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Why the Sudden Rush to Impeach?



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Why the Sudden Rush to Impeach?

EDITORIAL

Why the Sudden Rush to Impeach?

by Tony Papert

Oct. 10—Why the sudden, jumped-up drive to impeach this President, after years of multi-million-dollar, hostile investigations have all come up empty? Because of a telephone call? Does anyone really believe that?

The real reason would be obvious if Americans knew the truth about the world financial system—but they haven't caught on to that just yet. Soon they will know. That coverup can't last much longer.

The truth is that the failed megabanks of twelve years ago, which are fewer and bigger today thanks to the taxpayer bailout, have now failed again. The \$23 trillion bailout of 2008-09 didn't work; all of a sudden it has come unstuck. For almost a month now, the Federal Reserve has been forced to pump in \$50-100 billion of short-term money into the Wall

Street banks every business day, and there's no end in sight.

The Fed pumped in \$88 billion today alone.

The whores of the financial press claim that no one knows why this is happening. If you believe that, you probably believe the story of the telephone call. The truth is that there are zombie banks out there on Wall Street. The other bankers know they are effectively insolvent, either in their own right or by way of their bankrupt customers. Other banks won't lend to them, and they secretly go to the Fed window, just as in 2008. The Fed zealously keeps the names secret, as it did then, because it would be the kiss of death for any of them if it came out.

"Astonishingly," Pam and Russ Martens write today



CC/NCinDC

The Federal Reserve building in Washington, D.C.

in their public interest website, *Wall Street on Parade*, “Congress has yet to call a hearing to ask these crucial questions.” Yes—seems they’re busy with something else...

“Let’s say, hypothetically,” they continue, “that there is a bank with a large, interconnected footprint on Wall Street that’s in trouble, and on top of that, there’s a big hedge fund taking on water and listing on its side. The New York Fed (one of the 12 regional banks in the Federal Reserve system) in that situation might be expected to call all of the big lenders on Wall Street to a secret meeting at its offices and suggest (much like a consigliere makes a suggestion) that they bail out these entities for the good of the markets and financial system.”

They go back to autumn evenings of previous years:

“Here’s a paragraph from a *Wall Street Journal* report dated Sept. 25, 1998:

Meeting Wednesday evening at the headquarters of the New York Federal Reserve Bank, 15 financial institutions agreed to chip in \$3.5 billion to keep alive the Long-Term Capital Management L.P. hedge fund.

They add another *Wall Street Journal* report of Sept. 13, 2008:

The Federal Reserve Bank of New York held an emergency meeting Friday night with top Wall Street executives to discuss the future of vener-

able firm Lehman Brothers Holdings Inc. and the parlous state of U.S. financial markets.

But yet, contrary to what these flashbacks might imply, what worked then will not work now—even if the American people were disposed to tolerate it all over again. As Helga Zepp-LaRouche has stressed repeatedly, the whole medicine-chest has been used up—\$23 trillion in bailouts, quantitative easing (which the Fed has begun again), and zero interest-rates—even negative interest rates. Everything has been tried.

The present case is like that of Edgar Allan Poe’s “M. Valdemar.” The only cure is that of Lyndon LaRouche’s proposals in his [Four Laws](#) and his proposal that the United States, China, Russia and India jointly initiate a “New Bretton Woods” world credit system to replace the present bankrupt world monetary system.

The real physical economy must be saved, while the financial succubus of the City of London and Wall Street is quarantined and put into bankruptcy. There is much more to it than that, for which the reader is advised to consult LaRouche’s writings directly.

President Trump is being framed up for impeachment at the direction of the international financier-oligarchy and its leader “Mr. Green Finance,” Mark Carney, Governor of the Bank of England. Why? Because these men fear that President Trump will move in the direction LaRouche has indicated as the crisis hits over the coming days.

Cover This Week

President Trump disembarking from Marine One.



White House: Tia Dufour

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The Jan. 27, 1989 Jailing of Lyndon LaRouche Defined an Era, Which Now Must End

[Watch](#) The LaRouche Case video

[Watch](#) the LaRouche Memorial video

[Sign](#) the Petition to Exonerate LaRouche at lpac.co/exonerate

I. Rediscovering the Real America

In His Own Words: President Trump Fights for Peace

by Robert Ingraham

As President Trump is almost uniformly attacked in the nation's legacy news media for his refusal to continue the Bush/Obama policy of "endless war," he has now taken this vital question directly to the American people. Over the last five days the President has issued a series of unprecedented statements and tweets emphasizing his determination to "bring the troops home,"—to bring to an end the now 18-year-long regime of "permanent war," as he had promised in the 2016 election. In both his actions and his statements, the President has directly challenged the geo-political designs of the British oligarchy and its intention to keep the world in a "crisis management" mode; and to pit the United States against both Russia and China.

These are momentous actions the President is taking. We present here a selection from among the President's recent utterances.

On October 7, the President sent a Twitter message containing this statement:

The United States was supposed to be in Syria for 30 days, that was many years ago. We stayed and got deeper and deeper into battle with no aim in sight. When I arrived in Washington, ISIS was running rampant in the area. We quickly defeated 100 percent of the ISIS Caliphate, including capturing thousands of ISIS fighters, mostly from Europe. But Europe did not want them back; they said you keep them, USA! I said "NO, we did you a great favor and now you want us to hold them in U.S. prisons at tremendous cost. They are yours for trials." They again said "NO," thinking, as usual, that the U.S. is always the "sucker," on NATO, on Trade, on everything. The Kurds fought with us, but were paid massive amounts of money and

equipment to do so. They have been fighting Turkey for decades. I held off this fight for almost 3 years, but it is time for us to get out of these ridiculous Endless Wars, many of them tribal, and bring our soldiers home.

Then on October 9, during a press briefing and dia-



President Trump at a news conference in the White House on October 9, 2019.

logue with reporters, President Trump stated:

Now, if we go on the theory that some of the folks in Washington go by—who all do very well with the military-industrial complex—I mean, you know, the military-industrial complex. Take a look at Dwight Eisenhower; he had it figured right many years ago. It's got tremendous power. They like fighting. They make a lot of money when they fight.

But it was time to bring our soldiers back home. So I see—and I will tell you: The hardest thing I have to do, by far, much harder than the witch hunt, is signing letters to parents of soldiers that have



White House/Shealah Craighead

President Trump participates in a Dignified Transfer Ceremony at Dover AFB on January 19, 2019.

been killed. And it's not only that—in areas where there's not a lot of upside, if there's any upside at all, and in many cases, it's only downside.

And especially when that soldier was killed in a Blue-on-Green attack. You know what that is, right? That's where a soldier being trained or whatever turns his gun on an American soldier.

"Here, son. Take your gun. You know how to use it." And he takes the gun and he turns it. And he shoots one—we have many of them in Afghanistan—in particular, in Afghanistan. The hardest thing I have to do is signing those letters. That's the hardest thing I have to do. And each letter is different. We make each letter different.

The Hardest Thing I Have to Do

And last week, I signed one of them for Afghanistan; one in Iraq; one in Syria, from two weeks ago. And sometimes I call the parents. Sometimes I see the parents. I go to Dover [Air Force Base], when I can, but it's—it's so devastating for the parents that—you know. It's

so devastating when they bring that boy or young woman out of the back of those big, powerful planes in a coffin, and the parents are there.

You know, we have people that do that. That's what they do. They—they work that. They accommodate everybody. That's what they do. They do an incredible job. And they said—I said, "The parents seemed to be okay. I'll get there early. The parents seemed to be okay." "Well, actually, sir, they aren't." "No, no. The way they're talking. They're really okay, aren't they?" "Sir, you never know until the back of that massive cargo plane opens up." And they walk down holding a coffin with four or five great soldiers on each side of it, representing our various Forces. That you never know.

And then I see it. And I see people that were smiling, "Oh, Mr. President, thank you for being here. Thank you for being here." And I think they're doing great. And then, twenty minutes later, we'll be outside when that big plane pulls up and that door comes down, and they are walking the coffin with their boy inside this coffin with an American flag over the top. And they're walking that coffin down this ramp. And I've seen people that I thought were really incredible the way they were

taking—I didn't even understand how they could take it so well—scream, like I've never seen anything before. Sometimes they'll run to the coffin. They'll break through military barriers. They'll run to the coffin and jump on top of the coffin—crying mothers and wives, crying desperately.

And this is on these endless wars that just never stop. And there's a time and there's a place, but it's time to stop.

And just to finish, last Friday, I went to Walter Reed. And I gave out five Purple Hearts to incredible young men—in this case, all men. And they took a beating, beautiful people. They took a beating. One couldn't be there because the beating was so great that he was at a totally different part of the world. He lost a leg.



Sarah Sanders

President Trump pins a Purple Heart on First Lt. Victor Prato on Dec. 21, 2017, after he was injured by a car bomb in Afghanistan.

He lost an arm. Ryan. He had tremendous damage, beyond even what these young folks went through.

But I'll tell you what: For me, it's very hard when I see that. It's very hard. It's easy to talk tough. You know, tough guys, all of these tough guys: "Let's keep fighting. Let's keep fighting." If they had to go to Walter Reed—where they do unbelievable work—I have to tell you, these doctors are unbelievable. You know, it's easy to say, "Oh, they're not the..." They're the best in the world. I've never seen anything like it.

One young man, last week, had his nose rebuilt. And they said it was in a thousand pieces. And, I said, "So, where were you hurt?" He said, "My face, sir, was almost obliterated." I said, "You have a better face than I do." [Laughter] And he said, "Sir, I had a doctor who was unbelievable, and they put it together." They said—he said "a thousand fragments." Now, I don't know if that's even possible. But a thousand fragments. And they put it together.

And his father, who was crying, came up to me and said, "You're not going to believe this, but my son didn't have a great-looking nose and now his nose is better." [Laughter]

Okay? It's an amazing thing.

But when you see these—and the Purple Hearts—you see this kind of thing—and I see a lot of it at Walter Reed. And, again, the job those doctors and the people do at Walter Reed, it's something to be commended.

Thank you all very much. Thank you. [Applause.]

No More Endless Wars

At the same press briefing, in response to a reporter's question about his decision to pull U.S. troops back from Syria's border with Turkey, the President responded:

I don't want to stay there for the next 40 years. It's not going to do anything. . . . I campaigned on the fact that I was going to bring our soldiers home, and bring them home as rapidly as possible. . . . We interject ourselves into wars, and we interject ourselves into tribal wars and revolutions and all of these things that are very—they're not the kind of thing that you settle the way we'd

like to see it settled. It just doesn't work that way. . . . And it's time to come back home.

From the first day I entered the political arena, I made it clear that I did not want to fight these endless, senseless wars—especially those that don't benefit the United States.

Then, later in the same day, President Trump further emphasized his explicit break with the Bush/Obama war policy:

The United States has spent EIGHT TRILLION DOLLARS fighting and policing in the Middle East. Thousands of our Great Soldiers have died

or been badly wounded. Millions of people have died on the other side. GOING INTO THE MIDDLE EAST IS THE WORST DECISION EVER MADE IN THE HISTORY OF OUR COUNTRY! We went to war under a false & now disproven premise, WEAPONS OF MASS DESTRUCTION. There were NONE! Now we are slowly & carefully bringing our great soldiers and military home. Our focus is on the BIG PICTURE! The U.S.A. is GREATER THAN EVER BEFORE!



White House/Tia Dufour

President Trump welcomes retired U.S. Marine Sgt. John Peck to the Oval Office at the White House on May 13, 2019. Peck lost his arms and legs following an IED explosion in Afghanistan in 2010.

The great irony in this situation is that the loudest protests against President Trump's peace initiative are coming, not from right-wing Republicans, but from the pro-impeachment Democratic Party Presidential candidates, as well as the Congressional Democrats who are now leading the impeachment drive. At least three Democratic candidates have condemned Trump's announcement of the pull-back in Syria. Bernie Sanders called Trump's decision "extremely irresponsible" while Elizabeth Warren said that Trump's decision was "reckless and unplanned." These are the same "liberal Dems" who earlier hysterically attacked Trump for firing war-monger John Bolton. It seems that 18 years of open-ended "permanent war" is not enough for them.

Where have all the liberals gone? Gone to Wall Street every one.

Democrats' Impeachment Inquiry Is a 'Star Chamber' Proceeding

by Barbara Boyd

Oct. 9—White House Counsel Pat Cipollone delivered a letter yesterday to House Speaker Nancy Pelosi, Congressman Eliot Engel, Congressman Elijah Cummings, and Congressman (so-called) Adam Schiff. In it, he provides the legal and constitutional basis as to why the White House will not cooperate with the “star chamber” proceeding presently conducted by Schiff and Pelosi. Since the content of the [letter](#) has been repeatedly mischaracterized by the media, it is important to quote parts of it with annotations.



Rep. Adam Schiff (D-CA).

Gage Skidmore

violates the Constitution, the rule of law, and *every past precedent*. Never before in our history has the House of Representatives—under the control of either political party—taken the American people down the dangerous path you seem determined to pursue.

Put simply, you seek to overturn the results of the 2016 election and

deprive the American people of the President they have freely chosen. Many Democrats now apparently view impeachment not only as a means to undo the democratic results of the *last election*, but as a strategy to influence the *next* election, which is barely more than a year away. As one member of Congress explained, he is “concerned that if we don’t impeach the President, he will get re-elected.” [Cipollone footnote to “Interview with Rep. Al Green, MSNBC

Here is the beginning of Cipollone’s letter:

I write on behalf of President Donald J. Trump in response to your numerous, legally unsupported demands made as part of what you have labeled—contrary to the Constitution of the United States and all past bipartisan precedent—as an “impeachment inquiry.” As you know, you have designed and implemented your inquiry in a manner that violates fundamental fairness and constitutionally mandated due process.

For example, you have denied the President the right to cross-examine witnesses; to call witnesses; to receive transcripts of testimony; to have access to evidence; to have counsel present, and many other basic rights guaranteed to all Americans. You have conducted your proceedings in secret. You have violated civil liberties and the separation of powers by threatening Executive Branch officials, claiming that you will seek to punish those who exercise fundamental constitutional rights and prerogatives. All of this



Rep. Al Green (D-TX).

CC/2C2K Photography

As White House Counsel, Pat Cipollone Builds Case for Defiance on Impeachment



Pat A. Cipollone, the White House counsel, in May. He wrote an eight-page memo to Congress setting out President Trump's defense strategy for the impeachment inquiry. Doug Mills/The New York Times

By Elizabeth Williamson

(May 5, 2019).”] Your highly partisan and unconstitutional effort threatens grave and lasting damage to our democratic institutions, to our system of free elections, and to the American people.

Specifically, the letter notes that President Trump declassified the read-out of his entire July 25 [conversation](#) with Ukrainian President Volodymyr Zelensky in order for the public to see that there was nothing wrong with the call (let alone the hyperventilated claims made by the bogus whistleblowers). That is why Rep. Schiff made up a parody of the call and presented it to the American public as fact, while lying about the whistleblower’s contacts with his office prior to filing the complaint.

Schiff’s “parody” has President Trump talking like a mafia don when representing his side of the conversation, in words nowhere close to what the President actually said. Byron York reported last night in the *Washington Examiner* that the first bogus whistleblower is a Democrat who had a professional relationship with one

of the 2020 Democratic candidates for President. The bogus whistleblower claimed that he went to Schiff because the complaint was receiving insufficient attention by the CIA, despite the fact that that agency apparently made a criminal referral to the Justice Department for a possible campaign finance violation. None was found by the Department of Justice (DOJ), as there wasn’t one.

Schiff lied outright that the whistleblower had never been in contact with his office, and the bogus whistleblower never told the Inspector General of the Intelligence Community, Michael Atkinson, about these contacts. Even the *Washington Post* recognized the gravity of this lie, awarding Schiff four “Pinocchio’s” for it. As previously noted by *EIR*, Atkinson is a likely coup participant, having migrated to his present position from the National Security Division of the DOJ, which has been at the center of the coup.

The Long Nose of Schiff

In order to accommodate the hearsay complaint of this bogus whistleblower, Atkinson appears to have revamped the procedures for processing such complaints. Atkinson’s confirmation hearing before the Senate Intelligence Community back in January found Sen. Mark Warner and similar miscreants demanding a promise that “whistleblower” provisions be a major priority if his nomination were to pass. We have previously reported that the bogus whistleblower is a client of a law firm that actively solicits intelligence community whistleblowers against Trump, all expenses paid. Real whistleblowers think the whole thing, including the lawyers, stink.

Cipollone continues:

... In the history of our nation, the House of Representatives has never attempted to launch an impeachment inquiry against the President without a majority of the House taking political accountability for that decision by voting to authorize such a dramatic constitutional step. Here, House leadership claims to have initiated the gravest inter-branch conflict contemplated under our Constitution by means of nothing more than



Center for the Study of Europe

Kurt Volker, former U.S. Special Representative for Ukraine.

a press conference, at which the Speaker of the House simply announced an “official impeachment inquiry.” [Cipollone footnote to “Press Release, Nancy Pelosi Announcing Impeachment Inquiry, Sept. 24, 2019.”] Your contrived process is unprecedented in the history of the nation, and lacks the necessary authorization for a valid impeachment proceeding.

Cipollone provides ample constitutional and case law footnotes in support of this position.

He goes on to document the abuses that have already occurred in these “star chamber” proceedings. Republicans on the Schiff Committee have been denied the right to issue subpoenas for evidence; the proceedings have been conducted in secret, with Democrats leaking cherry-picked portions of testimony to the press; the President is not allowed representation in the proceeding; Republicans on the committee cannot cross-examine witnesses or call witnesses; and there is no mechanism for disclosing or presenting evidence exculpatory to the President, such as the testimony of former U.S. Special Representative for Ukraine, Kurt Volker, testimony widely viewed as

leaving the Democrats’ case in shambles. Further, the Schiff Committee has sent out letters—not subpoenas, letters—informing recipients that failure to respond, often in two days’ time, or an assertion of any privilege, would be considered a criminal obstruction of justice. The Schiff Committee informed State Department Counsel that any assertion of privilege would result in the government salaries of those asserting the privilege being withheld.

Cipollone writes:

The Committee’s assertions on these points amount to nothing more than strong-arm tactics designed to rush proceedings without any regard for due process and the rights of individuals and of the Executive Branch. Threats aimed at intimidating individuals who assert these basic rights are attacks on civil liberties which should profoundly concern all Americans.

Schiff and the Democrats have floated a variety of equally abhorrent schemes in the name of protecting the identity of the so-called whistleblower or whistleblowers. These include having the whistleblowers present testimony in an undisclosed location, in secret, masking them and disguising their voices. The Constitution allows the accused the fundamental right to confront his or her accuser so that whatever story might be told can be impeached. These planned measures violate that due process right. There is rampant speculation in Washington that the reason for this extraordinary gambit is that the actual identity of those making the claims will trace right back to such entities as Fusion GPS, its co-founder Glenn Simpson, and other key figures in the coup itself. The rush to judgment is designed to conceal these origins, inclusive of Schiff’s role as a “fact witness” in how this complaint came to be.

Cipollone ends his letter as follows:

For the foregoing reasons, the President cannot allow your constitutionally illegitimate proceedings to distract him and those in the Executive Branch from their work on behalf of the American people. The President has a country to lead. The American people elected him to do this job, and he remains focused on fulfilling his promises to the American people.

II. The Green Crash Is Near

Mark Carney: The Prince (Charles) of Central Bankers

by Paul Gallagher

Oct. 12—Bank of England chief Mark Carney is the most influential central banker in the world; he has held the most senior positions in global central banking in the shortest period of time; and is probably more responsible than any other figure (except possibly his billionaire partner Michael Bloomberg) for the current rampage of environmentalist assaults on modern industrial society.

As would be expected of a senior servant of the British Crown risen from an Irish-Canadian background, educated at Harvard and Oxford, Carney is also the most arrogant of central bankers, publicly attacking prime ministers, leaders of political campaigns, and other senior Bank of England executives at will. Paraphrasing the title of the book which exposed Enron, he has been anointed “the smartest guy in the room” by the City of London imperial financial center, and he believes it.

Since his speech at the November-December 2015 UN COP21 conference (cradle of “The Paris Accord” on climate change, from which President Donald Trump withdrew the United States), Mark Carney has imposed an anti-industrial direction on the policy of most major central banks in the world, even as their power relative to governments has grown.

Working throughout with Michael Bloomberg’s “Beyond Carbon” war against President Trump and coal, Carney has made investment in fossil fuel-based technologies something that must be “disclosed” by companies to banks and funds, tagged as a high “cli-



Bank of England Governor Mark Carney.

CC/Policy Exchange

mate risk” by those banks and funds, and be prevented. As he told the London *Guardian* in an April 27 article, “If some companies and industries fail to adapt to this new [anti-carbon] world, they will fail to exist.”

So enamored of his own phrase, he repeated it in his UN “Climate Action Summit” [speech](#) Sept. 23: “Firms that align their business models to the transition to a net zero [carbon] world will be rewarded handsomely. Those that fail to adapt will cease to exist.” At what the law firm Latham and Watkins called an “insurance industry event,” on Sept. 22, the firm’s website reports that “Mr. Carney believes that firms that embrace this change will thrive, whereas firms who fail to adapt at



EIRNS/Sylvia Spaniolo

Schiller Institute tells the truth at the annual Bloomberg Global Business Forum, held at the Plaza Hotel in New York City on September 25, 2019. Daniel Burke, LaRouche PAC backed candidate for U.S. Senate from New Jersey, is on the right.

the necessary pace will struggle, or even cease to exist.” The insurance conference was titled, “Insurance, Risk Financing and Development: Driving Public-Private Action for Climate Resilience” and was hosted by the United Nations Development Programme, the German Ministry for Economic Cooperation and Development, Insurance Development Forum, and InsuResilience Global Partnership.

Carney told the Climate Action Summit that all investment, at least all energy-related investment, will have to become green to be permitted—one of “50 shades of green,” as he put it.

We Are ‘Climate Risk’

Thus Carney, the UK’s central banker, is giving orders on *energy technology* to companies and governments all over the world, through other central bankers who follow him and through private banks. If they follow those orders—and Carney said this week at a Tokyo conference they will become *mandatory* “climate risk disclosures” by 2021—the sources of 60% of the world’s energy and power (85% in Africa) will be progressively shut down and replaced by far less powerful, less reliable “renewables”—wind and solar. Electricity use per capita will fall in developing countries, and, as *EIR* has shown, without adequate electricity, tens of millions of people live shorter lives, and tens of millions of children die in childhood.

Confronted on this “eco-fascism” at the UN by LaRouche Political Action Committee backed candidate for U.S. Senate from New Jersey, Daniel Burke, Carney

denied it and hurried away.

The Bank of England head expects to give orders—technological, political, financial—in the UK and worldwide. And he presents the effects of those orders as if they were the effects of “climate change.”

So far out on the “climate emergency” limb has Carney gone, and presumed to use his power to “direct investments appropriately,” that *Politico* on Oct. 24, 2018 published a serious [article](#) about him entitled “Mark Carney, Eco-Warrior.”

Yet, Carney himself shows in his speeches no knowledge of climate science and does not discuss it. Instead, he makes ritual references to “extreme

weather disasters,” which people have blabbed about for centuries, knowing they can be costly to insurance companies, without demanding that banks and investment funds stop them. And he presents the effects of his orders, as if they were the “reality of climate change” which all banks and companies must face up to.

Beginning at COP21 in late 2015, Carney drew 24 other central banks and European private megabanks into a “Task-Force on Climate-Related Financial Disclosure” (TCFD), headed by Bloomberg. The *Politico* article illustrated how the statements by Carney about the TCFD—to the effect that companies would have to disclose climate-related risk—*became a corporate risk*, including in court.

In October 2018 his Bank of England issued regulatory guidance to banks and insurers that they must maintain sufficient capital to cover “climate risks,” and must figure out what that level of capital is, thus making a bank capital requirement out of a fraud. Moreover, companies are now being sued for not “disclosing” (or making up) climate-related financial risk in their financial reports to shareholders; which they must do *because of Carney’s TCFD*.

The British environmental action lawyers’ group ClientEarth, among others, is using that strategy. And an executive of the Christian Aid charity told *Politico*, “Carney is the best champion and messenger we have on that issue because he is actually in the driving seat”—not because he knows anything about climate science. A portfolio manager at Union Investment in Frankfurt added, “The TCFD increases the risk profile of compa-

nies with a high CO₂ footprint. As investors, we have to think what this (TCFD) means for our investments.”

In another example of Carney’s “we are climate risk” thinking, he has claimed that plunging sales of diesel cars in Europe represent climate-related financial risk of automakers. The plunge in sales has actually been created by government bans on driving diesels, strongly opposed by the public.

Genius Not Born, But Appointed

In Mark Carney’s hometown of Ft. Smith, at the southern boundary of Canada’s Northwest Territories at 60 degrees north latitude, it has been colder in 2019 than in any of the past ten years, with a great deal more snow and rain. Its hottest recorded day (103° Fahrenheit) was not a result of any recent global warming; rather, it was in July of 1941. Ft. Smith’s forecast for the second half of October calls for average daily high temperatures at the freezing mark, 32° Fahrenheit. It is sometimes claimed Carney appreciates the environment in part because of Ft. Smith’s natural surroundings, but he is long gone from there.

Mark Carney began his banking career with 13 years at Goldman Sachs (1990-2003) in London and Tokyo, after Harvard and graduate degrees from St. Peters and Nuffield Colleges at Oxford. The latter is closely connected to the UK government and its economics and finance departments. Carney attends the conferences of the Bilderberg Society along with the Bilderberg enthusiast, British Finance Minister George Osborne, who appointed him Bank of England Governor.

At Goldman, Carney was a trader and advisor, even-



George Osborne in 2009.

CC/altogetherfool



C-SPAN2

Sen. Carl Levin reports on the Permanent Subcommittee on Investigations’ 2011 inquiry into Wall Street and the Financial Crisis of 2008.

tually managing director of investment banking. He was in Goldman’s London office in 1997-98, at a time when that bank was giving “two-faced” advice on Russian bonds to clients, in the manner brutally exposed for 2007-08 by Sen. Carl Levin’s Permanent Subcommittee on Investigations; i.e., Goldman was promoting to its clients the Russian government’s short-term bonds which blew out in the “GKO Crisis” of 1998, while selling and avoiding them itself.

From 2004-08 Carney, in an unusual combination, was both Deputy Governor of the Bank of Canada, and Deputy Finance Minister of Canada. In February 2008, Carney, at 41, was appointed Bank of Canada Governor, chosen over a 35-year veteran of the Bank who was considered most likely to get the job. As Bank of Canada head in the financial crisis building up during 2008, Carney immediately made a half-point rate cut and was the first central banker in the G20 with zero interest rates, and in April 2009 publicly committed the Bank to hold rates at the “zero lower bound” for at least a year. The Bank made very large liquidity loans to banks at the same time. All these policies were later copied by other western central banks—though not in China, India or Russia.

The Canadian banks did not undergo a “TARP” capital investment and did not fail; the Canadian economy was the first to recover real GDP and employment to 2008 levels (by 2013); and Carney was lavishly praised in the international media and named Central Bank Governor of the Year in 2012 by *Euromoney* magazine. But, Canada’s “recovery” then stalled out completely.

Real GDP *fell* for two years, 2013-14, and in 2018 it stood just 5% higher than a decade earlier in 2008—meaning it has been in the “European” category of general economic stagnation.

Carney, therefore, was the pioneer of the “zero-interest-rate policy” (ZIRP) central bank regime. At the 2019 Economic Policy Symposium in Jackson Hole, Wyoming, he emphatically admitted this policy had failed, and was failing to create growth or inflation. At that Jackson Hole bankers meeting, this British banker was arrogant and crazy enough to propose replacing the U.S. dollar with a global, digital currency, like the Libra proposed by Facebook but run by central bankers, so as to cure the failures of ZIRP and NIRP (negative-interest-rate policy).

Before his ZIRP could fail in Canada and elsewhere, however, he had been appointed (in 2011) to the additional office of Chair of the Financial Stability Board (FSB) created by the G20 in the wake of the crisis, and already in 2010 Chairman of the Bank for International Settlements (BIS) Committee on the Global Financial System; and in 2012 head of the Bank of England. In implementation of the UN Paris Climate Accord, he led the creation in 2015 of the Task Force on Climate-Related Financial Disclosure (TCFD), which is a body of the FSB, and which now includes 24 central banks and European megabanks (with Wall Street backers JPMorgan Chase and BlackRock LLP).

The central banks of the FSB, headed by Carney, appointed 30 people to form the TCFD, including green billionaire Michael Bloomberg as its chair. This is how some *former* central bankers, now executives at BlackRock LLP, became leaders of TCFD and began the work of “taxonomies,” or classification of companies according to their “climate risk level.” TCFD also included executives from Barclays Bank; HSBC, the City of London; Swiss Re; and Al Gore’s partner David Blood. The stated purpose of this Task Force was “to provide information and to advise investors, lenders and insurers about climate-related risks.”



Andrew Haldane

CC/Niccolò Caranti

Carney and Bloomberg were here already starting a power-grab by central banks. Their mandate does not include advising investors, or any others, about climate. Suppose they had said “political risks” or “terror threats” or “the risk of war”—central banks do not advise or regulate on such matters, until Carney decided they did. From the TCFD came the Green Finance Initiative to generate and support “green bonds.” So now the central banks were also advising on technologies in which to invest or not invest.

In 2012 Carney became a coordinator of the Davos World Economic Forum. In 2012 Osborne appointed him the first

non-Briton Bank of England Governor in its history—raising the Governor’s salary to lure Carney from Canada—so that in effect Carney held four key global central bank positions at the same time. He served two three-year terms as FSB Chair and then was extended for another year, so he is only now in the process of being replaced by Randall Quarles of the Federal Reserve Board of Governors. Carney’s term at the head of the BoE has also been extended a year, into 2020.

Brexit and Glass-Steagall

Again, in becoming Bank of England Governor, as when he was appointed to head the Bank of Canada, Carney was chosen (by fellow Bilderberger Osborne, the Chancellor of the Exchequer) over a veteran executive of the Bank, Andrew Haldane, who was then Executive Director for Financial Stability. As he came in, Carney fought publicly with Haldane over bank capital requirements and over bank separation. Haldane had publicly written in favor of a version of the Glass-Steagall Act, which came very close, in 2012, to passing the House of Lords; and he had called for 10% required bank capital ratios. Carney pronounced that Haldane “lacks a proper understanding of the facts” of regulation of banks.

Then in 2016, Carney was repeatedly interviewed on the BBC attacking Brexit *during the referendum*

campaign and warning it would harm the British economy. He claimed that it was “his duty to speak up” against Brexit although it was definitely not his job or his duty. He repeatedly and explicitly stated that a vote to leave the EU would cause a recession in the UK. This effectively made him a “Remain” campaigner, and the forecast was wrong. According to him, as reported in the London *Spectator* Oct. 22, 2016, it proved wrong because of the rate cut which *he* made, back to ZIRP, right after Brexit passed.

Carney also publicly attacked British Prime Minister Theresa May when she suggested his years-long “super low” interest rates had helped people with assets, while “People without them suffered. . . . People with savings have found themselves poorer.” Carney’s response: “The policies are done by technocrats. We are not going to take instruction on our policies from the political side.” He would give political direction, not take it.

The Eco-Warrior’s Guides

As noted, Mark Carney doesn’t speak coherently or appear to have much knowledge, goal-seeking or otherwise, about climate science or climate change. His “50 shades of green” comment shows he tends to regard it all as a certain kind of movie. But he has guides, who may know no more, but do consider themselves experts, who tell him about this “reality” he constantly invokes. The [speech](#) that he gave just before the Paris Climate Accord, on Sept. 29, 2015 at Lloyds Bank in London, had the weird title, “Breaking the Tragedy of the Horizon—Climate Change and Financial Stability.”

Three years later he used that phrase to praise Prince Charles in a speech at St. James Palace in November 2018: “His Royal Highness has provided inspirational leadership on these critical issues for decades. Indeed, if we had heeded his advice when it was first offered, we might have already solved the Tragedy of the Hori-



Mark and Diana Carney at the G20 Summit in Buenos Aires, Argentina, November 28, 2018.

zon” (reported in the *Daily Mail* Nov. 21, 2018). This speech was advertised on the Bank of England site as the “Accounting for Sustainability Forum,” but it was actually for Prince Charles’ 70th birthday. The London *Telegraph* reported that as soon as late 2013 the new Bank of England Governor—frankly called by the paper “the most powerful man in the financial world”—was called to Clarendon House by the Prince to be told “his concerns.” This was the first of a series of meetings.

The *Telegraph* added, “It’s a shame that the Canadian’s wife, Diana, did not accompany him. She shares the Prince’s environmental concerns.” And here may be the other source of Mark Car-

ney’s “eco-war.”

Diana Fox Carney is a British economist and “climate-change” activist. She is on the Board of Ambassadors and the Board of Directors of WWF-UK (WWF is the current moniker of the World Wildlife Fund launched decades ago by Thomas Huxley, Prince Philip and Nazi SS member Prince Bernhard). She also serves on the boards of the Shell Foundation, the “sustainable energy foundation” called Ashden, Friends of the Royal Academy, etc. She is executive director of the investment bank, Pi Capital Partners.

Immediately before COP21 and the Paris Accord, and before her husband’s speech there, Diana Fox Carney co-authored a report in November 2015 on the same subject—“financial climate risk”—published by the London Institute for Public Policy Research (IPPR). Her co-author was one Joss Garman, of Greenpeace UK, European Climate Foundation-UK, and The Syria Campaign—formed to support the White Helmets. The report was titled “Known Unknowns: The Hidden Threats that Climate Risks Pose to British Prosperity.” This [report](#) was updated after COP21, in a “2nd Edition” published March 2016 by IPPR.

Section 3 of the report, Conclusions and Recommendations, states its authors’—and the TCFD’s—objective exactly:

Ensure financial decision-makers have the information they need in order to account for climate risks; ensure asset managers do not ignore these risks in their decision-making; to reduce the overall level of the risk that most businesses face as a consequence of climate change.

The fact that nearly every one of the 20-plus sections of this report is on some aspect of “the economic risks of climate change,” suggests that Diana Fox Carney was, in fact, initiating the Task Force on Climate-Related Financial Disclosure along with her husband. *Politico*’s “Mark Carney: Eco-Warrior” quoted one person who has known Carney for a decade saying, “His wife’s powerful influence has shaped Carney’s thinking on the matter.”

Financial Crisis Hitting: Fed Is Pushed Back to Bailouts

The set of unmistakable signs that a new financial crisis is underway, is the real reason that central bankers led by Mark Carney—and the Wall Street and London bankers—are trying to force into being a “green finance” regime in which “green energy” investments are heavily subsidized by government taxes and spending, and fossil fuel investments written off. That new global profit flow, they hope, might get the big U.S. and European banks through another 2008 or worse.

Speaking to the *The Guardian* newspaper on Oct. 14, Carney seemed to be raising a possible financial crash himself, one managed by him and other central bankers:

Just like in any other major structural change, those banks overexposed to the sunset sectors will suffer accordingly. Some [assets] will go up, many will go down. The question is whether the transition is smooth or is it something that is delayed and then happens very abruptly. That is an open question. The longer the adjustment is de-

layed in the real economy, the greater the risk that there is a sharp adjustment.

The shocks felt in the Wall Street “repo” market for overnight bank loans, which erupted September 16, have not just persisted for weeks instead of days. They have pushed the Federal Reserve into launching emergency injections of short-term cash liquidity into the banking system, and then into extending these injections, multiplying them, and extending them again; and now, on October 12, announcing a full-blown new “quantitative easing” (QE) program of buying securities from those banks.

It shouldn’t be missed that at the same time, the IMF proposed that nations worldwide impose “carbon taxes” in the super-heavy range of \$50-75/ton. This would be a death sentence for coal, and even more subsidies for wind and solar.

The acceleration in the banking system’s emergency liquidity has progressed at an amazingly fast rate. On October 1, Fed sources were intimating to the financial media a November start to QE. Then on October 9, Fed chair Jerome Powell, in a speech in Denver, said a new program of bond purchases would begin “soon.” On Friday, October 11, after a couple of days of having to make \$80-90 billion/day in short-term “repo” loans to the primary dealer banks, the Fed reported that the new money-printing would start October 15, the following Tuesday! This was not exactly how Carney’s much-imitated invention, “central bank forward guidance,” is supposed to work.

It looked a lot like panic, with the Fed pushed into one bailout extension and expansion after another. The size of this “QE4,” \$60 billion/month, was larger than any since QE1 was launched in the midst of mass layoffs, foreclosures, and bankruptcies in November 2008.

The buying of securities from banks will continue at least into the second quarter of 2020. Meanwhile, overnight and two-week emergency liquidity loans by the Fed will continue—just as in the period from the spring of 2007 until the summer of 2008, as the global financial crisis deepened leading to the bank panic of September 2008. That future once again lies ahead now, without a rapid move by President Trump and Congress to break up the Wall Street megabanks and protect commercial deposit-and-loan banking, by restoring the Glass-Steagall Act.

The System Is Collapsing: This Is a Cause for Optimism

This is the edited transcript of the Schiller Institute's October 11, 2019 New Paradigm interview with the founder of the Schiller Institutes, Helga Zepp-LaRouche, by Harley Schlanger. A [video](#) of the webcast is available.

Harley Schlanger: Hello, I'm Harley Schlanger from the Schiller Institute. Welcome to our webcast with our founder and chairwoman Helga Zepp-LaRouche. It's October 11, 2019.

And as we're coming to you today, we're seeing the collapse of the system: It's unfolding rapidly, it's leaving its mark on politics, on economics, on everything, even though it's not in the media.

I think to start with we should comment on this fairly extraordinary press conference given by Donald Trump on October 9, where he addressed the question of why he's for ending the never-ending wars. Helga, what were your thoughts when you saw this press conference with President Trump?

Helga Zepp-LaRouche: I'm very happy, and I think we should really encourage all our viewers to watch this [video clip](#) yourselves, because the Western media are not going to report it; they have not yet done it, and they may never do it. As a matter of fact, they're completely distorting it. What Trump did in this press conference, makes him a top candidate for the next Nobel Peace Prize. The Ethiopian Prime Minister, Abiy Ahmed, correctly and justifiably got the Nobel Peace Prize for 2019, which had been given to many unworthy people in the past.

But what Trump said is historic. He is reversing the 50-years of paradigm shift that we have talked about many times, which followed the assassination of John F. Kennedy and led the United States down the path of Anglo-American unipolar world rule. This has gone back

and forth with different presidents, but Trump is reversing it. He's bringing the United States back in the direction of what the United States was intended for, with the U.S. Constitution and the Declaration of Independence. I know that many of our viewers will have a hard time breathing, up to a hyperventilation, when I say this, but please, listen to this speech yourself.

First Sitting President to Denounce the MIC

Trump referred to Eisenhower; he said we have to end these endless wars, and this has all been done by the



White House/Shealah Craighead

President Trump signs Executive Orders on Transparency in Federal Guidance and Enforcement, on Wednesday, October 9, 2019.

military-industrial complex (MIC), about which Eisenhower warned at the end of his second term. And they're making a lot of money by fighting these wars, but we have to end it. He said, these wars, \$8 trillion, cost many American lives, but millions of lives on the other side. We went there with the pretext of supposed weapons of mass destruction and they did not exist, there were none, and now we have to bring our soldiers back.

At the end of Trump's remarks, he went into a very moving personal observation, and I believe him. With politicians, you always have to ask yourself, are they



DoD/Ronald Balik

Remains of four members of the Indiana National Guard 713th Combat Engineering Company, killed in January 2012 by an IED in Afghanistan, being transported to Dover AFB.

making a show for some purpose? But I think there was something coming out of Trump that should be heard by people around the world. He said that the hardest thing for him to do as President happens when dead soldiers come back in a coffin. The parents at first seem to be OK, but when they see the flag-draped coffin with their son or daughter, many of them break down crying. He said this is the hardest thing he had to do and it has to stop.

Now, I think this is world-historic. If he can carry through with this, and I think after this press conference, he has set a path, which is an historic game-changer of the highest strategic importance. The people who are now attacking the United States for pulling out of Syria, they are the real imperialists. So you can see, the mainstream media, and many politicians around Europe are hysterical about that. In the United States, the neo-cons and the Democrats are howling. I can only say this is absolutely an historic step, and deserves full support.

Schlanger: There are two things that struck me about this, that I think are important: One, is people who are saying the Trump decision to withdraw is going to destabilize the region. What destabilized the region were the wars that were launched, under the British imperial geopolitics that the opponents of Trump support! So there's a high level of hypocrisy there. But, I think the other thing, Helga, that you're alluding to, is that what emerged

from President Trump, watching him, is a personality who actually cares. Unlike the caricature of Trump put forward by his opponents in the impeachment crowd, he really expressed a sense of caring about the lives of people and the difference that governments can make.

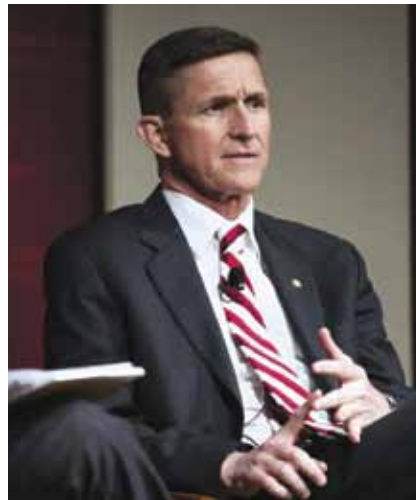
Now, as you said, we've got to see if he can carry it through. There are discussions under way from Russia's Foreign Minister Sergey Lavrov and others. The Russians are very much involved. What should the next step be for the United States?

Peace Through Economic Development

Zepp-LaRouche: I think the U.S. should work with Russia. Lavrov just made an extremely important comment, by saying that this was the policy of Bush and Obama, and that Russia warned the United States' previous administrations many times not to play the "Kurdish card" against the Arabs. A lot of things may come out now, because remember that it was Army Lieutenant General Michael Flynn, who in 2012 went to Obama and warned him against this policy of de facto supporting ISIS and so forth.

So this is all very, very interesting, and as you said, the region is not destabilized by the U.S. pullout, but follow-up has to be done. It has to include close cooperation between the United States and Russia. Lavrov has already said that what needs now to be activated is the Astana process. Turkey has to talk to the Syrian government, and there has to be a diplomatic solution involving all parties in the region: Iran, Turkey, Saudi Arabia, and the Syrian government; along with the big neighbors: Russia, China, India; and also, the United States.

Take this region as a whole, and start to put in development, which only will be possible by the extension of the Belt and Road Initiative—China is committed to playing a key role in the reconstruction of Syria. This has the potential of turning an almost hopeless region, in the very near future, into a region of development and prosperity. And then the climate for recruitment of terrorism will change, it will dry out. One of the major reasons why these terrorist groups were able to recruit is because of the extreme level of poverty and no perspective. Therefore, if you now put in economic develop-



Institute of Politics/Kristyn Ulanday

Lt. Gen. Michael Flynn

ment, this can all change for the better in a relatively short period of time. It will not solve all problems overnight, but it will change the directionality. Rebuild Afghanistan, bring in development. That will improve the situation for the women! Many things will be affected, provided a New Silk Road is extended into this region.

LaRouche's Exoneration

Schlanger: I think bringing in this bigger picture, brings out the really important role that your husband, Lyndon LaRouche played over the years, presenting alternatives to the British geopolitical doctrine, including precisely this kind of great power arrangement, a Russia-China-United States discussion process. Doesn't this really show why Lyn was thrown in prison? Because he was talking about this in the '70s and '80s.

Zepp-LaRouche: This is now the moment to escalate the campaign for the exoneration of Lyndon LaRouche. It's a very opportune moment. A new world economic order is emerging with the Belt and Road Initiative, the perspective of cooperation between Trump and Russia, and hopefully, Trump and China, is exactly what Lyndon LaRouche's vision was: that the United States return to becoming a republic again. This is what he was working for—my husband worked for at least 50 years, if not more, to bring the United States back to the cause for which it was intended by the Founding Fathers.

However, his exoneration right now, is, in my view, the absolutely necessary ingredient to make this policy work. Because, the other major change that is going on is that the financial system is finished! We are in the middle of a financial collapse: This collapse is now coming. I think there are absolutely hectic moves by the Federal Reserve, by the central banks in general, to try to somehow find a way to save themselves.

The Financial System Is Collapsing

But I think we are in an acute crisis, and even if the media is not telling you anything about it, all the signs indicate that we are in a much deeper crisis than in 1998, when the Federal Reserve called on the 16 largest financial institutions to bail out LTCM (Long Term Capital Management), which bankruptcy and dissolution was a systemic threat to the global financial system at that time. We are now in a situation almost exactly



like that of 2007-2008, when the Lehman Brothers crisis caused the foundations of the whole system to shake. Since the central banks have done absolutely nothing since then, other than quantitative easing, money printing, and bailouts, we are now at a point where all the signs are that there are nothing but panicked moves, because the suspicion is that at least one, if not more, of the very big banks, and maybe some insurance companies, are on the verge of disintegrating and bringing down the whole system.

So, the [Four Laws](#) of my husband—immediate Glass-Steagall; go back to national banking; a credit system; a crash program for the increase of the productivity of the economy through fusion and space cooperation; plus a New Bretton Woods. These are the absolutely necessary remedies at this point. And they go hand-in-hand with the exoneration because I don't think otherwise people can think straight: So, I'm calling on you, in this moment of crisis to come and act with us.

Schlanger: Sticking with the financial collapse for a moment, since September 17, the Federal Reserve has been pumping an enormous amount of liquidity into the system, which was supposed to have stopped at the beginning of October, but has now been extended into mid-November. When this process began, it was reported that there would be a \$75 billion limit, and yet, yesterday, the figure was \$88 billion. So, Helga, I think this does show that the desperation you mentioned is there.

One of the key people involved in this is Mark Carney, the Governor of the Bank of England. What is his role? What is he doing to try to contain this collapse, and to build up new bubbles?

Mark Carney and his Green Financing Scam

Zepp-LaRouche: My educated guess would be that *Mark Carney is the key opponent of President Trump*. Because the plan of Mark Carney, and the other central bankers, is very clear: After the Paris Climate Agreement in 2015, they set up mechanisms to divert all financial investments into so-called “green financing.” The whole CO₂ debate is really a way of making sure that no investments, no credits are channeled to the real economy, but that everything goes into the speculative bubble of CO₂ emission trading and similar things.

This group of bankers and speculators set up an assault! It became very clear at the Jackson Hole 2019 Economic Policy Symposium, August 22-24. At this annual meeting of the central bankers and key players in the finance system, Mark Carney called for regime change. You could say, implicitly, he meant regime change against President Trump, the coup being in line with the House of Lords [report](#), “UK Foreign Policy in a Shifting World Order,” that a second Trump administration cannot be allowed under any circumstances, in the interest of the Anglo-American “special relationship.”

But Carney also means to replace the dollar with a global digital internet currency. In Tokyo at another conference, together with Michael Bloomberg, Carney said that the key corporations will have to deliberately reduce their CO₂ emissions, and if they don’t do that, the central banks will make rules that will force them to do so.

Now, this is a declaration of war: Because in 2008 it was still the savings and loans banks that provided credit to smaller firms, to the medium and small industries, the *Mittelstand*, and that way they survived. But if you were now to have rules—like those that Ursula von der Leyen, in her capacity as the new President of the EU Commission, said she would implement—if you have that, we will have an eco-fascist dictatorship. Such an unelected regime would eliminate industry, it is really what this “Greta” business is all about, because Greta Thunberg is a poor girl whom they’re using, but the whole climate hysteria-mongering is really a pre-



UN/Mark Garten

Celebrating the adoption of the Paris Agreement on climate change on December 12, 2015. Left to right: Christina Figueres, UNFCCC Executive Secretary; Ban Ki-moon, UN Secretary-General; Laurent Fabius, Minister for Foreign Affairs of France and President of COP21; and François Hollande, President of France.

text to channel capital in the direction of “green investments,” and that means population reduction. There is no way to go out of coal, out of gas—and they don’t want nuclear, also—without causing billions of people to die. And that is a very serious matter.

So, this is why they’re so freaked out against President Trump. He pulled the United States out of the Paris Accord. This was obviously not supposed to ever happen; President Obama was absolutely in their pocket, and then in comes Trump who pulls out of the Paris Accord.

I think with what he just announced about pulling the U.S. military out of Syria, we can see that President Trump has the potential to act in the middle of the financial crisis, in a quite different way than that demanded by these central banks. He’s in a war with the Federal Reserve now. The corporate media is complaining that he’s attacking the independence of the Federal Reserve. He may not always be right all the time, but he does have the potential, in a crisis like this to implement Glass-Steagall, to go back to constitutional control of a credit system.

It will not necessarily happen automatically. That is why I’m calling on you, our viewers, to work with us, to help us to bring in LaRouche’s Four Laws internationally—not just in the United States, but internationally. Only if we have a global Glass-Steagall, as an absolute precondition, will we be able to reorganize the financial system to become a credit system, a New Bret-

ton Woods system as Lyndon LaRouche has defined it many times. Only then will we have a chance to get out of this crisis. And that requires an international mobilization. It also demonstrates that our organization, in a moment like this, is the most important ingredient to make this work, and therefore also help with the exoneration of Lyn. Because people have to study his works. They have to look at the physical economy method of his thinking, to do this right.

I'm actually quite optimistic that this can be done. Big changes are happening, and sometimes, you need a huge crisis to get rid of something very evil, like the present monetary system.

Is the Pope Christian?

Schlanger: It certainly seems that this issue of population reduction is becoming more evident, the idea that more people must die more quickly. We're seeing this emerge in all kinds of discussions, and one of the most shocking—maybe it's not so shocking to people who have been following this—is this synod of Bishops on climate that's going on at the Vatican. What can you tell us about that?

Zepp-LaRouche: That's really an incredible thing: I think the Catholic Church, with this Pope, is really abandoning Christianity. In this synod on the Amazon, they openly talked about "Mother Earth"—don't they know that the emergence of Jesus Christ and Christianity was an absolute war against these kinds of pre-Christian cults, like the Gaia cult, which is the greenie idea of a cyclical world outlook. Christianity was the overcoming of that idea of cyclical concept of the cosmos and nature, and so forth. This is really bad! Concerning the normal catalogue of sins, Pope Francis has added ecological sins, making them real sins! This is completely unbelievable.

Unfortunately, the Protestant churches are no better. They're equally green. And I really think this is a crisis. This whole thing has confirmed what a close friend we had many years ago in the Curia, who unfortunately is no longer alive, told us. This was long before the sex scandals of the Church erupted. He told us that he was deeply concerned that the Church may not continue to exist after 2,000 years. I think adding ecological sins to the confessional is, in one sense, a synonym for a lot of

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FAITH VATICAN DISPATCH

As Amazon Synod begins, Pope Francis looks to proceed with a 'pastoral heart'

Gerard O'Connell
October 07, 2019



Pope Francis participates in a prayer service in St. Peter's Basilica at the start of the first session of the

things that are going on. Because, with the Church going green like that, this means *they may not continue to exist*. We're in a time right now, when all the institutions we had thought would be here forever, are crumbling, because the system is crumbling.

And what this requires, is a serious discussion among adults, among well-meaning people around the world. What should the international order be in which mankind can provide itself with an enduring, long-term sustainability for all of us on the planet? How can we as a human species, give ourselves a set of international relations and principles that will allow us to exist for the next millions of years, and not just the next 18 months or so?

I think this problem in the Church is really worrisome, and I know that there is a lot of opposition within the Church, as there is a lot of opposition in the central banks. For example, Sabine Lautenschläger, the German board member of the European Central Bank, just resigned, amid reports that she disagreed with this money-pumping.



CC/Boris Streubel

Sabine Lautenschläger

So we are in an absolutely tumultuous change of an epoch, and I want to invite people to really give some thought as to what the new epoch should be like. We have discussed many things about it, and especially the writings of Lyndon LaRouche are absolutely required—”must” reading for the answer to that question.

Schlanger: And I think this Vatican synod conforms to what was warned by—I believe it was Lavrov—that the West is entering a “post-Christian” era. But, while the elites may be going that way, I still think there are many, many people who are Catholics who reject this, and need to take to the streets now, take this fight out on the question of the real nature of man.

Whither U.S.-China Trade Talks?

Now, one other aspect of this fight is the discussion that’s now going on in Washington. The Chinese delegation is now coming in. There’ll be talks on pursuing a trade agreement. What do you know about that, Helga?

Zepp-LaRouche: One can only hope that it will go well. Vice Premier Liu He is leading a very large delegation of Chinese leaders of the Commerce Ministry and similar institutions. Trump initially said that he thinks there is a good perspective.

I really hope that the talks will lead to a resumption of a good relationship between the United States and China. I can only hope—because I don’t have any inside knowledge at this point. There are lots of things

going on that threaten success in these talks: the Hong Kong color revolution; the continued circulation of lies on Xinjiang; the weapons to Taiwan; the destabilizations in the South China Sea. So, I think if they come to some kind of an agreement, and at least prevent any further escalation of the tariffs, that will be a good thing.

I can only repeat what I’ve said many times: The United States and Europe can only profit from cooperating with the Belt and Road Initiative. Just look at what China is doing—I’m so excited: I’ve traveled several times on maglev trains already, both in the test run in Emsland in Germany, but also between Pudong and Shanghai. Maglev is an incredible technology, because it has the character that it accelerates very quickly, from zero to full speed, but without the kind of pushback you get when you push hard on the gas pedal in a car.

Right now, the Chinese are building a maglev line between Wuhan and Guangzhou: This is to be 1,000 km long. The speed at which the maglev train will attain on this line will be 600 km/h; however, the same train is being designed to go up to 1,000 km/h. At 600 km/h, travel time from Guangzhou to Wuhan will be reduced from ten to two hours!



Transrapid International

The Emsland Transrapid Test Facility between Dörpen and Lathen, Germany, in operation between 1984 and 2006 to test magnetic levitation train technologies.

These are all things that would be of incredible benefit for Germany. Putting more cargo and passengers on trains, rather than airplane flights, is an idea we have demanded for decades. It just doesn’t make sense to go by plane for such short distances. Just improving the old ICE, the German high-speed rail, is a plan with-



CC/Laika ac

Cranes at the Port of Rajin in North Korea's Rason Special Economic Zone.

out vision. We need maglev trains, much like what China is doing—fast maglev trains for inter-city traffic, and for urban traffic the so-called slow maglev, which goes 160 km/h, perfect for inner-city traffic. It reduces the travel time enormously. The United States could use such a network of inter-city and urban maglev lines.

I can only hope that some of these ideas are being discussed, and hopefully, this will happen.

Proposal to Develop North Korea's Port at Rason

Schlanger: On this “track,” there was a very interesting proposal made by Dr. Lyle Goldstein, Associate Professor at the China Maritime Studies Institute at the U.S. Naval War College, for the U.S. to join with Russia and China in developing a port in North Korea. This seems to be the right direction for these discussions to go.

Zepp-LaRouche: Yes. I think this is the right moment, and Professor Goldstein references the fact that Trump's firing of National Security Advisor John Bolton makes it absolutely possible for Trump to now make such an approach. Goldstein points out that the northeast port in Rason in North Korea—which is already connected to China through a modern road from Jilin Province, and through a rail connection to Vladivostok in Russia, connecting it to the Trans-Siberian Railway—is the environment in which the Belt and

Road Initiative cooperation can create a solution for North Korea, and that the United States should contribute to it.

Trump at various occasions has said that the United States will help to make North Korea a rich country. This is now a moment to really go in this direction. And you know, with this development approach, you can solve any problem on the planet: That's very much in reach now, and I think we should go in this direction.

Schlanger: We've covered a lot in this discussion, because there's so much going on, but I think one of the most important things is that you emphasized your optimism at this moment. It seems that one of the major problems we have is the pessimism of a lot of good people, who have bought into the line that nothing that can be done. This is one of the reasons, I believe, why you keep emphasizing the importance of Lyn's exoneration. Would you take a last moment here to explain why it's necessary for people to be optimistic in approaching their lives?

Why I Am Optimistic

Zepp-LaRouche: As I have stated in the past, the reason why this whole “Greta,” FridaysForFuture, Extinction Rebellion urgent call for panic, is so bad, is because it not only creates panic, but also horrible cultural pessimism. Asserting that the world is ending in 18 months, as Prince Charles says, or 12 years as Alexandria Ocasio-Cortez has said, is scientifically absurd.

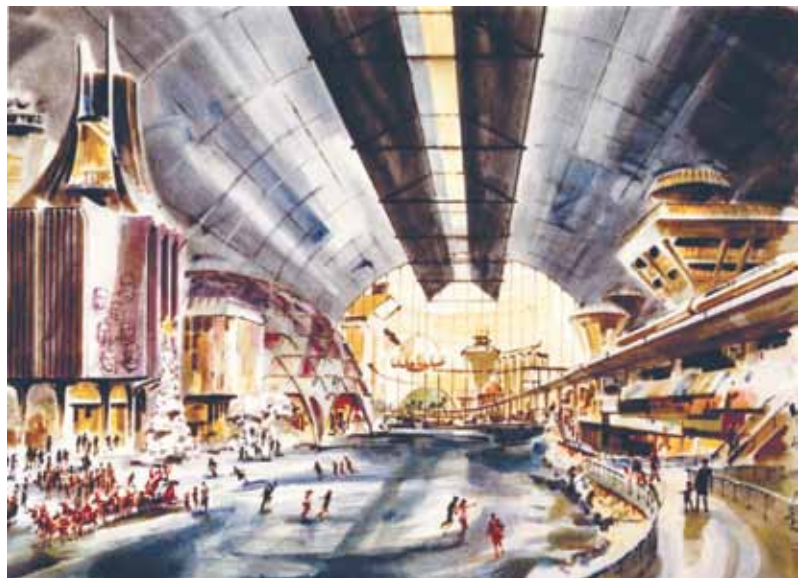
This will not be the case. But it has a terrible effect on people. There's now a growing mental health problem of eco-depression, eco-psychology—this is really disturbing people. The German daily *Frankfurter Allgemeine Zeitung* had a terrible editorial, “*Prima Klima, ohne Kinder*”—“Fantastic Climate without Children,” which says that every additional child born is a burden, and so children should not be born. It goes so far as to say that old people should commit suicide to keep the climate in shape! This is what this leads to! This leads to a form of insanity. Many years ago I wrote an article saying that cultural pessimism is a form of mental disease. And I really think that that's the case.

Instead, let us look at people who have put forward optimistic visions about the future of humanity—space pioneers such as Hermann Oberth, Robert Goddard, Krafft Ehrlicke, and my husband, who all had the idea that mankind is in the very early phase of our development; the colonization of the Moon, and then Mars, are just the first steps. Once we have fusion as propulsion for interstellar flight, we will be able to envision future generations—maybe a century or two away, but in the conceivable future—that will expand in the Solar System. We will have a presence in the galaxy beyond Earth, and who knows, maybe beyond our galaxy. We will populate the universe as we populated Earth. The idea that you have Earth-like conditions on exo-planets, that you can create conditions for large cities on Mars, with large cupolas under which you can create conditions like on Earth—all of these things, while they may not be possible tomorrow, inspire people. I was so fascinated to re-read that it was Jules Verne who inspired all the space pioneers in Russia, in Germany, in the United States. You can say that his *From the Earth to the Moon* was only a novel, but many of the things he presented came true.

Many who have made significant contributions to space travel, began their careers reading Jules Verne in their youth. At the top is Krafft Ehrlicke. In the center is “Christmas in Selenopolis,” Ehrlicke’s vision of a city on the Moon. Below is the novelist Jules Verne.



EIRNS/Stuart Lewis, 1981



Painting by Krafft Ehrlicke



Photo by Gaspard-Félix Tournachon (Nadar), 1878

So I think it is important to look at the stars and be optimistic about the limitless ability of man to improve, both intellectually and morally. That is our nature, and therefore, we have every reason to be optimistic.

Schlanger: Thank you again, Helga, for giving us a super-dose of optimism, and we'll see you next week.

Zepp-LaRouche: Yes, till next week.

C40 Mayors' Summit Calls for an Eco-Fascist Global Green New Deal

by Michelle Rasmussen, from Copenhagen

Oct. 14—Driven by green billionaire Michael Bloomberg and the trainer and inciter of angry children, Al Gore, 80 mayors from around the world met in Copenhagen, Denmark, October 9-12 and presumptuously declared a global “climate emergency,” calling for a “Global Green New Deal.” The meeting, the C40 World Mayors Summit, demanded a reduction by half of CO₂ emissions worldwide—which will necessitate mass shutdowns of fuel and energy companies and drastic reductions in what is now 60% of global energy and electricity production.

“Their call came in response to intergovernmental action being blocked by a minority of very powerful, science-denying governments, representing the interests of the fossil-fuel industry,” stated the C40 press release, continuing Bloomberg’s three years of attacks on the Trump Administration. The mayors called for cities to be in the vanguard of the drive for what the LaRouche movement and others have called “eco-fascism,” because leading national governments—with the U.S. at the top of the list—have refused to join the lemmings going over the cliff, including at the recently held UN Climate Action Summit in New York City on September 23, 2019. Twelve of the C40’s 94 member cities are in the United States, and the new chairman is the Democrat, Eric Garcetti, Mayor of Los Angeles, California.

The big guns of the CO₂ emission-reduction lobby were sounded in Copenhagen (except for poor poster-child Greta Thunberg, on tour in North America). The keynote speakers were Michael Bloomberg, the former mayor of New York City, a driving force in the C40 and

climate change lobby (see below); former U.S. Vice President Al Gore; and U.S. Congresswoman Alexandria Ocasio-Cortez (D-NY). In addition, UN Secretary-General António Guterres and Danish Prime Minister Mette Frederiksen spoke.

Al Gore claimed to have trained 25,000 climate activists to give climate emergency presentations. The furious Greta Thunberg tweeted last December that she was “honored” to have met with this “pioneer.” His harangue



C40CitiesLive

Former Vice President Al Gore presented lots of apocalyptic climate change scenarios, all debunked by EIR, at the C40 World Mayors Summit in Copenhagen on October 10, 2019.

in Copenhagen showed his method: The former Vice President, once so wooden and emotionless that he was cartooned in the United States as “the cigar-store Indian,” now ranted, shouted, growled, grimaced, and paced the stage waving his arms for half an hour in a clearly affected fit of anger. Gore threw out apocalyptic climate change scenarios, all of which have been debunked in [EIR’s special report](#) “‘CO₂ Reduction’ Is a Mass Murder Policy: Designed by Wall Street and the City of London.” He stated that that he wanted to “recruit” the mayors to summon the political will needed to push through his agenda.

On the other hand, the *EIR* report was personally handed to the C40 outgoing and incoming chairs, and several other mayors and deputy mayors just after the opening press conference.

Alexandria Ocasio-Cortez (AOC), still smarting from her encounter with LaRouche PAC's Jonathan Swift-style satire "Eat the Babies" intervention during a New York City town hall meeting, was most emotional when she spoke of herself as, "A woman whose dreams of motherhood now taste bittersweet, because of what I know about our children's future." She also claimed that Hurricane Maria, the storm two years ago which killed over 3,000 Puerto Ricans, including her grandfather in the aftermath, was a "climate change-powered storm." The C40 mayors are now committed to a global version of her Green New Deal.

The Danish royal house also extended a royal stamp of approval, in that the Crown Prince and Princess hosted a dinner for the summit VIPs, despite Queen Margrethe II's recent criticism of the Swedish Greta Thunberg's climate "panic" reaction, during an interview with the Swedish newspaper *Expressen*.

The Green New Deal

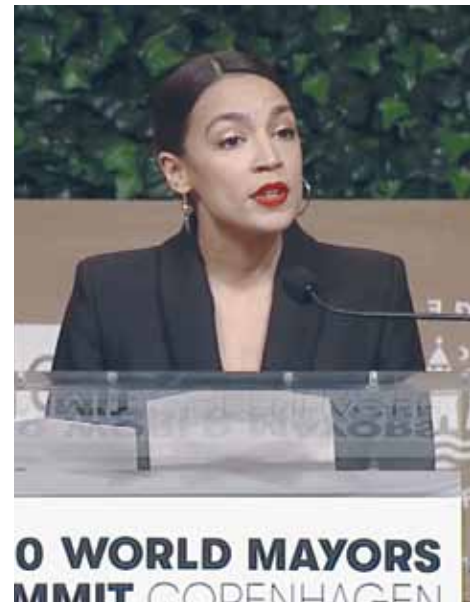
The C40 mayors, representing 94 cities, claimed that to meet their declared global climate emergency, and keep the global temperature from rising more than the 1.5 degrees Centigrade limit of the Paris Agreement, they were:

committed to putting inclusive climate action at the center of all urban decision-making, to create thriving and equitable communities for everyone. . . . We will drive an urgent, fundamental and irreversible transfer of global resources away from fossil fuels and into action that averts the climate emergency, thereby building a green and fair ecological civilization.

In their promise to work closely with young people, the C40 essentially endorsed the British street-blocking



C40CitiesLive



C40CitiesLive

Al Gore and U.S. freshman Congresswoman AOC talk trash at the C40 World Mayors Summit.

and airport-shutting civil disobedience operation of the so-called Extinction Rebellion. The outgoing C40 chairman, Mayor of Paris Anne Hidalgo Aleu, said in an October 8 press release:

We are facing a climate emergency, and a growing number of people around the world, particularly young people, are treating it as such. Just last month 7.6 million climate protesters took to the streets of the world's cities for one of the largest global protests, on any topic, ever. This week, Extinction Rebellion is building on that momentum with peaceful protest and nonviolent action. Time is running out, and we need action at an unprecedented scale. We are facing threats of climate breakdown—the response that we're seeing from Extinction Rebellion and young climate strikers around the globe should come as no surprise. We share their concern for the future of humanity, and we must push forward with courage and ambition to change the status quo that has generated this crisis.

As part of, and augmenting, the mass climate change hysteria overtaking many young people during the past year, there was a special emphasis on youth participation at this year's summit. During the opening press conference, Jamie Margolin, age 17, founder and Co-Executive Director of Zero Hour (USA), said:

What we need worldwide is more than sustainability, because we cannot sustain the destruction we are causing to the earth, or the capitalism making our leaders dizzy with fantasies of endless economic growth that is simply not possible on our Earth. We need the era of the Green New Deal, and it's coming globally.

This was an almost exact repetition of Greta's attack at the UN Climate Summit on the "fairy tales of eternal economic growth."

Yet, who gives them the right to extinguish the hopes of millions of other young people, especially in the poor countries of the world, by denying them the very economic growth that forms the basis for our civilization to sustain more people, and each of them with a higher standard of living? Lyndon LaRouche's science of physical economy makes this knowable and ever more possible. It is precisely by nourishing the cognitive ability of young people to discover new scientific principles and new technologies, which will lead to economic growth, rather than turning them against it, which will do nothing other than to lead to a new dark age.

In fact, Danish scientist Henrik Svensmark and his associates at Denmark's Technical University's National Space Institute (DTU Space) have been discovering the scientific principles relating to the connections between solar activity, galactic rays from supernovae, cloud formation, and the Earth's temperature. This research has contributed to the understanding of many scientists who disagree with the climate-change lobby, because they believe that natural phenomena affect our climate much more than human activity, in the form of CO₂ emissions.

Michael Bloomberg: Financier for Climate Hysteria

C40 was founded in 2005 by Ken Livingstone, then the Mayor of London. Its current President is billionaire



Billionaire Michael Bloomberg talks trash at the C40 World Mayors Summit.

c40summit2019

Michael Bloomberg, the former Mayor of New York City. Bloomberg Philanthropies is also one of the three strategic funders of C40. In 2011, he founded the "Beyond Coal" campaign, with the goal of shutting down at least one-third of U.S. coal plants. In June 2019, he founded, and chairs, the "Beyond Carbon" organization, to further push his anti-energy campaign.

In addition to his own anti-coal and anti-carbon campaigns, which have raised \$1 trillion to threaten and lure local and state governments to get in line, Bloomberg is the UN Secretary General's Special Envoy for Climate Action. He is also in the forefront of climate "risk disclosure." He is, and remains, Governor of the Bank of England

Mark Carney's founding chairman for the Task Force on Climate-Related Financial Disclosures, a hit squad established in 2015 by the Financial Stability Board (FSB), when Carney was FSB chairman, aimed against targeted corporations.

As *EIR* has exposed, the financiers want to get their fingers on the Green New Deal financing to hold their financial bubbles in the air a little bit longer, before they burst.

Simultaneous with the closing mayor and youth activist demonstration in front of Copenhagen City Hall, a Schiller Institute delegation brought the campaign against eco-fascism, and for Lyndon LaRouche's exoneration, to the Danish parliament, during its yearly open house. They personally spoke to government ministers and parliamentarians from all but one of the current 12 parties in the Folketing, the Danish parliament, and distributed their latest newsletter, "The Financial World Wants to Save Itself with Eco-Fascism," and Danish- and English-language material calling for LaRouche's exoneration.

Information for this article was contributed by Marcia Merry Baker.

III. The Next Physical-Economic Platforms

October 1983

The 'NASA' Principle': The 'Crash Program'

by Lyndon H. LaRouche, Jr.

Even long after the Johnson administration began the process of tearing-down U.S. research and development institutions, advances in technologies spilling over into our civilian economy from NASA's first ten years of work were a principal contribution to our republic's technological progress. Although NASA's contribution to the civilian economies of the world is specific and somewhat unique in particular features, no one who studies the economic history of the United States from as early as ten years prior to the 1776 Declaration of Independence ought to be surprised at the success of a crash program of the type NASA's initial period of research and development represented.

If we put our minds to it, we could do it again beginning right now, and do it much bigger and better, with far greater benefits than we gained from the NASA work of the 1960s. In that light, let us look very briefly at four related topics. First, let us list the leading "crash programs" of U.S. economic history, and compare these with three comparable cases in the history of Europe

Editor's note: This is a reprint of Lyndon LaRouche's article as published in *EIR* Vol. 10, No. 38, October 4, 1983, pp. 20-29.

during the same period. Second, let us compare the long swing of general U.S. economic recovery, 1939-66 with the takedown of the U.S. economy during the 1967-83 period. Third, glance ahead at the new technological breakthroughs in space now awaiting us, and note some of the enormous benefits those breakthroughs will have for life on Earth. Finally, we identify the most important features of a new crash program of this type to be set into motion immediately today.

Dr. Benjamin Franklin's Genius

Since Mary W. Shelley's Malthusian science-fiction novel attacking Dr. Benjamin Franklin, *Frankenstein*, and continuing through the false propaganda of the Newcomen Society during the 19th century, there has been a persisting effort to misrepresent the founder of the United States as a "hayseed womanizer" and "backwoods tinkerer." These are not merely

lying insults against one of the greatest intellects of the past 250 years; whoever believes such falsehoods renders himself incompetent to explain how the United States was created. Without Dr. Franklin's contributions as a leading, internationally recognized scientist of the 19th century, the American Revolution could never have been won, nor the federal constitutional re-



Portrait by Joseph-Siffrede Duplessis
Benjamin Franklin
(1705-1790)

public established in 1789. Franklin, among his other vital contributions to the existence of our republic, organized the first “crash program” in our nation’s history, a “crash program” which shaped our republic’s character as a growing, technologically progressive power through the 19th century.

A few general remarks on Franklin and his work put the larger picture into focus.

The English colonies in North America were, in the largest part, established during the 17th century by the English Commonwealth Party, the republican opponents of a combination of Venetian, Genoese, and Swiss financier interest which had taken over and looted Britain beginning 1603, behind their puppets, the Stuarts. The root of this project was a program developed by the English Erasmians around Sir Thomas More, a colonization project formulated by the great Tudor political figure Robert Dudley. The initial colonization of New England and Pennsylvania was based on Dudley’s design: to transfer some of the best parishes of Europe to North America, to create new republics whose successful growth would tip the strategic balance in favor of the republican cause throughout Western European civilization as a whole. From the beginning, the leaders of the Commonwealth Party were allied philosophically with the republicans of France, Italy, and Germany, including the political heirs of the author of the *Six Books of the Commonwealth*, France’s Jean Bodin.

Franklin, a product of the republican faction of New England, was obliged to flee the anger of the tory faction in New England as a youth, and migrated to Philadelphia, where family connections placed him under the patronage of William Penn’s secretary and collaborator, Jonathan Logan. This connection located Franklin within conspiratorial circles of a branch of international Freemasonry known as Free and Accepted Masons, a Freemasonry strongly opposed to the Scottish Rite, or speculative mysticism freemasonry of the royalist faction of Britain, and allied with the Grand Orient form of free and accepted masonry in France.

The American Revolution was, in a very meaningful and dominant sense, a “Freemasonic war,” opposed by both the Scottish Rite Freemasons and the Scottish Rite’s higher-ranking “mother organization,” the Priorities of St. John Hospitaller steered from Venice. Without understanding these Freemasonic connections, it is impossible to understand how the American Revolution was organized, and by what means Franklin organized the first “crash program” predecessor to NASA’s.

From Philadelphia, Franklin worked increasingly under the influence of the writings of the great European scientist, Gottfried Leibniz, the Leibniz who created modern economic science beginning with his own 1671 essay, *Society and Economy*. Franklin’s work followed Leibniz’s design for an 18th century worldwide network of academies, academies modeled upon Plato’s Academy at Athens. As part of this, Franklin educated a mass of American citizens for the coming Revolution through such means as a network of newspapers and other publications, and performed a leading role in promotion of knowledge of science and technology. Not only was he internationally recognized as a major scientific thinker during the 18th century: Immanuel Kant described him as the “18th-century Prometheus,” and Franklin’s collaboration with Dr. Joseph Priestley is a crucial part of the history of development of chemistry in France and Germany.

At the point Britain’s Lord Shelburne and Adam Smith launched an effort to destroy the economies and political semi-autonomy of the English colonies, in 1763, Franklin was the acknowledged political leader of the republicans in North America.

In this capacity as political spokesman, Franklin traveled to Britain in 1766, delegated to lay the American case before the British Parliament. His experience there, combined with his discussions with leading republicans in Britain, persuaded Franklin that it was impossible that the Americans continue under the same government as the subjects of Britain: the moral and philosophical separation between American *citizen* and British *subject* had become a virtually unbridgeable



Gottfried Wilhelm Leibniz
(1646-1716)

gulf; these had become two peoples of fundamentally different conceptions of man and the universe, divided by a common language. Thereupon, Franklin employed his “cover” as a leading scientist worldwide to begin organizing conspiratorial networks on the continent of Europe that same year. In the ensuing period, Franklin’s vast, transatlantic conspiracy reached from the Petrograd Academy which Leibniz had founded in Russia, through the court of Spain’s King Charles III, into the republican circles of Spanish and Portuguese colonies in the Western Hemisphere.

It is exemplary of Franklin’s influence in Europe, that his Paris-centered circles recruited Germans such as the composers Wolfgang Mozart and Ludwig van Beethoven, and the Freiburg-Jena-Weimar German classical circles led by Friedrich Schiller, and, later, the Humboldts, Freiherr vom Stein, and Scharnhorst. The French, German, and Polish officers who served the American Revolution were a reflection of this.

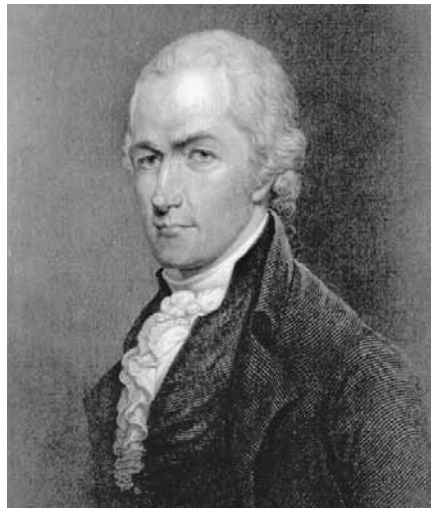
To fight the inevitable war with Britain, Franklin understood, the Americans required not only political and military organization, but also an explosion of technologies and corresponding development of the basic economic infrastructure of the colonies. The principle source of industrial and related technology was France, then the most advanced industrial and scientific power in the world. From France, the future United States acquired the technologies of cannon-making and gunpowder, among many other things—the Du Pont firm is a direct outgrowth of this.

The lack of federal cooperation and national-banking policies needed to continue this program during the 1780s was the principal goal for Franklin’s conspiratorial assembly of the 1787 Constitutional Convention. That Constitution, especially Article 1, Sections 8-9, created a new kind of federally regulated system of currency, banking, credit, and tariff-protection arrangements, which was completed by three policy papers—on the subjects of credit, banking, and manu-



George Washington signing the Constitution on September 17, 1787 at Constitution Hall in Philadelphia, Pennsylvania.

factures—issued by Treasury Secretary Alexander Hamilton on behalf of the administration of President George Washington. Hamilton named this anti-Adam Smith economic policy “the American System,” and the name stuck throughout the 19th century, with the American System imitated successfully in the 19th-century industrial development of Germany (Friedrich List, et al.), and the Meiji Restoration’s industrial development of Japan



Alexander Hamilton (1757-1804)

under the counsel of the American economist E. Peshine Smith, as well as the industrial development of northern Italy under the leadership of Cavour and his collaborators.

Under the two administrations of President George Washington, an explosive economic development of the United States was set into motion, centered around the development of economic infrastructure in such forms as canals and roads. This was later wrecked under the administrations of Presidents Jefferson and Madison, largely through the influence of the Swiss Jacobin Albert Gallatin and the influence of a treasonous crew associated with

Aaron Burr and the New England “Essex Junto.” However, through the influence of Franklin’s earlier close collaborator, Mathew Carey of Philadelphia, and Henry Carey, in 1815, the United States launched a new crash program in development of military, scientific, and in-

dustrial capabilities, in collaboration with military and other specialists associated with another former Franklin collaborator, France’s great Lazare Carnot. During that period through the 1820s under James Monroe and John Quincy Adams, this new “crash program” was centered in the rejuvenated West Point under Commandant Sylvanus Thayer. All was done in close collaboration with Gilbert Marquis de Lafayette, who had succeeded President Washington as head of the American freemasons—in Ibero-America as well as the United States, and as head of the military branch of the free and accepted freemasons, the Society of Cincinnatus. From the aftermath of 1815 until his death, Lafayette headed the U.S. secret-intelligence service abroad. It was La-

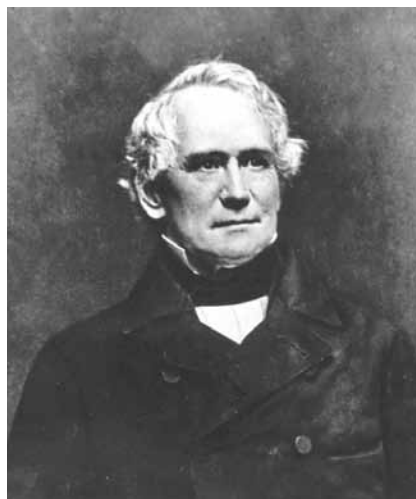
principles of the American System to launch a “crash program,” effecting the industrial revolution on which U.S. world-power has rested ever since.

Unfortunately, Lincoln’s assassination was followed by a reversal of his policy for rapid economic development of the southern states: the New York and New England crowd represented today by our “Eastern Establishment” unleashed the “carpet-bagger” looting of the defeated states, from which those states did not truly begin to recover until World War II and its aftermath. With the passage and implementation of the 1876-79 U.S. Specie Resumption Act, the United States (unconstitutionally) surrendered its sovereignty over currency, national debt, and national credit to a cabal of



Portrait by John Neagle, 1825

Mathew Carey
(1760-1839)



LOC

Henry C. Carey
(1793-1879)



Friedrich List
(1789-1846)

fayette who brought the gifted German economist Friedrich List to the United States in 1825, and who aided in making the scientific technology of France available to the United States during that period.

During President Jackson’s second term, the accomplishments of the preceding period were largely torn down, leading into the disastrous monetary chaos of the Panic of 1837—a consequence of destroying the national-banking system of the United States, in favor of a “free trade” policy.

The sudden, and suspicious deaths of two Whig Presidents, William Henry Harrison and Zachary Taylor, prevented the United States from resuming a policy of technological progress until the war of 1861-65. President Abraham Lincoln, a “Clay-Carey Whig” deeply committed to the American System of Leibniz, Franklin, Hamilton, the Careys, and List, applied the

bankers centered in Switzerland, London, and New York City, who manipulated U.S. currency, debt, and credit to buy up the most valuable real estate and other valuable assets at auction-prices. The republican constituencies of the United States—entrepreneurial industrialists, progressive farmers, and skilled laboring men, the constituency-forces of Henry C. Carey’s Whig-Republican doctrine of “Harmony of Interest”—were pushed into second place as a political power in the nation beginning the events of 1871-79. Entrepreneurs, farmers, and labor, were set against one another during the titanic social crises of 1871-86. From that, we have never fully recovered since.

Yet, over the century which followed Lincoln’s assassination—into 1966-68, the shift in power at the top of the pyramid of U.S. political power and wealth only weakened but did not dare to challenge more directly

the deeply embedded commitment to basic democratic-republican philosophy within the population generally. Under conditions of perceived grave national crisis, as during World War I and from 1939 onward during World War II, the underlying political culture of our people asserted itself, as those people were called upon to make a great national exertion in the form of economic “crash-program” mobilizations for war. The “post-Sputnik” policies launched by President Dwight Eisenhower and continued more or less energetically by President John F. Kennedy, have been the most recent expression of that same underlying reality. The NASA research-and-development of the 1958-66 period is the most recent typification of that “crash program” tradition of our republic.

Three Comparable Cases

The three “crash programs” most appropriately compared with U.S. experience are the crash programs set into motion by Gottfried Leibniz, the work of Lazare Carnot and his associates of the *École Polytechnique* during the 1793-1815 period, and the post-1815 development of Germany set into motion by the combined influence of the earlier work of France’s *École Polytechnique* and the establishment of the American System in the United States. We shall describe these summarily now, and turn at the conclusion of this foreword to the principles to be learned for today’s practice from the example of the *École Polytechnique*. We begin now with some brief remarks on the history of “crash programs” in Western civilization more generally: Leibniz did not begin from a blank slate.

The first well-documented “crash program” in the history of Western civilization was that of Alexander the Great. The conception was perhaps not originally Alexander’s; throughout the period of his seizure of power, his military campaigns, and his administration of his new empire, Alexander was steered jointly by the Academy at Athens and that Academy’s ancient patron and ally, the Cyrenaic temple of Ammon. These influences, and the traditions of the Golden Age of Egypt under the rule of Ammon, certainly shaped Alexander’s policy throughout.

The next great “crash program” in the history of Western civilization is that launched by Charlemagne

and his advisor Alcuin—the Rhine-Danube canal-system projected then is not quite completed to the present day. This is of signal significance to us today, as the first large-scale political outgrowth of the influence of the work of St. Jerome’s great convert, St. Augustine, in giving specific shape to the culture we identify as the republican culture of Western Christendom to the present date. There is, similarly, the influence of the work of Abelard of Paris on the Salian emperors, and the building-programs of the Staufer emperors from Friedrich Barbarossa through Friedrich II’s death in 1250 A.D.

The most immediate general predecessor for the “crash programs” of France’s Jean-Baptiste Colbert, the 1672-76 patron of Gottfried Leibniz, was the 15th-century Golden Renaissance.

The period from the death of Friedrich II through the close of the third quarter of the following century, was the greatest “dark age” Europe suffered following the collapse of the Roman Empire. In the midst of this, a single titanic intellect, Dante Alighieri, forged a new program for civilization, a program continued by such successors as Petrarch at Avignon, which began to be implemented in such forms as establishment of the Brothers of the Common Life at the close of the 14th century. Out of this rebirth came the Golden Renaissance in Italy, a renaissance dominated by the gigantic intellect

of Cardinal Nicholas of Cusa and Cusa’s most famous successor in scientific work, Leonardo da Vinci.

Unfortunately, even most Ph.D.s and D.S.s of today are utterly ignorant of the work of Cusa, and therefore ignorant of the most essential features and implications of the work of Leonardo and the School of Raphael after him. This is a matter of no casual importance, since the conception of the modern sovereign, constitutional republic was elaborated by Cusa, and it was also Cusa who singlehandedly established the foundations for the entirety of progress in physical science during the recent five hundred years. Without familiarity in Cusa’s work in laying the methodological foundations of modern science, it is impossible to comprehend the internal history of science rationally from Cusa and Leonardo through such figures as Kepler, Gilbert, Descartes, Leibniz, Euler, the Carnot-Monge *École Poly-*

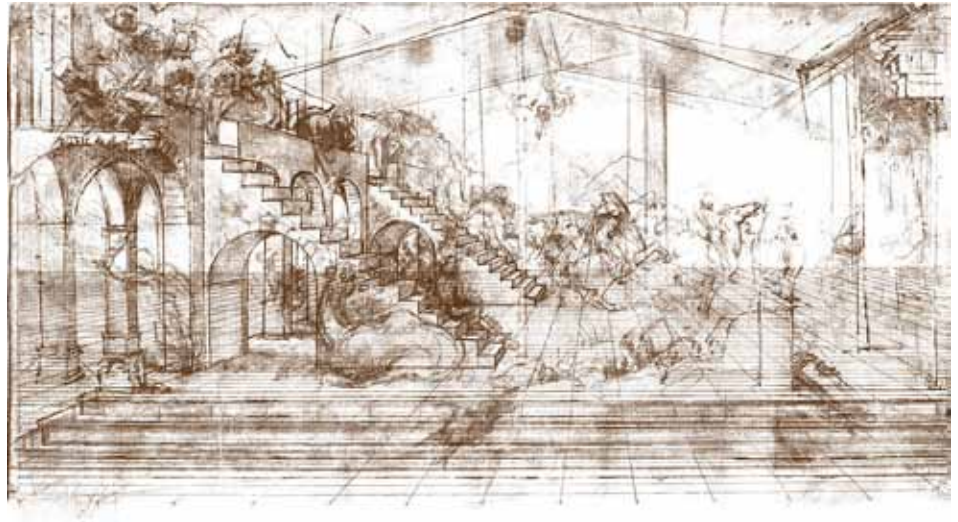


Polychrome relief by Andrea Bregno, 1465
Nicholas of Cusa
(1401-1464)



Self-portrait

Leonardo da Vinci
(1452-1519)



Leonard da Vinci

Linear perspective study for the background of the “Adoration of the Magi,” renders the three-dimensional world onto a two-dimension flat surface, c. 1481.

technique, Gauss, and Alexander von Humboldt’s German-science protégés through the 1850s.

From the beginning, especially Cusa’s refinement of Dante Alighieri’s program for rebuilding civilization, the rudiments of what is recognizably economic science and physical science generally were treated as one and the same. The leaders of the Golden Renaissance started, as did Cusa, from the moral ordering of human affairs—and government—required implicitly by St. Augustine’s formulation of the *Filioque* doctrine and the famous injunction of the Biblical Book of Genesis, that mankind must “Be fruitful and multiply, and fill the earth and subdue it.” These two, complementary, Biblical injunctions prescribe a rigorously defined conception of the lawful composition of the universe, and of man’s proper place and function within that universe. These leaders focused upon man’s obligation to comprehend ever more perfectly the lawful ordering of the universe, so that man might better fulfill the injunction of Genesis, and that man might bring his practical will into greater conformity with the lawful ordering of creation. So, physical science and economic policy were situated under the rule of moral law as 15th-century Christian humanism—and also the Judaism of Philo of Alexandria—define the notions of universal, rationally knowable moral law, or Judeo-Christian “natural law.”

A “crash program” signifies a mobilization of a people to great work in service of those principles, the work of changing the ordering of human affairs to the effect of increasing man’s performance in accord with universal moral law.

Informed by the work of Cusa, partly through his collaboration with Luca Pacioli, Leonardo da Vinci effected a range of fundamental scientific breakthroughs in the course of his work dedicated to “crash programs” for the economic development of Italy. These included the founding of the modern science of hydrodynamics to a degree which is truly modern in respect of certain leading features of included accomplishments. It included preliminary mastery of the morphological characteristics of growth and function of living processes, including functions of the human body. It included a revolution in the geometrical principles of perspective, which has been in fact the foundation for the later development of “non-Euclidean” geometry. It included preliminary establishment of the principles of machine-design later perfected by the École Polytechnique under Carnot and Gaspard Monge. It included revolutions in the principles of composition of painting, architecture, and music.

The work of Dante, Cusa, and da Vinci radiated throughout civilized Europe, exerting a direct influence on specific leading features of later scientific progress through the late 17th century—at which latter point specific discoveries by Leonardo appear in the writings of Leibniz’s collaborator, Christian Huygens. This was continued within Italy by the School of Raphael, and by the Naples school associated with such influential figures as Tommaso Campanella. It was Campanella’s school of political-economy which exerted the most direct and important influence on the economic thinking of Europe during the 17th century and into the 18th in such forms as the 25-year Colbert “crash program” (1665-81).

This legacy informed the view of economic science developed by Leibniz. He established academies such as the university at Freiberg—where Alexander von Humboldt was educated, a center which greatly influenced the economic development of the United States and Japan, among other instances—and personally established also the university at Göttingen and the Academy of Peter I’s Petrograd in Russia. Leibniz’s most spectacular success was his crash program for the economic development of Russia, submitted to the Emperor Peter I. During the 17th century, the mining and industry of Russia outpaced that of Britain in both scale and quality, until this collapsed through reversal of Peter’s sweeping reforms under successors such as Elizabeth and Catherine’s Prince Potemkin, after which Russia subsided back into serfdom and near-barbarism until the rebuilding efforts launched by Czar Alexander II, Abraham Lincoln’s war-time ally against France and Britain.

Leibniz’s economic science was taught in Germany as “physical economy” under the program of cameralism provided as the education of Germany’s elite, and was promoted in France through the Oratorian teaching-order with which Gaspard Monge and Lazare Carnot were associated. It was Leibniz’s work in economic science, and the institutions he founded according to his model for a network of academies, which informed the great, later “crash programs” in Europe and the Americas into the 19th century. In fact, it was Leibniz’s work on the heat-powered machine, as well as physical science generally, which designed the 18th and 19th centuries’ industrial revolution, including the design of the first successful steam-engine by Leibniz’s collaborator Denis Papin at the beginning of the 18th century.

The greatest “crash program” ever launched was that associated with the work of Lazare Carnot and Gaspard Monge over the period 1793-1815. Although echoes of this École Polytechnique program are found in the Manhattan Project and NASA research-and-development effort, and to a significant degree in the work at Peenemünde under Prof. Adolf Busemann in the Göttingen tradition, these 20th-century cases lack the stress upon

fundamental breakthroughs and education featured in the work of the Carnot-Monge École Polytechnique.

It began as Lazare Carnot, a former collaborator of Dr. Franklin, assumed a key position in the military command of France in 1793, the vantage-point from which Carnot organized the overthrow of the Jacobin Terror. Carnot began with a mandate for reorganizing the army of France in face of threatened conquest of France by the combined forces deployed by Britain and Venice. Starting with a revolution in development and deployment of massed fire of mobile field artillery, Carnot revolutionized warfare.



Painting by Louis François Lejeune, 1842
Lazare Carnot
 (1753-1823)

The victories of Napoleon Bonaparte have been employed to create a myth of Napoleon’s genius, to the point of obscuring the fact that it was the military instrument created by Carnot which enabled Napoleon to achieve victories. Napoleon, a well-trained French artillery officer, educated in the most advanced doctrine of fields of fire existing in the world prior to Carnot’s work, understood Carnot’s principle of warfare well enough to demolish repeatedly the hayfoot-strawfoot Austrian army, and to destroy the greatest military power of the continent, that of Prussia, in a single day in 1806. However, it was said aptly during that period that every French soldier carried a field marshal’s baton in his knapsack; anyone with a

grasp of the principles of Carnot’s revolution in warfare could have led the French forces to victory over the cabinet-warfare-doctrine forces of Europe during that period. Exemplary, when Napoleon was defeated by the alliance in 1814, Europe trembled as Carnot resumed command of French military forces—out of fear of the superior genius of Carnot, a Europe which had defeated Napoleon abandoned its plan to dismember defeated France.

Napoleon could be defeated only by a force which was intellectually superior to Napoleon, a force which understood the work of Carnot: the German reformer followers of Friedrich Schiller, Wilhelm von Humboldt, Freiherr vom Stein, and General Scharnhorst. Napoleon would have crushed Russia easily and decisively if the Russian commanders had followed their policy and in-

stinct. It was the Prussian reformers who, by persuading the Czar to permit them to direct the war, prevented the Russians from attempting more than an indecisive delaying-action, to let Napoleon into Moscow, where the weakness of his logistics could be used to destroy him. The reformers used Schiller's studies of the 1618-48 Thirty Years' War to bait and close the Russian trap, and to fall upon Napoleon's retreat before he could reach France to raise new armies to destroy them all. A Gen. Douglas MacArthur would readily understand this, but, unfortunately, no one trained in "systems analysis" could.

The military genius of Carnot—already recognized internationally during the 1776-80 period—depended in practice upon his transforming the French economy with the aid of such economists as Ferrier, Chaptal and C. A. Dupin. New metal-working industries were created almost overnight to produce the mobile field-artillery on which French victories depended. An in-depth system of logistics and administration was created. The only comparable cases on this point since have been Lincoln's mobilization of 1861-65 and Roosevelt's of 1939-43.

These military and economic programs were subordinated to two other leading features of the work of the *École Polytechnique*. As Karl Gauss at Göttingen was beginning to establish the foundations of 19th-century German science on the basis of Kepler and Leibniz, the *École Polytechnique* under Carnot and Monge was already engaged in following Leibniz's work to the point of creating thermodynamics and the theory of functions. They were occupied not merely with important advances in existing scientific knowledge, but with effecting revolutions in scientific knowledge. That is an important point of distinction between the work of the *École* then and the Manhattan, Peenemünde, and NASA research and development programs later. Also, Monge most emphatically attacked the problem that the Jacobin Terror had butchered the ranks of French scientists—the case of Lavoisier is exemplary. France had far too few scientists for the work being undertaken. The leading feature of the internal work of the *École* was Monge's program for producing "brigades" of new



Portrait by Joseph Karl Stieler, 1843
Alexander von Humboldt
(1769-1859)



Lithograph by Franz Krüger
Wilhelm von Humboldt
(1767-1835)

scientists through a rigorous training in geometrical methods. This produced the work of Sadi Carnot and others in thermodynamics, of the great pioneer of the theory of functions, Legendre, the great revolutionary in geometry, Poncelet, and numerous others of more or less comparable stature, such as Fourier, in the internal history of modern science.

Rather than limiting the assigned tasks of the "crash program" to specific targets of military and economic accomplishment, the *École Polytechnique* aimed to revolutionize scientific knowledge, rejecting entirely the absurd presumption that any distinction exists between fundamental and applied research. Later "crash programs" did produce important discoveries, of fundamental importance in terms of experimental physics, but the focus of the effort was deficient by comparison with the integrated view of education and both fundamental and applied research adopted and practiced by the *École*.

At the 1815 Congress of Vienna, directed by the Venetian Count Capodistria, and Capodistria's puppet, Prince Metternich, the Prussian Hohenzollerns betrayed the German nation and the great reformers who had saved Prussia from destruction by Napoleon. Metternich and the Hohenzollern court conducted a witch-hunt against the influence of Friedrich Schiller, the figure who had been the leading inspiration of the German Liberation War against Napoleon. The noble passions of the German citizens of 1813-14 were plunged into despair and the influx of wicked Romanticism during the 1815-19 period, and the wicked agent

of Metternich, Professor G. W. F. Hegel, became the Prussian “state philosopher.”

Yet, all was not destroyed. Around the two Humboldt brothers, the principles of Schiller’s circles were advanced within narrowed channels of educational policy and scientific progress. Wilhelm von Humboldt, the former collaborator and student of Schiller, pressed forward with educational reforms and related concerns. Alexander von Humboldt entered into collaboration with the exiled Lazare Carnot, then living in Germany, to launch the German science-revolution of the early 19th century. Since great Göttingen was under the capricious influence of the British monarchy, the University of Berlin was chosen to become the new center of scientific work.

In effect, Carnot and Humboldt brought the work of the École Polytechnique into thriving exile within Prussia, under the patronage of the Prussian general staff, and fused this new initiative with the work of Karl Gauss and others at Göttingen. So, from 1849 into 1859, as the center of German science was shifted from Berlin to Göttingen, Gauss’s Göttingen emerged as the world-center of scientific progress into World War I.

The realization of the gains of German science was accomplished through the leading role of Friedrich List during the 1830s and early 1840s. Shortly after assuming U.S. citizenship in 1830, Friedrich List returned to Europe, serving as a U.S. secret-intelligence operative for the circles of John Quincy Adams et al., and playing a leading role in the campaign to effect the industrial development of Germany on the basis of the principles of the American System of political economy. Under the Hohenzollerns and Bismarck, this was possible only to the extent that Germany viewed such scientific and industrial development as strategically imperative, as the history of the rise of the “smokestack barons” of the Ruhr and Silesia, for example, illustrates. It was List’s text, *The National System of Political Economy* (1844), first published as a series of essays circulated earlier, and List’s leadership in designing and installing the German Customs Union (*Zollverein*), which made possible the explosion of industrial development which occurred in Germany from the 1840s onward. These measures were accompanied by a program of infrastructure-building, centered around water transport and railroads, and led into the development of agricultural chemistry, as later imported into President Lincoln’s establishment of the U.S. Department of Agriculture as an instrument for fostering this agricultural revolution within the United States.

In these instances, taken together with experience

from our own national history, we see illustrated the point that all significant progress in science and the economy in Western civilization to date has centered around “crash programs” of more or less the sort we associate with the research and development of NASA.

U.S. Ups and Downs: 1939-83

Not everything President Roosevelt did during the 1933-38 period was exactly useless or a failure, of course. Despite the jokes about WPA and PWA, jokes not lacking in some justification, important development of infrastructure occurred. Without the TVA and related projects, we would not have been situated to mobilize adequately for World War II. Without rural electrification and related programs, the U.S. agricultural revolution launched during the war, could not have been possible. Otherwise, it was not useless by any means to ameliorate the potential social crisis fostered by the debacles of 1929 and 1931. All that granted, the United States remained locked in what appeared a permanent economic depression until the economic mobilization of 1939-43 began to show early results during 1940 and 1941.

Looking back, it is clear that similar measures of reforms in monetary and banking practices could have caused a general economic recovery at any time during the 1933-38 period, measures which could have succeeded under peacetime conditions without the inflationary consequences of massive war-expenditures. The cruel fact is that such measures were either not politically possible, or at least were not perceived to be politically tolerable, in that they were taken in the name of preparations for a new world war. The same is broadly true of the 1949-52 mobilization for the Korean War—and whatever more to which that might then lead, and was true of the “post-Sputnik” programs, including NASA, launched by the Eisenhower administration and fostered by President Kennedy. It was also true, to less spectacular extent in the case of the World War I mobilization. The political problem of our republic during the past hundred years is that we never seem able to mobilize ourselves to do anything right in this direction unless we do so under threat of general warfare.

If the Washington, D.C. and Palo Alto “systems analysts”—we say “systems analysis” since “operations research” earned the reputation of a dirty word—had their druthers, they would wipe the memory of the 1939-1943 U.S. mobilization from our recollections. At the beginning, it was a mess. Broadly, we said to all sorts of citizens: “Find a machine tool someplace on the junk-heap.



Photo by Howard R. Hollem, 1942-43.

B-24E (Liberator) bomber assembly line at the Willow Run (Air Force Plant 31) manufacturing complex, constructed near Ypsilanti, Michigan by the Ford Motor Company for the mass production of aircraft.

Make it work in some shack or loft you find rotting and abandoned, and run that machine with the labor of some grey-faced, unskilled fellow recruited from either the unemployment lines or even Skid Row.” If such a citizen-entrepreneur could find a sub-sub-contract somewhere, he could receive a low-cost loan and get into production. By 1943, we had mobilized a wrecked economy to levels of sophisticated output which astonished the world and overwhelmed the Nazis.

This writer remembers very well. One personal incident stands out. One day during that period, he was offered purchase of a nearly abandoned but fully-equipped machine-shop located in an old brick loft building down on Broad Street in Lynn, Massachusetts. If this writer had chosen to leave his studies at the time, he would have become very soon one of those war-mobilization-period entrepreneurs. It would have succeeded, because everything like that succeeded in those days.

A “crash program” is a mobilization of every human and other resource, including what might be salvaged from scrap-heaps. We learn from early mistakes, and being determined to correct such mistakes quickly, we do better quickly. The process accelerates.

The way such “crash programs” succeed is aesthetically distasteful to the Harvard Business School experts in corporate mismanagement and the “systems analysis”

types generally, but not to an old-line production manager or the veteran of the World War II Seabees. A “crash program” begins as that sort of effort steered by bold thinking from the relative handful of scientists and engineers who can be assembled for the effort. If we were to repeat such an effort today, we would be obliged to assemble a mixture of retired veterans of the 1939-45, 1949-52, and NASA experience, to inject their memories of “how to do it” into direction of the process.

Granted, the massive ratio of war-expenditures to total output during the 1939-45 period was inflationary. War-materiel is chiefly economic waste, in the sense one can not (or should not) attempt to eat it, nor is it particularly efficient to use a combat tank for ploughing fields or other purposes of production. Yet, long after the war, the investment in productive capacity and upgrading of labor-force skills made the U.S. economy strong. The 1949-52 mobilization, and the “post-Sputnik” programs of 1958-66 re-enforced the beneficial economic aftermath of World War II.

At about the same time that the “post-Sputnik” programs were being launched, cronies of the late Bertrand Russell had assembled for back-channel negotiations with the Soviet government, centered around the Pugwash Conference-series. Nikita Khrushchev



NASA

Dr. Wernher von Braun explaining the Saturn rocket launch system to President John F. Kennedy at Cape Canaveral, Florida, on November 16, 1963.

brought to Russell a proposal to divide the world into two world-empires, using the doctrine of Nuclear Deterrence as a way of making this scheme permanent. Gradually, the Malthusian doctrines negotiated between Russell's cronies and the Soviet government were slipped piecemeal into U.S. and NATO policy. By the time accomplice McGeorge Bundy left President Johnson's National Security Council, the worst damage was done. Traditional U.S. military policy had been junked, and was being liquidated in McGeorge Bundy's War in Vietnam; McNamara's and Kissinger's doctrines had taken over. By 1966-67, the Soviet government's accomplices were positioned to impose the doctrine of destroying the economies of the United States and Western Europe upon the Johnson administration—the so-called “post-industrial society” or “technetronic society” doctrine.

The “Great Society” package was launched as a bit of political demagoguery to cover over the fact that the research and development potentials of NASA were being torn down. Then came the monetary crisis of March 1968, at which President Johnson and Federal Reserve Chairman William Martin began the process of tearing down the U.S. dollar. Over the winter of 1969-70, with Kissinger as head of the National Security Council, the “environmentalist” movement was launched simultaneously in the U.S.A. and Western Europe, rallying the readymade anti-technology forces of the New Left and Russell's peace movements around left-wing social democrats to create a battering ram against, first, nuclear energy production and DDT, and then against everything else which had made us strong in the past.

What had given us economic strength up into 1966 had been the combined effects of the World War II agro-industrial mobilization, the 1949-53 mobilization, and the post-Sputnik R&D effort, combined with a steady increase in improvements of basic economic infrastructure. R&D began to be taken down in 1967. Infrastruc-

ture building slowed that year, and peaked, before beginning to collapse in 1969. We are now a rotting “post-industrial society,” with an unpaid bill estimated at between \$3 and \$4 trillions for repair of rotting basic economic infrastructure in transportation, water management, energy production and distribution, and urban infrastructure.

Gloating over this weakening of our muscle and political will, and the demoralized collapse of the economies and political will of Western Europe, the Soviet leadership is now embarked upon an orchestrated thermonuclear showdown with the United States during the period immediately ahead. They rely on our backing down, a back-down which they are confident will be helped greatly by the circles of the Eastern Establishment allied to W. Averell Harriman and Democratic National Chairman Charles T. Manatt and the pro-Soviet moles of the U.S. churches.

Unless we rebuild our economic strength rapidly, reversing every policy change instituted by McNamara, Kissinger, and other Pugwash Conference accomplices over the past 20 years, we face either thermonuclear war or the doom of Western civilization by other, slower, but not less effective means. Only a new “crash program” can provide us that mobilization of material and political strength to prevent the Soviet leadership from daring to continue on the course toward early thermonuclear war.

So, the thoughts of every patriot turn to memory of the first decade's achievements of the NASA research and development “crash program.”

A Three-Pronged Crash-Program Offensive

The first step toward such a needed turnabout was set into motion by President Ronald Reagan on March 23, 1983, in his televised address announcing a new U.S. strategic doctrine. The Soviet leadership is howling, mostly lies. The real reason the Soviet leadership has rejected the President's generous offer of a new basis for durable peace is twofold. The Soviet leadership knows



NASA
Neil Armstrong taking mankind's first step onto the Moon, as part of the Apollo 11 mission, on July 21, 1969.



The Ronald Reagan Presidential Library

President Ronald Reagan addressing the nation on the Strategic Defense Initiative, in a speech from the Oval Office on March 23, 1983.

that the President's strategic doctrine will succeed exactly as outlined; anything they say to the contrary is simply outright lying. They object to the fact that they have calculated that if the President launches a "crash program" to implement the doctrine, that this will cause an economic boom in the United States—such an economic recovery of the United States they are determined not to tolerate. They also object to the fact that such a policy means U.S. survival as a world power, at a time they have their hearts set upon early destruction of the United States' position as a world power.

The scientific-technological fact underlying the President's change in U.S. strategic doctrine is that we presently either have or can quickly develop defensive weapons systems capable of destroying thermonuclear ballistic missiles—and other missiles—in mid-flight. Moreover, it is a matter of scientific principle, that these technologies can destroy missiles in flight much more cheaply than an adversary can construct and launch such missiles. In other words, as Dr. Edward Teller has emphasized, the economic advantage in strategic combat has shifted scientifically to the decided advantage of the defense. We have in reach the development of a total strategic ABM system, using these technologies, by means of which we can destroy between 95 percent and 99 percent or more of all thermonuclear ballistic missiles which might be launched against the United States.

Theoretically, a few missiles might get through such a screen. However, any adversary which did sneak a few through would be relatively helpless, strategically disarmed against counteraction taken by the power it

attacked. Therefore, a 95 percent defense is already a total defense in principle.

That said, let us shift our attention to the implications of such defensive weapons technology for the work assigned to NASA: the exploration and conquest of space. What effect would these same technologies have for space exploration, and what will be the benefits of such space exploration and related undertakings for the conditions of life here on Earth?

The kinds of defensive weapons systems corresponding to the President's doctrine cover two of the three major frontiers for fundamental scientific and technological advances over the coming 50 years and longer. The three areas are:

- 1) Development of "commercial" controlled thermonuclear fusion as a principal energy source for a broad range of applications. This is not only a technological breakthrough, but brings our work into the area of revolutions in mathematical physics.
- 2) Development of improved methods of energy transport, centered upon high-energy directed-beam technologies.
- 3) Fundamental research into the processes of living organisms, to guide work in biotechnology.

All three of those areas are indispensable for advances in the exploration and conquest of space.

Taken together, these three areas of work on the frontiers of knowledge today represent not only great advances in technology, but the most fundamental breakthroughs in fundamental scientific knowledge in more than a hundred years.

Once we have developed commercial qualities of controlled thermonuclear fusion, this technology shifts the exploration of space from present rocket-ballistic modes to continuously powered space flight. This brings the exploration and prospective colonization of Mars within reach. It is reasonable to project that a second generation of commercial fusion-energy systems could enable us to generate energy at about 10 times or more the present energy-flux density, perhaps as high as between 500,000 and 1 million kilowatts per square-meter energy-flux density. If such energy-flux density can be efficiently channeled through laser-like devices and related techniques, not only is every productive technology on Earth revolutionized to a degree presently beyond the imagination of both, but these technologies

make practicable the creation of artificial Earth-like environments on the Moon, Mars, and so forth.

Extended space flight and colonies on nearby solar bodies require breakthroughs in biotechnology generally, both as matters of medical science and in providing food supplies and organization of environments in strange circumstances.

Even before the close of this present century, the use of laser-like technologies developed as a byproduct of research and development for beam weapons means a revolution in productivity to the effect of increasing the per capita output of operatives by between two- and three-times present levels. The great benefits which NASA's R&D contributed to the civilian economy in the past are small relative to the benefits of a similar

moral sense of mankind as developing on this planet to fulfill some higher, if yet unknown duty in the universe around this planet.

Perhaps, such tasks will cause humanity to grow up at last.

The time has come, between strategic crises and growing misery on this planet, for the United States to launch a new great effort modeled appropriately on the work of the École Polytechnique under Carnot and Monge. For the work we have indicated, we have presently far too few scientists and engineers, and too little education of our youth. We are a ruined relic of our former national self, and can arise from the misery, ruin, and demoralization of our present condition only by mobilizing ourselves as a people as we did once



NASA

An artist's concept of a lunar inflatable habitat, a construction shack, a solar power system, and other elements.



CC/Princeton Plasma Physics Laboratory

Outside view of the Tokamak Fusion Test Reactor in 1989.

program attacking the indicated frontiers of science and technology.

In addition to the need for an anti-missile defense and the benefits of space exploration for life on Earth, the side effect of conducting such research and development is a leap upward in the conditions of the life of the average individual on the surface of this planet.

There is also a profound moral benefit to space exploration. Once we begin to define mankind in terms of mankind's prospects for colonization of the Moon and Mars, for example, and realize that it is within our reach to project growing forests on Mars, for example, we think of ourselves and our neighbors in a new way. We think of mankind as an instrument within God's creation, mankind destined to go anywhere in the universe useful work is required of mankind. We lift our noses from squabbling in the mud of this planet, and gain a

before during the 1939-43 period of economic mobilization. What we require for this great undertaking now we lack except in the tiniest part; we must create what we lack as we go along, using the crash programs of space exploration and beam-weapon defense as a great school, such that those caught up in that work produce "brigades" of new scientists and engineers as well as operatives with new kinds of skills, and cause the lessons learned from this "crash program" effort to spill over copiously into the life of our national generally.

Let us, therefore, look back to the more glorious days of NASA's past, and view what was accomplished then as a first step—a halted first step—which we must resume today. Let us resume the dedication of NASA from that period, and add to that dedication the broader duties of fundamental research and education needed to replicate the genius of the École Polytechnique.

SCIENTIFIC AND ECONOMIC BREAKTHROUGH

China Announces Plan To Build 600 km/h Maglev

by Richard Freeman

Oct. 12—China Railway Rolling Stock Corporation announced in late September, a plan to build a 968 kilometer (600 mile) maglev line between the cities of Wuhan and Guangzhou, over which the maglev train will travel at the unheard-of speed of 600 km per hour (360 mph). This train line will be constructed over the next 24 to 30 months.

There is simultaneous discussion in China, of increasing the top speed of its maglev to 1,000 km/h, which is equivalent to the cruising speed of a commercial wide-bodied airliner, and eight times the speed of a motor vehicle.

The announcements indicate that China is taking the next necessary step for mankind's transportation.

This will depend on the revolutionary technology represented by maglev, which takes rail transport beyond the level of the "diesel-electric locomotive," which still predominates in many nations of the world, through the realm of fully electric high-speed rail, and beyond that into the realm of the use of the electromagnetic spectrum for lift, guidance and propulsion—a tremendous scientific leap. This is a reflection of the process through which discoveries of new physical principles create qualitative transformations in human knowledge, which are the basis for entirely new economic platforms.

China is using a method that supplements its scientific work: China uses national planning, in the manner

of Alexander Hamilton and Franklin Roosevelt, bringing together thousands of scientists, research labs, universities, business, and high levels of the Chinese government to design and refine a plan. This might be called Hamiltonianism with Confucian characteristics, as it has been assimilated to the best of the 5,000 years of Chinese culture.

This method is exemplified by the development of



A Fuxing high-speed train, Model CR400BF, arriving in Shanghai.

Countries with Most High-Speed Rail in Operation

Rank	Country	Km
1.	China	30,000
2.	Spain	3,100
3.	Germany	3,038
4.	Japan	2,765
5.	France	2,647
6.	Sweden	1,706
7.	United Kingdom	1,377
8.	Italy	1,350
9.	South Korea	1,048
10.	Turkey	745

Source: worldatlas.com, EIR

China's high-speed rail system: China did not have a single kilometer of high speed rail in 2007; it now has 30,000 kilometers (18,000 miles), leapfrogging over other nations, so that it possesses two-thirds of the world's high-speed rail lines. While China leads, several other countries have also built high-speed rail, although much of their construction has lagged during the past decade (see box).

China is also working on the design of maglev freight trainsets, which could travel at 250 km/h (150 mph), and would upshift China's productive process.



A maglev train leaving Shanghai Pudong International Airport.

Transforming a Region

In 2016, the Chinese Ministry of Science and Technology started “18 national key research and development plans,” which included the “China Railway Rolling Stock Corporation (CRRC) starting a special project to research high-speed railcars that reach speeds up to 600 km/h,” the Sept. 5, 2017 *People’s Daily* reported. The only system that has the technological capability to fulfill 600 km/h would be maglev.

China has experience with maglev. On Dec. 31, 2002, the Shanghai maglev train began operation, running 30.5 kilometers from Longyang Road Station in Shanghai to Pudong International Airport. The

train has a rated top speed of 431 km/h (268 mph). The rail line was built by Germany’s Transrapid (a joint venture of the German companies Siemens and Thyssen-Krupp). It is still offering regular service—and is now the only maglev line in commercial use anywhere in the world.

Fourteen years later, in 2016, China set an objective of building a maglev using its own technology. It had acquired much technology from Transrapid, and then produced its own indigenous system, making myriad changes and technological improvements.

Now China seeks to achieve a much greater distance than 30.5 km. By selecting a 968 km route from Wuhan to Guangzhou, the Chinese made a critical choice. The travel between Wuhan and Guangzhou by car is 10-11 hours; by high-speed rail it is four hours; by maglev it would take approximately two hours.

But there is a further objective. The maglev would pass through one of the highest population-density areas in the world. Wuhan, a city of 11 million, is in Hubei province, in central China, whose population is 60 million. Departing Wuhan, the maglev route would pass due south through Hunan province, whose population is 67.5 million, and would terminate in Guangzhou (also known as Canton), a city of 13 million—and a former terminus of the old Silk Road—which is located in Guangdong province, China’s most populous, with a population of 106 million people.

Were Hubei, Hunan, and Guangdong provinces to constitute a country by themselves, the combined population of 233.5 million would make it the fifth most populous country in the world. A maglev train, traversing this region in a mere two hours, would make it possible to leave Guangzhou at 7 in the morning, and arrive in Wuhan at 9 am, for a full day of activity. It would allow this area to function as a unit. People could quickly and reliably get to educational, cultural, and other events in the region. With a maglev



Proposed 968 km Wuhan–Guangzhou rail route.

freight capability, travelling at 250 km/h, manufacturing productivity would explode. All of this would increase the potential relative population density of the entire region.

With a success on the Wuhan-Guangzhou route, China would export this maglev model to other parts of the country.

CRRC Building the Maglev

Maglev trains will be produced by China Railway Rolling Stock Corporation, known as CRRC, the world's biggest producer of locomotive train-sets, internal parts and related products. It is CRRC which produced China's High-Speed Rail network of 30,000 kilometers, which connects nearly all of the major cities of China.

CRRC Qingdao Sifang, a division of CRRC, completed a 600 km/h first-pass, test maglev train this past May, following three years of research. Five potential designs must be narrowed down to a final one. Next year, a more advanced engineering prototype maglev train will roll off the production line. It will be tested at a test facility still to be constructed. If it performs well, and passes the rigorous and stringent test conditions, construction of the Wuhan-Guangzhou maglev line will be started.

This project is a keystone of China's 13th Five-Year National Plan for 2016-2020, and according to the *Wuhan Evening News* it is part of China's "Building Outline for the Construction of a Powerful Country" initiative.

Maglev: Leaving the 20th Century Behind, Entering the Era of Electromagnetism

Maglev represents the progression of rail travel, recording a notable upward arc in technology and science.

Much of the world's rail systems today, both passenger and freight, are powered by diesel-electric locomotives. Diesel-electric trains, for example, comprise a stunning 99% of the U.S. locomotive fleet. They are completely wasteful. A diesel-electric locomotive carries a diesel fuel tank ranging from 450 to 1000 gallons. The diesel engine combusts the diesel-petroleum fuel solely for the purpose of powering an onboard generator to produce electricity, which then powers the locomotive. Why do that? It could be done very simply, without the diesel engine, by transmitting outside electricity directly to the locomotive. And the diesel-electric



CC/N509FZ

A China-designed Fuxing (Rejuvenation) high-speed train, model CR400AF, departing Beijing. Its standard maximum speed is 400 km/h.

tric locomotive is forced to drag along its own fuel, which degrades the speed, especially on an incline.

For these and related reasons, including design, a diesel-electric locomotive can hit a top speed of 230.5 km/h (132 mph), but usually, for safety, generally operates only in the range of 90-97 km/h (50-55 mph) for freight, and 113-120 km/h (70-75 mph) for passengers.

The braking system on a diesel-electric locomotive is also rather inefficient. It uses an air-pump compressor to direct compressed air as a force to push blocks onto train wheels, or pads onto discs, which combine with a "dynamic-braking system," to slow or halt train.

But even diesel-electric is more efficient than the substitution of long-haul trucking for rail, as is being done in the U.S. today.

China's high-speed rail (HSR) system first made the big leap of moving directly to full electrification. The HSR train set does not have to lug around its own fuel. The electricity—produced, say, by a nuclear power plant—is transmitted by transmission lines to catenary wires which run above the path of the train. A pantograph device, attached to the top of the HSR train, extends upward to connect to the catenary and thus brings continuous electricity into the train. The electricity is transmitted directly to electric traction motors that power the wheels of each HSR car. Thus, instead of one or two locomotives at the front supplying all the motive power for a diesel-electric train, in high-speed rail, the motive power is supplied by the traction motors attached to bogies of each car, making the high-speed rail

train more powerful. Further, electrified trains allow the use of regenerative braking, in which the motors are used as brakes and become generators that transform the motion of the train into electrical power that is then fed back into the lines.

Electric locomotives are quiet relative to diesel locomotives: there is no engine and exhaust noise and much less mechanical noise.

There is a three-fold greater energy efficiency: Diesel-powered trains transfer about 30-35 percent of the energy generated by combustion to the wheels, while supplying electricity from an overhead power line transfers about 95 percent of the energy to the wheels. It is estimated that it is 50 percent less expensive to power a train by electricity than by diesel.

For these reasons, the high-speed rail created a powerful force: China's widely-used electric high-speed-rail Fuxing Hao train, travelling with passengers at a cruising speed of 360 km/h (216 mph), transports those passengers *three times faster* than does a diesel-electric train. High-speed rail is making a worthy contribution to the economy.

But the revolution of magnetic levitation moves a bigger step up the ladder: it more fully explores, and flows from use of the electromagnetic spectrum.

Maglev is bare of any wheels. It has neither moving parts, a catenary, a pantograph, or a traditional motor of any kind. How does it do that?

Of the two main streams of maglev, the Chinese use the electromagnetic suspension system (EMS), originally developed by Germany's Transrapid; the other main system is the electrodynamic suspension system used by the Japanese, and originally developed by the Americans James Powell and Gordon Danby.

In EMS systems, the trainset has, extending downward from the trainset itself, what are called "C-shaped" arms, which wrap around a track-guideway. At the bottom of the C-shaped arms are electro-magnets which wrap around and come just under the track-guideway. The track-guideway is also equipped with magnets (see diagram). Turning on the current activates the electromagnets on the C-arms and the guideway, causing attraction, which raises the

C-arm towards the track-guideway, thus elevating the trainset. Electromagnetic attraction in the front of the trainset, and electromagnetic repulsion in the rear of the trainset, is then used for propulsion. Employing a synchronous long-stator, the trainset is moved forward, floating on an "electromagnetic cushion."

The system derives from use of the electromagnetic spectrum, replacing one physical object having to make contact with another physical object.

Cascading Benefits

The Chinese maglev, through removing steel wheel-on-rail contact, virtually eliminates frictional forces, which greatly increases speed. This idea is widely known.

The newly-affirmed plans to build a 600 km/h maglev system at the production facilities of CRRC Qingdao Sifang, and to build a test facility for testing during 2020, go much further in the use of science.

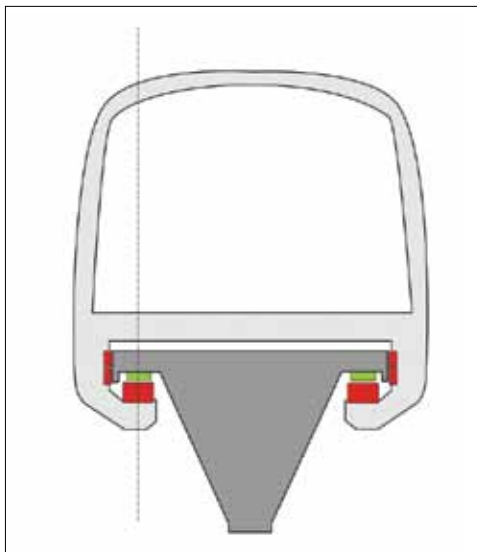
The October 4, 2019 *International Railway Journal*, in an [article](#), "China to Build High-Speed Maglev Test Line," reports:

The [Chinese] test train has a new generation of aluminum-alloy car body which is lightweight while having high strength, and is designed to

mitigate aerodynamic resistance and lift. The train features foil windings for the electromagnets and precision casting for the levitation frame. CRRC has developed the levitation and guidance system, speed detection and location detection system as well as the control system. . . . The train has a 24 megavolt-ampere traction converter system and a high-speed and multi-section traction control system. The train will be fully automatic, for which CRRC has developed a new control system.

Most exciting and important, the *IRJ* reports:

The train uses high-temperature superconducting magnetic levitation technology, which is designed to generate less heat, produce greater



In electromagnetic suspension systems (EMS), C-shaped arms extend downward from the trainset and wrap around a track-guideway equipped with magnets.

traction, and achieve a higher maximum speed than other types of maglev train.

Superconductivity occurs when a material has a critical temperature below which the resistance drops abruptly to zero. In electrical transmission, that means that when a material is in a superconducting state, the electrical current can be transmitted with very little impedance. Originally, with metals, the temperatures below which they are superconductive, were below 30 Kelvin (-243.2°C). Zero Kelvin is called “absolute zero.” But in high-temperature superconductivity, scientists have discovered materials that behave as superconductors at much higher temperatures, as high as 138 K. This means that superconducting magnets could reach superconductivity at higher temperatures, requiring less energy input to keep them cold, making them more efficient and less costly.

Superconducting magnets had not been used in EMS maglev systems before. The Chinese are breaking all the rules.

1,000 km/h Maglev

ZME Science reports, Oct 3, 2019, in an article entitled, “China Will Trial 1,000 Km/h ‘Floating Trains’ in 2020,” that “according to *Changjiang Daily*, the official communications office for Wuhan province, a set of experimental tracks will be laid out early next year in the province that will pave the way for the world’s fastest floating trains.”

The article states that according to *Changjiang Daily*, a 200 km vacuum-tube test tract will be built, in which a maglev system will be tested that could achieve 1,000 km/h (600 mph) speeds. It is not clear whether this plan interconnects with the plan to be built by CRRC Qingdao Sifang, but even if it is separate or parallel, it is indicative of China’s attempt to reach 1,000 km/h.

We Are Coming in Last

China is setting a new path.

Japan is the only other nation in the world that is building an operational maglev system. In 2014, Japan’s Chuo Shinkansen (its maglev system) broke ground on its maglev line that is intended to connect Tokyo and Nagoya, a distance of 260 kilometers (159 miles), with a travelling time of 40 minutes. This is scheduled to be completed in 2027. Then the maglev line would be built outward from Nagoya to Osaka, so that the entire 400



HIGH-SPEED RAIL INFRASTRUCTURE OCTOBER 2, 2019



At 30,000 kilometers, China already boasts the world's most extensive high-speed rail network. Photo: Xinhua

China laying tracks for 1,000km/h maglev trains

If technology proves to be viable, a 2,200-km trip from Wuhan to Guangzhou could be reduced to around two hours

By KG CHAN

China aims to again take the lead in the new global race to make

kilometer (245 mile) trip between Tokyo and Osaka would take only 67 minutes. This project requires an extraordinary engineering feat: very excitingly, it will tunnel beneath the “Japanese Alps,” the Nihon Arupusu.

France, by comparison, began its competent TGV high-speed rail project in the 1980s, and completed the second phase of the high-speed rail Chunnel link in 2007. But while it has done some construction, it has not done much to build out its system since then. It does not have a maglev system.

Germany built most of its high-speed rail ICE system during the 1980s and 1990s, but has not done much of significance to build out its system since then. Germany began planning for its pioneering Transrapid maglev system in the 1970s, and built its Emsland test track in 1987. In 2012, the Emsland track was shut down.

In the United States, 99% of all rail runs on a diesel-electric system, a system more appropriate for the 1950s than 2020. It has but 34 miles of genuine electrified high-speed rail; no maglev exists.

China, having built its 30,000 km high-speed rail network—which it is expanding—is pursuing a path opposite to the pessimism seen with respect to rail in the West. Its high-speed rail and maglev systems will set a standard for the Twenty-First Century. Why can’t we do that here?

EDITORIAL

President Trump Has Launched An Historic Sea Change

by Michael O. Billington

Oct. 14—The extraordinary transformation taking place in Syria today reflects a global phase-shift which President Trump has launched over the past weeks, in coordination with Russia's Vladimir Putin, China's Xi Jinping, India's Narendra Modi, Pakistan's Imran Khan, and several leaders in the Middle East.

Although the situation on the ground in northern Syria is very much in flux, there can be no question but that the potential for ending the war in Syria, and beginning to resolve other historical "hot spots" in East and Southwest Asia, all created by the British Empire, is well under way. President Trump has, in the past few weeks, declared political warfare on the decrepit and corrupt U.S. establishment, including both political parties, the entire corporate press, and the financial institutions behind the "military-industrial complex," which he attacked by name.

Trump acted upon his campaign commitment to "end these endless wars" when he declared the pull-back, and eventual pull-out, of U.S. forces in Syria.

At the same time, President Putin—with whom Trump has coordinated the military operations against ISIS in Syria—is visiting Saudi Arabia, offering fulsome praise to the Saudis for their role in bringing the war in Syria to an end. The Saudi leaders expressed their intent to maintain close friendships with both the U.S. and the Russians—another blow to the British imperial division of the world into enemy "blocs."

Also at the same time, Pakistan's Prime Minister Imran Khan is in Iran, and from there will go to Saudi Arabia. Khan expressed explicitly his intent to facilitate bringing the historical conflict between Shi'a Iran and Sunni Saudi Arabia to an end, an effort which is being welcomed by both sides. Recall that President Trump earlier asked Prime Minister Khan to mediate a resolution to the U.S.-Iran conflict, which Khan also discussed with President Rouhani.

This all comes within days of the partial trade agreement between the U.S. and China, as well as the historic "informal" visit of Xi Jinping to Prime Minister Modi in India, where the two leaders discussed a 100-year perspective for cooperation between the world's oldest and largest nations. And recall that when Prime Minister Modi visited the United States in September, President Trump joined him on stage in Houston before 50,000 enthusiastic Indians and Indian-Americans.

This diplomatic and cultural offensive has placed the leaders of "the Four Powers," as Lyndon LaRouche described them—Russia, China, India, and the U.S.—as well as other world leaders, on a common historical mission, with the potential to end the British Empire and the imperial divide of the world into "them" and "us," once and for all.

And yet, if one's only access to the news of world events were the corporate press in the U.S. and Europe, one would know none of this. Instead, one would read

EDITORIAL

diatribes about the evil Russian leader and the murderous dictatorship in China. Even Fox News, which has played a positive role in exposing the Russiagate hoax against President Trump, has barely reported Trump's significant breakthrough with China, while filling its schedule with vile, lying diatribes against China, and accusing Trump of "selling out" to Putin in Syria. Trump has correctly identified the majority of the Congress, of both parties, as war mongers who are beholden to the military-industrial complex.

The media is equally silent about the fact that the U.S. Federal Reserve has, over the past month, been frantically pumping hundreds of billions of dollars into the banking system, trying to prevent a repeat of 2008, this time on a far grander scale. On Thursday the Fed is reviving "quantitative easing" (QE)—pumping \$60 billion per month, and perhaps much more, into the banks through at least the second quarter of 2020. What's the view of the media on this virtual acknowledgement that the system is beginning to

crack? "I'm all right, Jack."

The efforts of the eco-fascist mobs, and their financiers the major banks, to enforce policies of deindustrialization and depopulation under the fraud of preventing anthropogenic climate change, are beginning to have the opposite effect to that intended. There is a wave of reason sweeping through the American people, including the youth, recognizing the insanity of the dark age being proposed and responding to the signs of inspiration coming from the President—in the Moon-Mars program, his ending of the "endless wars," and also his rejection of the lies about CO₂ and climate change. These are the issues Lyndon LaRouche fought for over the past 50 years, and the reason he was targeted and put in prison by the oligarchy's war party and speculators—the same who are targeting Trump today. The exoneration of LaRouche today will free the minds of the population denied access to his ideas over these past decades. This would be Trump's best move of all.

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