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The LaRouche Plan to Reopen the U.S. Economy

The World Needs 1.5 Billion New, Productive Jobs



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The LaRouche Plan To Reopen the U.S. Economy

The World Needs 1.5 Billion New, Productive Jobs

EDITORIAL

April 1997

THE HANNIBAL PRINCIPLE Superior Strategy Can Defeat the British

by Lyndon H. LaRouche, Jr.

Mr. LaRouche addressed an audience of some 40 exiled leaders from Africa's Great Lakes Region at a conference in Walluf, Germany on April 26-27, 1997. See EIR, May 23, 1997 for the report, and the full presentations from that [conference](#). During the discussion period, Mr. LaRouche presented "The Hannibal Principle," explaining how a small force, of superior intellectual and moral qualities, can defeat an enemy which is stronger in sheer military power. Subheads have been added to the edited transcript which follows.

The point to be made is elementary and crucial.

Outside Arbela, on the plains of Gaugamela, a relatively small force, commanded by Alexander the Great,

Editor's Note: This article first appeared in *EIR*, Vol. 24, No. 24, June 6, 1997, pp. 27-29.

advised by his friends and counselors from the deceased Plato's School of Athens, destroyed the Persian forces and the Persian Empire, destroyed the power of Babylon, essentially forever, as an empire. A student of this event, Hannibal, was outside Rome, faced by superior Roman forces. In his forces—which included a lot of what are called auxiliaries, which are about the fighting quality of diplomats—he had a Carthaginian infantry, heavy infantry, which was capable; he had a Carthaginian cavalry, which was capable; he had a secondary cavalry, which was not perfect but was capable; and, a number of auxiliaries.

But, he was near the lake. He was outnumbered, and we say, for the weapons of the time, outgunned by the Roman forces. Under these conditions, he placed his heavy infantry in the front lines to hold the assault of the Roman forces. And he launched a double envelop-



National Archaeological Museum, Naples

A Roman mosaic depicting Alexander the Great defeating the Persian king Darius III on the plains of Gaugamela in 333 B.C.

ing attack by cavalry forces, including his heavy cavalry and light cavalry, against the flanks of the Roman forces. The light cavalry served as a diversionary force, while the heavy cavalry did the job. The Roman forces, which were too closely packed together, stumbled over each other's feet, and the entire Roman force was slaughtered, eliminated, annihilated.

We have similar cases of that. There was a case in the Civil War in the United States, in which General Grant acted in the place of the Carthaginian infantry, marching down to Virginia, and General Sherman marched through, with flanking operations, a vastly superior Confederate force—destroyed Atlanta, and came up on the rear of the Confederate forces, with the result of the defeat of the Confederacy. One of the most brilliant operations in history.

During the course of the time that the British were planning World War I, that is, under the Prince of Wales who later became King Edward VII, because of their objection to the Land-Bridge program at that time, as had been proposed by the Americans, Henry Carey and so forth, the British organized war. They secured France in 1898 as an ally in the Entente Bestiale, sometimes known as the Entente Cordiale, and they suckered Russia, which had been an ally or friend of Germany and the United States, along with Belgium, as partners in an East-West assault on Germany, which was planned over years.

In response to this, the German General Staff, under Graf Alfred von Schlieffen, devised a plan, called the Schlieffen Plan, which was, again, to hold a position in what was then Alsace-Lorraine, which is the heavy infantry position, and engage in a massive enveloping attack on the northern flank of the British and French forces.

Had the attack been carried out as specified by von Schlieffen, within a matter of several weeks of the war, the British Expeditionary Force would have been annihilated, and the French would have been defeated, and the Russians would have gone home. Because the railroad system of Germany would have carried the troops from the Western front—certain skills have been learned, military skills have been—to the Eastern Front, and the Russians would have said, "Peace, no war in Europe."

During World War II, General MacArthur, with very limited forces, launched, from a vulnerable place in Australia, a counteroffensive against the Japanese Empire, in which he was supported by President Roos-

velt, but with limited means, and supported by one section of the Navy, though the other section of the Navy opposed him.

And, there were two American wars fought in the Pacific. There was General MacArthur's war, which was to bypass as many Japanese forces as possible, with heavy battles in the Solomon Islands and in New Guinea, particularly where the Australians were playing a key role. But then, bypassing the Japanese islands, leaving them isolated, useless for military purposes. And, by the time that MacArthur had reached a position outside the main islands of Japan, Japan was defeated.

There was another war, which was run by some of MacArthur's political adversaries in the U.S. Navy, which used Marines who died on islands totally unnecessarily, in battles which should never have been engaged, let alone fought. They were unnecessary battles. And then, to cap it off, at the end, after the Japanese had been defeated, stupid President Truman, an evil little man, dropped two unnecessary atomic bombs on a Japan which had already been defeated, and then claimed he'd saved a million lives. Typical of that type of politician. You may have met one or two in your life.

The Flanking Principle in General

Now, the principle I wish to emphasize, is not military principle, but a principle of conflict, which is applicable to our situation in a general way, applicable to the global situation, not only to the situation of Africa.

What is engaged in the flanking principle? What is engaged in the art of warfare of the MacArthurs, the Shermans, the von Schlieffens, or the case of Alexander the Great? What's the principle?

It's to accomplish something with the greatest economy of force, with the greatest economy of effort, with the least bloodshed, in the most decisive way, in the shortest possible time. Not to annihilate the enemy, not to kill, but to destroy the adversary's ability to continue organized warfare, which is called victory. That is, you annihilate the capability of the enemy to continue war, with the least possible killing.

What is really engaged, is this. For those of you who have had some military experience, particularly in training and watching how training works: The essential part of military training is entirely in the mind. You might say it's to train the soldiers not to step over each other's feet as they march. It's a matter of learning to work together. And, the point where the training is suc-

cessful, is not only when certain skills have been learned, but when each member of the unit has a greatly increased confidence in their individual ability, because they now know they are part of a cooperating unit, which has certain collective skills.

And you'll see a difference between the morale of the soldiers sometimes before they're demobilized, as against after they're demobilized. A demobilized soldier will generally be a much more fearful person, a less courageous person, than a soldier just before demobilization.

How, the commander has these troops to deal with. Now, presuming the case that the troops were equally trained and equally well-equipped, then the decisive thing, would be the mind of the commander, the ability of the commander to conduct a flanking operation, and to execute it in a way which Clausewitz in his posthumously published memoirs describes as *Entschlossenheit*. The quality of decision.

The Essence of Warfare

What I want to focus on, is that quality of decision, with one qualification first. That what I've described, is that the essence of warfare is not killing. The essence of warfare lies in the nature of man. Some people kill as beasts, and they call themselves soldiers. They're not soldiers. They're a disgrace to humanity, a disgrace to the profession.

Man is a creature of ideas. Human conflict must be ultimately resolved in the mind, in the powers of the mind to understand the cause of the problem—the same way man masters nature, increases man's power in the universe

The great military commander of the type that does the great flanking operation, such as Alexander the Great, or Hannibal, or Sherman, or designed by von Schlieffen, or MacArthur in World War II, actually has a superior mind to his opponent. And that's the secret of the great commander, all other things being equal.

It's the same thing in all politics. We say, "We have a great enemy. Yes, the British Empire. The British Empire controls this, the British Empire controls that." *Like the Persian host before Alexander*. A great power—"Oh, you can't fight them! They will always win. You will see: the IMF will remain eternally powerful. The World Bank—oh, it's awesome! The British Empire: terrible, frightening, you mustn't fight it."

Well, these observations are not the observations of

a useful commander in warfare, saying, you know, "Let's surrender now. The enemy's frightening."

Well, yes, the enemy is powerful. What's the enemy's strength? The enemy's strength is largely his control of his troops. Number one, the morale of his troops. The morale of his troops depends upon the troops' confidence in the monetary and financial system, and the political strength of populations, and commitment of populations to support the governments which support these policies.

Therefore, use the military analogy to say how would you command a fight to destroy the British Empire and its allies? You would think like a commander in warfare: Define the position, the moment, and the place and the time, that the enemy's strength has been converted into his weakness, like the Roman soldiers at Cannae, too closely packed together; where their great strength was converted into their weakness, and exploited.

What's the enemy's great weakness? The collapse and weakening of his financial and monetary system when the confidence of his supporting forces and auxiliaries in him is at a minimum. And that's the moment to strike.

Now, in the meantime, we're in a negotiating position. I'm not saying the situation of Africa is hopeless until that moment of decision comes. But I'm saying that the battle can not be decisively won, until that moment of decision comes, what the qualities are we must demand of potential leaders and the flanking attack is executed. There are other possibilities, in the meantime, to enhance the position. It's like a maneuvering for position. Yes, a certain maneuvering for position can be done.

The British Empire Can Be Defeated

But, what's the crucial issue here? The crucial issue—my problem—is, there is not a government on this planet today, which has the *Entschlossenheit* to make the decision needed to defeat the enemy, at the moment the enemy can be defeated. That's the problem. That's where the passion comes in.

The problem is, with a commander, that when a commander sees a flank, and he thinks about deploying his forces on a flank, and he thinks about deploying his forces on a flank, the commander is putting his entire command and its organized fighting capability at risk, in jeopardy. Therefore, he must judge the situation cor-

rectly; and once he has judged the situation correctly, he must act with absolute resolution, unflinchingly, and must make sure that all the troops in his command do the same. Otherwise, he loses the war.

I can guarantee you, that we are approaching a situation on this planet, where the enemy, the British Empire and all that it represents, can be administered a decisive defeat. The thing that makes that defeat of the enemy unlikely, is the fact that there's no commander of forces in the field who has the intellect and will to make the commitment of forces which *can* defeat the enemy, at the time the opportunity occurs.

And, our job, my concern, my great concern, is precisely that. I know how to defeat the enemy; but, I know the commanders in charge today, won't defeat him—can't. They lack the nerve. They lack the intellect. They don't believe in themselves. They're wishy-washy. "Oh, we've got to talk to more people, we don't have enough people on our side. We don't have enough troops. We don't have enough this."

You're not going to get any more troops; you're not going to get any more support. This is what you've got. You're going to fight the war to lose or win *now!* *You must act!* And act with decision, not like young Moltke in World War I, not vacillating while adjusting a little bit here, a little bit there, and so forth.

This is not a battle of blood, though there's a lot of blood spilled. This is a battle of nerve, political nerve, to decide to change the world monetary system into a just one. It can be done. We can win. But the principle is not the principle of blood and fists and stones and bullets, even though there are often blood and stones and bombs and lasers and bullets involved. The principle is a higher one, more in accord with the nature of man, as a creature of ideas.

That's the point on which we must concentrate, to understand this in that way. And we can win. And we can know what the qualities are we must demand of potential leaders in acting. Our problem is to take people who are in governments, who are potentially capable of commitment, who are in a position of power to act, and to cause them to come to the state of mind and certainty, that they will act. And that's the point.

It's much easier to be the President of the United States; then I could solve the problems of the world. I'm not. I don't have the power. Therefore, we have to find a way to cause the more positive elements in power in the world, to make the commitment intellectually and to find the passion to make the decision at the moment of opportunity. And, that's the lesson of Cannae.

Cover This Week

An additional turbine unit under construction in 1991 for The Dalles Dam on the Columbia River in Oregon.



ACE/Bob Heims

The LaRouche Plan To Reopen the U.S. Economy

THE WORLD NEEDS 1.5 BILLION NEW, PRODUCTIVE JOBS

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The Hannibal Principle

Superior Strategy Can Defeat the British

by Lyndon H. LaRouche, Jr.

April 1997

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I. Creating a Future

The LaRouche Plan to Reopen the U.S. Economy

The World Needs 1.5 Billion New, Productive Jobs

The following LaRouche PAC report was researched and written by Robert L. Baker, Dave Christie, Richard Freeman, Paul Gallagher, Susan Kokinda, Brian Lantz, Marcia Merry Baker, William F. Roberts, Dennis Small, and Helga Zepp-LaRouche.

CHAPTER 1

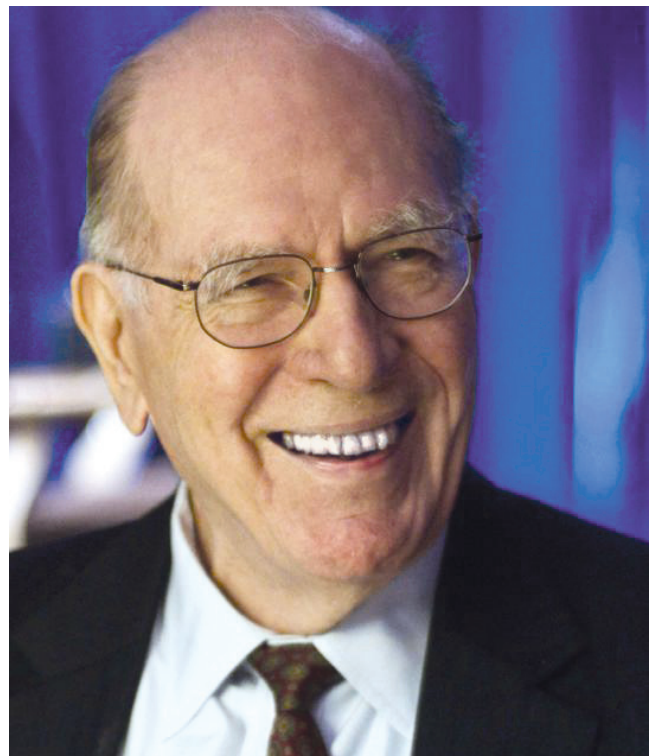
Introduction

The individual who contributes to making society good is worth a thousand times the individual who wanders through life scattering only individual good deeds. For, a bad society will crush the good contributed by its individual members.... Who makes society good thus preserves the goods contributed by thousands and millions of individuals.

—Lyndon LaRouche,
The Science of the Human Mind, 1984

Mankind is now living with the terrible consequences of tolerating the “bad society,” of which Lyndon LaRouche warned. The COVID-19 pandemic has exposed the criminal failure of the neo-liberal imperial system resulting in hundreds of thousands of deaths, an unprecedented disruption of economic and food supply chains, historic levels of unemployment, and uncounted millions of lives threatened with other diseases and starvation. Looming over this cost in lives and livelihoods is a \$1.8 quadrillion financial bubble which cannot survive, despite the central banks’ hyper-inflationary attempts to do so.

This is not a series of individual crises. This is *systemic*, and can only be addressed by a *new system*, based on fundamentally different principles than those



Lyndon LaRouche. If the world had “listened to the wise words of Lyndon LaRouche,” as former Mexican President José López Portillo had urged, the U.S. and world physical economic catastrophe of the last 50 years could have been avoided. That is why LaRouche, the man and his ideas, must be exonerated today.

of the current monetarist, Malthusian globalist structures. At the heart of this evil, this “bad society,” is the denial of the right of billions of people, including hundreds of millions of Americans, to contribute to the physical development and scientific advance of their economies. That is what has left so many nations defenseless in the face of the virus and ensuing economic collapse. The economic breakdown crisis we are facing today was not created by the coronavirus pandemic. It has been in plain view for 50 years of bad policies for anyone willing to think it through, which is why Lyndon LaRouche was able to forecast that this sort of pandemic would necessarily emerge at some point. And now it has.

Lyndon LaRouche challenged us to make society good. What does that look like? Are you among the 50-plus million Americans who are out of work? Need a productive job? So do 1.5 billion other people on this planet.

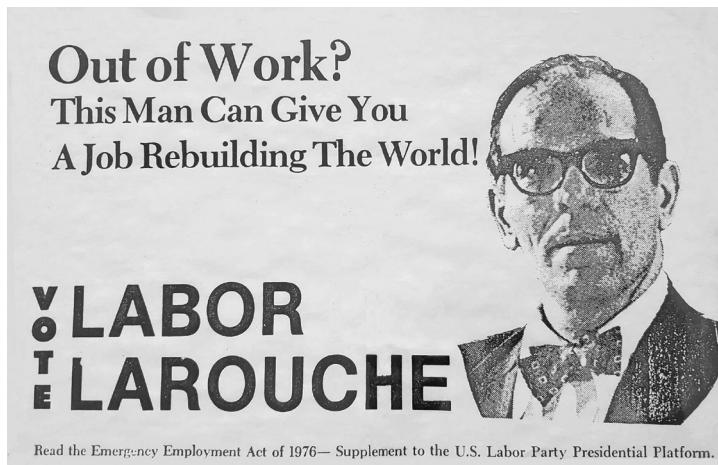
The world needs 1.5 billion productive jobs which currently do not exist, and could not exist under the current monetarist system. The American economy must be completely reconfigured, employing half of its labor force into real goods-producing—not “gig economy” service jobs—with a target of creating 50 million productive jobs. Those jobs would be driven by the mission of producing the food, health care, infrastructure, and capital goods to rebuild our own nation and to help transform underdeveloped nations, ensuring that they have the power to transform their economies and workforce similarly, creating 1.5 billion new productive jobs globally. The 50 million new jobs in the U.S. is only 3% of the total required worldwide. But it is actually the key to the success of the whole effort, planet-wide. Here’s why.

When Lyndon LaRouche first ran for President in 1976, his campaign theme was, “This man wants to give you a job, rebuilding the world!”

The Physical-Economic Approach

Twenty years later, addressing new potentials for that same idea, LaRouche declared,

There is no need for anybody on this planet, who is able to work, to be out of work! It’s that simple.... If the United States, or the President of the United States, and China, participate in fostering that project—sometimes called the



“Silk-Road” Project, sometimes the “Land-Bridge” Project—if that project of developing development corridors, across Eurasia, into Africa, into North America, is extended, that project is enough work, to put this whole planet, into an economic revival....

So that, what we have here, is a set of projects, which are not just transportation projects, like the transcontinental railroad in the United States, which was the precedent for this idea, back in the late 1860s and 1870s. But you have development corridors, where you develop an area of 50 to 70 kilometers on either side of your rail link, your pipeline, so forth—you develop this area with industry, with mining, with all these kinds of things, which is the way you pay for a transportation link. Because of all the rich economic activity: every few kilometers of distance along this link, there’s something going on, some economic activity. People working; people building things; people doing things, to transform this planet, in great projects of infrastructure-building, which will give you the great industries, the new industries, the new agriculture, and other things we desperately need.

Lyndon LaRouche’s [Four Laws](#) (“The Four New Laws to Save The U.S.A. Now! Not an Option: An Immediate Necessity,” June 10, 2014) will reorganize the U.S. economy to do that. His [proposal](#) for a Four Power Summit between the United States, Russia, China, and India to organize a new international financial system, a New Bretton Woods, should be convened immediately to address the urgent pandemic, hunger and financial

crises before us—that is, to replace the modern-day British Empire with a New Paradigm based on sovereignty, development and classical culture.

We must break Americans out of the polarized and controlled agenda of the mass media, which declares that there only two alternatives—defeat the virus and kill the economy, or “open” the economy even if it means losing lives of the most vulnerable. In reality, the economy was already dead, killed by the \$1.8 quadrillion financial parasite (which the central banks continue to bail out at rates far, far greater than the emergency funds being allocated to people, businesses, and governments). That is *not* the economy that should be reopened. Nor can it be one based on a new, zero-growth “Green” financial bubble to replace the current, collapsing one, which the City of London and Wall Street are now intent on conjuring into existence.

In the following pages, we present to you a mission, and we present to you a method, informed by Lyndon LaRouche’s thinking, for accomplishing that mission.

How Did We Get Here?

In the 1930s, the Tennessee Valley Authority was considered the eighth wonder of the world, taking one of the poorest sections of America and transforming it into a powerhouse of higher energy-flux density economic production. In the 1940s, Americans created a manufacturing and machine tool miracle which allowed allied soldiers to win the war against fascism. In the 1960s, President Kennedy challenged us to land a man on the Moon by the end of the decade, and we did, discovering new physical principles and revolutionizing our economy.

Two years after the Moon landing, on August 15, 1971, our economic sovereignty was stolen by the financial lords of Wall Street and the City of London, who used their monetary power to create a globalized modern-day British Empire.

For the next five decades, most Americans accommodated to that monetarist system, protesting aspects of it at times, but, basically learning how to survive within it. Americans gradually stopped producing and started hustling.

Lyndon LaRouche, instead, challenged that system. He warned that it would inevitably fail, by virtue of its profoundly evil and fatal policy of sacrificing physical economies, human productivity, and lives to speculative financial income streams and the anti-human intentions of the global elite. He developed the scientific

principles needed for sovereign nations to reclaim their economies in the tradition of Alexander Hamilton’s American System, and urged peoples and nations to act before the inevitable happened.

The inevitable has happened.

The global pandemic has only removed the façade, exposing the tragic transformation of the agro-industrial base of western economies into hollowed out consumer- and entertainment-driven service economies. It has ripped the mask off the equally tragic idea that the “underdeveloped” countries could remain permanently underdeveloped, without genocidal consequences.

Fifty million Americans are unemployed or barely employed, many of them discovering painfully that their jobs have nothing to do with meeting real human needs, and are not coming back.

Throughout the world, but especially in underdeveloped nations, people are faced with the impossible choice of continuing their informal activities and likely contracting or spreading COVID-19, or locking down and subjecting themselves and their families to hunger—and in the case of hundreds of millions of people, especially in Africa, outright starvation. World Food Program Executive Director David Beasley recently warned that 821 million people worldwide are chronically hungry, another 135 million are “acutely food insecure, meaning they are on the brink of starvation.” He added that under the hammer blows of locust plagues, collapse of supply chains and the pandemic that number could double. He warned of 300,000 preventable deaths *daily*, and “multiple famines of biblical proportions.”

How can this be happening in a world where American farmers are euthanizing their livestock and chickens and dumping milk? How can the basic needs of survival be lacking in the face of mass unemployment and underemployment which pre-dated the pandemic?

Because this is the intention of the British Empire. It has been politely rebranded as “globalization,” but Prof. Niall Ferguson, an unabashed promoter of British imperialism, more accurately identified it as “Anglo-globalization.” The spokesmen of that Empire have been explicit, for centuries, about their preference for genocidal Malthusianism, which they are today trying to repackage as “Green environmentalism.”

They Say It Themselves

Take the case of Prince Philip of the United Kingdom, who in 1988 stated:

The more people there are, the more resources they'll consume, the more pollution they'll create, the more fighting they will do. We have no option. If it isn't controlled voluntarily, it will be controlled involuntarily by an increase in disease, starvation, and war.... In the event that I am reincarnated, I would like to return as a deadly virus, in order to contribute something to solve overpopulation.

Or Bertrand Russell before him, whom Lyndon LaRouche called the most evil man of the 20th Century, who stated in 1951:

War has hitherto been disappointing in this respect [population control], but perhaps bacteriological war may prove effective. *If a Black Death could spread* throughout the world once in every generation, survivors could procreate freely without making the world too full. [Emphasis added.]

Or go back a couple of centuries to the evil Parson Thomas Malthus, who wrote in his 1791 *Essay on the Principle of Population*:

We should facilitate, instead of foolishly and vainly endeavoring to impede, the operations of nature in producing this mortality; and if we dread the too frequent visitation of the horrid form of famine, we should sedulously encourage the other forms of destruction, which we compel nature to use. In our towns we should make the streets narrower, crowd more people into the houses, and *court the return of the plague*. [Emphasis added.]

This kind of imperialism or oligarchism, as LaRouche defined it, is grounded in the idea that man is no more than a creature of his senses, an animal which has to react to the world as it is, a hedonist in search of maximizing pleasure and minimizing pain, and which can be manipulated and culled as needed. The idea of “herd immunity,” which argues, “let nature take its natural course, we have no power over it,” is a recurrent incarnation of this idea.

To the contrary, Lyndon LaRouche located man's unique ability to create new and better ways of doing things, based on the discovery of new universal physical

principles, as the substance of economics. LaRouche's original and unique conception of Potential Relative Population-Density corresponds to the power of society to maintain a rising total population, with rising longevity, a rising standard of living, and with augmented access to classical culture, such that the rate of future scientific discovery and technological advance can outpace the growth of population per se. This depends on the ability to produce improved market baskets of consumer goods, production goods, and infrastructure, on a per-capita and per-square-kilometer basis.

If such capability falls, then society will predictably devolve, to the point where the Potential Relative Population-Density drops below the actual total population—as has happened globally over the past 50 years, with the disastrous consequences we are witnessing with the coronavirus pandemic today, and as LaRouche warned in [studies](#) in the 1970s and 1980s.

The solution lies in a dramatic about-face in the world's plunging relative potential population-density, through the equally dramatic increase in the productive powers of labor, a concept at the heart of Alexander Hamilton's American System and Lyndon LaRouche's Four Laws.

LaRouche's Physical-Economic Forecast

With his ability to forecast the future in order to change it, Lyndon LaRouche described the nature of today's crisis and its solution in 2007:

If the United States—and this is not impossible—if the United States should extend a proposal to Russia, to China, and to India to co-sponsor the formation of a new international monetary financial order, that could be done.... We have now an incalculable crisis worldwide in progress. This is not a financial crisis.... This is a crisis to see who is going to run the world. Is it going to be a group of nations, or is it going to be the re-emergent British Empire which never really went away—which takes over from the United States and establishes its world rule through globalization?

President Donald Trump came into office with the mandate for and the intention to rebuild American infrastructure, revitalize industry, and relaunch our space program; to end perpetual wars and normalize relations with Russia and China; to put an end to the speculative

looting of economies with a return to the FDR-era Glass-Steagall law. For the past three years, the British Empire and their American assets have been engaged in an attempted coup against the President to prevent any movement in the direction of those policies. Now is the time for that coup to be defeated, and those policies immediately implemented—along with the full program we present below.

The pandemic, the economic collapse, and the immediate threat to hundreds of millions of lives, now call the question on the fight between the two systems—the one based on encouraging, not millions, but billions of lives to be eliminated; the other, based on increasing the

creative and productive output of those same billions and future billions.

What follows is a concept of how to unleash the people of the United States to play their indispensable role in that fight, by creating 50 million new productive jobs, by reconfiguring the American economy and workforce with directed investments in manufacturing, agriculture, space exploration, and advances in thermonuclear fusion, as part of a global crash program to create 1.5 billion new, productive jobs worldwide. These are guidelines of the needed approach, with further details to be filled in based on input from engineers, farmers, scientists, manufacturing workers, and others.

CHAPTER 2

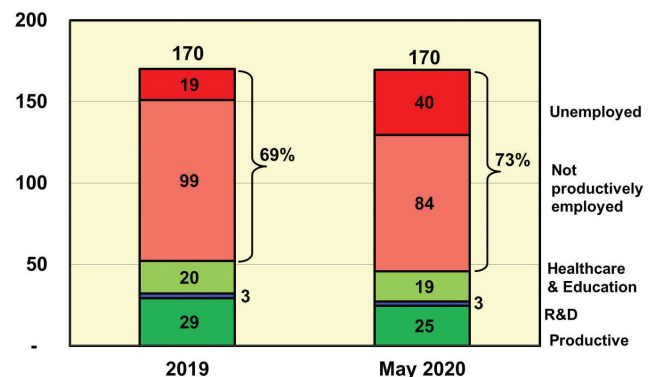
Brother, Can You Spare a Job?

As of the second week of May, 50 million Americans are now unemployed or forced into part-time employment. Even before this employment collapse, about 44 million, did not have *productive* (e.g., goods-producing) employment—manufacturing, construction, mining and drilling, agriculture and forestry, transportation—nor were they scientists or engineers. This exposed a shocking fact: Before the coronavirus crisis struck, the old joke had come true: “Millions are idle!—fortunately, most of them have jobs.” Some 69% of the American labor force (including those who were unemployed, had stopped looking and dropped out of the labor force) did not have productive employment. This was almost 120 million people. (See **Figure 1**.) Now, a very large share of those Americans is truly unemployed, or forced into part-time work.

This shows the absurdity of textbook definitions of unemployment: someone wants to work but doesn’t have a paying job, i.e., not receiving income.

Contrast that monetarist view to Lyndon LaRouche’s concept which started from the standpoint of physical economy: of a person’s participation in the process of producing the physical goods, and related necessary services (such as health and education), required to increase society’s power to provide an improved standard of living and culture to a growing population—a power Lyndon LaRouche referred to as potential relative population-density. Having a “job” in the drug trade and making \$1 million a year is *not* actual

FIGURE 1
U.S. Real Unemployment
(millions)



productive employment. LaRouche developed a unique pedagogy of “bar diagrams” (see **Figure 4**) to focus our attention on that actual physical-reproductive process:

Since potential relative population-density is a material relationship of society to nature, this potential is determined most immediately solely through activities in the form of production of goods.... This approach must replace the methods of national-income analysis associated with the U.S.A. usage of “Gross National Product.”

From that standpoint, now look at the U.S. and world economies.

FIGURE 2

World Real Unemployment

(millions)

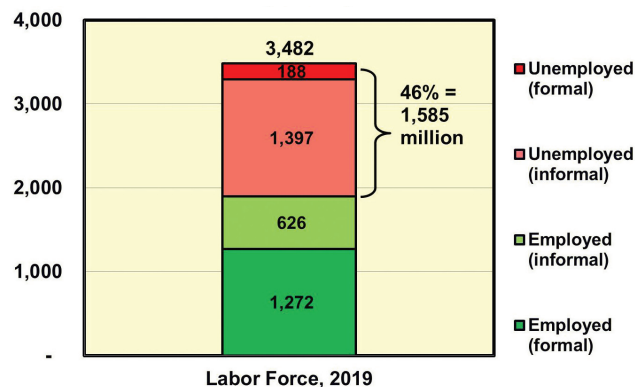


Figure 1 shows the result of five decades of deindustrialization and deterioration of the American economy, once the “Arsenal of Democracy,” into a globalized “service economy” which is now in collapse. Some service sector jobs are useful and necessary, such as healthcare and education, and are also productive in that sense; but the lion’s share of service jobs in the American economy today are not—such as financial, hospitality, and so-called professional business services. Taken together with the unemployed, this amounts to a shocking 73% of the current labor force. Moreover, many of the roughly 5 million Americans who had productive jobs and are now not working (and this is almost 25% unemployment among America’s productive workforce), face the potential of their jobs not coming back. How many airline employees, oil drilling company employees, and auto industry employees will be working in those industries next year? If we look at the world labor force from the same physical-economic standpoint, as shown in **Figure 2**, we find that total real unemployment for the planet can be estimated at about 46% of the labor force.

That is 1.585 billion people who do not produce any physical economic value because, over the past half century and more, they have been dumped onto the human scrap heap by the British imperial system of the City of London and Wall Street—and barely survive from day to day. In the case of Africa the real unemployment rate is 65%. In the case of Ibero-America it is 42%. (See **Figure 3**.)

We arrived at these numbers by not only looking at official unemployment statistics (which grossly under-

FIGURE 3

World Real Unemployment

(millions)

Real Unemployment, 2019 (millions)	World	Africa	Ibero- America
1) Total Population	7,711	1307	646
2) Total Labor Force	3,482	490	310
3) Official Unemployment	188	33	20
4) Total Employment (2-3)	3,294	457	290
5) Informal Employment, Total	2,023	391	156
6) Informal Employment, Non-agro	1,664	328	144
7) De facto Unemployment *	1,397	285	111
8) Total Real Unemployment (3 +7)	1,585	318	131
9) Total Real Unemployment Rate (8/2)	46%	65%	42%
* (Non-agro informal employment) — (informal employment in the formal sector)			
Source: ILO; own elaboration			

state the reality), but also the masses of people who hustle and scramble so that they and their families can eat from one day to the next, but who don’t actually *produce* anything. This is the case with so-called “informal employment” worldwide, which involves a staggering number of people: more than two billion, in fact, which more than 60% of the planet’s total labor force. Youth are particularly victimized by this “informal” disease—in the 15-24 age cohort worldwide, 77% of all employment is informal. According to the [definition](#) provided by the International Labor Organization (ILO):

The informal sector consists of units engaged in the production of goods or services with the primary objective of generating employment and incomes to the persons concerned.... The main intended destination of the production is wholly for own final use.

This includes: (1) Informal employment in agriculture: desperately poor peasants and their families engaged in subsistence agriculture (this is about 25% of the total informal employment); (2) A smaller number of “informal” (or off the books) employees in the formal sector as such (about 10% of the total); and (3) The deregulated netherworld of street salesmen, service workers, and—in the worst cases—virtual slaves of Dope, Inc.’s drug trade and prostitution/pornography black economy, run by the British Empire’s banks (about two-thirds of the total).

It can be argued that the first group at least produces



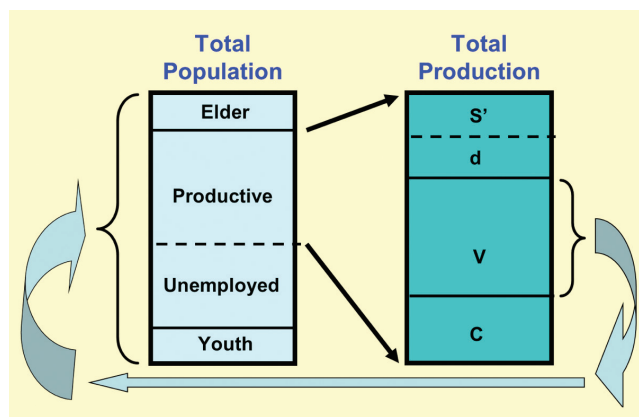
EIRNS/Mark Sonnenblick

A haunting picture of a young Peruvian girl—hungry, exhausted, frightened, with no hope for the future, yet crying out to the heavens for justice—chewing coca leaves in order to be able to perform another day of exhausting “informal labor” in the fields.

enough for their own and their families’ immediate consumption, albeit at a horribly low level of productivity. We consider them as “employed,” along with the second group, in an effort to present a conservative estimate of real unemployment. The third group, however, produces *zero* net physical economic value. They are *de facto* unemployed, from the standpoint of the physical economy. Now that the coronavirus pandemic is striking the underdeveloped sector with a vengeance, even the meager daily incomes and food supply of the gigantic informal sector is going up in smoke.

The ILO estimates that people in the informal sector have already had a 75-85% drop in income. As ILO Director-General Guy Ryder succinctly put it on April 29: “These are the real faces of the world of work. If we don’t help them now, they will simply perish.” There is no greater source of waste on this planet than this mass unemployment—and resultant death by disease and starvation—of millions and even billions of precious human beings. The path to recovery lies in productively employing and mobilizing them to vastly increase the productive powers of labor—the only actual source of

FIGURE 4



wealth in a human economy.

LaRouche on the Bar Diagrams

Since potential relative population-density is a material relationship of society to nature, *this potential is determined most immediately solely through activities in the form of production of goods*. If other forms of activities, other than production of goods (or, the transportation which is the conveyor-belt for the production and distribution of goods), do affect this potential, they accomplish this through the mediation of the relative productivity of the labor producing goods....

Education, medical services, and administration of production and distribution directly affect the productivity either of productive labor or of the organization of the productive process as a whole, and also determine the effectiveness with which necessary services and administration mediate such improvements in productivity....

This labor-force is, so to speak, the input to the productive process defined by production of goods and associated transportation. The right-hand bar depicts the input-output relationships....

This geometric proportioning of the elements of the reproductive cycle is the basic geometry of the economic process for purposes of defining national income.

This approach must replace the methods of national-income analysis associated with the U.S.A. usage of “Gross National Product,” and the “Gross Domestic Product” usages of the UNO and various nations.

(From Lyndon LaRouche’s 1981 [report](#), “The Principles of Statecraft for Defining a New ‘North-South’ Order.”)

How to Create Millions of New, Productive Jobs for the U.S. and the World

Faced with an unemployment crisis similar to today's, President Franklin Roosevelt created 4-5 million jobs during 1933–44, using a *national credit institution*. He made the Reconstruction Finance Corporation (RFC) act as a large national commercial bank issuing credit for investment in production and infrastructure. (See Chapter 7 for further elaboration of American System credit policies.)

In March and April 2020, the economy and its 50 million un- and underemployed workers have been subordinated to the Federal Reserve's policy of bailing out trillions of dollars of worthless speculative debt, while industry, small businesses, and other elements of the real economy are scrambling for the equivalent of pennies. Putting the fox in charge of the hen house, Blackrock, the world's largest asset-management fund, has been put in charge of allocating federal stimulus money. Blackrock is a leader in the drive for "financial regime change," placing central banks, and their green fascist agenda, above nations. Meanwhile, the U.S. House of Representatives has now proposed to borrow and spend no less than \$3 trillion in one piece of legislation, without creating a single new, productive project or job.

The failure of the monetarist policies which gave us five decades of deindustrialization and the deterioration of the American economy into a globalized, service economy must now be reversed.

Raising Up America's and the World's Workers

Many of the roughly 5 million Americans who *had* productive jobs and are now not working, face the potential of the *demand* that supports their jobs not coming back. But many auto and auto parts workers this Spring have proven that there are much more important—and more rewarding—services they can perform in the plants where they were making cars and trucks—producing medical devices and public health equipment which is in critically short supply in the nation's fight against the novel coronavirus pandemic, and gaining in

their machining and engineering skills in the process. Some of those workers had to mobilize and demonstrate to get the right to step up and do something better, produce something vital.

Now expand the horizon of that kind of thinking, to the more than 190 nations around the world fighting this pandemic, many of them in the developing sector, with shortages of hospital beds, electric power, clean water supplies, and medical devices and equipment that are far beyond "critical." Some are virtually defenseless, except by trying to lock down people who must work every day to live. Now they face worsening shortages of food, as well.

Moreover, the United States does not have the hospital infrastructure it needs either. The number of beds per population has been cut by more than half since the 1970s; hundreds of rural areas have no full-service hospital that is reachable in an emergency or for frequent chronic health episodes. Despite the efforts of the Army Corps of Engineers and of hospital administrators to create new beds, tens of thousands of Americans have died at home or in nursing homes without getting hospital treatment in this pandemic, and tens of thousands more have died of diseases *not* COVID-19 because they did not want to go to hospitals which were treating both COVID and other patients. Compare this to the lightning hospital-building mobilization in Wuhan, China in January, where "pop-up" modular hospitals were constructed for serious COVID cases, and temporary ones for mild cases, enabling other hospitals not to take COVID infections at all.

Such modular hospital and clinic facilities can and should be constructed rapidly all over the world. It's been done before in local crises; doing it worldwide, with the electrical power and clean water supplies needed, will take a new international credit system and the joint effort of the leading technological nations.

The COVID-19 disease is unlikely to disappear or be prevented or cured any time soon, possibly not for several years. That means that all those new facilities for treating the sick while isolating them from their

households and coworkers are going to be needed. And there is time to build them if the leading technological nations of the world act fast, and cooperate.

Those hospitals and power and water supplies can be built fast, and on the absolutely massive scale required, if the United States, Russia, China, India, other leading nations mobilize their labor forces and their people to create new capabilities—new industries, new jobs at technological and even scientific frontiers.

What America's Economy Was Capable Of

In the period 1935–75 the U.S. economy transformed itself from Great Depression to world powerhouse. And don't buy the eyewash that this was the "obsolete old industry" period. We have been living since on the scientific and industrial inventions of that time—the transistor, the radar/laser/directed energy beam, the computer, the nuclear reactor, isotope separation, the satellite, jet and rocket engines, etc. The Tennessee Valley Authority's multi-purpose hydroelectric/navigation/irrigation dam system has been unsurpassed and rarely equalled since for economic development. Some of that period's technologies have been supplanted by their inferiors: The electric locomotive, for example, is faster, more powerful, more fuel-efficient than today's dominant diesel-electric traction.

Let's take a snapshot of that progress using Lyndon LaRouche's most basic principle of sustained economic progress. LaRouche showed that the share of an economy's total production going to the *consumption* sustaining skilled, educated *productive* workers and their households had to increase. At the same time the share going to produce infrastructure and other capital goods for production had to increase even faster. That would mean that the capital intensity (capital goods per productive worker) of the economy would increase at the same time as consumption or living standards of productive households rose. Then, LaRouche showed, the economy would be generating "free energy" (call it "surplus" or even "real profit" if you want) to allow improvement in technology, culture, and science in order to put future progress on a sound basis.

But there's another big factor: overhead. Overhead is the share of the "work" done in the economy which is not productive. Some of it is necessary, even critical: the work of the doctor or nurse, for example, or the teacher. But it is overhead which is supported by the work of the power and goods producers, transporters, miners, drillers, etc. And during the past 50 years of

FIGURE 1

Categories of U.S. Economic Output

	CHANGE 1935-1975	CHANGE 1975-2015
V	+1,000%	-25%
C	+2,200%	+70%
C/V	+1,400%	+160%
Productivity	+2.6%/yr.	+1.0%/yr.

deindustrialization of the American economy, overhead employment has grown massively at the expense of productive employment. And it has become less and less necessary, to where retail is the biggest economic sector, the MBA is the degree every student wants, and even the mathematics geniuses work at hedge funds and banks instead of teaching science.

LaRouche used the letters "V" to refer to the consumption of the productive employees; "C" to refer to capital goods and their use, as with the generation and use of electricity; "C/V" to refer to the capital intensity of the economy's production; "D" to refer to the share of employment which is overhead; "S" to refer to surplus production beyond the share of "V" and "C"; and "S-D"—or "S-prime"—to refer to free energy generated in the economic system (see Figure 4, Chapter 2).

Figure 1 compares the shifts in relationships among these factors between 1935–75 and 1975–2015, when the economy was heading in a healthy direction and in an unhealthy direction, respectively.

Here is 1935–75:

"V" increased by 1,000%. This is both more productive workers, and a higher standard of living of their households. The *Statistical Abstract of the United States* has for 120 years reported every five years the number of productive workers and their real wages, a reasonable measure of their households' standards of living.

"C" increased by 2,200%. We use here a basic "marker" for the huge variety of capital goods, namely electricity generation and use in terawatt-hours (a terawatt-hour is a billion kilowatt-hours).

"C/V" increased by 1,400%.

"D," the overhead ratio in the workforce, never went above 70%; and during WWII it was less than 50% and goods-producing work was more than 50%.

You can get a feel for the "S-prime" being gener-

ated, although we don't show it here as a quantity or share of production, because it is actually *the appearance of inventions which are new to the economy* and of new fields of work. But we know the rate of growth of productivity averaged 2.85% per year. The growth of multifactor productivity—the increase in productivity caused by technological progress—was a high 2.6% per year.

Here is 1975–2015:

“V” decreased by 25% because of the mass disappearance of productive employment.

“C” increased by just 70%.

“C/V” increased by 160%, but mainly because of the decline of productive workers, “V.”

“D” rose to 85% *overhead* employment.

We don't need to mention the fate of “S-prime” or free energy of *this* economy. It's been below breakeven. Productivity growth has averaged 1.9% per year. Multifactor productivity growth has been 1.0% per year.

When the United States was fighting a great war against fascism 80 years ago—and what are we in now, if not an international war against disease, hunger and unemployment?—*more than half* of America's entire labor force was productively employed. In the 1960s, as we went to the Moon, it was still 35% productively employed, with 400,000 Americans working on the Apollo project. So in 2020, with just 15% of the U.S. workforce productively employed, America was unprepared to be an arsenal of healthcare and nutrition for the world.

Now, the United States can transform its economy quickly into that arsenal, while keeping its sights on its missions to the Moon and Mars.

A New World System of Public Health

America now has a labor force of about 170 million people; 164 million of these people are working or have worked recently enough to be counted in the labor force by the Labor Department (which has forgotten another five or six million who could work but haven't looked for work in a good while). Just fewer than 30 million are productively employed; another 19 million are in healthcare and education.

At least 100 million Americans in the labor force are not involved in building, operating, or maintaining the *physical economy* of the United States which produces all the goods and services we live on, nor in the creative invention of new physical and biological processes, which is the real source of any nation's wealth.

What is needed in this global, five-alarm fire of a crisis—and this is “the big one,” as we know it so far—is for some 50 million of those 100 million Americans to enter new, productive employment—or, to replace someone now productively employed, who transitions to a more demanding job in the space program, power engineering, technology development, or scientific research—or to go straight to that kind of new and challenging employment themselves. With 50 million new productive jobs the United States would be equaling the level it reached in 1944 when the Arsenal of Democracy was going full bore: half of the entire workforce with productive jobs.

New hospitals and public health centers: If the United States joins with the other leading technology powers in mobilizing new hospitals, equipment, staffing, and specialists across the developing nations of South America, Africa, and Asia, that process will create *6 million new productive, skilled jobs in America and well more than 100 million such jobs worldwide*. Here's how.

Under the Hospital Survey and Construction Act (Hill-Burton Act) of 1946, the United States is mandated to have, in every county, a standard of 4.5 hospital beds of various capacities per 1,000 residents. The era of for-profit hospital chains has abandoned this standard, effectively cut it in half or worse depending on the county. The coronavirus pandemic has given us an order: **Restore the Hill-Burton standard.**

In fact, we should work with other major economic powers to restore it worldwide. The President of Ghana, for example, in his State of the Union address May 12, realized that his country must build 100-bed hospitals in 88 districts plus six new regional hospitals as fast as humanly possible—he said in one year!—to save lives in the pandemic. How could Ghana do this? With the help of at least the four powers which must launch a new “Bretton Woods” credit system for critical infrastructure projects and capital goods exports. The President of one of those, China, said on May 19:

We must provide greater support for Africa. Developing countries, African countries in particular, have weaker public health systems. Helping them build capacity must be our top priority in COVID-19 response.... The world needs to provide more material, technological, and personnel support for African countries.

In the United States, we'll add about 600,000 new hospital beds in nearly 1,800 hospitals—600 of 800-bed capacity, and 1,200 of 100 beds each. Across the world, we need to add 10 million, in about 30,000 new community hospitals.

In the United States, this will create 5-6 million new jobs based on the current staffing of our hospitals and hospital wards. These would include about 300,000 physicians and surgeons, 1.4 million registered nurses, 170,000 diagnostic technicians and technologists, and more than 117,000 clinical lab technicians, not to mention pharmacists, dieticians, electricians, plumbers, and so on. Moreover, at least 500,000 construction workers and engineers will be directly employed for a decade in *building* these new hospitals, and hundreds of thousands more building the materials for them. This is based on diverse workforces of 250-300 building 100-bed community hospitals, and larger workforces constructing the 800-bed hospitals.

The new *world* public health system building can't take a decade—it must be done as rapidly as possible, as in Ghana, to prevent a massive number of human beings dying of COVID-19 or of lack of necessary treatment for other diseases. This will mean more than 90 million construction workers and new professionals to build and staff the hospitals, with isolation and intensive care capacity, clinics, and new “CDCs” and research centers.

How many construction engineers and medical professionals will go from the United States into this worldwide public health mobilization? We don't know; but we do know that the new, productive employment from it will be in the range of *100 million worldwide, and the American hospital-building aspect of it, 6 million or more jobs here.*

Electric Power: The United States and cooperating powers will need much more electric power to mobilize this production. Powering these new hospitals alone, in countries across the world many of which generate and use 100 kwh/person/year or less (compared to 10,000 in the United States and 7-8,000 in Europe) will mean producing and siting 1,000 or more power plants of 50-100 megawatts each, and fast. Worldwide, more than a billion people have no access to electricity at all. Some 500,000 jobs constructing and operating these plants will be created.

As soon as possible, small modular nuclear reactors (known as “SMRs”), for more reliable electricity generation with higher power efficiency and no need for

transporting large volumes of natural gas fuel, should be brought into this process of powering up the world electrically. SMR operational prototypes have been produced and more are being developed in the United States, Russia, China, Canada, and several European countries; the capacity for commercial factory production of these small modular nuclear units does not yet exist. Nonetheless, South African Energy Minister Gwede Mantashe announced May 7 the interest of his ministry in SMRs. His ministry will begin work on a roadmap for the procurement of 2500 MWe of new nuclear capacity, and will consider all options, including SMR projects led by private companies and consortia.

In the United States, Americans have less electric power available per capita now than they did in 2005—we've been going backwards. Industrial use of power has shrunk 30% since the 1980s. Electricity is the most important capital and machine-tool of all modern societies. If we participate with other major nations in building new infrastructure of several critical kinds—electrifying the railroad corridors for high speed, desalination plants to combat drought, deeper ports and new inland locks and dams all with automated equipment—then thousands of *gigawatts* are needed (a gigawatt is 1,000 megawatts or equivalent of one large nuclear reactor).

Another 10 million jobs will be created internationally just building barely reasonable levels of electric power; more than 1 million in the United States including construction workers, power engineers, and line workers.

The “science driver” for this entire effort is a crash program to develop the electric power of the future—**fusion power**—and the plasma and laser technologies associated with it. This crash program is not negotiable for human progress: Fusion propulsion is the only rocket technology fast enough for travel to and from Mars and elsewhere in the Solar System, and plasmas are the best power technologies for developing the Moon—where we will also mine the ideal fuel for fusion power, Helium-3.

Nearly 5,000 scientists were working on fusion in U.S. labs in the 1980s. That should have doubled by now; instead, funding cuts have reduced it to about 2,000 scientists.

Fresh water: Providing fresh water for all the hospitals, clinics, and research centers to be built throughout the developing countries against the COVID-19 pandemic is only one aspect of the huge need for fresh

water, irrigation, and navigation we need to get to work on.

The United States uses far less water than we did 40 years ago for industry (we shut that down!) and agriculture; only urban water use has grown during our great globalization and deindustrialization. This will be changed; and internationally, large water control projects like the TransAqua project in Africa's Sahel are the key to spreading modern high-technology farming.

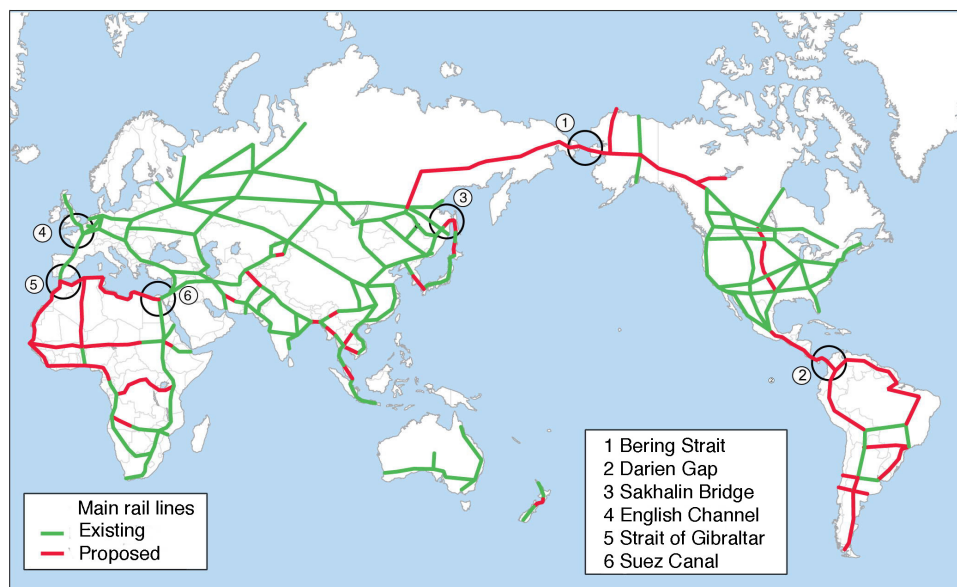
President Franklin Roosevelt, with his Bretton Woods system, wanted to help build "Tennessee Valley Authorities" in other continents—the most successful and famous development project in history was the TVA. He also wanted to create a Missouri River Authority, an Arkansas River Authority, and a Columbia River Authority in the Northwest. Twenty years after his death these ideas became a plan for a truly great project of infrastructure, supported by President John Kennedy and by Robert Kennedy as a Senator. This is the North American Water and Power Alliance (NAWAPA) plan. After their assassinations this great project was abandoned by America's political leadership in the maelstrom of the Vietnam War.

The Schiller Institute and LaRouchePAC have revived and updated the NAWAPA plan, which has been described as the equivalent of "a dozen TVAs." Our [study](#) showed *it will create 6-7 million new productive American jobs over a decade—construction workers, tunnel drillers, heavy equipment makers, civil and heavy construction engineers, and on and on.*

Irrigated agriculture in the Southwest could expand from 22 million to 41 million acres through the NAWAPA infrastructure project. Our study also located 42 coastal and Great Lakes sites ideal for electric-powered desalination of salt water. This means still further development of nuclear electric power.

The TransAqua plan for the African Sahel, another such "super-TVA" project, would recharge the once very large and productive Lake Chad, which has been drying up. *There are estimated another 5 million or*

The World Land-Bridge



more productive jobs to be created carrying out the TransAqua plan.

Worldwide, this kind of project—new TVAs—will create a very large number of new productive jobs, certainly not less than 20 million over the next generation.

Electrified, high-speed railroad lines: In the largest new infrastructure project of the 21st Century thus far, China for five years has been building out new railroad corridors across Eurasia; and with South Asian and European countries including Russia collaborating, this network of Pacific-to-Atlantic rail corridors and some North-South routes has already reached more than 10,000 miles. These are not the nearly 20,000 miles of *high-speed rail* corridors, including some magnetic levitation routes, built in China itself in the past decade or so. The Eurasian Land-Bridge lines are not yet high-speed.

Lyndon and Helga LaRouche and the Schiller Institute have promoted the Eurasian Land-Bridge, or "New Silk Road" projects since the 1980s; expanding their idea into the World Land-Bridge by the late 1990s.

The lines built from China to Europe have been successfully replacing air freight, especially during 2020, and increasingly gaining cargo share relative to ocean freight. Nothing except speed—which means electrification and soon magnetic levitation rail—keeps rail from replacing air travel up to 1,000-mile and even longer distances; and this includes travel in North and South America as well as Eurasia, the Mideast, and Africa.

The President of China has put out a goal of connecting every African capital city with high-speed rail, as the President of Russia has proposed finally providing Africa with adequate electricity with nuclear power. The World Land-Bridge to be built out will certainly reach or exceed 200,000 miles. And in addition, *EIR* for nearly 20 years has proposed a grid of about 40,000 miles of electrified, high-speed rail in the United States.

Building a high-speed rail network to a tunnel under the Bering Strait will connect this network to the Eurasian Land-Bridge routes. This is a further 3,000-mile Alaska-Canada rail connector. And a 2,000-mile corridor through Central American and South America down to Tierra del Fuego, Chile has been foreseen for many decades but never built. It is only one axis of a new network of high-speed rail across Central and South America for which European and Chinese railroad construction companies have been planning. It requires “new Bretton Woods” credit issuance.

The manpower requirements to build these double-tracked rail main corridors and connectors are 80,000 new skilled and productive jobs for each 5,000 miles of such high-speed or mag-lev rail. *That’s 650,000 employment to build the “lower 48” electrified rail network; 60,000 more for an Alaska-Canada corridor to the Bering Strait; and about 5 million in the building out of the World Land-Bridge.* This is the work of up to a full generation.

The all-electric locomotives and train sets are a job for the auto industry, along with its current emergency tasks producing medical equipment and devices demanded by the coronavirus crisis. The 6,000 megawatts of new electric power capacity are part of the build-up we described above. The many millions of tons of steel will demand new productivity from the steel industry.

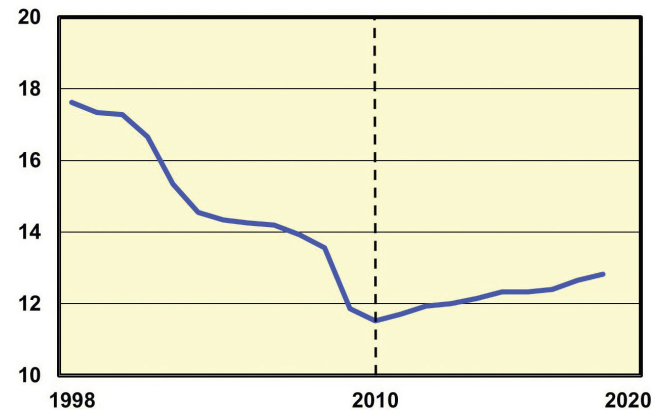
The Moon-Mars mission and space colonization: Nearly half a million American scientists, engineers, and skilled craftsmen worked on the Apollo project which took human beings to the Moon. That NASA-centered workforce is down to far less than 100,000 now.

If we gear up the Moon *and* Mars mission President Trump and NASA have named Artemis, doubling NASA’s budget to start with, and if we are going to cooperate with all the other space-faring nations that want to send human beings into the Solar System, then *Artemis will employ, directly and indirectly, at least a million scientists, engineers, and skilled workers.*

FIGURE 2

U.S. Manufacturing Employment

(millions)



But as science drivers for the new discoveries, processes, and technologies being developed in *all* of the great infrastructure projects we have been describing here, crash programs for space travel and colonization along with fusion power and plasma sciences will result in far more employment, and professions in frontier industries which as yet scarcely exist.

The Coming Transformation of the Economy

Thus we have shown—and could show in much more detail—that *just the direct employment on the international infrastructure projects most urgently needed* to meet “the big one” and transform the world economy in the process, *will create at least 135 million new, productive and skilled jobs and professions worldwide, and 15 million of those in the United States.* This will take place over a generation but its largest component is the mobilization for new world healthcare and public health systems which must be built fast, now. It will in fact create far more *indirect* jobs than that, as reindustrialization on a higher level takes place across the “advanced” economies and, at last, industrial development and high-technology agriculture is brought to the developing sector.

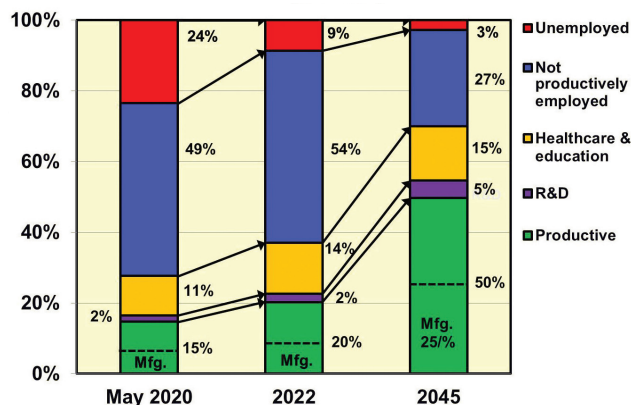
But this, above all, will take a great collaborative push from the leading technological powers—La-Rouche always pointed to the United States, China, Russia, and India, but others will join—to launch a new global credit system, a new Bretton Woods *as FDR intended it.*

U.S. speculative post-industrial policies have caused a precipitous collapse in manufacturing employment,

FIGURE 3

Transforming the U.S. Labor Force

(% of total)



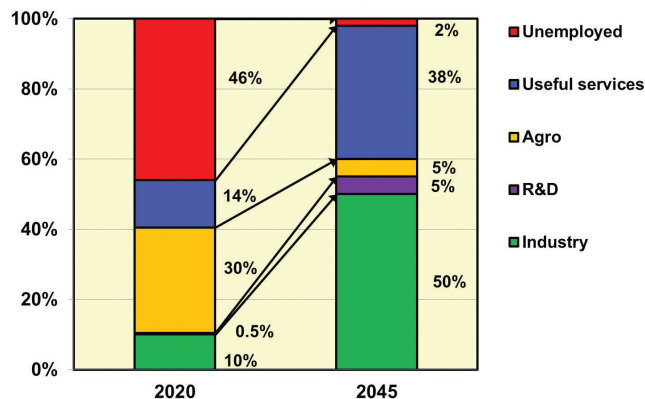
1998 to present, which has never been corrected (see **Figure 2**). In 1998, U.S. manufacturing employment stood at 17.6 million workers. Then the take-down: It fell through the remaining Clinton years, and through the George W. Bush years, until it stood at 13.1 million in October 2008; then the 2008 financial-economic crash smashed the economy, and manufacturing employment plunged further to a level of 11.5 million in March 2010. Thus, from 1998 through March 2010, manufacturing employment fell 5.7 million workers, a fall of a full third. Under Obama and then Trump the U.S. gained back 1.4 million manufacturing jobs through February 2020, but the U.S. is still 4.3 million manufacturing jobs below the insufficient levels it had in 1998, and more than 30 million manufacturing jobs beneath where it would be under LaRouche’s program.

In the American economy we can immediately start a strong increase in productivity of employment by starting a crash mobilization of hospital construction and public health production worldwide—including, definitely, in the United States. This draws people now unemployed, non-productively employed, and simply those wanting to help create this critical economic infrastructure. Lyndon LaRouche’s economic teams already 40 years ago showed that infrastructure and productivity are directly related. At that same time, LaRouche himself specified that a really productive and technologically advanced “full-set economy” aims for 50% of its labor force in goods production and 5% more in scientific research and development (see **Figure 3**). Technological leaps can then keep coming, be put into new infrastructure, and shift the whole econ-

FIGURE 4

Transforming the World’s Labor Force

(% of total)



omy upwards.

The LaRouche plan will transform the U.S. economy from service-sector/financial domination to one of productive development. By 2045, one generation from now, the labor force will so surge that the economy will employ 91.5 million productive workers (compared to 30.4 million in 2020), 45.7 million manufacturing workers (compared to 12.9 million in 2020), and 9.14 million research and development (scientific) workers (compared to 3.1 million in 2020)—a tripling in all these critical categories. In 2045, through the increase in the manufacturing sector’s workforce size, and powered by scientific breakthrough-spillovers in fusion, space exploration, and similar advanced areas, the productive powers of labor in the U.S. economy could rise by an order of magnitude.

For the world as a whole (see **Figure 4**), a labor force today dominated by de facto unemployment in the so-called “informal sector,” combined with horribly low productivity subsistence agriculture, will be shifted in a generation to one where half of the labor force will be productive operatives, and another 5% of the labor force will be part of the critical R&D sector. The agricultural workforce will shrink as a percentage of the total, as per capita and per hectare agriculture productivity rises through mechanization, irrigation, use of fertilizers, and increased energy and water inputs. Following the approach taken by China over the past 40 years, where 850 million people were lifted out of poverty, the world as a whole, one generation from now, will be in a position to finally eliminate all poverty around the middle of this century.

Double Food Production: Millions of High-Tech Family Farms

The emergency food aid measures we must now take to prevent a “hunger pandemic,” alongside the healthcare gear-up against COVID-19, create the momentum for a new food and agriculture system serving the interests of all nations, now and in the future. This would put an end to the practices of the Anglo-globalist cartel system of food and farm control, which made the modern world vulnerable to food scarcity and disease in the first place.

Two basic considerations are involved: What are the volumes of production needed? What are the factors required to achieve this?

At the time of this report, the 2019–2020 world grains harvest has fortunately had no major crop disasters, which is important for meeting huge food aid needs from the pandemic. But the world harvest, from the current level of 2.7 billion tons yearly of grains production (all types—wheat, rice, corn), must be doubled as soon as possible. The level of 5.5-6 billion tons of cereals grains a year can provide all persons of our 7.8 billion world population with sufficient direct, and indirect (animal protein), consumption, as well as reserves against disaster and supplies for a growing population.

Even before COVID-19, world hunger, which has been steadily increasing for the past four years, reached the level of 821 million people chronically food “insecure” (i.e., without enough food, for lack of the means to buy it, or because of food scarcity). Of those, 100 million relied on food aid, or they would perish. In the

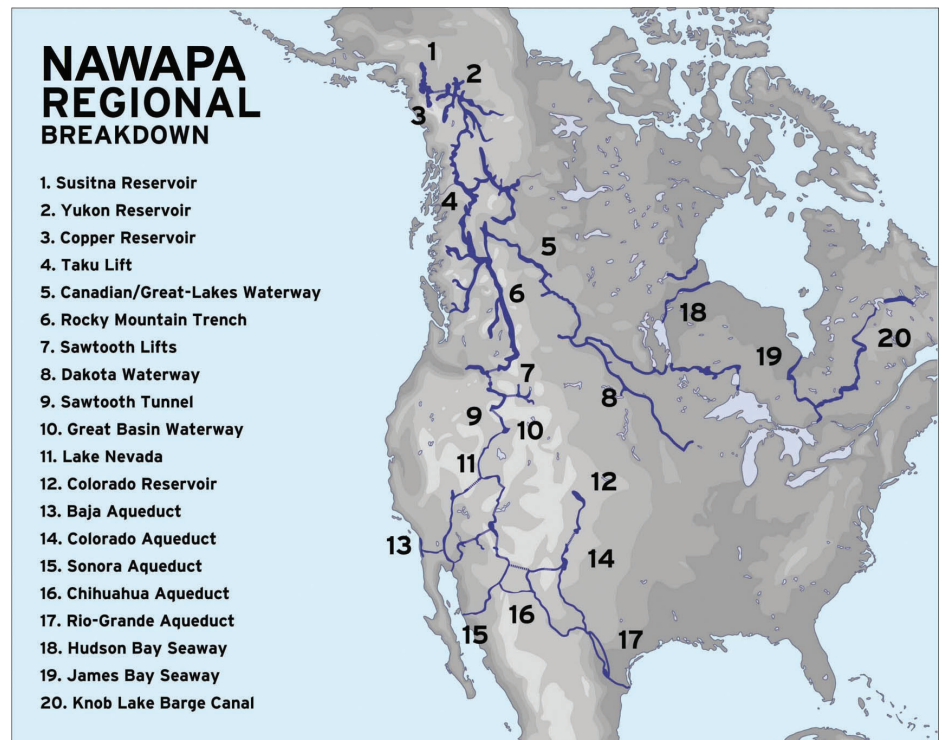
coming months, that figure will rise to at least 265 million, according to estimates by the World Food Program, whose Director-General David Beasley told the UN Security Council April 23, that we face a hunger pandemic of “Biblical proportions.”

Factors of Production

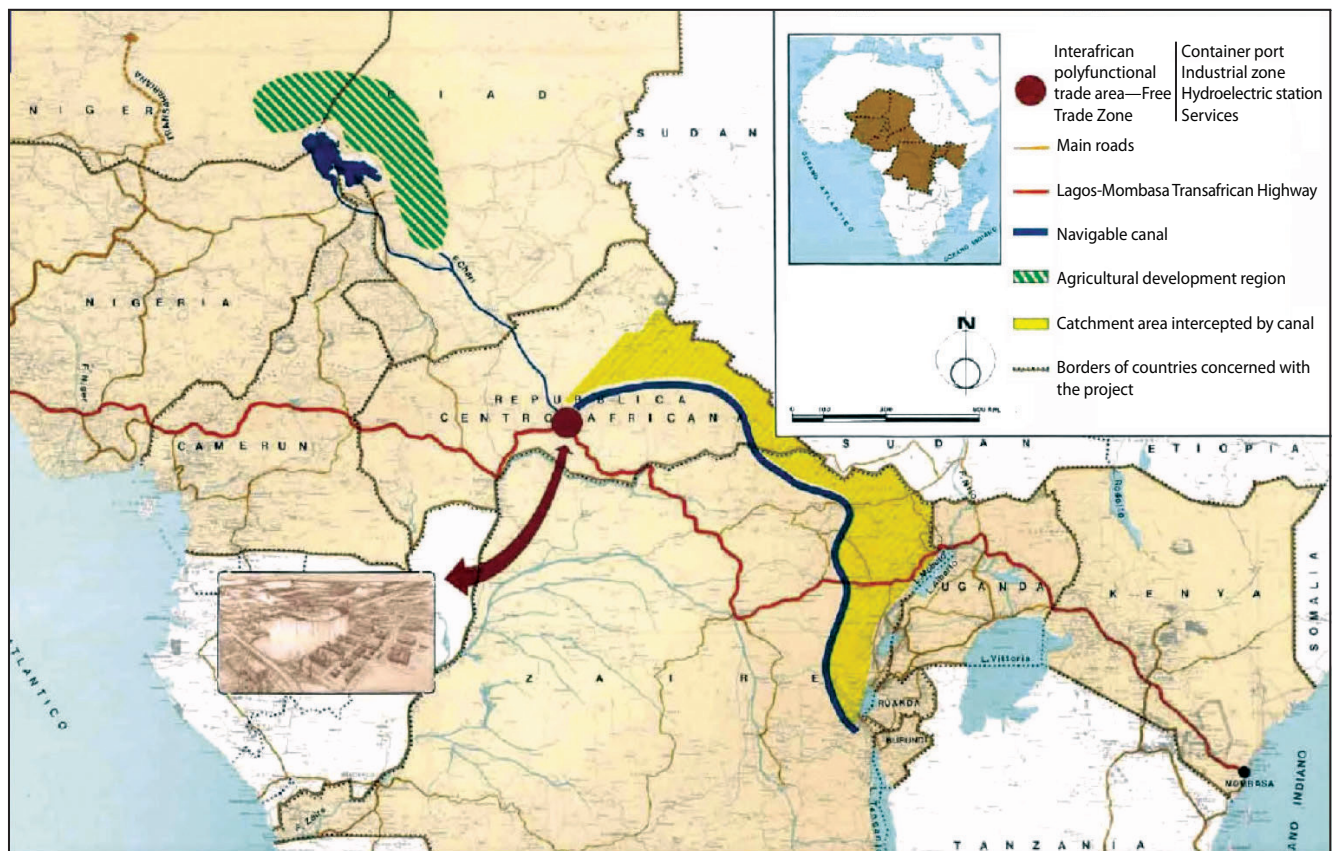
Land and Water: Basic elements in the equation for increasing agricultural output are land and water, both of which can be increased. Africa is in the forefront, with half of all the world’s remaining arable land not yet under cultivation. Sizable areas remain for development in the Americas and elsewhere.

Apart from soil fertility (which can be manmade, as in Brazil’s Cerrado) and favorable temperature regimes, water is the key element. Launching the work

The North American Water and Power Alliance (NAWAPA)



The TransAqua Project



First proposed in the 1970s, the TransAqua project will divert water from the Congo River Basin in the Democratic Republic of Congo to resupply water to the Lake Chad Basin, benefitting the entire Sub-Saharan region with new agriculture, transportation, power and water management systems.

needed on the backlog of major hydraulic projects on every continent will open new farmlands. For the United States, Canada, and Mexico, the North American Water and Power Alliance (NAWAPA) will divert some 15% of run-off now flowing toward the Arctic in the Mackenzie and Alaska River Basins, taking it southward to the dry southwest of the continent. This will make irrigation possible from the Canadian Prairies all the way to western Mexico. NAWAPA had backing since the 1960s in Washington, DC, but was thwarted by the London/Wall Street financial crowd.

In Africa, the TransAqua Project, first proposed in the 1970s, will resupply water to the Lake Chad Basin, benefitting the entire Sub-Saharan region, by diverting a small percentage of the flow of the Congo River Basin, which in turn will benefit from new agricul-

ture, transportation, power, and water management systems.

In addition to these large-scale conveyance programs—whose most recent outstanding example is China's South-North Water Transfer Project, moving water (716 miles) from the Yangtze to the Yellow River Basin—there also is vast agriculture potential from desalinated sea and inland saline waters, through nuclear power.

Mechanization: Farm equipment enables high production, with specialized planting and harvesting machinery, and tractors for all purposes. The highest productivity comes from conforming the size and power of the equipment to the scale of operation best for that region. For example, in parts of Brazil or the U.S. farm belt, 48-row corn or soybean planters serve extensive, high-yield farming. In Japan, micro-farms produce

high-yield rice, with highly advanced, very small scale planters, drones, and other machines. Germany and Belarus are famous for powerful tractors of all sizes for Eurasian agriculture.

Part of the same picture, is the necessity for high-technology crop storage, and food processing and handling. Food preservation through irradiation will prevent losses, allowing huge gains in supplies, as will more extensive use of long-standing methods, from freeze-drying to ultra-high-temperature pasteurization.

Bioscience: Hybridization and genetic engineering revolutionized crop yields over the past century, but more breakthroughs are possible with R&D, such as CRISPR and other techniques, to improve even the basic profile of crops. For example, there is the C4 Rice Project, to boost yields by half through more efficient photosynthesis. Most urgent is to conduct the basic research to protect against plant and animal diseases, especially zoonoses—diseases which jump from animal to man. COVID-19 is in this category. Currently, there is no vaccine for African swine fever, highly lethal and contagious among pigs. One-quarter of the world’s pork supply was lost in 2019 to this disease.

Power: Electricity and all forms of power are critical to every phase of modern food production, beginning with the manufacturing of all the inputs to water systems, irrigation structures, farm and food processing machinery, and storage and transportation. Cooling raw milk in bulk tanks was revolutionary to dairy farming in the 1930s; it improved the average diet with more milk. Even farmers’ household electricity is vital to productivity, as the Tennessee Valley Authority showed, when farm output increased after their homes got lighting, heating, refrigeration, cook-stoves, in-home water, laundry machines, and similar advances.

Energy-Flux Density: The metric involved in this improvement is energy-flux density. This refers to the density of energy brought to bear across the relevant area of function, so that denser amounts create the condition for higher productivity. The rank order of energy itself is evident in the differing sources, going from low-density energy sources such as wood-burning, up

through coal, oil, gas, nuclear fission, and, one day, thermonuclear fusion. With high-energy-flux density, farms of a half-acre—using aeroponics, or hydroponics—can yield tons of food.

The Astronaut Farmer, Millions of Family Farms

The workforce needed in agriculture, from “field to fork,” is very large, counting those who produce all the inputs, and even using mechanization. This means millions of new jobs. At the forefront are two concepts—the astronaut farmer, and family-scale farming. Space-age agriculture involves satellite monitoring, global positioning, data banks, drones, and more. In command is the astronaut farmer, who must become the norm the world over. The other requisite is family farming. The ingenuity and mission of family farm members—with the living standard, education, and science to go along—are the best guarantees of food security for every nation and worldwide.

‘Give Us This Day Our Daily Bread’

Instead of answering this universal prayer, governments have allowed the monetarist casino system of the past 50 years to de-structure sound agriculture, and even prevent agro-industrial development in Africa at all, a land of vast agriculture potential, home to 1.3 billion people. Governments must exert sovereignty, for the people. Break up the cartels, whose multi-nationals are now monopolizing all food groups and inputs including grains, meat, dairy, produce, fertilizer, agro-chemicals, and even seeds—the means to life.

Because of cartel “global sourcing,” commodity speculation, consolidation of food processing, and other practices, millions of people are needlessly suffering hunger, while farmers in the U.S. and elsewhere are forced to destroy food—kill off meat animals, dump milk. This must stop. No one should make speculative profits off food, while the food producers go broke. Put in parity-based farm production prices. No farm foreclosures. Take all other emergency measures to save farming capacity, and expand agriculture massively. Provide emergency pandemic food relief and a future with “daily bread” for all.

A Health System for the Future

The greatest of all resources is the human mind.

It is the source of all revolutionary scientific concepts, powerful new technologies, and beautiful works of art. How many priceless contributions to human progress have been lost due to grinding poverty, a lack of education, or early death? To develop and safeguard this most precious of resources, we require a global health infrastructure, which itself depends on the essential physical infrastructure laid out elsewhere in this report.

We will begin with measures to be taken in the United States, then discuss the needs for less-developed countries.

No Debate Between Health and the Economy

Failing to defeat the virus in a timely manner will have far more devastating effects on the economy than will measures taken to stop its spread. The sooner case numbers are brought down and new infections can be tracked individually, the sooner we can take up the task of restarting work—both old jobs, and, emphatically, employment in the development projects discussed throughout this report! China, which responded very strongly to the virus (something that was obvious to anyone in the world watching at the time), was able to keep cases relatively contained and is already seeing [industrial recovery](#), with year-on-year manufacturing growth already seen in April.

The United States should immediately take up the task of achieving the following:

- Bring testing capacity to a level of 5 million per day (150 million per month) within two months. This level will allow for export of test equipment and materials, of which the United States should become an ex-



Construction of the thousand-bed Huoshenshan emergency field hospital for COVID-19 patients was begun on Jan. 23 and completed on Feb. 2, with thousands of workers working around the clock. This photo was taken on Jan 31. Leishenshan Hospital, built with the same design, was finished on Feb. 8.

porter to assist those nations unable to manufacture their own.

- Hire at least 100,000 contact tracers. This deserves special federal funding earmarked for these positions.
- Produce enough masks and more sophisticated personal protective equipment (PPE) to allow a dramatically increased number of health care workers to perform their jobs safely.
- Fund research for treatments and vaccines, such as the U.S. crash program called [Operation Warp Speed](#), and speedy production and distribution of these new capabilities.

Developing a Global Health System

But the broader requirements of developing a global health system for every nation on the planet requires much more.

Basic Health Infrastructure: Water and Sanitation

Ask a group of public health experts what has done the most to improve human health and they will imme-

diately give the answer: “sanitation.” But today more than two billion people lack access to clean water, adequate sanitation, or both. This leads to 800,000 children under 5 dying from diarrhea every year. Proper disposal of sewage and the protection and purification of water sources have saved hundreds of millions if not billions of lives over the nearly two centuries since such measures have begun to be implemented most rigorously.

The deployment of temporary sanitation facilities (which could be mass-produced and then distributed) will be a stop-gap measure while durable improvements in infrastructure are constructed. And that construction will be a source of meaningful employment for literally millions of people across the world.

Hospitals and Medical Equipment: The world as a whole possesses a current inventory of 18.6 million hospital beds. This constitutes a huge deficit. The standard developed by the United States, under the Hill-Burton Act, was 4.5 hospital beds per 1,000 people for each county, in order to ensure the health and well-being of the population.

Current levels are 2.8 hospital beds per 1,000 people in the United States, 0.7 for South Asia, 0.7 for the Heavily Indebted Poor Countries, and 0.5 for Nigeria, which comprises one-fifth of the population of sub-Saharan Africa. To meet a standard of 4.5 beds per 1,000 people, the world would have to increase its hospital bed inventory to 35 million beds, nearly double the current level. This would require the construction of 35,200 new modern hospitals, especially in Africa, Ibero-America, and Asia.

Beds themselves do not save lives. Medical staff are required, and acute cases demand additional equipment, such as ventilators.

The total global inventory of ventilators is hard to determine, but there are certain figures that point to the problems of dealing with COVID-19 in impoverished nations lacking health infrastructure (see **Table 1**). The United States currently has about 500 ventilators per million for its 330 million people.

Going on the Offensive: Revolutions in Biology

We must advance our understanding of viruses themselves, such that in the near future we can do more than react to each new outbreak. Viruses perform many functions besides causing disease, and demand to be understood in a broader scope than the Earth itself.

TABLE 1
Ventilators per Nation

Country	Ventilators per million people
USA	500
Germany	300
India	15
Nigeria	2.5
Sudan	1.9
Central African Republic	0.6
Liberia	0

For the entire world to be at the United States’ per-capita level of ventilators would require a global inventory of 4 million.

In the opening section of his 1927 writing, *The Biosphere*, Russian scientist Vladimir Vernadsky says,

The history of the biosphere is ... sharply distinguished from that of the rest of the planet, and the role it plays in the planetary mechanism is quite exceptional. It is as much, or even more, the creation of the Sun as it is a manifestation of terrestrial processes.

Viruses themselves are an area of study that could give us unique insight into the role of extraterrestrial factors in the shaping of the biosphere and its evolution. After the discovery of viruses in the 19th Century, we have learned that viruses are inseparable from life—they are pervasive throughout the biosphere and are known to infect every type of organism. There are millions of virus particles in each teaspoon of seawater; billions of viruses float in the air currents high in the atmosphere. Inside the human body, just as we have a microbiome of trillions of bacteria, we and other living things also have a virome of likely trillions of viruses living inside us as a regular part of our organism.

Viruses play an important role in a phenomenon called horizontal gene transfer. We normally think of genetic material being passed from parent to offspring, but in horizontal gene transfer, genetic material from one organism is transferred to and incorporated into the genome of another, unrelated organism. This has been known to occur regularly in single-cell organisms, but studies in the past decades have shown horizontal gene transfer occurring between many types of more complicated organisms, such as plants, fungi,

and even animals. Some researchers suggest that upwards of 100 genes in the human genome were transferred there at some point long ago by viruses, including genes dealing with metabolism and immune system response. This idea disrupts the typical textbook “tree of life” with its separate, parallel branches, and posits an evolutionary process which is much more interconnected.

Now let’s look at this in the context of the Solar System and galactic environment. First is some very interesting research begun in the 1980s on the seasonal pandemics of influenza, which, like many other seasonal phenomena connected with solar radiation, breaks out somewhat simultaneously each year in the Northern hemisphere, then migrates across the tropics to the Southern hemisphere, and back north again the following year.

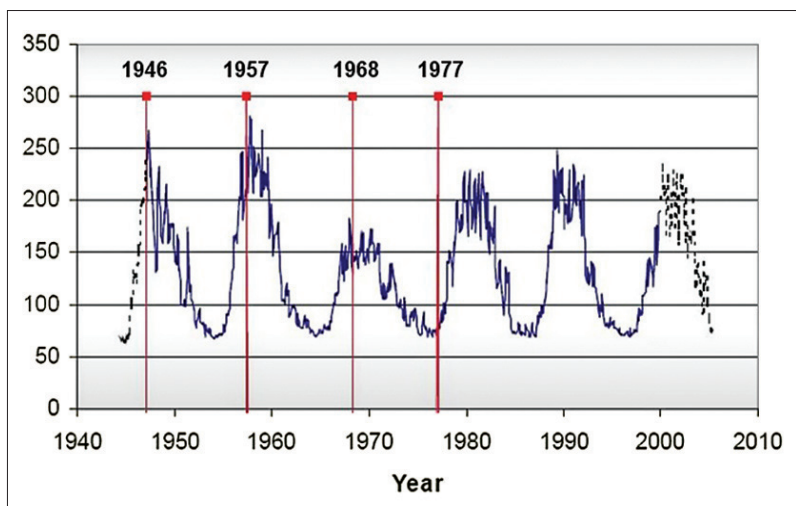
One element that interested researchers was the rhythm of outbreak of new strains of influenza over the past century, which shows an interesting, even if not complete, correlation with the 11-year solar cycle. However, looking over a longer period of time, 300 years, we see the possible fingerprint of a galactic driver. Not only do pandemics tend to occur more frequently during periods when the solar maxima have been more powerful (indicated by the blue curve), but it is also the case that the anomalous years of pandemic during solar minimum were periods during which Earth received a higher influx of cosmic radiation from outside of our solar system, due

to bright supernovae.

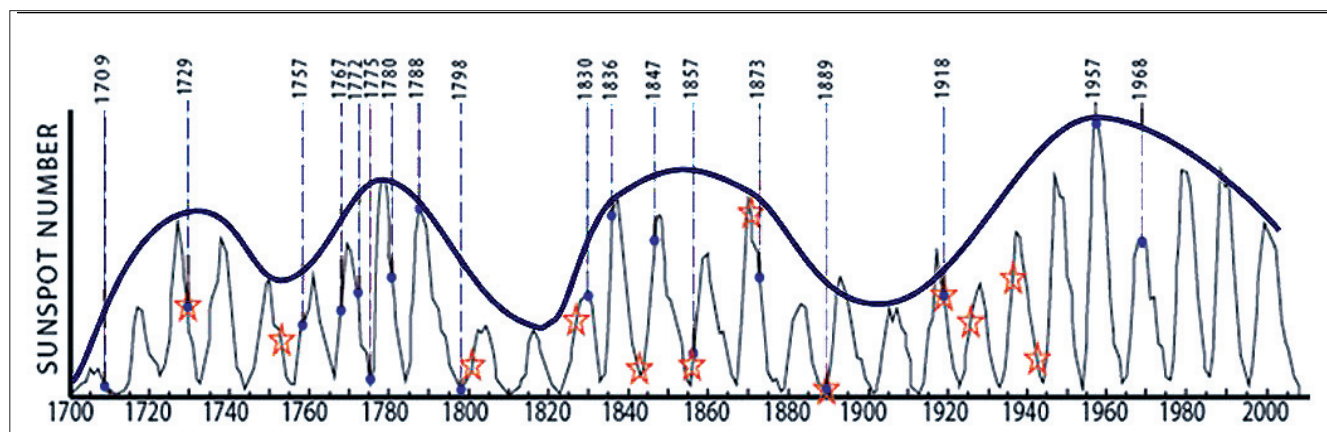
A question mark left by researchers involved in these studies is the possible mechanism. It is known that viruses can be activated and deactivated by certain frequencies of light. It has also been observed that in some astronauts on the International Space Station, latent viral infections have suddenly become active. While all this research is still quite preliminary and requires further investigation, it is undeniable that the anomalies highlighted here hint at a higher causality and modulator of the development of life on Earth than mere earthbound chemical reactions.

Fundamental discoveries about these topics could revolutionize the way we understand and treat viruses—and human health in general.

Influenza Pandemics and Solar Activity: 1940-2010



Pandemic Influenza and Sunspots: 1700-2000



America's Space Mission: Youth's Next Frontier

America's space sector will play a decisive role in shifting 5% of the U.S. labor force into research and development. As specified by LaRouche, this is the key to increasing the productivity of the entire labor force.

Increases in productivity come directly, only, from improvements in technology derived from fundamental scientific discoveries; the higher the rate you convert fundamental physical discoveries into practice, the greater the rate of increase of productivity per capita of population, and per square kilometer of area.

—Lyndon LaRouche,
September 2, 2000 [speech](#)

We are faced with an extraordinary challenge: how to address the immediate needs of our own and endangered populations around the world, while simultaneously beginning the transformation of national economies to higher platforms of economic activity. The concept for meeting that challenge is located in the following by LaRouche:

Mankind's existence is based on the fact that mankind is the only species of which we know, which has the willful power to increase the energy-flux-density of life as a whole, on our planet Earth, and beyond.

—Lyndon LaRouche
September 30, 2011 [broadcast](#)

The multiplicity of crises which have swept the world since the outbreak of the COVID-19 pandemic points to failure of using our power to increase the energy-flux density of life as a whole on our planet. And, indeed, looking beyond the Earth, we see even greater threats, such as asteroid strikes and space weather. These common threats to the planet motivated Lyndon LaRouche to



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A community forum sponsored by the Schiller Institute, celebrating the 50th Anniversary of the Apollo 11 Moon landing, and in support of the current Artemis Moon-Mars program, Houston, Texas, July 25, 2019.

call upon nations to join in a “Strategic Defense of Earth,” to cooperate in the frontier areas of space exploration and thermonuclear fusion and to make the scientific and technological advances to defend the planet.

Such common aims of mankind have often been expressed by those men and women who have gone into space, as did Apollo 11 astronaut Michael Collins:

I really believe that if the political leaders of the world could see their planet from a distance of 100,000 miles their outlook could be fundamentally changed. That all-important border would be invisible, that noisy argument silenced. The tiny globe would continue to turn, serenely ignoring its subdivisions, presenting a unified facade that would cry out for unified understanding, for homogeneous treatment. The earth must become as it appears: blue and white, not capitalist or Communist; blue and white, not rich or poor; blue and white, not envious or envied.

—[Michael Collins](#),
*Carrying the Fire: An Astronaut's
Journeys*, 1974



AMPed NH/Desiree Crossley

A student in Nashua Community College's precision machine tool teaching lab, Nashua, New Hampshire.

The potential is there. At this very moment, leading nations, including the United States, Russia, China, India, and Japan, and the European Union and others, are on their way to the Moon and Mars—this year! We see that Mankind is in the process of building out, in both cooperative and competitive ways, the beginnings of an interplanetary space infrastructure platform for mankind.

In 2019, LaRouche PAC released a [pamphlet](#), *We Commit to the Moon-Mars Mission*, which develops in detail why a 50-year, international crash program for lunar industrialization and Helium-3 mining, the development of fusion-powered space flight, and Mars colonization will be the most important driver for the U.S. and global economies.

A Space CCC: Rebuilding a National Workforce of Rising Productivity

With that mission in mind, now look at the potential for a dramatic increase in the participation of our workforce in the space program, with a special emphasis on the younger generation.

Just as President Kennedy's Apollo project transformed our economy in the 1960s, President Trump's Artemis project, with the stated goal of landing a man and a woman on the Moon by 2024 and developing the technologies to go to Mars and beyond, must become one of the key drivers for the reconfiguration of our workforce.

During the Apollo project mobilization of the 1960s, 35% of our workforce was produc-

tively employed (as opposed to 15% today). With 400,000 people working on the Apollo project, and 4.4% of our budget devoted to space (instead of 0.48% today), the economic return to our economy was estimated to be \$10 for every \$1 spent.

As then, a space program is where the nation's leaps in productivity and future lies, and unleashing it is the mission of Artemis, which must be fully transformed as the leading edge of a nation-building revival, vectored once again toward unparalleled rates of scientific and technological progress. The Artemis program can and must be fully conceptualized as a daring, multi-generational project to colonize the Moon and Mars.

Project Artemis is not only vital for the nation and the world as a whole, but it must become a critical component in rescuing our young people from the no-future, zero-growth, hedonistic culture of today. This is reflected in a 2007 National Research Council report which said,

Students need to believe that what they are doing will contribute to compelling (even transformational) scientific or engineering research and/or contribute to an important national goal such as space exploration. The goals need to be viewed as real and stable and as having the potential to contribute to important advances in a meritorious field.

What are we giving our younger generations today? The millennial generation (ages 23-38) numbers approximately 56 million, and the following Generation Z (just beginning to enter the workforce) numbers 32 mil-



U.S. Army Reserve/Corey Beal

Equipment maintenance training in the U.S. Army Reserve.

lion. That is about 90 million people, more than half of the workforce. Does anyone think that we are “firing their imaginations” with jobs in the hospitality “industry,” rideshare jobs, or growing and selling legalized pot?

Rebuilding and rapidly transforming the U.S. economy today, to fully participate in creating this “interplanetary space infrastructure platform” for tomorrow will require the development of today’s and tomorrow’s workforce in many creative ways:

We will increasingly be working with those aspects of nature that lie in the micro-physical and macro-physical domains, requiring an increasingly sophisticated reliance on instrumentation that extends beyond the reach of our five senses. This includes, emphatically, the study of living processes and their applications.

Our workforce will be working with much higher energy-flux densities which require increased precision and sophistication in instrumentation and machine tool design and applications. The concentration spans must dramatically increase. The recent statement by a Pentagon spokesman that the United States needs a “precision manufacturing capability” only indicates the scale of what is required.

As we know, the cultural level of our workforce, and the communities from which they are drawn, must be dramatically and joyfully “up-shifted,” to reflect a growing mastery and celebration of the creative capabilities in each person. This requires, as Lyndon and Helga LaRouche have developed, a conscious return to Classical cultural principles. These qualities will necessarily be reflected in the growth and development of our families and family life.

This requires that we mobilize the potential which exists in the young. We must “fire their imagination.”

First Tier

The first tier of a modern day “Space CCC” can draw again on the model of the original Civilian Conservation Corps (CCC) program of the 1930s and early 1940s.

Looking back at the original CCC’s lifespan (1933–42), there are admirable aspects of the program which could be imitated today. The New Deal CCC effort put



EIRNS/Brian Lantz

A community college manufacturing lab in Houston, Texas, showing machine tools driven by computer numerical control (CNC).

a total of 3 million young men—between the ages of 17 and 28—to work, over the years from 1933 to 1942. An average of 300,000 people per year went through the one-and-a-half-year program, with the peak reaching 500,000. This was approximately 5% of all young men in that age range. The enrollee’s family had to be receiving some form of government financial assistance to qualify. It became, at the time, the most popular government program by far.

Today, there are about 30 million Americans identified as between the age of 18 and 24 years of age. So a similar “first tier” program with a scope similar to that of the 1930s might enroll 600,000 a year. Because this time women will also be enrolled, *the program would encompass 1 million or more*. That would require between 5,000 and 6,000 campuses, with facilities, multiple skilled LEMs (what the CCC called “locally experienced men”) assigned to each facility, and 10-20,000 teachers, along with staff and logistics providers.

This time campuses could be urban as well as rural based, with significant educational and cultural components, and collaborate with community-based organizations. This “first tier” would play a vital part in building out a new national infrastructure platform for our nation, and participants can be expected to deploy as productive cadre in building up modern healthcare and food production systems in developing countries.

Many will also go on to become part of our advanced high-tech workforce.

As in the 1930s there are advantages to locating Space CCC campuses near work projects. Additional training and broader educational and cultural programs would occur at the facility or nearby. Otherwise, there is too much time wasted and attention spans lost. The initial mapping of prioritized infrastructure projects, urban and rural, will therefore be important, and the logistics then worked through for siting of campuses. Adequate housing on site, as well as flexible study and training/teaching facilities would be required, making use of now-vacant manufacturing facilities, urban shopping centers and military bases, vacated farms, facilities in rural areas, and so forth.

Clearly the creation of a new CCC today requires that the cultural programs be developed, initiating programs that infuse young men and women with Classical culture, sparking through beauty a passion for discovery and creation. This would optimally include choruses in every campus with maestros, concerts, traveling performances involving the recruitment of well-qualified theater groups, and scientist-pedagogues.

Second Tier and the Machine Tool Principle

What we might call a higher, “second tier” within an overall Space CCC, would be organized, not around workforce campuses, as might less skilled jobs training, but immediately around advanced training centers, those that exist and new “manufacturing and innovation centers” to be built. The second tier would address the young men and women who already have, or soon will have, a high school education or GED, and are ready to think about their future in terms of a career and technical education. NASA’s in-house training programs could provide useful insights. These programs would overlap with and be federally coordinated with existing and expanded apprenticeship programs, which would also need continued federal support and to be further incentivized.

At the core of this is what Lyndon LaRouche calls the “machine tool principle.” In a July 1997 address to a Washington audience, Lyndon LaRouche said:



EIRNS/Brian Lantz

Manually operated machine tools in a community college manufacturing lab in Houston, Texas.

When you’re dealing with science, scientific discovery, when you discover an idea, you’ve got to prove it, haven’t you? You say, “I’ve discovered a solution to this problem.” Someone says, “Well, how can you prove it’s true, how can you prove it’s right? How can you prove it in nature?”

So, you construct what’s called an experiment. It’s called a crucial, or proof-of-principle, experiment, to prove that nature works the way your discovery says it works. That’s called a Machine-Tool Principle. Now, when you take the apparatus, which you used to construct that experiment, you walk into a guy who designs machine tools, or similar kinds of products. This guy, having seen your experimental device—he probably helped you build the experiment—now says, “Look, I can design a whole group of new kinds of products, and new kinds of machine tools, on the basis of this discovery which you demonstrated, by looking at your experiment, understanding your experiment, I can see how to build a whole new class of products and processes out of that...” And that’s the way it works. You combine the development of the mind, with the development of the products and processes, which the mind’s discovery of principle has devised. And that’s how you produce—that’s called scientific and technological progress.

Re-creating a base of skilled machinists is central to this.

What might our Moon/Mars Mission and the broader, renewed national manufacturing base require? There are currently 469,000 machinists working in the United States, according to the U.S. Labor Bureau of Statistics, for example, with a median income of \$45,750 (\$22 per hour). We are intending to bring back critical supply chains, build 21st Century infrastructure, and build up the high-tech manufacturing base of a U.S. “full set” economy. In the short term, if we were to *triple* this number of machinists needed for such efforts, what would that involve? This would require training an additional 800,000 motivated men and women in at least an initial two-year professional machinist program, over a decade at most. They would already need a high school education or GED, and have a serious interest before entering these programs. There would then be continued on-the-job training, and opportunities for additional certifications and advanced work.

If this initial “burst” effort to produce 800,000 young, new qualified machinists was to be completed within approximately a seven-plus-year period (for example), this would require approximately 125,000 students entering the program each year and successfully completing the program in two years. Multiply that by similar advanced programs for engineering techs, nurses, welders, and plumbers.

How do we recruit people to such jobs? One skilled

machinist and teacher explained that the biggest hurdle in getting students interested is convincing them that the work is not dirty, hot, and physically hard. Because people have the idea that this is like working as a car mechanic or otherwise working in a shed, this teacher’s community college program has been able to fill less than 50% of the available training program positions. But, once a student starts the program, he or she quickly get hooked by the process of learning the skills, problem solving, and creating.

This gets back to the national and international mission.

In galvanizing a full-stop Moon-Mars colonization effort, led by Presidents Donald Trump, Xi Jinping, Vladimir Putin, Prime Minister Modi and others, we will thus provide the missing ingredient to our global workforce quandary.

There is no trade-off among space exploration, feeding the world, and ensuring healthcare for all of humanity! What is required is *leaps in physical productivity*—waves of “spin-offs” propagating throughout the entire world economy. This in concert with optimistic waves of up-shift in the cultural life of our societies.

That is, inspiring all of our youth to become the newly upgraded workforce of skilled high-tech machinists and electricians—as well as engineers and scientists—that we require. We can, in accomplishing this, also inspire our parents and grandparents with newfound hope for our nation’s future and our place in the world.

CHAPTER 7

A Hamiltonian Credit System for Development

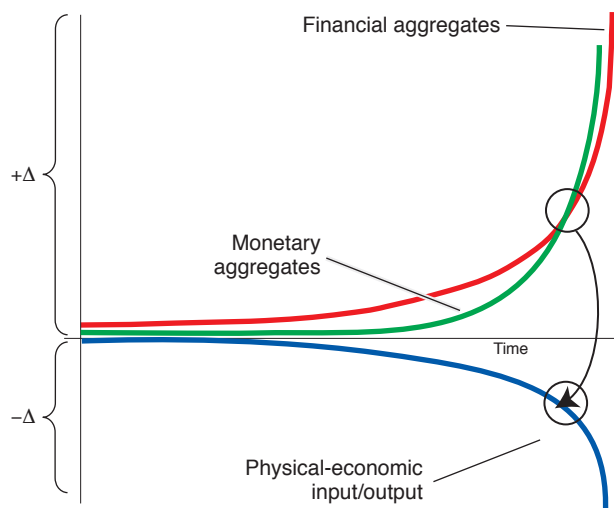
We will generate the investment credit necessary to carry out the job creation program outlined in this proposal through the American System of economy, rather than continuing with the suicidal policy of trying to bail out a \$1.8 quadrillion speculative bubble with endlessly increasing quantitative easing and other bankers’ bailouts at taxpayers’ expense.

The American System was founded on the knowledge that human invention and creative ideas are the source of wealth; they represent the human capacity to

understand the laws of the physical universe and to act on them, more powerfully with every new discovery of those laws. The American System of economy appeared as early as the 17th Century Puritan colonists of the Massachusetts Bay republic. It directly opposed the British free trade system which destroys us today, which teaches that wealth comes from advantage in trade (buy cheap, sell dear) and financial speculation; the Physiocratic system, which peddles the superstition that wealth is simply ownership of land; and the

FIGURE 1

The Collapse Reaches a Critical Point of Instability



socialist idea that wealth comes simply from physical labor.

No, said the brilliant first American Treasury Secretary Alexander Hamilton: Wealth is the product of human invention which has been provided with *credit* to become new machinery, a new form of power or chemical process, a new tool. Hamilton's idea that the purpose of banks is to "put the savings of the nation in the hands of those able to use it most productively," created commercial banking in America. His creation of national banking enabled a bank, acting between the government and private banks, to leverage the savings of the nation for years into the future, as *national credit for manufactures and infrastructure*. Hamilton's [Report to Congress on Manufactures](#) was the first appearance in America of the full intention that the United States would become a great manufacturing nation, not a playground where European financial speculators prey upon impoverished American farmers.

British monetarism inculcates the idea in the credulous that *money* has a value in itself. The modus operandi is to corral the power to create money in central banks, controlled by private banks and private financial concentrations, which can use that power to indebt not only entire industries, but governments as well. And when private debt speculations collapse, print large

volumes of money to paper over the losses, and thereby further indebt the population. When a large speculative bubble collapses, the central bankers' job, in a British monetarist system, is to inflate the next, larger speculative bubble. They've been doing it for centuries wherever they're allowed to.

The late Lyndon LaRouche identified the characteristic of this system with his "Triple Curve: A Typical Collapse Function" (see **Figure 1**). Physical economic production is suppressed in this process, and declines in real terms, while the volume of debt and other financial aggregates increases at an increasing rate; and money ("monetary aggregates") is printed (electronically or otherwise) at an accelerating rate to pay at least part of debts which are tending to collapse. When these curves become hyperbolic, and particularly when money printing starts to accelerate its rise even faster than debt ("financial aggregates"), while the physical economy plummets, the financial system crashes.

We are going to reverse that disastrous pattern.

The recovery from this deep, global crisis requires the United States to return to the policies of Alexander Hamilton, which made America the world's leading industrial nation. Hamilton's policies were employed over 150 years during great crises, not just by Presidents George Washington and John Quincy Adams, but also by Presidents Abraham Lincoln and Franklin Delano Roosevelt, each time lifting higher the American economy—and, in FDR's case, the economies of several other nations as well.

LaRouche's 'Four Laws'

The great economist Lyndon LaRouche applied the American System to industrial and agricultural development of the planet, for more than 60 years until his death in 2019. In a 2014 work he [specified](#) it in four fundamental policies:

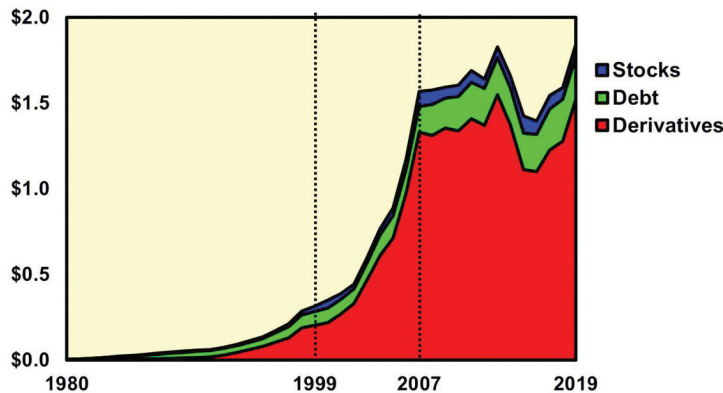
1. Restore the Glass-Steagall Act to break up the immense "universal banks" in the orbit of the City of London and Wall Street, and put the entire speculative bubble—today exceeding \$1.8 quadrillion—through bankruptcy reorganization (see **Figure 2**, World Financial Aggregates).

2. Establish Hamiltonian national banking to provide credit for recovery, for example, by nationalizing the Federal Reserve and taking it out of the hands of the private financial predators who run it today.

FIGURE 2

World Financial Aggregates

(quadrillions of dollars)



3. Direct credit to develop new-technology economic infrastructure and technologies that increase the energy- and power-density of production, working closely with other sovereign nations on such global infrastructure projects.

4. And finally, launch “science drivers,” including scientific crash programs for advanced fission and fusion power, and exploring the Moon, Mars, and the Solar System.

To launch this great mobilization, the United States President and Treasury should start by nationalizing the Federal Reserve Bank, consolidating their direction of the Federal Reserve as a Bank for the economic purposes of the United States—not Wall Street and the City of London.

Then the purposes for which the Fed now prints and issues currency—bailing out financial markets and the biggest banks, acquiring vast hoards of financial assets to prop up their value—will be ended by the new direction of the nationalized bank. Corporations can be set up within the Federal Reserve, not to continue speculation, which must simply be wiped out, but to provide credit to infrastructure, in particular health infrastructure.

The nationalized Federal Reserve, or new Hamiltonian National Bank, will act as the credit channel for new economic infrastructure built nationally, including by buying the infrastructure bonds of states and municipalities.

And whereas the Federal Reserve is now providing nearly half a trillion dollars in loans (“swaps”) to *for-*

eign central banks, the new bank will instead provide credit for the export of capital goods—especially for the building of hospitals and public health infrastructure in developing countries. It will do this in joint credit operations with the development banks of China, Russia, Japan, India—this will be a new international credit system as President Franklin Roosevelt intended the Bretton Woods system to be after World War II. And the nationalized Federal Reserve can also provide capital to the United States Export-Import Bank and other agencies that are supposed to help build health, energy, and agriculture infrastructure abroad.

In the United States, we will develop the “science drivers” to accelerate the inventions and breakthroughs in technology and lift the economy to a new level while reindustrializing it. This means doubling NASA’s budget immediately for the mission to return to and develop the Moon in order to go on to Mars. We will finally bring the laser-machine-tool revolution into our industry. Within a few years we will be producing advanced nuclear reactors, inherently safe and made in small modules to site throughout North America and abroad, and using them also for desalination against drought. We will electrify the railroads and make them high-speed—soon magnetic levitation—rail corridors.

The big banks won’t like losing the Federal Reserve that has always backstopped Wall Street speculation. But we will have to break up those banks by reinstating the Glass-Steagall Act to put them through bankruptcy reorganization. We will need “clean” commercial banks that are not in the business of speculating and broker-dealing with depositors’ funds, but rather, commercial banks that can work with the nationalized Federal Reserve to provide the loans to designers, builders, inventors, and staffers of this new infrastructure for human life.

These actions—domestic scientific and technological development, and international cooperation in building new world public health infrastructure and a “world land-bridge” including high-speed rail—are the means to create many millions of new, productive jobs, 50 million such jobs over a decade. They will transform the knowledge, skills, and occupations of the American workforce in the direction of rising productivity, improved standard of living, and increasing power over nature.

An Appeal to American Citizens: What the World Needs from America!

by Helga Zepp-LaRouche

We have come to the point where the citizens of the United States need to recall the best tradition of their history: the American Revolution, the War of Independence against the British Empire, the principles expressed in the Constitution and Declaration of Independence, and the principles of the American system of economics as developed by Alexander Hamilton, Henry Clay and Henry C. Carey.

The essence of all these aspects of U.S. history is very clearly stated in the Preamble to the Constitution:

We the People of the United States, in Order to form a more perfect Union, establish Justice, insure domestic Tranquility, provide for the common defense, promote the general Welfare, and secure the Blessings of Liberty to ourselves and our Posterity, do ordain and establish this Constitution for the United States of America.

This intention of the Constitution, expressed in the preamble, to promote the general Welfare not only for the present generation, but also for all future generations, contains an implicit rejection of the so-called “shareholder value” policy and the unbridled free trade of globalization, promoted then and now by the British Empire, which has not only widened the gap in the United States itself between a caste of increasingly rich billionaires and the growing numbers of impoverished, but is also responsible for the catastrophic underdevelopment in so-called developing countries.

Clearly, the world will never return to the status quo that existed before the coronavirus pandemic broke out. We are at an absolute turning point in history, where we will either be able to put the world in order with the program we have outlined in these pages, to defeat underdevelopment, or we are threatened with plunging into a dark age. The phase of unrestricted globalization—which the protagonists of a unipolar world have at-

tempted to implement, in particular after the collapse of the Soviet Union in 1991, and which led to a global wave of protests, including the election of Donald Trump—is over for good.

Lyndon LaRouche had forecast the catastrophe now unfolding before our eyes in all its aspects, from his characterization of President Nixon’s disastrous destruction of the Bretton Woods System in 1971 and his forecasts of the danger of pandemics resulting from the monetarist policy, to the systemic collapse of the financial system. During the same time, spanning half a century, he presented an unprecedented number of solutions for overcoming the crises in the United States and internationally, and it is in that same spirit that the program herein has been conceived.

Any honest person who reads these analyses and programmatic proposals today, in light of the current pandemic and the destruction of the real economy, will conclude that Lyndon LaRouche was a man of providence. The idea of providence is not meant here in a strictly religious sense, but in that his entire method of thinking was so highly in accordance with the principles of the physical universe, that his analyses and creative proposals were of a tremendous, almost prophetic precision. He thought and worked “in tune” with the intention of the universe, and if correctly understood, of the Creator.

Therefore, the greatest crime committed against LaRouche by his unjust jailing and lifelong vilification by that same McCarthyite apparatus that is responsible for the ongoing coup attempt against President Trump, is not only the outrageous injustice done to LaRouche personally, but above all that it has made it extremely difficult for Americans and others around the world to have access to these solutions. In many ways, the enormous hardships that the population now endures, due to the combination of pandemics and the economic crisis, are the result of the political persecution of this extraordinary thinker.

And unfortunately, his warning that no one would be safe if his persecution were tolerated has been borne out. When one considers, for example, how General Michael Flynn has been and will be prosecuted, the famous quote by Martin Niemöller comes to mind: “When the Nazis came for the Communists, I was silent; I wasn’t a communist. When they locked up the Social Democrats, I was silent; I wasn’t a social democrat. When they came for the trade-unionists, I was silent; I wasn’t a trade unionist.”

It is past time for Lyndon LaRouche, the man and his ideas, to be fully exonerated, and I personally call on President Trump to do so.

But Lyndon LaRouche’s ideas are alive, as this program for the creation of 1.5 billion new, productive jobs worldwide underscores. The United States has now reached a breaking point in its history, where the ideas in the tradition of the pledge of the U.S. Constitution will be realized, or the financial reconquest of the American colony by the British Empire will plunge the entire world, together with the United States, into a dark age.

This is the time when the demand that Nicholas of Cusa—who had already laid the foundation for the American Republic back in the 15th Century with his works—set out in his *Concordantia Catholica*, has become a question of survival for the entire world. He established that the only legitimate basis for a nation’s existence is its commitment to the common good of all nations, and to such a relationship among all nations. Precisely that was the intention of Benjamin Franklin, of the U.S. Constitution and the Declaration of Independence against the British Empire. It was also the foreign policy conception of President John Quincy Adams, that the United States should be part of an alliance of completely independent sovereign republics, linked together by a common idea, and that America was not called upon to “go abroad in search of monsters to destroy.”

The key to building such an urgently needed alliance today is positive cooperation between the United States and China. The coronavirus pandemic has made it undeniably clear that the hollowed-out combined industrial capacity of the global economy is nowhere near sufficient to feed and to sustain in dignity the world population today. Cooperation between the two largest economies in the world is therefore an essential prerequisite for overcoming the impact of pandemics, starvation and poverty in Africa, Latin America, parts

of Asia and even regions in Europe and the United States.

Although, thanks to the manipulations of the British secret services and Anglophile politicians in the U.S., a great deal of damage has been done to the U.S.-China relation through the “blame game” regarding the origin and handling of the Coronavirus, and although the current “China-bashing” evokes the darkest memories of the McCarthy period, constructive cooperation between the United States and China not only is absolutely possible, but also points the way toward a new era in human history. This era must be characterized by the overcoming of geopolitics, and the promotion of the general welfare of all nations on this planet.

Given the existential problems that many people in America are facing due to the pandemic, there may not be much public awareness of the huge gap that exists between the image the United States enjoyed in the world at the time of the American Revolution and during the presidencies of George Washington, John Quincy Adams, Lincoln or Franklin Delano Roosevelt, and the United States that has waged endless wars throughout the world since the end of the Soviet Union under the Bush and Obama administrations. America was once regarded by all republican circles around the world as a temple of liberty and a beacon of hope, as a country whose Constitution served as a model for republican aspirations in many countries around the world. But the admiration and friendship gave way during the Bush and Obama Administrations to fear, or worse, U.S. military power.

It is five minutes to midnight to deliver on the promise for a constructive relationship with President Xi Jinping and China that emerged in the early days of the Trump Administration. Given the complete discrediting of “Russiagate” and the likely legal proceedings against the British-inspired coup plotters, nothing stands in the way of constructive cooperation between the United States and Russia, as has been indicated between NASA and Roscosmos. If the U.S. now takes the lead in the economic reconstruction program and the creation of 1.5 billion productive jobs in the world, and helps to make the New Silk Road become the World Land-Bridge, then the United States will regain the place it once had in the eyes of the whole world: as a pioneer of freedom and hope for all mankind.

II. The Battle for that Future

SCHILLER INSTITUTE STATEMENT

Stop the Hunger Pandemic! Save Farmers, Deliver the Food

May 20—The world death rate from famine this year could reach 300,000 people a day, unless we mount a food mobilization to stop it. This threat far exceeds the 315,000 death toll so far from COVID-19. We face a hunger pandemic “of biblical proportions,” David Beasley, Director General of the UN World Food Program (WFP) warned the UN Security Council April 21.



Family farming is key to delivering food to all who need it. Shown is a Midwest cattle rancher.

At the same time, farmers in the U.S. are mass destroying their meat animals, milk and other food. By September, 10 million hogs may have been put down. Millions of eggs and chickens have been destroyed, and millions of gallons of milk dumped. It is known why farmers are forced to do this, and yet it continues. Farmers themselves are facing ruin. This must stop.

We have to have a crash program to save farmers

and agriculture capacity, and to deliver the food to all who need it. With this emergency mobilization, we can launch the replacement of the globalist cartel system which caused the vulnerability to disease and scarcity in the first place. It is a policy failure. There is nothing “natural” about this disaster.

In Africa and South Asia, the desert locust plague is ravaging cropland in a second wave of devastation, when it was known ahead of time, and could have been stopped.

It is a crime against humanity to allow this destruction to continue. Farmers want to produce food. Millions of lives are at stake.

Save Farmers, Stop Food Destruction!

In the United States, butchering capacity, monopolized by a cartel of five multinational commodities firms, has been consolidated into fewer than 300 mega-processing facilities accounting for 80% of the meat, while another 2,000 facilities provide only 20%, in contrast to 30 years ago, when over 9,000 facilities of all sizes were in operation. Workers at today's

mega-plants are underpaid, work in slave labor-like conditions, and are commonly undocumented and fearful.

The situation is the same in Germany, in Spain, Brazil, and many other producing regions. In Germany in May, large meat-processing facilities were shut in Schleswig-Holstein and North Rhine-Westphalia, with hundreds of workers down sick, and others quarantined in their squalid barracks. They are low-paid labor from

Hungary, Bulgaria, and Poland. Their situation is the norm everywhere for the global meat cartel.

When COVID-19 swept through the giant U.S. packing plants, thousands of workers were stricken; dozens have died. Plants shut. A Federal order was issued April 27 for them to re-open—under safe protocols—but no Federal intervention was made. No adequate corporate measures have taken place. Dozens of the slaughtering houses remain closed, or are only partially open. The backlog of “stranded” animals—ready for market—numbers in the millions. Farmers have no means to warehouse livestock, and they have received

institutions such as schools for expanded storage.

The principle involved is to save all possible food from destruction, and to defend farmers and ranchers everywhere in the world. Get the food to everywhere it is needed. Milk capacity is in crisis. Expand every way to process milk for longer storage and distribution, including cheese, powder, ultrahigh-temperature pasteurized products, as well as to maximize fresh fluid milk. Pay the farmers properly; preserve the herds. There is no “glut” of milk, nor pork, nor grain, nor any other food, as the “markets” talk of supply-and-demand would have you believe.



Pixabay/Maireche Mourad

Spraying for the coronavirus.



Many large meatpacking houses remain closed.



Anonymous dairy farmer

Milk dumping.

no income support for their losses. Farm country suicides are the highest in the nation. The U.S. stands to lose a quarter or more of its farm and ranch producers in the coming months.

There are severe disruptions to milk and other perishables, the processing and retailing of which are also cartel controlled, and concentrated in the same vulnerable way.

Deploy emergency measures now. In the U.S., this means Federal financial aid immediately to the farmers, and Federal intervention by forces of the Army Corps of Engineers, Federal Emergency Management Agency, and other agencies, to sanitize and reconfigure all food-processing facilities for safety and maximum throughput. Create proper working conditions and wage levels; organize additional work teams. Locate contingency processing capacity; provide credit and aid for expansion. Locate extra freezer and locker capacity at closed

Deliver Food Aid, Double Agricultural Capacity

Before the COVID-19 pandemic, the world already had 821 million people who chronically have no reliable daily food, which is now labeled as “food insecurity.” The World Food Program had been providing food aid directly to 100 million people in acute need of food, who would have perished without it. But now, the WFP foresees this number of people in acute need of food, shooting up to 265 million people this year, and possibly many more. Their locations include: 194 million people in 37 nations in Africa; 62 million people in 10 nations in Asia; 33 million people in 6 nations in South America and the Caribbean.

Start a production mobilization. The tonnage of food aid for this number of people, considered just in terms of cereals grains, is 50 million metric tons this year. This is fully 20% of all the grains traded annually on the world market in recent years. The land area re-

quired to yield this much grain is the size of Belgium. More food must be produced. The WFP has put out a donations appeal for \$12 billion for food aid this year, way above last year's \$8 billion appeal. But even if *pledges* miraculously come through, will the *food* be there?

Deploy for the goal to double world food production as soon as possible. Instead of the current annual grains harvest of 2.5-2.7 billion metric tons (bmt), a world harvest of 5 bmt will provide a quality diet for all, support population growth, and enable food reserves for security.

The Schiller Institute had called for this 12 years ago, and had it been achieved by now, there would be no threat of a hunger pandemic today. On May 3, 2008, Schiller Institute founding President Helga Zepp-LaRouche issued a [call](#), that "it will be fatal for the world as a whole, if we do not succeed immediately, in the coming days and weeks, to declare globalization a failure, and to set everything into motion to double agricultural production capacity in the shortest possible time!"

But the cartel monopoly system has only tightened its control since the 2007-08 financial crisis. The cartel's lying narrative is that producing abundance means low prices and bankruptcy for farmers, and that cartel global food sourcing serves populations better than national food self-sufficiency. Today's crisis exposes those lies.

Use every means now to support production of the needed volumes of food for the pandemic and hunger emergency, especially by making calculated use of the Southern Hemisphere harvest, and Northern Spring planting seasons now underway, and their alternating crop cycles ahead.

Stop Africa's Locust Plague

Deploy all resources to stop the second wave of desert locusts that now extends from East Africa across to India. The crop losses are terrible. In one day, a small swarm can consume the food in a square kilometer of crops—the food 35,000 people would eat in day. At harvest time in June and July is just when the hopper

stage of the second swarms of the locust will mature to young adults, capable of vast destruction; 42 million people in ten nations are in the affected zone from Yemen south to Tanzania. The Food and Agriculture Organization has succeeded in helping save 720,000 tons of food in the region, pre-positioned for 5 million people for a year.

Expedite the provision of needed aircraft, chemicals and personnel for aerial spraying, the mainstay for killing the insects. The FAO has appealed for \$150 million, but pledges remain under that amount. If not stopped, the locusts will spread westward into the Sahel this



FAO/Sven Torfinn

A second-wave, massive swarm of Desert Locusts now extends from East Africa to India, destroying crops on a scale not seen in generations.

summer. Between commercial crop sprayers, drones and military expertise, this scourge can be ended. Allowing it to proceed is genocide.

Declare debt moratoria and cancellation for the whole continent of Africa. No scarce national resources can go to debt payments at this time of need for anti-pandemic and anti-hunger operations.

The next step is credit for launching the development projects to realize the vast agriculture potential of the continent. Africa has half the world's arable land still remaining to be brought into cultivation and pasture. It will be the farm belt of the whole world.

But the African agro-industrial economy has been deliberately kept down by the City of London/Wall Street monetarist system. The continent went from being 25% dependent on outside imports of staple grains, 30 years ago, to now 40% dependent. The cartels dominate that trade, while profiteering off cheaply

The Transaqua Project



Transaqua: one of the great projects for Africa.

produced African food sent to Europe—fruits, vegetables, flowers, fish. The same cartel trade pattern in the Americas ships food to the United States from economies kept poor, and desperately needing food aid, such as Guatemala and Haiti. As of 2019, the first beef from Africa went to Europe, and this year, into the United States. Namibia, 60% import dependent for its basic consumption, is now exporting beef, which capacity belongs for Africa.

Start the great projects. The Transaqua project, a continental priority, will resupply water to the Lake Chad Basin, benefitting the entire Sub-Saharan region, by diverting flow from the Congo River Basin, which will benefit from new transportation, power, agriculture and water management systems. Nuclear power and desalination on the Mediterranean and other littorals will create vast new water supplies. These programs will end the grounds for national conflict over how to use

scarce resources.

Sovereign Government Action

Food is a human right. If governments assert sovereignty over food and farming, we will defeat the hunger catastrophe, and open a new era of food sufficiency for all.

Three areas of action: Anti-Trust: First, break up the food and agro-monopolies (chemicals, fertilizer, seeds) and cartels. Invoke national security in the short term, to override cartel practices blocking emergency food measures. Then use full-scale anti-trust laws and executive orders. Every nation has this authority, and most have precedent. Some governments may nationalize food enterprises. Restore nation-serving policies of food reserves, and regionally dispersed food processing, advanced food preservation—including irradiation—and diversified farming. Abandon the World Trade Organization, whose premises are designed to oppose national sovereignty over food.

The world grain trade has come to be dominated by ABCD, the cartel accounting for 90% of all grain traded: ADM, Bunge, Cargill, Louis Dreyfus. In the course of their consolidation of control, sovereign national grain boards were eliminated; nationally controlled food reserves eliminated; single-crop monoculture became widespread. A world meat cartel of mega-multinationals also dominates in most nations. In the U.S. the five main firms controlling meat processing and marketing are JBS (Brazil-headquartered); Cargill (U.S.A.); Tyson Foods (U.S.A.); National Beef (Manning, based in Brazil); Smithfield (WH Holdings, China). Their standard operating procedures created a disaster.

Take measures to end all other kinds of financialization of food and farming. Stop food commodity specu-



lation on the world's major exchanges. Stop lenders and trading cartels demanding that poverty-stricken nations export food to earn foreign exchange.

Support family farmers: Secondly, supply emergency income support to farmers. No foreclosures. Declare debt moratoria, and reorganization during this emergency. Indemnify farmers and ranchers for livestock and related losses. Establish a parity-based farm commodity pricing system. Utilize laws already on the books, but ignored under the cartel dominance: in Europe, the Common Agricultural Policy (CAP); in the U.S., the Commodity Credit Corp. (the CCC from the 1930s), and other models and initiatives.

End the anti-farming “green” rules and harassment, done wrongfully in the name of protecting the environment from climate change. Launch the overdue infra-

land availability. Use the spirit of President Abraham Lincoln's initiatives, e.g. the three-page Homestead Act, which settled farm families throughout the vast Midwest. The ingenuity and mission of family farm members, with the living standard, education and science to go along, are the best guarantees of food security for every nation and worldwide.

Spread the model of the “astronaut farmer,” equipped with global positioning, data keeping, mechanization, and scientific practices. Farmers-as-ambassadors are ready and willing to go and spread space-age agriculture and space-age brotherhood.

International collaboration: Launch the international collaboration to make all this work, to provide the needed food relief in the coming weeks and save millions of lives; and to start the shift to a new paradigm



EIRNS/Robert Baker

Technologies derived from the space program will enable farmers to ramp up world food production. Here, a Midwest farmer monitors a system that regulates the application of fertilizer, as his GPS-guided tractor tills his field. Applicator is seen at right.



EIRNS/Robert Baker

structure projects on every continent, to provide vast new amounts of water, power and transport, essential to productive agriculture.

Create the required credit through either scaling up one or more of the existing development-oriented multilateral banks with multi-nation membership—e.g., the New Development Bank, or the Asian Infrastructure Investment Bank (AIIB), or create a new vehicle in FDR's tradition of agencies mandated by the 1944 Bretton Woods conference. Today's epochal crisis makes such a strategy realistic.

A million new farmers on every continent. Organize special means to widely expand the family farm system, especially young farmers and ranchers starting out, through direct grants, tax benefits, ample credit and

of economic functioning and great power relations. China is already active in Africa with water, power and rail projects in the Belt and Road Initiative, aligned with the African Union's [Agenda 2063](#) program. Russia is active with Egypt's nuclear power and desalination plans, and other projects. Add what the United States can do, being the largest food donor in the world, and a new era of strategic cooperation opens.

We call on the leaders of the great powers to initiate collaboration against the hunger pandemic. Include this on the agenda of their earliest possible summit: Presidents Donald Trump, Xi Jinping, Vladimir Putin, Prime Minister Narendra Modi, and others who are willing.

“Give Us This Day, Our Daily Bread” is a universal plea. Let us answer this prayer.

America's Historic Enemies— and Trump's 'Russiagate' Enemies— Are Behind the Escalation Against China

This is the edited transcript of the Schiller Institute's May 20, 2020 interview with Helga Zepp-LaRouche, by Harley Schlanger. Subheads and embedded links have been added. A [video](#) of the webcast is available.

Harley Schlanger: Welcome to our webcast with our founder and President Helga Zepp-LaRouche. Today is May 20, 2020.

We have had a series of crises, and there's a definite push coming from especially the City of London and their allies in the United States to augment these destabilizations. Their anti-China campaign has escalated around the World Health Assembly annual meeting. What was going on there?

Helga Zepp-LaRouche: Most people cannot have but noticed that the anti-China tone has become absolutely shrill. Listen to what Peter Navarro, the Director of Trade and Manufacturing Policy; Secretary of Defense Mike Esper; talk show host Tucker Carlson; and Secretary of State Mike Pompeo are saying. It's a kind of accusation which, if it all were true, would be *casus belli*—but it's all lies, it's even more *casus belli*.

One has to remember that a lot of the anti-China forces—it originated with British intelligence, MI5, MI6—these were the same forces that during the first three years of the Trump Administration focused on Russiagate, making accusations that Russia manipulated the 2016 election. If one looks back now, what was happening there? Nothing! It was all a big lie. What were the grounds for impeachment? And it is exactly that same apparatus that is now focussing on the effort to divide China and the United States. These forces need this kind of geopolitical manipulation to

keep control. If the large powers of the world were to work together, then the role of the British imperial power diminishes into insignificance.

The coronavirus pandemic has created a total crisis. This is an enormous health crisis. The so-called “opening up” of the economy is creating all kinds of dangers, this in the context of the effort to get President Trump to go with this whole anti-China campaign.

Unfortunately, he signed a letter—it's not clear if he really wrote it, there's a lot of detail in there that I doubt the President would fill out himself—but the letter was sent to the Director-General of the World Health Orga-



Dr. Tedros Adhanom Ghebreyesus, Director-General of the World Health Organization.

nization, Dr. Tedros Adhanom Ghebreyesus, on the occasion of the World Health Assembly's annual meeting. All of these accusations, that China covered up, that China didn't transmit the information in time, that by delaying caused all these economic hardships, are in the letter. It accuses the WHO of being completely in the pocket of China and demands that the WHO prove, within 30 days, that it is independent of China, or else the U.S. will leave the WHO altogether, or permanently cut U.S. funding.

Now this is very unfortunate. Many of the remarks in there are factually not true. The letter quotes the British medical journal, *The Lancet*, having reported in the beginning of December about the virus. Immediately the editor of *The Lancet* said that it never had published anything like that, in fact the first report in *The Lancet* was on January 24. This is really an Achilles' heel for President Trump. We need to underscore the geopolitical nature of these lies. We should remember what Pompeo said: that when he headed the CIA, they made it sort of a sport to lie, to cheat; and that is obviously what is going on right now.

This is very dangerous. If you make such enormous lying accusations against another nation, it can be seen as the kind of black propaganda released as a prelude to war. And it's being noted in China very seriously. We should all try to do our best to undo this.

Schlanger: Is this coming from the same British networks? We see it from Pompeo and others in the U.S., but we've also identified British-based groups like the Henry Jackson Society. They're continuing their escalation against China, aren't they?

Zepp-LaRouche: Yes. And the aim is really, potentially, to even decouple the countries allied with the United States from those allied with China. At the minimum this is bloc building as existed in the Cold War. Under the present conditions, this would lead to a collapse of the world financial system and a hyperinflationary blowout of the system. This is playing with fire.

Schlanger: The letter from Trump was addressed to WHO Director-General Tedros Adhanom Ghebreyesus, who spoke at the annual World Health Assembly, the decision-making body of the World Health Organization. Xi Jinping also spoke there. The U.S. was only represented by HHS (Health and Human Services) Secretary Alex Azar. What was said to address the concerns of the entire world about the coronavirus pandemic?

Zepp-LaRouche: Dr. Tedros said that this pandemic must never be repeated. It caught the whole world relatively unprepared, though all the warnings were there. He said the tools were there, but not used, due to a "temporary amnesia." He called for that to be remedied, and called for the establishment of a world health system.

Xi Jinping made a remarkable speech. Since we all



swiss-image.ch/Valeriano Di Domenico

Wolfgang Schäuble, former German Finance Minister.

are being bombarded by anti-China propaganda, I challenge everyone to read his [speech](#). It's extraordinary. He says that we must think about the many lives which have been lost all over the world in this pandemic, and that we must remember that the most precious thing is human life.

I wish that the former finance minister of Germany, Wolfgang Schäuble had such a noble conception of human beings. Recently he said that it's not the function of the state to protect life as the highest priority. So in that case, I must say that the leader of the Communist Party of China has a better standard of the value of every human life—and I'm saying this deliberately as a polemic.

Xi Jinping then proceeded to say that there must be a focus on Africa; that the world community has to help Africa in this pandemic. The world has to work together as a community for the shared future of civilization.

An effort to derail the World Health Organization meeting failed. An anti-China resolution did not succeed. Instead, a resolution was accepted, stating that after the pandemic has been successfully defeated, there should be an investigation into the origin of the virus to better understand how it functioned, to protect against future such problems, but this investigation should be done under the auspices of the World Health Organization.

Those who are falling into the propaganda that this is all Bill Gates, who's trying to become rich—even richer than he is already—that he is behind the WHO, should stop their nonsense. There are many private firms that help finance the WHO. Does it help if the U.S. pulls out, if other governments underpay the WHO? The remedy is that governments act responsibly

and supply the World Health Organization with the necessary means.

We have studied this from the very beginning. We were extremely attentive to the first information coming out from Wuhan. We compared what was put out then, by the Chinese government, with what others were saying at the time—those who did not respond correctly. Germany's Health Minister Jens Spahn, said in January, "The virus will never come to Germany." In February he said, "The German health system is perfectly prepared." We noted this as it happened. A lot of the so-called facts in President Trump's letter to Dr. Tedros are simply not true.

Once the pandemic is overcome, there must be an investigation. The world needs to better understand the nature of this virus, and viruses in general. The present world health system can and must be improved. But it should be done in a cooperative spirit, in the spirit of a shared humanity and not as a part of a confrontation and geopolitical attacks.

Schlanger: It seems as though some of the discussion and the proposals that were adopted at the World Health Assembly were along the lines of your call for a global effort to improve health service. Where do we stand on a vaccine? There's a discussion of the U.S. "Warp Speed" program. What do you make of that?

Zepp-LaRouche: We have to see. It's good to call on all labs to rapidly work on vaccines, and it's also important that the President of the United States is taking a leading role in mobilizing resources. But I must warn against rushing certain parts of the process. There are many new labs which have promised vaccines soon. A vaccine, especially one that will be used by the entire world population, is something that has to be tested at the highest standards. China has said it will



CC/Olaf Kosinsky

German Health Minister Jens Spahn.

provide the whole world with a vaccine as soon as it is developed there. There must be a cooperative approach.

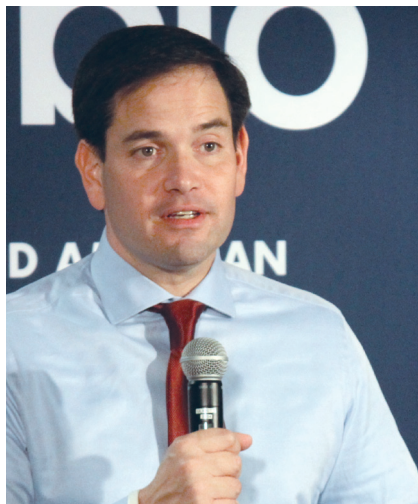
This is such a big threat to all of humanity. The best practice would be for the United States, the Europeans, Russians, Chinese, and others to work together. The more time that is lost in finding an adequate vaccine, the greater number of people will die.

President Trump is being put under enormous pressure from the effects of the pandemic. There are incredible economic consequences. The Federal Reserve just said that the collapse of the U.S. economy in the

second quarter will be 30%; unemployment is going up. The fact that several people tested positive and became sick with coronavirus, in and around the White House, has created a very high-pressure atmosphere for President Trump. I think anybody who is interested in solving humanity's problems should make their voice heard. This witch-hunt against China, the McCarthyite

style of arresting Chinese scientists, or even American scientists with Chinese backgrounds, is really extremely dangerous and foreboding. It has to be stopped.

Schlanger: This started before the coronavirus. Marco Rubio, Senator from Florida, whom Trump had called "little Marco," has now taken over the Senate Intelligence Committee. He's directly collaborating with the Henry Jackson Society in the anti-China campaign. A lot of this is going on in the background. Where do you think U.S.-China relations will go, and what's the view in China?



CC/Matt Johnson

U.S. Senator Marco Rubio (R-Fl.).

Zepp-LaRouche: That's probably the most important strategic question, because if the two largest economies—the previously strongest economy and the rising economy, which after all, has 1.4 billion people—work together, you can solve almost any problem in the entire world; if they clash, it could lead to the destruction of all of humanity. In China, people are extremely aware



The National Committee of the Chinese People's Political Consultative Conference opened its annual session in Beijing on May 22, 2020. Xi Jinping is in the foreground.

of what's going on.

There are many articles in China warning of a new McCarthyism in the United States. The Two Sessions meeting starts in China on May 21. It's a meeting of the legislative body, called the National People's Congress and the Chinese People's Political Consultative Conference. These two bodies have put the U.S.-China relationship on their agenda. We have to see—maybe we'll get some clarity on what China is intending to do in response to this McCarthyism coming from the United States from that meeting.

Many people don't understand China. They have prejudices. They don't make the effort to find out what makes this country tick. Let me open a small window, which should give you some insight. CGTN, the official Chinese TV network, has started a series called "Decoding the Future," scheduled to air at the start of these Two Sessions. The first [episode](#) is *The Power of Artificial Sun: Fusion*.

It's about the EAST program. EAST stands for Experimental Advanced Superconducting Tokamak, a magnetic fusion energy reactor, located at the Hefei Institutes of Physical Science, where about a year ago they succeeded in confining a plasma at a temperature of over 100 million degrees Celsius. That is six times the temperature at the core of the Sun. They were able to confine that plasma for more than 10 seconds, a world record. So, China is right now the world leader in fusion research, and is

also participating in the ITER [International Thermonuclear Experimental Reactor] program in Cadarache, France, in which 35 countries are participating.

Fusion is revolutionary. Once a breakthrough is made and commercial use of fusion power begins, it will provide energy security not only for 1.4 billion Chinese, but for the whole world for millennia to come. And that is why China right now is bringing the best minds of the world together to quickly get such a result. They say that fusion is as important and as great as man's landing on the Moon. People who know China's fusion program will recognize it as exactly what the fourth point of Lyndon LaRouche's Four Laws is all about, namely, that we have to have in-

ternational cooperation for a crash program for fusion power, that we need a new platform of the fusion economy, and that we need international cooperation in space exploration. And that is the way to go!

I'm absolutely sure that the offers from China for all nations to cooperate in these programs are still on the table, and if we are to avoid a clash that could lead to World War III, it has to be in this kind of visionary co-



China's Experimental Advanced Superconducting Tokamak (EAST), a magnetic fusion energy reactor, May 2020.

operation for decoding the secrets of the future of the universe and our human civilization, that we will get out of this terrible crisis. I think this is very inspiring.

And if some people think this is "Communist China" doing that—well, maybe there is something to this approach which is right! People should not just say "Communist China...." If they're going to get a breakthrough in fusion and they put an absolute priority on that,

maybe there is something in their policy which is right. I just want to put this out.

Central Banks Want To Take it All

Schlanger: And then you contrast that with the insanity of the Green financial bubble, which seems to be the approach that came out of this Merkel-Macron session to discuss the financial crisis in Europe. This is BlackRock, the equity firm, the speculation firm, to which the Federal Reserve handed the right to determine who gets the funds to engage in speculation, and they're behind the Green financial bubble. What happened with Macron and Merkel? And is Europe fully committed to this Green policy?

Zepp-LaRouche: Under this Macron-Merkel deal they want to buy €500 billion worth of bonds, supposedly financed by taking this money from the financial markets. But then it's supposed to be paid back through the EU [European Union] budget—so it's not really a grant, because if the EU budget is supposed to finance it after three years, it will be paid by the taxpayers. So the southern Europeans, who are all very happy, saying, “This is a grant”—it's not. It's basically just another effort to keep the banking system afloat.

This deal is opposed by Austria, Netherlands, Denmark, Sweden. And important people within the CDU [the German Christian Democratic Union] are calling on all CDU Members of Parliament and of the European Parliament to prevent it from happening, so I don't think it's necessarily agreed that it will go anywhere. But one should always keep in mind that this is happening in the context of the EU Commission having hired who but BlackRock, the largest asset manager in the world, to write up new legislation to integrate the Green Deal with the general EU program.

Now you can hire the Devil to do your job, because you have now the EU Commission being run by BlackRock *and* the Federal Reserve having hired BlackRock to manage their \$4 trillion program to keep the banking system afloat. So BlackRock is de facto running the fi-

nancial policies of the United States and Europe. And it just happens to be that that is *exactly* what was discussed last August at the big meeting of bankers and central bank governors, which takes place every year in Jackson Hole, Wyoming. That is where the central bankers, especially the then Bank of England Governor Mark Carney, and Michael Bloomberg, and BlackRock and others, put out the line that there needs to be a “financial regime change,” that practically the power has to go entirely to the central banks, and it is they who will run the international financial system.

What you see here in action, is exactly that. And given the fact that Carney and Bloomberg are at one with this Green Deal agenda, does not bode well at all. So, if they succeed in imposing the Green Deal on top of the physical economy, already extremely weakened by the pandemic, you will have a collapse of Europe and the United States as industrial powers. You cannot do that.

I think you have to contrast that with the opposite approach taken by China with the fusion crash program. We have to do everything to change what is happening here, and that is why the Schiller Institute and our associates in the United States are working on a crash program for a completely different approach: To respond to the pandemic and other critical problems with a program for 1.5 billion new productive jobs. [That jobs program, in eight chapters, is in this issue of *EIR*.]

Schlanger: Let me just remind people who don't remember, that Carney and BlackRock worked out a compact among leading banks by which they said they will not make any credit available to any bank or any corporation which is still engaging in creating a “carbon-footprint.” In other words, they're *forcing* the credit to go into the Green financial bubble.

You've mentioned that we're about to put out a program to create 1.5 billion jobs, with the emphasis on science and research and development investment. This is what we have to emphasize, and our supporters have to promote the LaRouche Four Laws and especially the



German Government/Bergmann

French President Emmanuel Macron and German Chancellor Angela Merkel, embrace their €500 billion deal to steal from the taxpayers.



CC/Americasroof

BlackRock, the world's largest asset manager, headquartered in New York City, has been hired by the Federal Reserve to manage its \$4 trillion bailout program for Wall Street. Meanwhile, BlackRock has also been hired by the EU Commission to write legislation to integrate Mark Carney's plan to force all credit into a Green financial bubble, into European Union banking.



WEF/swiss-image.ch/Moritz Hager

is the complete opposite of this Green New Deal, and is the only way to get out of this crisis.

Zepp-LaRouche: Yes. People should just step back and look at the situation that is now becoming obvious, as a result of this pandemic. The pandemic spread and the lockdown affected some European countries more than others, but also the United States very severely, and it's ongoing. But much, much worse was the effect on the so-called developing countries, which unfortunately are not so developing at all, because it hit what is generally called, in a nefarious way, the "informal economy." But that is just a PR word for the fact that it's a shadow economy: It's people working from hand to mouth, who have no resources, who have no benefits, no social security, no health system, and when they are locked down, they are in danger of dying of starvation within days!

That is exactly the warning put out by David Beasley, the head of the World Food Program, who said that the ongoing crisis of agriculture, the collapse of the farm sector in the United States and in Europe, the shutting down of major meat-packing plants, in which people who

idea of Hamiltonian credit: That

while, at the same time, as Beasley is warning, we are looking at the potential for a famine of "biblical dimensions," where the danger is that up to 300,000 people per day could die of hunger in the short term!

That is completely insane, and that, in part, is the result of the neo-liberal policies that denied development of the developing countries for the last 50 years at least—the result of an absolutely profit-oriented system of agriculture under the control of only five cartels. That is why the labor conditions in the meat-packing plants are so absolutely horrendous. That has to be changed.

We need to go back to family farms. We have to have a parity price for agricultural goods; the farmers have to be able to live off their work. We have to *double* world food production—this is a call I had already

are living and working in slave-labor conditions—immigrants—became infected because the working conditions were so bad. The farmers have had to "euthanize"—this is a terrible word to even use for animals—they had to kill tens of millions of hogs, chickens, bury them, instead of processing them for food.

This is leading to an interruption and collapse of the supply chain,



CC/Paulrudd

The hand-to-mouth informal economy: hawking meat from a wheelbarrow in Kabul, Afghanistan (l.) and selling bananas on the street in Tanzania.



CC/Isingo Raphael

made in 2008; that the current production of 2.5-2.7 billion tons of food has to be doubled! If you consider that the world's population is increasing and you already had almost a billion people who were already food insecure, but now are being threatened with starvation; 2 billion people not having clean water, you need to build up agriculture. If you look at the condition of the world, now is the time to completely reverse this and industrialize the developing sector.

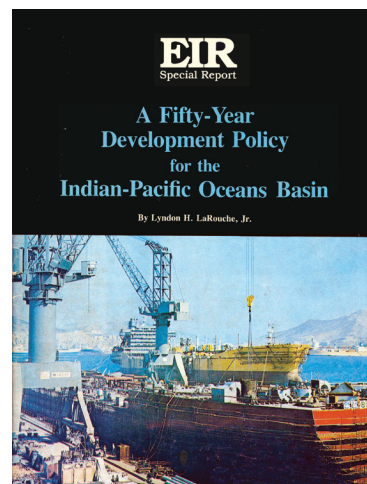
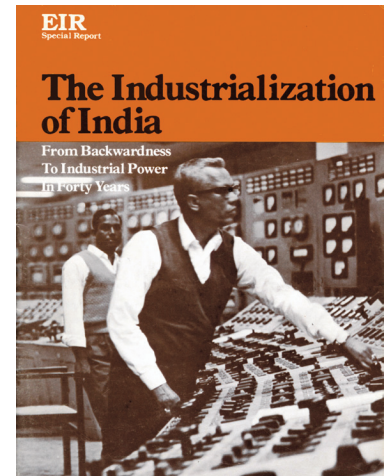
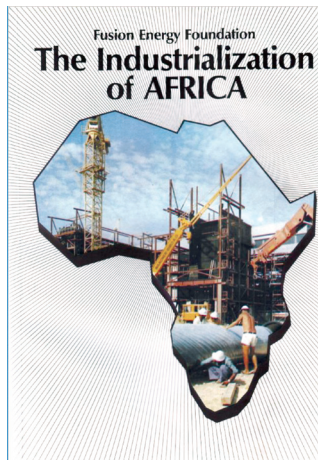
A Call for 1.5 Billion New Productive Jobs

In the United States, that means we will have to create 50 million productive jobs in the short term. For the developing countries, we need more than a billion jobs, because you have a lot of young people, who will either die or try to migrate to the north. We must use this incredible crisis to turn things around, and do what Franklin D. Roosevelt intended with the Bretton Woods system—namely, develop the Global South, or the developing countries

This *has* to occur. Roosevelt, at the time of the preparation of the Bretton Woods system, said that the increase of the living standard of the whole world's population will be the basis for stability and peace in the world, and that is exactly the task we have in front of us today. That is the life work of Lyndon LaRouche, who after all, for 50 years worked on development programs for every single part of the world:

- He worked on an Africa development program, which we published in 1976 the first time.
- He worked on an “Oasis Plan,” for the development of the Middle East.
- He worked on a 50-year development program for the Pacific Basin.
- We worked with Indira Gandhi on a 40-year development program for India.
- We worked with José López Portillo on a Latin America-wide plan for economic and infrastructure development and integration.
- A reindustrialization of the United States.
- And the Eurasian Land-Bridge, in response to the collapse of the Soviet Union.

So for the last 50 years, LaRouche, my late husband, and the LaRouche movement, have worked on concrete development programs. We published that in 2014, as an *EIR Special Report*, *The New Silk Road Becomes the World Land-Bridge*, with an [update](#) in 2018 by the Schiller Institute. Now is the time, under conditions of this crisis, to upgrade this program and create 1.5 bil-



Lyndon LaRouche's plans for industrializing Africa (1980), India (1979), and the Indian-Pacific Ocean Basin (1983).

lion new productive jobs, and *really* start a new chapter in the history of humanity. And that is what I'm calling on you to support and help us to put on the agenda instead of geopoliti-

cal confrontation.

Schlanger: And you can find the key to that on our website: Lyndon LaRouche's [four economic laws](#). Helga, I don't have anything else to ask. Is there anything else you want to add?

Zepp-LaRouche: We will put under this program a [petition](#) for a world health system, a link to the video about this world health system. I would really ask every one of you to help us to distribute this petition as widely as you can—to all your social media, your email lists, your colleagues, your friends. Make it a snowballing demand, because we need a chorus of forces in the world to demand such a change in the strategic policies.

Schlanger: Helga, with that, thank you very much, and I'll see you again next week.

Zepp-LaRouche: Till next week.

A Narrow Path to the Future By a Philippine Patriot and Citizen of the World

by Antonio A.S. Valdes, Chairman
Katipunan ng Demokratikong Pilipin (Democratic Party of the Philippines)

The following statement was released by Antonio “Butch” Valdes on May 15 to the Philippine people living around the world, but it is more generally addressed to all citizens of the world, since any solution to the crisis facing one nation depends absolutely on a solution to the current existential crisis facing the world as a whole.

Butch, as he is known to all, is the former Undersecretary of Education from 1998-2000. In addition to being Chairman of the Democratic Party of the Philippines (KDP), which he founded in 2018, Butch is the founder and chairman of the Philippine LaRouche Society. Butch also founded the popular movement “Save the Nation” in 2013. He has worked with the late Lyndon LaRouche and his organization since 1987.

For the past 17 years, he has also hosted a nationwide radio program on DZXL (558 KHz) every Sunday night, along with other programs during the week, which are also followed by many of the Overseas Filipino Workers living abroad on the Katipunan Channel available on Facebook and YouTube. The first section of this statement, and the last section, are universal in their subject matter and their intent. In between, he addresses several specific problems facing the Philippines. As a friend of Butch and of the Philippines, I have added explanations where necessary for those unfamiliar with the Philippines, either in square brackets or in footnotes.

—Michael Billington



Antonio “Butch” Valdes

It’s reasonable to assume that this crisis caused by the COVID-19 will not be the last health challenge which we as mankind will have to face. The possibilities of the same coronavirus mutating to other more deadly forms are endless. Even more so, for other types of diseases which may resurface, like malaria, tuberculosis, dengue, Ebola, AIDS, and others yet unknown because of failed economies which have lost the ability to protect against these diseases through improved healthcare systems.

By now there is a general realization that what poses more as a crisis of present civilization is the economic impact on humans, threatening our ability to survive diseases compounded by a resultant increased social disorder. The world has been jolted by an event unsurpassed in history, as to magnitude and severity—jolted into a realization that life as we know it will never be the same. The



Butch Valdes visiting with Lyndon and Helga LaRouche at their home in Virginia in 1996. To Mrs. LaRouche’s right is Gail Billington.



Government of the Philippines

Health care workers in the Philippines caring for COVID-19 patients, giving the "Duterte salute."

instinct of self-preservation has led many nations to look after themselves, closing borders, inhibiting business and agriculture, forcing lockdowns, and using their financial resources to stem social unrest from a hungry population.

Furthermore, there is a tendency to try to prove to one's own people that their government is doing better than others, by publishing comparative but unverified statistics. The general feeling of anxiety, apprehension and distrust threatens to erupt into chaos and anarchy, forcing governments to use military means to maintain peace and order.

When the disease has wrought its damage on the world population, and has spent itself through "herd immunization" or by the discovery and distribution of a "cure-all vaccine," governments have to consider dramatic changes in policies.

For one, there will be a necessary effort to beef-up budgets and modernize health-care, with a focus on science, education and logistics. All countries will be making dramatic changes in economic outlook, and most will be at a loss as to how to plan an efficient recovery program.

The bankruptcy of governments, hunger, disease afflicting populations and resulting anarchy will render third-world countries ungovernable unless the necessary steps are taken to stave-off disintegration.

It is reasonable to expect that all countries affected by the pandemic will have to address joblessness of

their own nationals, and provide them with those jobs which have in the past been given to foreign workers.

The Philippine Crisis

In the Philippines, we must re-think and discontinue our policy of depending on OFWs [Overseas Filipino Workers]¹ as our principal source of revenues. The 8 to 10 million OFWs who may have to be repatriated will necessarily have to be provided with employment, which requires a complete reversal of what we have been doing these past four decades.

We were transformed by previous administrations from what would have been a producer economy to a service economy, relegated to be a source of cheap labor, and

a net importer of agricultural and manufactured goods, as our governments embraced the flawed concept of globalization.

This imposition on our country by the world's financial oligarchy, together with the manipulated floating



RESIDENTIAL PHOTOS
Presidential Photo/Karl Norman

Philippines President Rodrigo Duterte, in conversation with U.S. President Donald Trump, in Pasay City, Philippines, November 12, 2017.

1. Over 2.3 million Filipinos are on official government contract to work overseas in countries all over the world as nurses, caregivers, doctors, engineers, or other forms of corporate employment. About 11% of the GDP of the nation depends on the \$33 billion in remittances sent home by these OFWs and from some of the over 10 million other Filipinos who have emigrated permanently. Although the Philippine governments have promoted OFWs as heroes, in order to keep this flow of money coming in, it has created many broken families from the desperately poor people unable to sustain their families at home. Children are raised by single parents or by grandparents while their parents have to work abroad to sustain them, resulting in a myriad of social problems.



U.S. Army/Dino Bartomucci

President Ferdinand Marcos with U.S. Secretary of State George Shultz, 1982. It was Shultz who orchestrated the coup against Marcos in 1986.



DoD/Helene C. Stikkel

President Joseph "Erap" Estrada at the Pentagon in 2000. Estrada was illegally forced from office in 2011.

exchange-rates, assured them of our permanent status as a debtor-nation—with no capability to invest in basic infrastructure such as power, water, mass-transport systems, telecommunication, and healthcare.

Our economists acceded to these onerous conditions and subordinated themselves to the IMF, subjecting the Filipino people to shoulder the debt service burden, asphyxiating them to a level of physical intolerance and hopelessness.

It is ironic that it had to take a pandemic of such magnitude for governments to consider a paradigm shift from the failed policies based on faulty axioms and postulates. Yet it's the threat of succeeding pandemics which may precipitate not only the enhancement of healthcare infrastructure but a fundamental change in financial and economic policies. A redirection of private sector and entrepreneurial energies into strategic agro-industrial activities is required immediately, away from the privatization of public utilities,² which has only worsened the living conditions of our people.

2. Following the 1986 coup against President Ferdinand Marcos, orchestrated by George Shultz and Paul Wolfowitz of the U.S. State Department, the eleven industrial development projects initiated by Marcos were scrapped, along with the only nuclear power plant in Southeast Asia, which had been completed but never turned on. The Philippines rapidly collapsed from being the most advanced nation in Southeast Asia to one of its most impoverished, while the oligarchical families, working with the IMF and corrupt political leadership, privatized the energy, water, and other public utilities. The result is recurring blackouts and even lack of water in Manila and other major cities, among the highest electricity and water rates in the world—even double that of the United States—and virtually no industrial investment, foreign or domestic, because of it.

It is lamentable that the current leadership, despite full justification and the uninterrupted public call for a suspension of collection of electricity and water bills paid to favored concessioners during this crisis, has chosen to ignore what is obviously the biggest burden to our people. To this late date, May 2020, we have yet to hear from the populist president reasons why he has played deaf to the clamor of his constituents.³

It is also regrettable that of all the \$8 billion infrastructure projects which the government has embarked on, none include base-load power generating projects, including the rehabilitation of the Bataan Nuclear Power Plant, which would incur a very affordable maximum cost of \$1 billion, and only 12 to 18 months to begin operating.⁴ This is very disturbing, and is indicative of the President being ill-advised, or being played with dila-

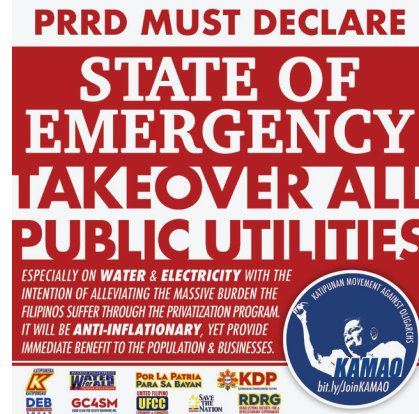
3. President Rodrigo Duterte, the first president since Marcos to resist imperial demands from abroad, has publicly threatened to re-nationalize the utilities if the oligarchical families who run them do not implement reforms to lower their exploitative rates. But, despite overwhelming support from the population, with an "excellent" support rating from 75% of the people in the polls, Duterte has been unable or unwilling to take the emergency measures proposed by Butch Valdes and others, to allow non-payment of energy and water bills during the COVID-19 crisis, and take measures to nationalize the utilities.

4. The Bataan nuclear plant, built by Westinghouse as the first nuclear power plant in Southeast Asia, was completed in 1985, but operations were stalled by fake environmental issues, and then mothballed entirely when Marcos was removed in the 1986 coup. The following puppet government of Corazon Aquino, paid every penny of the cost, plus penalties and interest payments for the plant, doubling the total cost to \$4.5 billion, yet it never produced a single watt of energy. Russian nuclear specialists have confirmed Butch Valdes's estimate of the costs for restoring the plant today at \$1 billion.



EIRNS

The Bataan Nuclear Power Plant, completed 1985, but never turned on. Butch Valdes has led a national campaign to restore the facility and expand nuclear power development in the Philippines.



A poster demanding re-nationalization of the power and water utilities, sponsored by the KDP and other social organizations.

To many learned lawyers and constitutionalists, the subsequent governments after Estrada to this date, have and are still functioning without a properly promulgated Constitution. This is a very serious matter which the present and subsequent governments have to consider. Not even the present Supreme Court should be given the task to decide on this anomaly, because the Court itself is functioning without a valid mandate of a Constitution. But I shall not endeavor to pro-

tory tactics by his own economic team of advisors.

However, this does not detract from the necessity of planning for the future, changing policies, and determining the structure of government which would best implement the necessary subsequent programs. There need to be strategic changes in practically all aspects of governance. The assumption is, the political leadership must declare its vision and national objective for all departments to adjust their own programs in accordance with these.

Local government units will likewise be directed to implement the policy directions in all areas of concern: Healthcare, Economics, Agriculture, Education, Energy, and Water. It should be noted that measures of success must almost always be couched in per capita or per square-kilometer basis in addition to present GDP/GNP statistics, which have generally been considered irrelevant to the population, but supposedly “useful” to foreign creditors and portfolio investors.

Needless to say, the extent of changes vital to preparing our nation to meet future challenges will require a serious consideration on the structure of government.

What is now obvious to many, even of minimum intellect, is that the Corazon Aquino-led 1987 Constitution is ineffective, and in any case was effectively abrogated when President Estrada was declared to have been “constructively resigned” in the 2001 coup, by an unabashedly political Chief Justice, Hilarion Davide.⁵

5. A second “color revolution” was orchestrated in 2001 to bring down President Joseph Estrada, under whom Butch Valdes served as Undersecretary of Education. When Estrada refused to resign, a corrupt Supreme Court Chief Justice connived with then Vice President Gloria Macapagal Arroyo, with a mob on the street, to go outside the Constitution, to simply declare Estrada to have “constructively resigned.”

pose a solution to this problem because it is rightfully reserved for advocates and patriots to make a collective decision on the matter.

Let us consider that if the 1987 Constitution is also abrogated [the Constitution imposed after the coup against President Ferdinand Marcos], and it was that 1987 constitution which had effectively repealed the 1973 Constitution implemented under Marcos, which had annulled the war-time constitution under the Japanese occupation and effectively abolishes the 1935 Constitution. Then, what is left is the 1899 Constitution promulgated by our forefathers, which was never officially abrogated by any subsequent foreign-assisted puppet government.

The other option for our people is to wait for a declaration of a revolutionary government by either President Duterte or the Military brass, in whatever form they may find expedient.

Subsequently, we could promulgate a new Constitution or declare the adoption of the 1899 Constitution with the necessary amendments to conform to current political conditions. Indeed, the immediate future promises to be exciting, difficult, but doable to inspired revolutionaries.

The Future Is Ours to Create

If we can continue and boldly assert our sovereignty as a nation, not beholden or dependent on any one country, nor any group which employs economic and financial means to control and determine our destiny, I am certain that a highly intelligent, and patriotic Filipino people can collectively muster the capacity and moral courage for self-determination.

This crisis which we now face provides us with a great opportunity to change the architecture of our country. It has shown us that our neglect of the means to improve our quality of life as a people and our posterity leaves us devastated, such that we long for the crisis to disappear so we can go back to “normalcy.”

Our economic advisers are trying to save our credit ratings at the expense of our people’s suffering from loss of income and jobs. Their concern is to keep our GDP within the levels which would make our foreign creditors impressed by their willingness to sacrifice human lives over credit-worthiness. To achieve this, these economists surrounding our president advise him that the immediate task at hand is “getting back to normalcy.” There can be no faster way to self-destruction of our nation than to “get back to normalcy.” This attitude is to be stagnant and makes us vulnerable to health, economic, political and social challenges the whole world is now facing.

The present policies which subjected our people to continuous deterioration of quality of life should be reversed. The ever-tightening grip of the oligarchs who have surreptitiously taken over the management and operations through privatization of all our public utilities, virtually given a free hand in raising prices of electricity and water, choking the life out of many Filipinos, is the condition which these economic advisers consider as normal.

U.S. President Franklin D. Roosevelt took the helm of his nation and proceeded to rebuild his country from the horrors of the great depression to become the savior-nation against the threat of global fascism. His election was as phenomenal as his inspiring leadership. He took on the oligarchs of his time, and subdued them, and built the most powerful nation on Earth, which stopped Hitler’s Germany and its allies from expanding their fascist economics throughout the world.

Let us pray that these unprecedented global crises shall not diminish our own phenomenally elected presi-

dent’s resolve and moral courage to stand up to those who mislead him for their own selfish interests. We expect him to continue to inspire the Filipino people despite the gravity of the challenges confronting his leadership.

Just as Roosevelt did battle with the oligarchs of Wall Street, and just as our national heroes fought oppression even at the expense of their own lives, Duterte must address the murderous ills of privatization of public utilities, and confront the oligarchs who have massively profited for the last three and a half decades at the expense of impoverished Filipinos.⁶



Government of the Philippines

Philippine President Rodrigo Duterte.

We remind ourselves however, that the role of saving the nation will redound primarily on us its people, who willfully demand necessary changes in the promotion of the general welfare. It is up to the Filipino soldier, professional, farmer, teacher, laborer, senior citizens, factory workers, men and women and especially the young patriots, to reject the notion of condemning us to even greater suffering and hopelessness.

Furthermore, it should be noted that we do not rise against our own government, but against those oligarchs and their surrogate politicians

who aim to control it.

The narrow path towards a chance for a better future has been shown to us through this present crisis. It will be such a waste, and a renunciation of our obligation to coming generations if our own generation submits itself back to economic colonialism and oligarchic control.

I for one, despite all these impediments, local and international, amidst the threat of a collapse of the world economy and a possible World War III, have my sights on a new, genuine, Renaissance—not only for our people but for peoples of all nations. So help us God.

6. “Three and a half decades” refers to the period since the loss of sovereignty with the “color revolution” coup—yellow, in this case—against President Marcos in 1986.

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