined the economy from the standpoint of a given set of families and slaves, and their given modes of production, and deduced that in a world of limited resources growth had to be limited and population growth controlled, including by friendly relations among individuals of the same sex. The other name of deduction is indeed Malthusianism.

LaRouche’s life was an unstoppable offensive against this culture of death. He relentlessly proclaimed that the cognitive functions within which discoveries of physical principles are generated, are to be assimilated also to economic practice and to increases in the per-capita, physical powers of labor.

In his 1997 work, “Science is not ‘Statistics,’” LaRouche wrote:

This subject, the relationship between those distinctive, *cognitive* powers of the human individual’s mind, and the increase of the relative population-density of the human species, is the

FIGURE 2



FIGURE 3



FIGURE 4



foundation of all my professional accomplishments over more than four decades to the present date.

This defense of what is human in a human individual is what inspired LaRouche’s fight against Bertrand Russell and his intellectual disciples: Norbert Wiener, “the inventor of the information theory,” and John von

Neumann; and, paradoxically to prejudiced minds, his fight against both the “liberal” von Hayek and the “Marxist” Karl Marx, in the name of Plato, Leibniz, J.F. Herbart, and Carl Gauss, more than often with the polemical method of François Rabelais. The capacity to laugh at evil absurdities or mistakes of composition is unique to mankind.

Let’s listen to LaRouche making fun at Wiener:

The starting point of my attack on Wiener’s “information theory” hoax, was inevitably the nature of the distinction between processes whose underlying order is overall entropic, as distinct from, for example, the species of living processes, which are anti-entropic in their typical, underlying distinctions in ordering . . .

What LaRouche is rightfully stating is that such a celebrated personality as Wiener mistakes living for non-living processes!

The Mission for Europe

Europe, to come back to our subject-matter, can only have a role to play in science if it recognizes that science is the means to fight *against* entropy, fostering gains in the productive power of human labor, leading to increases in potential relative population density. It is not putting things together in a given, nice order. LaRouche again states:

This notion of contrast of entropy to anti-entropy lies outside what the ordinary university graduate considers mathematics. It lies within a higher, “meta-mathematical domain,” which Leibniz defined as *Analysis situs*. . . .

Thus, in this light, science becomes the matter of organizing the mental and related activities of groups of scientists and others, around a task-oriented process—a mission—of perpetuating scientific progress, in this sense, as a series of successively more powerful hypotheses, represents such progress.

Negentropy, later called by LaRouche “anti-entropy” and dubbed “dynatropy,” is a type of ordering that can never be defined in terms of statistical functions or any other deductive mode of argument. An entropic universe would be doomed to death and, on the contrary, physical science is focused upon the nature of the ordering of successively more powerful hypothesis.

This is our mission and our task, here and now. We invite, we urge, all of you to join, for the safety of Europe and for all the good that Europe can and should bring to the world. Let me define now how I see this enterprise, the walk *out* of the Valley of the Clueless.

First, we have to create appetite for change in ourselves and our fellow citizens. Europe is an old sleeping lady who needs a scientific kick in the ass, not kisses on the lips, to awake her from her dream of reason. What world do we want? Do we want to continue to fall into the deadly comfort of a green pessimism, leading to a deep green chaos sponsored by oligarchic mentors? Do we want to continue thinking that our sons and grandsons will have a worse life than us, or die in brutal destruction? Only 3% of the French think presently that their lives are going to be much better! Or, are we going to take our true, non-mathematical, anti-entropic, history of science seriously and decide to revive it again?

For that, we have to define what infrastructure, industry, agriculture and agro-food industry we need, by thinking what the future generations and our general welfare need. We have to think with the eyes of the future and not with the blind eye of the money that we own or can issue. To bet on a real economic future, means we must issue credit for advanced scientific discoveries and related economic development. This credit must generate higher productive capacities, and an open-ended cycle of creative discoveries of principle, technology, infrastructure, innovations and education of the productive powers of labor for the benefit of all.

New Hypotheses

We have to start from the top down, with new economic and social hypotheses, like when a scientist challenges the axioms and postulates of a given state of things in order to jump ahead for a better conjecture. Of course, the European Central Bank, the European Investment Bank, the European Bank for Reconstruction and Development and the whole euro system are in the enemy camp. The Environmental Funders Network and the European Climate Foundation promote the idea that you cannot have indefinite growth in a world of limited resources, following the criminal rules of the game of the 21st-century associates of the British Empire. Excluding the potential of human creativity which they fear, their choice is depopulation. No delusion! None of them are good because they are all committed to various shades of entropy. They doom themselves to be criminals. We have to get rid of them by returning to our

sources of scientific creation, in order to mobilize our creative powers and to inspire others.

Our project for Europe is that it must play a role in science.

We have to think beyond the fake Europe, this European Union which must be dissolved, and go for reinforced modes of cooperation among our nations for a mutual development. The choice is not, however, to go back to the roots of a geopolitical “sovereignty” like that of the British-dominated World Wars system; nor to fly forward towards the science fiction of a European or a world sovereignty, which are traps for human slaughter, but rather, in favor of a “win-win” community of nations, committed to the common aims of mankind.

The One Belt, One Road initiative of China provides us with a tremendous opportunity to seize, on condition that we focus on the long run. Our cooperation goes from the level of aerospace, space, nuclear fission and fusion, AI (Artificial Intelligence) “disruptive” technologies, IoT (Internet of Things), supercomputers, to smart cities, environment and medicine for the elderly and against epidemics. In the future, we should seek cooperation with Chinese enterprises to drive a common, global technological development.

We have another tremendous opportunity in this conjuncture where Trump and the American population want to stop the murderous military adventures of the “responsibility to protect” policies of the military-industrial complex. Trump recently denounced it publicly, by name, even if we should rather call it the military-financial atrocity of the British Empire.

An Optimistic Future Awaits

We are now engaged, in our European organization, in putting together a coherent project embodying what we think and say. Our Schiller international organizing is proceeding in the same way, from Australia to the Americas. We need creative, inclusive and connective developments, with a coherent approach:

1. Energy: Nuclear energy has to be our common objective, both in terms of building nuclear reactors of the new generations and developing nuclear research reactors. France remains an example for all, even though we have mothballed this August our fast neutron reactor (FNR) project, ASTRID, and that our Megajoule testing device for laser fusion (LMJ), the most advanced in the world with Lawrence Livermore, where we just had a breakthrough, is used for military purposes more than 75% of the time. ITER also represents a bid for the future, bringing together the European Union, China,

India, Japan, Korea, Russia and the United States.

We also have yet to develop thorium molten salt reactors (MSR). Germany has fortunately kept most of its research reactors, but is shutting down its reactors for electricity production, like Italy and Switzerland. We need therefore a new Euratom intelligent initiative. We have among the best scientists and experts of the world in this area, which should be organized as a scientific task force.

2. Space: The European Space Agency (ESA) has, in cooperation with Roscosmos, a program for landing a rover on Mars: ExoMars 2020. ESA is the proof that an association of European states, in this case with the Russian Roscosmos, can function in the best of all possible ways, based on physical projects, and not as a financial moneybag such as the European Union and European Central Bank. The European and Western astronauts, together with the Russians, founded, in 1985, in the middle of the Cold War, the Association of Space Explorers, to promote space exploration but also space science and engineering. Humans working in a creative environment and facing the unknown tend to become brothers because their humanity is enhanced by their common commitment and work. Europe, through the space program, can recover herself and gain a role to play in science.

3. Transportation: The concept is to irrigate all Europe, from the Atlantic to the Urals, with a combination of canals for transporting bulk commodities, trains for all types of goods, trucks for delivery systems around nodal points and air transportation for emergency delivery of high value parts. A priority must be given to the rail transportation in Eastern Europe, which has to be urgently improved.

4. Construction: All that is required for transportation and housing for our future development should be evaluated, both in terms of goods and manpower.

Creativity, a Mission for All People

The concept is to integrate the European, Eurasian, and Silk Road networks North/South and East/West, connected at their different sides with the Mediterranean, the Atlantic and the Pacific. Cooperation of European nations for the common development of Africa is the priority.

It is in that environment, and enhanced by a sense of mission, where Europeans play a role in science. The most important point is still to be made: a true scientific education requires that the educated person is made “conscious” of her or his preconscious creative processes of memory and insight. LaRouche stresses that

the generation of an experimentally testable new principle (i.e., a discovery of principle) occurs behind the opaque screen of the sovereignty of the individual's cognitive processes and is not representable in any system of communication. If it is thus, how can it be taught? How can this domain be explored? Is there a formal method by which to tackle the ontological paradoxes at the root of scientific discoveries? Of course, but not in learning in a text-book fashion.

The solution is to replicate the discovery within one's own mind and for that purpose, to create in the mind an affinity with artistic ideas, and especially with musical ideas which are of the same metaphorical origin as the scientific principle itself. *Science is metaphor*, Lyndon LaRouche tells us. This is why Einstein was playing violin and Leonardo had such a great interest in artistic composition. The capacity to discover and assimilate new physical principles is nourished by an exploration of the pre-conscious domain of the artistic creation.

That's why the dominant deductive methods of "learning," and of "repeat after me" an already discovered formula, are so destructive. But still more destructive fundamentally and extremely difficult to remedy, are the flaws produced in the human mind, by the separation of the domains of science and art. It is therefore the very foundations of our educational system that

needs to be changed, in order to free our minds to be able to play a role in science. We Europeans, have references: the concepts of education developed at the Renaissance, the Gaspard Monge and Lazare Carnot system of brigades at the École Polytechnique, before the rule of Napoleon, where learning of musical composition, singing and painting, completed the education received by students at what was at that time, the most advanced and powerful center of scientific and engineering work of all times. The Humboldt tradition in the German education system, is another key point of reference.

We are here, in Europe, in a space which remains the same size (and even shrinks), but which is occupied by more and more people who have more and more filth in their minds, and where the exit doors are narrowing. It should come as no surprise if the criminal ideologues of depopulation and apostles of "collapsology" can introduce their ideas in such a polluted environment.

I feel sometimes like Poe's character in *The Pit and the Pendulum*. Like him, we have an opportunity to seize this moment of history, provided that we unleash creativity in our minds and share it with the peoples that demand a better, human life. That is the dimension of our challenge: to deliver Europe so that she recovers her role to play in science. Will she? The answer is within each of us.

The Moon Village—Next Step Toward a New Era for Mankind

by Sébastien Drochon

Sébastien Drochon is Space Policy Director for the French Schiller Institute. We present here his edited remarks as prepared for presentation on Nov. 16, 2019 at the Schiller Institute Conference, "The Future of Humanity as a Creative Species in the Universe" in Bad Soden, Germany.

Why the Moon Village?

It's really funny when we realize that the beautiful old Chinese concept of *tianxia*, which means, literally, "everything located *under* the sky," and which foreshadows the necessary existence of a harmonious unity between all the distinct and sometimes opposite entities evolving "*under* the sky," on Earth,—this *tianxia*, then, will only become possible by pushing humanity *above*



Sébastien Drochon

EIRNS/Johanna Clarc

the sky, through an ambitious international space program that will unify all the nations toward a common goal.

Maybe it's because the sky has considerably expanded since. We now know that our universe contains more than 2 trillion galaxies, each of them having at least hundreds of billions of stars. So far, we have discovered more than 4,000 exoplanets in our own galaxy, and we are pretty sure that there could be as many as there are stars.

So, our universe is showing us new worlds. New, fascinating future discoveries await us, provided we mobilize our resources to achieve them.

The Chinese lunar program is going forward with great success and has awakened the USA, which just decided to go back to the Moon with the Artemis program. Other nations such as Japan, India, Russia, and the nations of the European Space Agency are now aiming at the Moon for their future missions.

The Moon Village

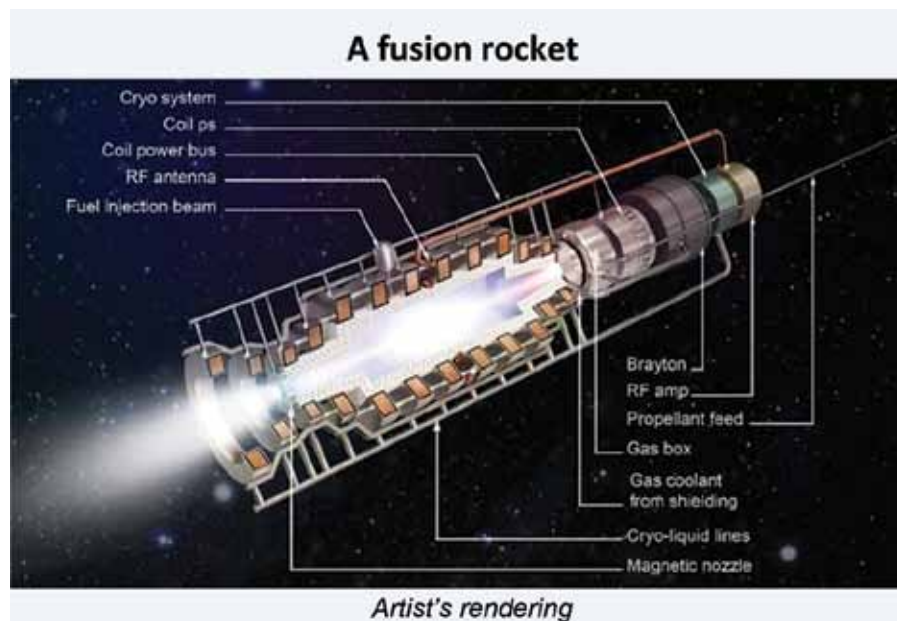
In Europe, the head of the European Space Agency, Jan Wörner, declared in October 2015 that he wanted to build a permanent human or robotic base on the Moon with the help of international cooperation. That's where the concept of the Moon Village came from.

If we think about the Moon Village as a long-term objective and as a unified concept aiming at bringing all nations together, with the support of private industries and laboratories, all seeking to globally harmonize existing resources and achieve longer-term goals of industrialization and scientific researches on the Moon—and provided we definitively stop all kinds of austerity regarding those projects—we can be sure that we'll succeed in creating a new Renaissance based on sharing scientific and technological progress for all, on Earth and beyond.

Thermonuclear Power and Propulsion a Necessity

What do we need to make it happen?

Now, this new paradigm of a permanent human settlement on the Moon and, much later, on Mars, will be possible if we succeed in mastering thermonuclear



fusion energy.

Why is it so crucial for a durable settlement of the human species on the Moon and beyond? Because that's the technology that will give us the biggest increase of energy-flux density in all the processes implied in space exploration, both in rocket propulsion and in energy production. Thermonuclear fusion will enable us to produce clean and abundant power.

That has always been key in every space mission. In space, each moved kilogram of material, or each minute spent to maintain human life in space, necessitates much more energy and power than we would need on Earth for the same purpose.

Take Mars for example. It takes almost 6 to 9 months to get there by the classical mode of propulsion. And for somebody who would like to do a back and forth, it would mean at least a two-year trip in a space environment that we know would be deadly for any human being.

With fusion technology introduced into our space modes of propulsion, we theoretically would have new rockets that would contain the equivalent of millions of classical chemistry propulsion rockets. That gives you an idea of what "density" means. We could use this huge amount of power not in one shot but gradually, in order to get constant acceleration and reach speeds that we couldn't reach otherwise. With that kind of rocket, we could go to Mars with a constant acceleration and deceleration of one Earth gravity [1g] in a few days.

In the United States, the Satellite Systems division of the Princeton Plasma Physics Laboratory has been

working for several years on a Direct Fusion Drive (DFD) engine. Such a reactor would produce a substantial boost by ejection of particles resulting from a fusion reaction. Although NASA showed some interest in this research, its lack of funding has slowed down the potential advances in this promising sector.

Some will shout at me and say, “That’s impossible! All you’re talking about is nothing but a utopia. What you say will never happen! That’s money thrown out the window!”

Well, first of all, it wouldn’t make any sense if, once mastered, fusion technology were to be used only on space activity. The reason why we go there and take on the challenge to live there, is to give humanity back on Earth the means to definitely get rid of poverty and diseases, to end wars and to solve all the environmental problems. The purpose is to giving each human being enough power to develop, live worthily, and be able to exert his creativity for the common good.

The purpose of going into space is not to flee the problems on Earth, but to deal with them. We do not go there “because it’s easy, but because it’s hard,” and it’s the difficulty of getting there that drives us to go beyond.

Secondly, those who always say that fusion will always be unreachable are certainly not aware of the existence of several studies done in the USA, dating back to the 1970s, that showed that controlled thermonuclear fusion was quite achievable in fifteen or thirty years, provided we allocate enough investments for that. However, since these studies were published, investments in this field have always been below the level required to obtain complete control of the technology.

So yes, with the current level of funding, we’ll never get it. This is why we need a crash program on a far grander scale than our current programs. This is essential to get this technology under control as quickly as possible.

Fusion Breakthrough in Bordeaux

Nevertheless, we can be optimistic. As a French citizen, I am pleased to announce that a new breakthrough in this area has just been achieved by the Commissariat for Atomic Energy using the Laser Mégajoule (LMJ) in Bordeaux, France. Here, fusion has been produced, not by magnetic confinement in those big donuts we call tokamaks, but by inertial confinement, using powerful lasers to heat and compress a mixture of fusion fuels contained in a microcapsule for the purpose of inducing nuclear fusion reactions.

According to an internal document of the Atomic Energy Commissariat, a very successful demonstration

took place on October 11, when the organized light beams of 48 giant lasers imploded a micro-balloon of fusion fuel, causing a fusion reaction manifested by producing 100 billion neutrons. Targeting, measuring, etc., everything went as planned and calculated.

The Extraterrestrial Imperative

Now, I would like you to think about what it means to have a fusion reaction of that kind generated on Earth.

For billions of years the Sun has continuously produced fusion reactions. That’s the way it’s burning its own internal fuel. But now, somewhere in the Solar system, on Earth, the universe produced controlled thermonuclear fusion through a creatively willing creature called a human being. You have to understand. It’s not just a question of energy here. What we have done, here, is add a new power to the universe. Or, we rather could say that the universe has added a new power to itself, through us, and gave itself a new potential to change.

It gives you a foretaste of the way we should consider the universe and its relationship with human beings. *Our universe is actually creative* because it embedded human creativity into its own processes of change. That’s a beautiful idea that should give us a sense of why space exploration is not just a human caprice but a way to accelerate the rate of creative output the universe is supposed to potentially produce, through human creativity. That’s the proper way to look at space exploration in the future. Each time we decide to go or look further and further into space, the universe pulls humanity toward new knowledge and, consequently, changes the universe as a whole.

Now, it brings us to what is certainly the most important question. What does space exploration really mean for us?

We are all sovereign individuals, all unique in the sense that we all have our own personality and creativity. But our behavior, our sensibility, our thoughts can’t be totally separated from the society we live in. If our society has lost its purpose, its noble goals and has developed bad habits—such as wasting time watching stupid videos on the internet, for example—or has become globally pessimistic about the future of humanity and human nature, then, whatever we do, our mind and our creativity will be affected.

But if we fight to get society, and more broadly, humanity, back to its feet, if mankind sticks to a mission that will permit future generations to always discover the physical principles that allow us to live better, then,

each individual will find a real motivation to leave something beautiful for those future generations and, for that, will exert his or her genuine creativity.

Creativity is not a magic trick that occurs to people arbitrarily. Creativity does not work through irrational outbursts, as most romantics would think it does. Creativity is exerted through a specific type of impassioned emotion. Creativity works its way via the beautiful conviction that you're participating in history for the betterment of all humanity and of future generations, when you have a purpose in life that goes beyond your own life.

And that's the reason space exploration is so important. That's why a mission-oriented society looking at its own future in space is key to building this new paradigm of peaceful development.

On this note, I want to conclude by quoting Lyndon LaRouche. Here's what he says in a [paper](#) he wrote in 1985, "Private Initiative for Colonizing the Moon and Mars":

The essence of science is such passion, such task-orientation. . . . Herein lies not only the passion indispensable to creative-scientific fruitfulness; herein lies the capacity of the layman, as

factory operative, or other, to assimilate scientific progress efficiently, creatively.

It is such so-impassioned "task-orientation," . . . which is the wellspring of great upsurges of scientific creativity, and upsurges of the enlarged capacity of populations for "imparting and receiving profound and impassioned conceptions respecting man and nature."

The "Extraterrestrial Imperative" excites the professional popular view of scientific progress as perhaps no other foreseeable choice of mission-assignment might do this. If we wish the highest rate of productivity in laboratories and in production, these benefits will be supplied as by-products of an impassioned commitment to master all of the tasks of the Moon-Mars mission-assignment.

So, we need a goal. This goal should be this Moon-Mars mission-assignment of which the Moon Village project is a part.

There lies the way through the concept of *tianxia*.

This is the purpose we have to fight for.

Thank you.

LaRouche's Discoveries: Educating a New Generation

by Megan Beets and Jason Ross

Megan Beets and Jason Ross are members of LaRouche's "Basement" Science Team. We present here their edited remarks as prepared for presentation on Nov. 16, 2019 at the Schiller Institute Conference, "The Future of Humanity as a Creative Species in the Universe," in Bad Soden, Germany.

Introduction by Jason Ross

Lyndon LaRouche, who passed away earlier this year, engaged in significant work in many fields, as we have heard and will hear at this conference. In this presentation, Megan Beets and I will treat LaRouche's work in science, with specific focus on a scientific research project in which we both collaborated with him—the "Basement."



EIRNS/Johanna Clarc

Megan Beets and Jason Ross, members of LaRouche's "Basement" Science Team.

We will talk about LaRouche's work in science and science policy, discuss some of the scientific topics he considered most important, address their relevance to

economics, take up how they were used to recruit young people to his outlook, and discuss the relevance of the issues he posed to science today.

LaRouche showed that economic improvement required an increase in what he termed energy flux density—the intensity of energy flow as measured with respect to power production, industrial application, and the economy as a whole. Because of the tremendously higher levels of power involved in nuclear bonds than chemical bonds, the next level of human economy must be based on the power of the atom, and the greatest technology on the horizon for improving the energy flux density of human economy is nuclear fusion.

LaRouche was a tireless champion of research and research funding to make the new scientific discoveries in plasma physics, directed energy, and nuclear science required to achieve this power source of the future. He directed the founding, in 1974, of the Fusion Energy Foundation, whose U.S. magazine *Fusion* reached a subscriber base in the tens of thousands before being shut down through a government bankruptcy process that was itself later declared illegal.

In his work with scientists in the fields of nuclear fusion, plasma physics, and space exploration, LaRouche was adamant on several topics:

- Truth does not come from the senses: it is not determined by modeling observations. It comes from hypothesizing *causes*. Plato is right, in opposition to Aristotle. Kepler's discoveries are a key example.
- The human mind cannot be comprehended either as a purely biological process or as a complex computing system. G.W. Leibniz is right, and Yuval Noah Harari is wrong. Cusa is right, in opposition to Norbert Wiener.
- Quantum physics is not the final word; it is not complete. Einstein is right, in opposition to Heisenberg and Bohr.

The shutdown of *Fusion* magazine, and other LaRouche publications, was part of a process culminating in the fraudulent conviction and imprisonment of LaRouche, in 1989. After his 1994 parole from prison, which was achieved through an outstanding effort involving the signatures of hundreds of elected officials and thousands of community, religious, business and other leaders, and the 1999 conclusion of his parole conditions, LaRouche was free to recruit a new generation of thinkers to his ideas.

This he did by recruiting young people to a process

of political action and of discovery itself, to forge a cadre of competent political leadership among the then-rising generation. As part of this process, he created an educational program that far exceeded what could be achieved in typical university approaches, through a process he termed the “Basement.”

These are the topics of our joint presentation. I'll now turn things over to Megan Beets.

Mind Per Se, by Megan Beets

LaRouche audio clip from December 14, 2011
Weekly Report:

Our functional form, the creative powers of mankind, are completely different! They're not based on what biology teaches us! This has nothing to do with biology the way it's understood! The human brain is *not* the source of human intelligence: It's the human mind! The brain is a tool, used by the human mind!

But we believe in what we see! We believe in what we can touch and see, by our standard. We don't consider the fact that there's a process going on of a much higher order, which is actually the function of the human mind. And the function of the human mind can be defined, precisely. But it can not be defined by the ordinary biological terms of life. Show me human creativity in a biological system, in a human brain system. Creativity, as such, does not exist. No animal has creativity, hmm? They have only biological development.

Only the human being, of all creatures we know, has the voluntary capability of transforming the functional nature of the human being! This change in the functional nature of the human being is located in the concept of mind, *not* the brain! The brain is a tool, used by the mind! It's a necessary tool, used by the mind, but it is not the location of the mind. And it's precisely that problem of failing to distinguish the brain from the mind: The mind is the essential element, the brain is a necessary tool of the mind. Creativity is in the universe, true human creativity is in the universe. It's expressed by the function of the brain, the mind, and so forth, in the individual.

What you just heard Lyn discuss is, in my view, one



EIRNS/Delonte Bess

Lyndon LaRouche meeting with some LaRouche Youth Movement cadre at his home near Round Hill, Virginia on April 11, 2007.

of his most important contributions to science and to human thought, generally: the subject of the human mind, *per se*. This concept is one into which he developed increasing insight over the course of his life, and one on which he placed great importance in his work with the Basement.

The human mind is not produced by the brain. It is not replicable by computer systems, no matter how complex. There is a *function* of the human mind which cannot be accounted for by or located within either of these lower domains.

Lyn was convinced of this very early on, as we see in his 1950s opposition to the views of Norbert Wiener, whose theory of cybernetics claimed that all human and biological communication could be replicated by computer systems. LaRouche writes of this in a 1993 [paper](#), “On LaRouche’s Discovery”:

Any idea, in its guise either as an original discovery, or in its transmission *de novo* as it might have been an original discovery, cannot be transmitted as a literal intent of the language-medium employed, but only as the intent which reposes in the individual user of that language. The idea

cannot be addressed by any formal analysis of the language-medium employed. This predicament is a consequence of the fact that any true discovery corresponds to a formally absolute discontinuity in any system of deductive representation previously employed. Relative to language as such, true ideas lie only in the individual, creative mental processes of each person participating in the communication.

By that statement, Lyn placed himself in, and perhaps at the head of a long line of great minds from Plato, to Nicholas of Cusa, Johannes Kepler, Gauss, Riemann, Bach, Beethoven, Planck and Einstein. All of these important thinkers maintained, explicitly or implicitly, that it is the nature of the human mind to generate thoughts, creative hypotheses, that are not and could not have been derived from the experience of the senses, but come rather from our own inner conviction, our own imagination. The “miracle,” to borrow words from Einstein, is that in some cases these thoughts of ours have a correspondence to the way the universe actually works. They become the basis of scientific progress.

On the other hand, what our senses show us, Lyn asserted, are mere shadows. The seemingly concrete objects that we see, or hear, or touch—are they real? Well, yes, in that our senses are reacting to something real, a process, which is really affecting them. But is the object that our brains conjure up in response really an image of the principle itself? Perhaps a different way to ask that is: What is more real—the fact that, or the reason why?

Let's examine this a bit. A principle of nature is a type of "object," so to speak, which lies beyond that to which our brains—our senses—have direct access. It has neither size, shape, color, nor mass—and yet, it has a power to cast shadows, to shape processes of change throughout the entire universe. How, then, can we come to "see," to know, a principle itself?

Lyn's philosophical enemies—Aristotle, Sarpi, Newton, Decartes, D'Alembert, Laplace, Euler, Russell—said that you can't! That it's meaningless to ask such a question, because the human mind is an epiphenomenon of the brain; it is nothing but a blank slate, which, over time, is written upon by sense impressions. All that we can do, therefore, is use logic, mathematics, to describe the relations among these sense perceptions, and sometimes if these relations are consistent, we set them down in laws. (Like the 2nd Law of Thermodynamics, which Lyn had such fun attacking throughout his life.) This evil view is one which relegates man to the level of a clever beast.

As Lyn insisted, the human mind *does* have a power to know principles—not via our senses, or logic, but through leaps of hypothesis, prompted by the *contradiction* between sense impressions. I'll give you an example that Lyn used often, especially around the Kepler project, which he assigned the first two Basement teams: sight and sound.

Johannes Kepler's first hypothesis, in 1596, of the universal principle governing the Solar system was that the structure of the planetary orbits—or, the reason each took its particular distances from the sun and not other ones—was coherent with the principle expressed in geometry in the five platonic solids. This is a principle of the organization of space accessible to our sense of sight. Here you see a nested series of the five solids, which create a unique set of distances from the common center, represented here by the spheres which inscribe and circumscribe each solid.

Kepler, who was 25 at the time, knew that although

the proportion of the planets' distances matched those dictated by this geometric principle very closely, they were not a perfect match. There were discrepancies. He also knew that his idea of the Sun *causing] the planets' motions needed further refinement. It took nearly 25 years to solve the paradox.*

In Kepler's last major work, The Harmony of the World, he demonstrated that the distances of the planets—while still reflecting a geometric ordering principle—are not the primary parameter. Rather, the distances are a function of their motions, and the reason the planets take the particular motions they do, is because as a system the planets' motions reflect the same tempered ratios as those found in the developed major-minor musical system, a tempered system later demanded by the compositions of Johann Sebastian Bach.

That is, each planet's changing motion corresponds to a pair of notes of the major or minor musical scale—a principle of the organization of space accessible to our sense of hearing. The planet sings its notes in harmony with itself and its neighbors, making slight adjustments to its tuning, just as a choral singer must, in order to be in tune with the whole ensemble. This is a physical process, which cannot be represented in a fixed mathematical way, but ask any choral singer, or orchestra musician, and they'll tell you it has a definite, knowable existence.

What do these two incommensurable but overlapping domains of sight (geometry) and sound (musical harmonics) tell us? Is the Solar system a geometric system? Is it, rather, a musical system? Perhaps the best answer is that the Solar system is reflective of both, but *is* neither. The way Kepler resolves this contradiction is by putting himself—and hence also you and me—in the shoes of the Creator. Can I conceive of the single creative action, or thought, that would of necessity unfold into this set of planetary motions? Can I think the thought of God, something which cannot be seen but only experienced in the mind, that must be casting this shadow into the physical universe?

Kepler's new hypothesis which we today name universal gravitation has given mankind incredible new powers in and over the physical universe. The human mind, as a unique category of creative process which uses the brain as its infrastructure, can develop new ideas which resonate with the universe in such a way that we increase our abilities within it. This, upon which

Lyn put primary importance, is the basis of science, of poetry—and of economics, as we will now hear from Jason.

LaRouche-Riemann Method: Senses vs. Discovery, by Jason Ross

Science is the key to our human ability to improve our living from one generation to the next. LaRouche understood the implications of this in a new way.

In the 1993 article Megan quoted from, in which LaRouche described his central economic discovery and his creation of what he termed the LaRouche-Riemann method, he wrote:

The central feature of my original contribution to the Leibniz science of physical economy, is the provision of a method for addressing the causal relationship between, on the one side, individuals' contributions to axiomatically revolutionary advances in scientific and analogous forms of knowledge, and, on the other side, consequent increases in the potential population-density of corresponding societies. . . .

These discoveries were initially the outgrowth of 1948-1952 objections to the inappropriateness of Norbert Wiener's application of statistical information theory to describing both the characteristic distinctions of living processes and of communication of ideas. I countered with a contrary, non-statistical definition of negentropy. . . .

That was the initial core of my discovery, up to the year 1952. Yet, up to that point, the appropriate mathematical representation of such a form of physical-economic negentropy was still wanted. The third step, taken through an intensive 1952 study of Georg Cantor's 1897 *Contributions to the Founding of the Theory of Transfinite Numbers (Beiträge)*, opened the doors of the transfinite domain upon a fresh insight into relevant features of Bernhard Riemann's contributions. Thence, the applied form of my definition of physical-economic negentropy acquired the title of "LaRouche-Riemann Method."

So what was Norbert Wiener—the author of *Cybernetics*—so wrong about? How did LaRouche's disagreements pave the way to his reconceptualization of economy from the standpoint of Riemann?

Wiener considered communication of messages to be a key to understanding the behavior of mechanical systems, of biological systems, and of human society and thought. But "information" absolutely does not apply to the creative discovery process, or to the measurement of economic value! Let's consider the nature of an *idea* embodying a new, creative discovery of principle.

We begin with a chart of human population over historical time. There is no animal species whose population has changed in this way, and none whose population has changed by its own self-generated change in behavior and relationship to nature. And that's a good thing! Anyone who thinks we shouldn't change and improve our relationship to nature is an idiot.

LaRouche: We have to get rid of all these characters; all people greenies, who say they're scientists, must be expelled from the profession.

Because they're committing a fraud! Any greenie who says he's a scientist, *per se* is committing a fraud by his mere existence.

Ross: Because we know that we have a basis of science, that has to include human development. So if you excluded that, or said that's an evil thing, then you can't be a scientist.

LaRouche: No, you're not, you're a faker. If you believe in the green policy, you're a faker as a scientist. Anybody who believes in the green policy is a faker, if they claim to have scientific capabilities. If they want to say they're stupid, well, fine, say, you are stupid, that's true.

Bill Jones: Well, they claim to say they're trying to maintain and continue existence in a universe which they deny has a principle of continued existence in it.

LaRouche: It's all gibberish! It's all just plain gibberish. No truth to it—they're idiots! To any professor, you say, "Oh, no! You mean, you're Professor Idiot. You got a professorship in idiocy."

Sorry, greenies—we are not animals: we *are* able to develop conceptions that go beyond the senses: concepts/theories which themselves embody something of the unseen causes of natural phenomena, rewarding us with the power to bring about new physical states, new processes.

Let's hear from LaRouche on this:

LaRouche: But, then we realize that these senses are not really truthful. They're not dishonest, they're not false; but they're not truthful to the sense that we believe in them. Because what we actually do, as is beautifully illustrated by the work of Kepler, both with the whole idea of the "vicarious hypothesis," but then, the application of that same principle to the discovery of gravitation. Because you take two sensations—one, principally sight; the other music, harmonics—and you contrast them. Now, what's the relationship of gravitation as a concept to these two sense-perceptions that you employ to define gravitation? And what is the genius, now, of Kepler? Because there is no deductive relationship between sense-perception and gravitation.

So these kinds of aspects of fundamental scientific discovery indicate that the human mind is located in solving the problems which are represented by sense-perception. The principles that you discover are not located in sense-perception. But it's like a shadow—sense-perceptions are like a shadow-like reflection of reality.

And my thesis, the whole thesis is essentially that core point. That we exist—that is to the extent that we, who represent the mind—not the shadow—we, who represent the mind, find our identity in what we call "scientific discovery," as contrary to sense experience. And so it's the same function by which we discover a principle, as such, as a principle: Which is the location, or should be, the location of our sense of personal identity, is the act of discovery, as typified by Kepler's discoveries, which is a perfectly good example of this, because he was so extensively painstaking, in dealing with this question, this question of gravitation; so extensive, that you actually, with him, you are re-living his process of discovery! And this process of discovery, say, "That's him!" That's his identity, that's his personal identity, is this discovery.

And there is where the truth lies. Where we slob, who don't think like that, we assume that

the sense objects *per se* are us; that our direct experience, as with a sense object, as such, is us, is our knowledge. Whereas if you think in terms of science, as typified by this case of Kepler's discoveries, first the question—the very idea of the vicarious hypothesis poses a question! And the answer is applied in the concept of the discovery of gravitation. The discovery of gravitation typifies his person, rather than the shadows of mere sense-perception.

And my point is, that if we want to understand ourselves and understand society, we have to think in those terms of reference; think, not in terms of sense-certainty, but think in terms of sense-uncertainty: That what we call "sense-perceptions" are what? Well, we know what they are. Biologically, we know what they are; chemically and biologically, we know what sense-perceptions are. But that's not us.

It's the insight into different, contrasting kinds of sense-perceptions which show you the presence of the universe as an active principle. So therefore, who are you? If you are real, you are the person who is experienced in discovery. And therefore, scientific discovery, in principle, is the essence of human nature, of actually human nature.

Ross: Yeah, and then you say, so, we're going to measure ourselves then, not against, compared to other life currently present, only; we have to measure ourselves against where are we supposed to be going?

LaRouche: Well, which is what are we discovering?

Ross: Yeah.

LaRouche: In the sense of Kepler's discovery is a good example, because, I mean, the extent of his dealing with this aspect of his work, is so rich and so elaborated; I mean, he comments on himself constantly! He's correcting himself constantly. He's conscious of his process of discovery, constantly. He's locating his personality, his actually existing personality, in this, this activity of discovery. Not sense-perception, but saying, "What are these tracks that are being left by this animal?"

It's the process of discovery that is the source of the true sense of human identity. It's that

meeting of creativity, is the definition of man as a creative creature. And when people going around measuring things in terms of sense-perception, and saying sense-perception is sense-certainty, is where the great error occurs. It's how people stupefy themselves.

When you take the case of Kepler's discovery of gravitation, and then you take all these shitheads, who—you know—take Newton or some other crap artists, or that collection of crap artists, and you're seeing what the problem is. It's a moral problem, essentially. It's a loss of access to a true sense of human identity.

Your nature is not sense-perception. Sense-perception is the footprints of the animal; it is not the animal.

And that's the point of the whole thing, the whole argument, the core point. And then look at this from various phases, to try to make it clear by taking various phases of that question. It's like on the fourth principle, it is actually that. That's the thing you have to—you have these three different senses which are wrong. But then, how do you find the truth? You don't find another sense, you find something which replaces sense-perception, which is the solution of the acronym that's in sense-perception. So the sense-perception's—the three categories of typical sense-perception are false, as information. They're shadows, they're not things, they're not real.

But then, there's the fourth thing, which is, again, in the Kepler case, is his discovery of gravitation in particular. And Einstein's understanding of Kepler's discovery is typical of the same thing: How does Einstein identify a universe, which is finite but not bounded? What the hell does this come from? This is an existential statement, that the universe is finite, but not bounded. The same thing.

As we develop this greater understanding, we require the development of a new language, capable of communicating concepts that cannot be expressed in terms of the previous language. Consider these examples:

- Arithmetic consists in adding, subtracting, multiplying, and dividing. Yet no combination of these procedures is capable of creating a square with double

the area of a given square. The language of arithmetic is insufficient and must be expanded, in a way that recognizes the earlier impossibility. The new concept, $\sqrt{2}$, $\sqrt{2}$ acknowledges the impossibility of expression in simpler terms.

- The language of physics—of mass, speed, density, color, hardness, and so on—creates its own limitations in the field of chemistry. Lavoisier's goal of improving the language of chemistry led him to redefine chemistry itself, in a way leading to Mendeleev's redefinition of the language. While charcoal, graphite, and diamonds all have colors, densities, hardnesses, etc., the language of chemistry allows us to say that these very different substances consist of a single *element*, carbon.

Carbon itself has no color, density, hardness, or any other physical characteristic. It has certain susceptibilities of entering into combinations with other elements, and it has, in common with other elements, entirely new properties which do not exist for any compound or material whatsoever. These properties include valence, ionization energy, and atomic mass.

- Once a new physical discovery is made, its communication to others requires a process in many ways identical to that by which the discovery was originally made. Those steps include the recognition of a paradox, the hypothesis of a *required* new principle, and the experimental validation of that new principle.

This process of creating necessary additions to knowledge (and language) through resolutions of otherwise insoluble paradoxes is the method of Nicolaus of Cusa (the creator of the foundations of the European Renaissance), of Johannes Kepler (the first modern scientist), of Pierre de Fermat, of G.W. Leibniz, of Carl Gauss, of Bernhard Riemann. It is also the musical compositional approach of the great composers, emphatically including the founder of the well-tempered musical system: J.S. Bach.

It is emphatically not the communication of "information" as Wiener claimed. Discoveries of this sort require hypotheses, not kissing someone's ass:

Sense-certainty is not truth, it's a phenomenon, not truth. Just the way that Riemann, in front of his friend, his teacher, his mentor, Gauss, was very happy with what he did with his habilitation dissertation. Because it *destroyed everything!* And these idiots, every one of these idiots, and none of these idiots—practically all opponents



EIRNS

Lyndon LaRouche speaks with young attendees at the Schiller Institute's Presidents' Day Conference, held in Reston, Virginia, February 16-18, 2003.

of Riemann—were systemically idiots! But intentionally so!

Because they wanted to be “approved of.” And they lied, in order to get approval from given authority. They’re still doing it in universities today. It’s a little more shameless today than it had ever been before, that’s all.

Application to Economics

What similarities arise between the challenge of communicating a discovery of principle and the challenges of expressing the economic implications of such new discoveries?

Economists enjoy assigning value to things. A ton of steel has a certain value, as might a container of food or clothing.

But the greatest creation of value comes from the creation of new ideas that expand our abilities. What is the value of the invention of the steam engine, not a *specific* steam engine, but the concept itself? How valuable was the development of metallurgy in the Bronze Age, the development by Mendeleev of chemistry, or the nuclear physics that unlocked nuclear power?

An attempt to express the value in terms of the previous economy necessarily fails, since a society equipped with the new knowledge can create *more than* (not *more of*) what the previous economy could pro-

duce.

This means that economic value lies not in objects themselves, but in the process of improvement of the productive powers of mankind as a whole, in the rate of increase of the potential human population density. *Yes, more people!*

Seeking a mathematics adequate to represent the anti-entropic nature of the change effected by human development, LaRouche found a step forward in the physical mathematical work of Bernhard Riemann.

For time reasons, I’ll only say two things about this:

First, Riemann developed a means by which to look at a series of transcendentals, each going beyond what came before. This mirrors the changes in language associated with the development of new principles and new branches of science.

Second, Riemann furthered the study of what is today called topology, by which it is possible to discuss changes that are absolutely non-localizable and can only be considered in terms of a change to the entire space of action *as a whole*.

From these considerations, the LaRouche-Riemann method was developed.

Seeing Science from Within

But, this cannot be an armchair exercise!

LaRouche insisted that to truly understand economics, one must have an internal experience of the process of discovery itself. He built a social process to ensure that his young collaborators would be able to develop such an internal experience. Megan will say more about this.

Educating a New Generation, by Megan Beets

LaRouche: [audio clip] So, we’re getting into a new generation, a new generation of a new generation; a new generation of the young adult generation, in which we are attacking, by this

method, beginning with the case of Kepler, which is what we're doing essentially: We're replicating the core of Kepler's discoveries as something to be reexperienced, rather than described. And the team of four-odd, here, are working through the *New Astronomy* for this particular purpose.

What we're trying to make conscious is that the universe is not run by mathematical formulas. A mathematical formulation may be useful, but it's only a crude approximation of the shadow of an actual scientific idea.

One of the problems we have in modern reductionist thinking, especially since the 1920s, increasingly, but even more emphatically since the end of World War II, science has been destroyed—scientists typified by the best people in the Fusion Energy Foundation. Science died out, not only in the United States, but around the world. The people we worked with, the people we were in touch with, or their corresponding people we weren't directly in touch with, but indirectly in touch with, in the Fusion Energy Foundation, represented the last competent generation in practical scientific work and conclusions which we've had so far.

The Baby-Boomer generation, which was brainwashed in the theories of Norbert Wiener, John von Neumann—actually all coming from Bertrand Russell—this generation is intrinsically, with a few personal exceptions, incompetent in science. They no longer believe in a scientific principle, a physical principle, they believe in a mathematical formula. And a mathematical formula is never more than a descriptive approximation of the effect of a principle, rather than a representation of the principle itself.

That is, people believe that you can derive scientific principles by deduction, or similar kinds of methods. They do not understand that you can discover a scientific principle, *only* by experimental methods. And experimental methods which show a discontinuity, which show the existence of a principle which is contrary to how you believe the universe worked before then. That's our problem.

So therefore, what we're doing, rather than allowing people to try to *learn* what they might learn in a university today, including a so-called

advanced one, we're telling them to go through the experience of *rediscovering* the essential foundations, in an experimental approach, of modern physical science today, to bypass what is taught as merely mathematics, and to look at mathematics from the standpoint of physical principles, rather than trying to mis-define physical principles as mathematical description.

That's the essence of the matter. Because this new generation, which many of you represent, the generation between 18 and 30 approximately, now, you are the future. The present world system is going to disintegrate—now! In these coming weeks and months, it will disintegrate. And the question is, what is the new system which will replace it? Will it be Hell? Will it be chaos? Or will it be something viable. So the trick is to skip the failed generations on this account, to go back to the fundamentals of the founding of modern European civilization, and to its more ancient Classical Greek origins, and to develop a generation which can lead in putting humanity back on track.

In the early 2000s, Lyn began recruiting a youth movement among my and Jason's generation. This was a period when the world was going through a series of dramatic shocks: the monetary crises of the late 1990s were followed by the election of George W. Bush as President in the U.S., followed by the 9/11 attacks, and the dropping of American bombs on Afghanistan and Iraq. Youth across the globe began responding to the clear voice of leadership that Lyn was providing in an increasingly chaotic world, one seemingly driven by responses to events rather than an outlook for the future.

However, Lyn quickly identified that if this generation was not to make the same mistakes as their parents' generation, they would need an education. He said that there had to be "a different culture developing in the leadership of this generation, . . . a culture which is intrinsically superior to that of the general culture of the earlier generations."

And so, Lyn's 2004 presidential campaign, and the decade that followed were run as what LaRouche once called "a combat university on wheels." Early morning campaign distributions were followed by mid-morning chorus rehearsals, and evening phone out-



EIRNS/Dan Sturman

Lyndon LaRouche and Brian McAndrews of the LaRouche Youth Movement Animations team, in the basement of LaRouche's home near Round Hill, Virginia on July 28, 2006. On left, Will Mederski.

reach was followed by late evening readings of Plato, work on Gauss's *Fundamental Theorem of Algebra*, and on constructive geometry. The challenge was always: How do you *know* something? Not, What facts have you memorized? Or, What do the authorities on this subject say? But can you prove it for yourself—can you make it your *own*] *discovery, and can you educate others?*

In 2006, a team of four youth movement members (including Jason) began working under Lyn's direct supervision on creating animations of processes within the economy, economic cycles. In short order, that team was given a new assignment: master Kepler's *New Astronomy* and create a series of pedagogies and classes to teach it to others. This team deployment came to be nicknamed "The Basement," for the simple reason that our office space was in LaRouche's basement. After several months, a new team of which I was a part was brought in to master Kepler's *Harmony of the World*, followed by another focusing on Gauss's discovery of the orbit of the asteroid Ceres. Another team followed, initially focused on the work of Bernhard Riemann, which had been so central to Lyn's own contributions to economic science. This eventually branched out into

broader areas of investigation, with Jason and me both returning to the Basement.

With Lyn, and prompted by Lyn, we had the privilege of participating in projects investigating the work of any number of great geniuses—including, beyond those already mentioned, Leibniz, Fermat, Vernadsky, Pasteur, Einstein, Robert Moon, Schiller, and Bach. The Basement worked with Lyn on projects exploring the principles of the evolution of life on Earth in relationship to the galaxy; the principles of the well-tempered musical system; new economic platforms for water management and weather modification, as it relates to cosmic radiation; the defense of Earth from asteroids and comets; and

physical economy as mankind's increasing mastery of physical chemistry. And there are many other investigations that could be added to that list.

Lyn looked to bring out the potential in each person. He looked for that person's strengths, and pushed them to take leadership and do important, breakthrough work that would not only upshift the person, but make a contribution to the progress of humanity as a whole. At the same time, he emphasized the importance of the social process—the discussion process, which would often yield much more than the sum of its parts. Our discussions were more often than not prompted by Lyn's prolific paper writing. One of the most wonderful things was arriving to the basement office early in the morning, to find that Lyn had only recently gone to bed, and that copies of the paper he had been up all night writing were waiting for us on our desks, for our consideration.

Under Lyn's leadership, the "Basement" process, which was by no means limited to the individuals working out of that basement office, produced numerous pedagogical websites and led classes and workshops around the country on subjects from the work of Kepler, Gauss, Riemann, and Einstein; to the paradoxes of evo-

lution; to the sensory domain versus the mind. We attended and intervened into scientific conferences on space, fusion, asteroid defense, and space weather, and formed relationships with scientists in various fields. Through this process, Lyn shaped politics and science in the United States and internationally in such a way as to demand that political discussion rise above the level of “current events,” and take place on the stage of real history and the ideas that shape it.

As important as that was then, it is urgent today; and with Lyn no longer here in person, this places a great challenge and responsibility on all of our shoulders.

Future of LaRouche’s Basement Project, by Jason Ross

I’d like to interject a personal note about working with LaRouche on Riemann. When I returned to the Basement as part of an expanded Riemann project, I was going through a tough time in my life. Having the opportunity for personal chats with Lyn, sometimes getting feedback on a movie script or animation, sometimes discussing music or the evil of Bertrand Russell, or sometimes just talking about personal life, was tremendously important to me. Lyn was definitely demanding, but he was also a very loving human being, with a real concern for people’s well-being and able to offer unlimited encouragement—sometimes of the butt-kicking variety! It was a true honor and privilege to be able to work directly with him.

Now, some thoughts on the future of the Basement.

The challenges laid down by LaRouche take on increasing relevance today. While resources are directed towards such fields as artificial intelligence, machine learning, and “green” technologies, the most fertile fields of inquiry are largely fallow:

- Nuclear fusion funding has been far below the level known already during the heyday of the Fusion Energy Foundation, to be insufficient to ever achieve commercial fusion. This great power source of the future is effectively being denied through under-investment.

- The very term “science” has been perverted to mean its direct opposite—*popular opinion*—in the propaganda offensive towards collective suicide through green policies to dramatically reduce emissions of CO₂, with large groups of children, who clearly are not experts on world climate—or much of any-

thing—being presented as respected, admired agents of change.

- Fakers or simpletons, like Yuval Noah Harari, Richard Dawkins, Sam Harris, Greta Thunberg, and Neil deGrasse Tyson, assault our minds with religious-like conclusions about the evil or mechanical nature of man, conclusions draped, immodestly, in supposedly scientific reasoning.

The beautiful birthright of all people—the incredible, inspiring history of adventure and discovery that has brought us to the present world of possibility—must be reclaimed.

Making Things Right

Helga and Lyn have fought for a global renaissance, and this absolutely must include a revival of scientific thinking! We must make Lyn’s method—which is also the method of the greatest scientific geniuses before him—hegemonic. The errors in policy making plaguing us today are not temporary; they are not cyclical; they are *systemic*!

What must be our strategy to uplift the discussion and decision-making process—the means by which we reach policy conclusions—to a level that considers the progress and direction of civilization? What axioms must be uprooted?

- The Second Law of Thermodynamics—the idea that the whole universe is going to run out of steam.
- Human actions, especially those that change our surroundings, are often “unnatural,” and therefore bad.
- The human mind is, ultimately, explainable in terms of physical processes.
- Reductionism.
- Positivism.
- Environmentalism.

To identify and uproot these axioms, let’s do the following:

- Engage in a committed, organized working-through of major works by LaRouche and the primary sources he cites.
- Create a rapid growth of a new generation of young leaders and thinkers, committed to encountering and internalizing the process of scientific discovery itself.
- Coordinate work on these educational processes, and on planning the infrastructure, scientific, and cultural goals for the next great Renaissance!

We encourage everyone to participate in this process, and we conclude with an excerpt of a [talk](#) Lyn

had with a gathering of young people in 2007, which is still valid today:

LaRouche: And the problem that you have, in your generation: You are young adults, where an older adult generation has failed, existentially. There may be individuals in the older generation who have not failed, but the generation as a whole, especially the white-collar generation has failed. They've failed catastrophically.

Your job, because you are receptive to these

ideas of principle, to the notion of the individual as immortal, an immortal personality, despite the death of the mortal body, is your destiny, and your responsibility to guide the changes which must occur in society, if society itself is to survive. And therefore, your generation has a unique historical role, in the existence of mankind as a whole.

And to understand this in yourself, and to see your identity as so situated, is my mission for you.

In Defense of African Sovereignty

by Henda Diogène Senny

Mr. Henda Diogène Senny is the President of the Pan-African League movement UMOJA, based in France. We present here a report on his presentation on Nov. 16, 2019 at the Schiller Institute Conference, "The Future of Humanity as a Creative Species in the Universe," in Bad Soden, Germany.

Mr. Senny began his speech by referring to the recent commemoration of the 30th anniversary of the fall of the Berlin Wall, and what the implications of this event are for the world situation today.

This indeed "historic" event, said Mr. Senny, did not live up to the expectations of most of the so-called political experts of those days. And in particular, not to the pronouncements of the core neoliberal establishment, epitomized by Francis Fukuyama, who predicted that this event signaled "the end of history," i.e., the "ideological and definite victory of democracy and liberalism over all other political ideologies."

The Cancer of Geopolitics

"Today we must recognize that the fall of the Berlin Wall did not bring to an end the cancer which gangrenes all the modern states today, i.e., geopolitics," Senny said. Even though the building of the Berlin Wall was the result of the geopolitics which led to the Cold War,



EIRNS/Johanna Clarc

Henda Diogène Senny

today, 30 years after its fall, all the "ancient geopolitics" have been recycled. "The world has never been so strife with conflict."

"For us Africans, the end of the Cold War led to new historic ruses," he said. "In the decade of the '90s, our salvation was supposed to come from 'free and transparent elections,' without ever posing the right questions relative to sovereignty. Elections without sovereignty [were] always contested... [and] chaos and war were never far, with all the social destruction that they entail."

Whatever the political conflict, "the political actors, once in power, all applied the latest neoliberal, end-of-history recipes cherished by Fukuyama: the Washington consensus, the only program accepted by the IMF and the World Bank." This meant the rapid elimination of all state regulations or others; the rapid and total liberalization of all markets of goods, capital, and services; and the establishing of a totally deregulated world market—to the detriment of all public investments in infrastructure, education, and development.

Africa's Just Ambitions

"Despite this difficult situation, Africa has justified ambitions in the domain of space technologies, which could solve some of the problems of telephone, televi-

sion, radio, Internet, GPS connections, and scientific research. The scientific mastery of space is a real democratic stake because it can reduce costs of distribution and of access to some fundamental rights for the large number of people,” Senny said.

“Some African countries are playing a leading role in this direction. Without being exhaustive, these include Angola, Nigeria, Ghana, South Africa, and Kenya. Because of the extremely high cost, each African country is turning toward the U.S., France, Russia, India, or China to be able to have a satellite. And it is in these areas that a United States of Africa, the ideal for which we fight, finds its full dimension. Not only would it deal with the difficulties of costs and rationalization of the usage of satellites per country, but it would solve the increasing potential tension between neighbors as soon as one country has a satellite.”

In his conclusion, Diogène Senny proposed to replace the “end of history” concept with the true concept of the living historical identity of man, “the privilege of each man to be conscious of living in history. This calls

for the solidarity which unites the past, present, and future, and motivates the desire to seek for a freedom to produce a future through a creative act.”

“Today, 30 years after the fall of the Berlin Wall, the real issue is one of sovereignty, the loss of which has demoralized African youth, who today have turned toward the historical figures of African patriotism such as Barthélemy Boganda in the Central African Republic, Tom Mboya of Kenya, Félix-Roland Moumié and Ruben Um Nyobè of Cameroon, Murtala Mohammed of Nigeria, Thomas Sankara of Burkina Faso, Steve Biko of South Africa—all fervent African patriots, young and dynamic, who died victims of imperialism.”

Senny called for a new renaissance of Africa, inspired not by machines or robots or wrong conceptions of man, but based on the infinite messages communicated by the ancient Egyptian monuments, on the mysteries of agriculture, which represent more deeply the analogy of “human destiny and the productive sowing of the land.”



EIRNS/Johanna Clarc

Audience members were moved by two days of presentations on “The Future of Humanity as a Creative Species on the Universe,” at the Schiller Institute’s conference in Bad Soden, Germany on January 16-17, 2019.

Impeachers' Mantra: War Is Peace!

by Paul Gallagher

This is the edited transcript of Paul Gallagher's opening remarks on the weekly LaRouche PAC Fireside Chat on November 14. Subheads have been added. The full webcast is [available](#).

Let's discuss the crisis facing us, and our immediate objectives in facing it. First of all, let me remind people, we are in a situation of financial crisis. It's a global crisis relatively speaking, but I'm discussing it now in terms of the United States. We know, more or less, that some relatively large financial institutions—one or more—have become illiquid this Fall; in the way that Bear Stearns and divisions of Citigroup became illiquid in early 2007.

We know this from what the Federal Reserve Bank has been forced to do since the middle of September. It has been forced first to establish daily liquidity lending to the big banks, overnight, on a rapidly increasing scale which has now reached the level of \$120 billion *per day* in what they call overnight liquidity emergency loans. In addition, the Fed has been forced to add two-week emergency liquidity loans up to \$45 billion a day. That started lower also and has gone up.

In addition to that, just today it has announced an additional program of emergency liquidity loans to begin in December for 14 days or 28 days; whatever is sufficient at that time to get these obviously somewhat crippled financial institutions past December 31—past the end of the financial year.

This is all being done essentially in secret; even financial publications which specialize in reporting Wall

Street financial news and so forth have not been reporting the way in which the Fed has been increasingly forced to do this. And of course, one has to read not only the Federal Reserve sites and so forth; one has to read the blogs—not just financial blogs—but contrarian financial blogs, to find *any* kind of coverage of this going on.

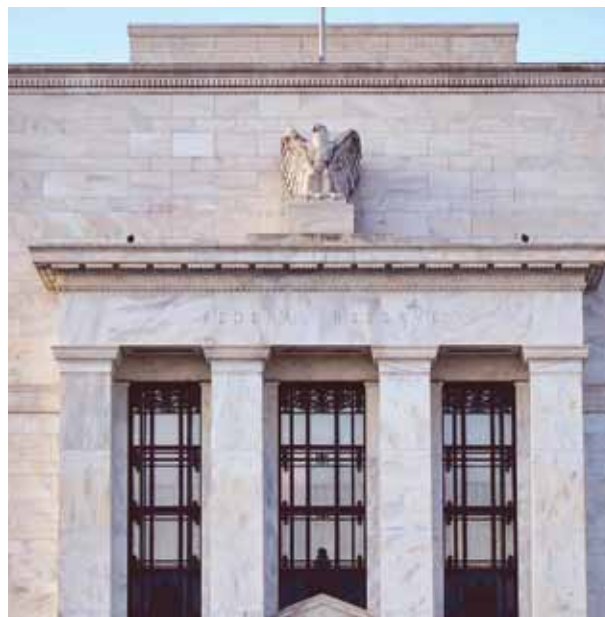
Of course, there is an even deeper secret as to what are the actual financial institutions that need this emergency liquidity every day. They are paying some of it back every night, but over this period of two months since mid-September, we know that the Federal Reserve put out, more or less permanently, more than \$300 billion in bailout cash on an emergency basis to large financial institutions—to the 25 so-called primary dealer banks.

Where it's going from there is being kept a secret. Whether it is any of those banks which are the biggest banks in Europe and the United States which are illiquid, that is being kept a secret by the Federal Reserve in the way that it was in 2007. Although at that time at

least, there were some business journalists who made very hard-hitting efforts to find out which they were, and found, for example eventually, that \$2.5 trillion in loans of this kind were made to Citibank in that period of time in order to keep it from blowing up completely.

If we were in a repeat of the 2008 crash (which we are not, and this may very well be a considerably worse one), this would place us roughly at the point of April-May 2007 in the run-up to the September 2008 global crash. It was

EDITORIAL



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The Federal Reserve Board Building in Washington, D.C.

just before that time that our magazine, *Executive Intelligence Review*, in a rather notorious headline on the front cover of a feature story, said “the mortgage meltdown could cause a global crash.”

That article described in ten pages exactly how that was likely to happen. This was perhaps 16 months away at that time, but it was visible. It was clearly visible to Lyndon LaRouche; it was clearly visible to the intelligence people in his movement. He then immediately moved to say what had to be done to protect the economy from that coming crash. Not to stop it—he said it couldn’t be stopped—but to protect the economy from it.

Now, this market into which the Federal Reserve is pumping the liquidity, is called the repurchase market or the overnight lending market. That market is not what is driving this crisis; it is the ten years of zero and negative interest rates by the central banks; it is the now \$16 trillion debt bubble in the United States, which grows at \$1 trillion a year and has nearly tripled since 2009, which is actually driving this. The derivatives figures which have just been published by the Bank for International Settlements are disturbing. You can see from them that more and more trillions of actual bank assets and financial assets are at risk of suddenly being lost in the derivatives markets.

Finally, the climate change Green bubble which the central banks are pushing now, to force investment out of coal and oil and so forth and into solar and wind—which they imagined might slide them through this crisis without a complete crash—is actually making it worse. Because it is very rapidly pulling down the market values of assets associated with fossil fuels in particular, and it is bringing forward—not pushing away, but bringing forward—the point of this crash.

Enact LaRouche’s Four Laws, Now!

So, knowing that that’s happening, right now what we must accomplish is to re-establish the Glass-Steagall Act in the United States. The Democratic Party has disappeared on this issue. Just one session of Congress ago, there were 90 Democrats in the House and 11 in the Senate who were sponsoring Glass-Steagall bills. Now there are virtually none, because they’re all totally absorbed in trying to impeach the President.

The Glass-Steagall Act is essential now. It would give the commercial banks time to withdraw themselves from all the speculative hedge funds, investment banks, private equity funds, derivative markets, and so forth, and let those things crash on their own. While the lending banks would still be able to lend, so the United States would then issue productive credit for infrastructure, for manufacturing. To get out of the crisis, that credit will go to the banking system where we want it to go—into productive employment and productivity—and will not disappear into a million speculative channels.

So, Glass-Steagall, as everybody knows, is one of the *sine qua non* laws of what Lyndon LaRouche has



called his “Four Laws” for an economic recovery. It leads directly to the issuance of that credit, and to much bigger things, including crash programs in space exploration and fusion power development. We have to get that first step under way.

Secondly, we have to fight for openness to cooperation on credit with China. This is one aspect of combatting the war drive that Barbara was talking about. But specifically, in this case, the United States and China are in a position to very readily cooperate in joint issuance of credit for major productive projects. Not only within their countries but, as China is already doing, within many third countries to which we can export capital goods to which our manufacturing will contribute.

We have a pamphlet, “End the McCarthyite Witch-hunt Against China and President Trump,” which will be released within the next few days. It directly attacks the propaganda against China in this country, exposes where it is coming from. Who controls, for example, the Falun Gong group and the *Epoch Times* which many of you may suddenly have seen emerging from nowhere in recent months? Who actually connects this to Steve Bannon, for example? Where is the money coming from that is driving this propaganda war?

But equally importantly, what are the immediate steps by which China, with its very large holdings of U.S. Treasury securities, could put those Treasury securities to work in a credit institution in the United States to build new infrastructure in the way that President Trump clearly wanted to do when he was a candidate, and to rebuild our manufacturing capability? The United States, with other countries, could move its space program, Artemis, the Moon-Mars program, forward much more rapidly if the budget sabotage of certain Democrats were to be overridden.

The wide distribution of our upcoming pamphlet is going to enable the President, for example, to take trade settlement steps—not in the way that they’re being taken now, which is an infinite process leading to nowhere. It’s like constantly approaching an essence which will never be reached, and there is not going to be any agreement this year. Instead, it will enable him to take trade settlement steps in a different way—in a way which would actually get credit flowing between the two countries and get great project building under way, for example, in Mexico



Igor Kolomoisky

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Fiona Hill

MSC/Kuhlmann



George Kent

C-SPAN



William B. Taylor, Jr.

C-SPAN

and Central America with the joint investment of the United States and China. So that pamphlet is intended to accomplish something very specific.

The ‘Whistle-blowers’ Scam

On the impeachment fight, I’m not going to repeat what Barbara very succinctly and powerfully described in what Dennis read to you at the beginning, nor what he added to it. Let me say just this: We want to put the mass organizing against the impeachment process on the basis of a drive against the British war game; a drive against the war game, and in this particular case, very specifically a British intelligence war game. Why? Why are they doing it? In part, because war is the resort of imperial finance when a financial crisis hits them.

When their financial power appears to be disintegrating or in danger of doing so, war is their response. It changes the geometry in ways that they like: it confuses the people in the countries affected by the war. It enables them to keep their balance—they think—in the face of the loss of their financial power even temporarily. So, they resort to war in these situations. But here we have something building up in addition for a very long time, as Barbara described. So, you have a war impeachment against a peace President. This counter to impeachment by us has to be a drive against a British war game.

No one should imagine that Adam Schiff is running this impeachment drive, or that Nancy Pelosi is running it, or for that matter, any Democrat.

Adam Schiff is like the little boy under the Christmas tree, who suddenly opened a box on Christ-

mas morning—or in this case, it was in July—and found there his great big prize, a CIA top-secret clearance badge; then turned around, and saw coming through the door of his office all the superheroes of the swamp, one after another. From the State Department, from the National Security Council, from the CIA, from the DIA, from the Pentagon; coming in and saying, “Adam, we want to testify at the hearings you’re going to hold.” “I am?” says Adam. “Yes, you’re going to hold them. You’re a smart boy. You too can be a hero in this drive to bring down the President, so get going!”

“We have a whole bunch of whistleblowers (or smoke-blowers as you might call them) from the CIA. A whole group of them who are ready to give you everything you want. Then we’ll all be there, all of us from the swamp, in order to come in and promote war as national security. We will explain to all of the viewers of your hearings across the country that a war confrontation with Russia is actually national security, that perpetual wars throughout the developing world actually constitute national security, and therefore peace. We will convince them that U.S. national security depends on perpetually being in regime-change war, and that in fact, this is the essence of peace.”

The Truth About Ukraine

If you have listened to or read (exactly as Barbara said), what these swamp creatures testified to at the hearings, that’s exactly what they’re saying. And they were concentrating on Ukraine; this is now, as the President himself said, the third stage of the drive to get him out. In this case, it is specifically aimed at a policy of getting Ukraine back at war with Russia. The clearest proof of this appeared yesterday in the *New York Times* in an interview with a man named Igor Kolomoisky. He is acknowledged to be the political sponsor, more or less, of the new President of Ukraine, Volodymyr Zelensky.

Kolomoisky is one of these very rich, what they call “oligarchs” in Russia and Ukraine. He has had a very dramatic change in his view; he was previously funding and equipping his own militias to fight the Russian-speaking Ukrainians in the East. He now has an entirely different view, and in his interview, he said, “Impeach-

ment is the last straw. Now that we see you doing this, or trying to do this, impeaching the President, we are going back to Russia.” He said the objective of everything that is being done in this impeachment drive is “war against Russia to the last Ukrainian.”

Kolomoisky said, we are not playing that game; we want peace with Russia. We want to organize the rebuilding of our country and collaborate with Russia on this. He said specifically, “If I were President of Ukraine right now, I would do exactly the investigations of corruption that President Trump wants to do. If a Democrat then became President and gave me any trouble, I would simply tell them, ‘We’re allying with the Russians.’”



Azov News

The Azov Battalion of the National Guard of Ukraine, marching under the banner of Hitler’s SS, in Berdyansk on July 21, 2017.

This is not just a man who has changed his views. He is now the target of all of the people who are testifying in the impeachment hearings in Washington. He named them, one after another: Fiona Hill, George Kent, William Taylor. All of these have demanded that he be forced back out of Ukraine. He had to go into exile in Israel while Poroshenko was President there; now he has come back. These swamp creatures, the “War is Peace” gang, have all demanded that he be forced back out of Ukraine and that any move towards an accommodation with Russia be stopped, because this does not serve the national security of the United States.

Therefore, lack of war between Ukraine and Russia is “war” as far as these people are concerned. And war

between Ukraine and Russia would be “peace”; according to them it would serve the national security of the United States, and this has become a mind-numbing drumbeat. At the same time, they are moving very dramatically now against the new President, Zelensky, the one who everyone saw meeting with President Trump when all this broke out. They’re moving against Kolomoisky, his sponsor. They’re moving to revive the control of the fascists associated with the Azov Brigade and so forth in Ukraine, and get actual war fighting with Russia going again. As Kolomoisky said, “war with Russia to the last Ukrainian.”

The Same Old Hype and Lies

This is the nature of the impeachment drive. It is aimed at televised propaganda to the American people on a mass scale, telling them, “Remember, American policy, American national security is perpetual war. Trump is wrong. He’s crazy; he wants peace with Russia, he wants peace with China. He wants peace in Syria; he’s crazy, he wants to withdraw. We need war. War is peace; war is national security.” They are saying this over and over again to a completely distracted American population, thinking that they can stampede them.

There is one example in American history that strikes me very strongly, in which something exactly like this was done. That was in the 15 to 18 years before the Civil War in the United States, when the Congress came under the control—not by a majority, but effective control—of the slave-holding power from the Deep South states.

They repeated on the floor of the Congress, over and over for 15 years, that slavery is freedom; slavery



Mathew Brady

President Millard Fillmore

is equality; slavery is the only system in which there can be freedom and equality. Therefore, they said, slavery is the expression of the Declaration of Independence of the United States. They said this continuously for 15 years. The newspapers all quoted them saying this, and you had President after President in that period—perhaps the best example is the little-known, little-remembered for good reason, Millard Fillmore, who was a President from Buffalo, New York.

He was an anti-slavery Whig from Buffalo, New York, who was President for three years. During his Presidency, the power of the slave-holders in the United States dramatically expanded and grew more powerful, including by actions that he himself took. His entire Cabinet was dominated by slave-holders from the Deep South. That happened with President after President until suddenly in 1858-59, the Republican Party was very rapidly organized, apparently out of just a few shards of other parties. But it was rapidly organized in order to completely change the policy of the United States; to reassert the Declaration of Independence, to reassert the American System of internal improvements, infrastructure building, national banking, after 15 years in which everyone had been forced to listen to the idea that war was peace, that slavery was freedom, slavery was equality.

That’s the kind of thing you’re hearing emanating from the so-called impeachment hearings in Washington now. We have to very rapidly organize a larger and more interconnected movement which brings people along in whatever way possible to the truth that this is the war game; impeachment is a war game; a British war game, and it will break out in war probably between Ukraine and Russia again—unless we stop it.

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