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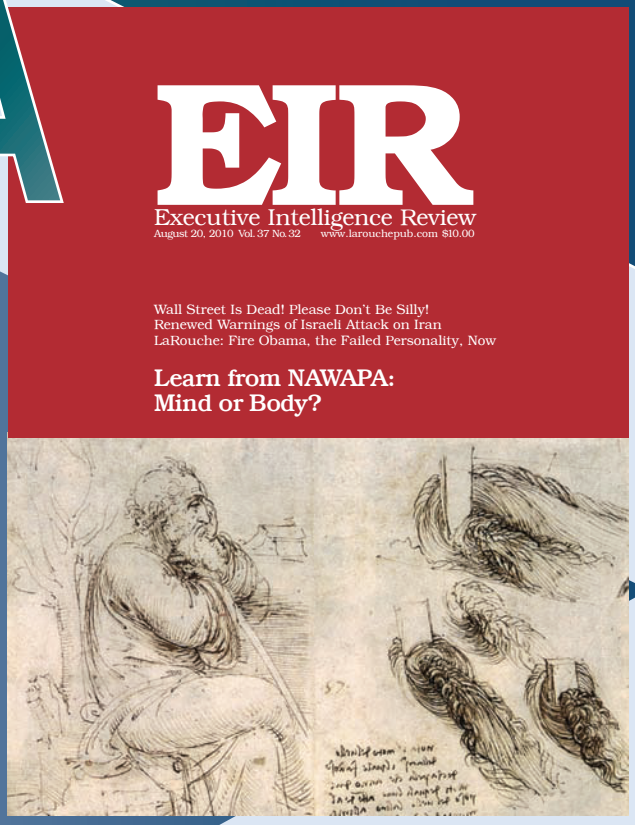
Aug. 5: Extraordinary Dialogue with Lyndon LaRouche
A Leaf from FDR's Book: And It Will Be Good
President Franklin Roosevelt's First Hundred Days

# The Economic Past Is Behind Us! Money or Credit?

# LaRouche's Plan To End the Depression And Create 3-4 Million New Jobs

# NAWAPA

We are now on the edge of the post-Obama era, in which it becomes possible for mankind to orchestrate an upshift in Biospheric development, starting with the NAWAPA program to re-engineer the entire Northwest water system, from Alaska down to Mexico.




## LYNDON LAROUCHE— LEARN FROM NAWAPA: MIND OR BODY?

Man's power to exist lies not in the things which exist, but in the process through which things, and mortal human lives, come and go, in the domain of the immortality of each soul of a very special species, mankind. . . .

NAWAPA could not be killed, because it was the immortal feat on which man's future presently depends.

- **NAWAPA: "The Next Evolutionary Step for the Human Species,"** a Basement Team Roundtable, EIR, Aug. 27, 2010
- **"Learn from NAWAPA: Mind or Body?"** by Lyndon H. LaRouche, Jr., EIR, Aug. 20, 2010
- **"NAWAPA, from the Standpoint of Biospheric Development,"** by Sky Shields et al., EIR, Aug. 13, 2010

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EIR

# From the Managing Editor

There are some cultures on our wonderfully diverse planet, in which the individual who is celebrating a birthday, presents gifts to others, instead of receiving them. In India, for example, on the day of his or her birthday, the child will wear colorful clothing to school, and pass out chocolates to the entire class.

Lyndon LaRouche celebrates his 88th birthday this week, on Sept. 8—an auspicious occasion indeed. And, in keeping with the principle expressed above, he has given to us a cornucopia of gifts, in the form of the contents of this issue of *EIR*. It should be noted however, that LaRouche did ask for one special birthday gift this year, which would also be a gift to America and the world: the ouster from the Presidency of that utterly failed personality, Barack Obama.

In this week's *Feature*, "The Economic Past Is Now Behind Us! Money or Credit?" LaRouche writes that we have arrived at the endpoint of the process that began four decades ago, in August 1971, with the dismantling of FDR's Bretton Woods System, which was then finished off in 1984, by J.P. Morgan hit man Alan Greenspan. LaRouche's stunning forecast of that event which, ever since, has made him Public Enemy Number One for the British imperial financial oligarchy. Now, in this August-September period, the crisis, which had also been forecast by LaRouche to be the last gasp of that process, has come to pass.

What opens up before us now, is the prospect and the hope of realizing the kind of opportunities that were crushed, first with the death of Franklin Roosevelt, and then, again, with the murder of President Kennedy. With LaRouche's conception of NAWAPA—the greatest economic and infrastructural transformation of the planet ever conceived—and the parallel challenge of moving mankind into and beyond the Solar System, we have every reason for optimism. This view was elaborated by LaRouche and his interlocutors of Aug. 5, in his second "Extraordinary Dialogue" with a group of policymakers, academics, economists, and diplomats (*Strategic Studies*).

And, to whet your appetite, leading off this issue is LaRouche's short piece, optimistically titled, "A Leaf from FDR's Book! And It Will Be Good."

And so, we thank Lyndon for all his gifts to us, and join him in hoping that his birthday wish comes true.

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## Cover This Week

DEA

*Cash seized from Mexican drug runners (background); construction of New York's Verrazano Bridge.*



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## Editorial

# A Leaf from FDR's Book: And It Will Be Good

by Lyndon H. LaRouche Jr.

September 1, 2010

Since our launching of the working conception of the present form of the NAWAPA project and the principal supporting features required for the implementation of that as an international project of economic recovery launched by our U.S. republic, we have made good progress in designing the leading "works" of the economic recovery to be now set into motion before October. That much set into place thus far, we must now add the action of setting actually breathing life into the design for that economic recovery.

We must therefore take a leaf out of President Franklin Roosevelt's 1933 book. To revive an economy whose living heart would soon cease breathing, even in as little as weeks, were President Barack Obama to remain in office, we must commit ourselves, not merely to act in President Franklin Roosevelt's sense of urgency in Spring-Summer 1933; we must take certain sweeping actions, as he did then, to actually set the general economic recovery into motion.

I have a special, probably indispensable role of national leadership to play in setting this action of recovery into actual motion. The situation that implies is essentially the following:

I am presently at the brink of 88 years of age. Speaking in relative terms, my role is indispensable in certain crucial respects, but remarkably good health at 88 is, despite all else, 88. Not only must you take that fact into consideration; I must take that fact into account in my way, as you must, for your own part in actually effecting this recovery in yours.

The general outline of the measures to be taken by the NAWAPA project and the essential associated actions, is coming ever more clearly into view, as we shift the emphasis from the broadly clear essential elements of NAWAPA itself to the mobilizations of the national economy in the broader terms that the sustaining of the NAWAPA project itself already implies. To come directly to the point I am stating here, we must quickly, as if almost instantly, launch almost exactly the type of broadly defined measures of action which President Roosevelt set into motion as an essential emergency recovery operation during his first year in office, even during his first weeks in office. Exactly that must be done very, very soon.

The nut to be cracked, is, essentially this. We must virtually shut down Wall Street and what its associated financial-monetary system implies, both in this nation, and globally. That means that we must immediately restore the full impact of the original 1933 Glass-Steagall measure, cancel the obligation to sustain a flow of "monopoly game money" into the Inter-Alpha apparatus which subsumes our own "Wall Street" and its arrant swindlers, and divert the flow of credit presently being fed to a "bail-out" effort, into the guts of a physical recovery of our nation and its component states and municipalities.

This measure requires, and is fully consistent with the form of restoration of a commercial banking system

National Archives

*With Obama out of the White House, LaRouche writes, "We must commit ourselves, not merely to act in President Franklin Roosevelt's sense of urgency in Spring-Summer 1933; we must take certain sweeping actions, as he did then, to actually set the general economic recovery into motion." Here, FDR enjoys a visit to the CCC camp in the Shenandoah Valley (Virginia), Aug. 12, 1933.*

under the terms and conditions implicit in Glass-Steagall. However, this also means, that we can not wait for the flow of capital into NAWAPA and corollary reforms to lift the economy out of the disaster which the combination of the George W. Bush, Jr. and Barack Obama administrations had done to destroy this nation's economy since July 2007. We must use much of the flow of funds taken, summarily away from what we know as London and Wall Street interests, to "kick start" the basic structures of national, state, and local government, in an expression of the same spirit of a sense of urgency which President Franklin Roosevelt's administration understood, and did in 1933-1934.

This clearly means a shift in the direction of flows comparable to, but on a vastly larger scale than under President Roosevelt during 1933-1934. I am fully aware of the crucial implications of the notion of "in the longer term"; but, it is what happens now, in the very short term, which will settle the issue of the rebirth, or death, of not only our own republic, but all of the nations of the world, at large, in the time-frame of the coming twenty-four months.

The prospects for the immediate weeks ahead, under a post-Obama Presidency, can be excellent, even despite the agony of the urgent actions to be taken to save this nation during the first weeks beyond. Taking away the most expendable elements of the Obama Presidency's system, will leave us with a remaining executive branch which has the potential to deliver the quality of leadership this situation requires at this time. As for the U.S. Congress, the expulsion of the Obama elements of the Administration within the framework of the several coming few weeks, will do wonders for the mental health of the legislative branch. It is getting through the measures which must be taken during the remaining three months of this calendar year which will be the proverbial "make or break" interval for not only our republic, but the nations of the world as a whole.

The key to understanding the greatest source of danger to the planet during the months immediately ahead, is the crucially needed understanding of the implications of what has happened, since 1971, with the British empire's launching of what became the British empire's Inter-Alpha Group, which now controls an estimated 70% of the entirety of the world's present banking system. The British launching of the sterling devaluation of Autumn 1967, the February-March 1968 revisions of the dollar, and the wrecking of the U.S. economy, under President Richard Nixon in Summer 1971, had combined effects which have been the chief, ever-worsening curse of this planet considered as a whole since those times to the present date.

In the kind of global crisis which the actions of the George W. Bush and Barack Obama administrations have brought down upon us since the close of July 2007, the great danger is the threat that the world as a whole, not only the United Kingdom and our United States, will be plunged into a kind of dictatorship worse than Adolf Hitler's. Such a danger of fascism, as that which threatens under Obama now, was already the potential growing out of the economic and other effects of the prolonged Indo-China War of approximately 1964-1975. The Nixon Administration could have become a dictatorship, already had that President not been ousted when he was.

The only safeguard for our system of government under such conditions as the present world crisis of 2007-2010, is to ensure that the passions of the great majority among our citizens are confidently in charge of the realization of the aims of our constitutional system of government. The watch-word is, therefore, what we must do for our citizens, must be for the realization of the intentions of our Constitutional system of government, rather than what the tyrannical character of the present Obama administration demands the privilege of doing to impose its whims at the expense of the rights and of the justice for the people: that the system of our Constitutional system of self-government, of the people, by the people, and for the people, not vanish from this Earth.

To this end, we require much more than care for the needs of the people. We must care, above all else, for meeting the urgent needs of the people, that according to the principles of our Federal Constitution, as the crisis faced by President Franklin Roosevelt shows us the true meaning of our constitutional system under terms of grave crisis like those we suffer today

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## FDR's Emergency Measures

# The First Hundred Days

*In his first Inaugural address on March 4, 1933, President Franklin D. Roosevelt identified the horror which the U.S. population faced, and pledged himself to "action, and action now." This he delivered, with an immediate, and unprecedented, array of actions—not through dictatorship, but through the Constitutional legislative process, amplified by his direct leadership role with the population through his Fireside Chats.*

*Here is an overview, as an illustration of what Lyndon LaRouche referred to, when he wrote on Sept. 1, of FDR's "sense of urgency in Spring-Summer 1933" in taking "certain sweeping actions . . . to actually set the general economic recovery into motion."*

**March 5:** The day after the Inauguration, FDR takes two Executive actions: the Proclamation of a Bank Holiday from March 6-9, under the provisions of the Trading with the Enemy Act, freezing all banking activity, including the transfer of gold and silver out of the country, and calls for a Special Session of Congress for March 9.

**March 9:** The Emergency Banking Act is presented and passed by the Congress. The Act functions as the first step of what the Glass-Steagall reenactment would do today, by opening all banks to Federal audit, prior to reopening of those who met the appropriate qualifications on March 13.

**March 12:** FDR gives his first Fireside Chat over the radio, in which he explains to the American people just what he has done, and what the process of repair of the banking system will look like.

**March 20:** Congress passes the Economy Act, which gives FDR the power to carry out certain budget cuts in order to, as he puts it, "maintain the credit of the U.S. government."

**March 21:** FDR issues a message to Congress on how to deal with the jobs crisis (excerpted here):

**"To the Congress:**

"It is essential to our recovery program that measures immediately be enacted aimed at unemployment relief. A direct attack on this problem suggests three types of legislation.

"The first is the enrollment of workers now by the Federal Govenrment for such public employment as can be quickly started and will not interfere with the demand for or the proper standards of normal employment.

"The second is grants to States for relief work.

"The third extends to a broad public works labor-creating program. . . .

"I find a clear need for some simple Federal machinery to coordinate and check these grants of aid. I am, therefore, asking that you establish the office of Federal Relief Administrator, whose duty it will be to scan requests for grants and to check the efficiency and wisdom of their use.

"The first of these measures which I have enumerated, however, can and should be immediately enacted. I propose to create a civilian conservation corps to be used in simple work, not interfering with normal employment and confining itself to forestry, the prevention of soil erosion, flood control and similar projects. I call your attention to the fact that this type of work is of definite practical value, not only through the prevention of great present financial loss, but also as a means of creating future national wealth. . . .

"I estimate that 250,000 can be given temporary employment by early summer if you give me authority to proceed within the next two weeks. . . .

"More important, however, than the material gains will be the moral and spiritual value of such work. The overwhelming majority of unemployed Americans, who are now walking the streets and receiving private or public relief, would infinitely prefer to work. We can take a vast army of these unemployed out into healthful surroundings. We can eliminate to some extent at least the threat that enforced idleness brings to spiritual and moral stability. It is not a panacea for all the unemployment but it is an essential step in this emergency. I ask its adoption."

**March 31:** Congress passes FDR's legislation to establish the Civilian Conservation Corps, which put approximately 300,000 young men to work within two months, and ultimately more than 2.5 million.

**April 19:** FDR pushes through legislation taking the United States off the (British) gold standard, which he explains, later, to be a means of preventing speculative looting of the country.

**May 7:** FDR gives his second Fireside Chat where he explains at some length the measures which had been taken over the previous two months, in line with their intent to restore agriculture, industry, and transportation, and measures which he intended to take in public works, in particular.

**May 12:** Congress passes three more emergency measures presented by the President:

- The Federal Emergency Relief Act, to address the fact that local governments had run out of money to aid the unemployed and the destitute. It was intended to provide $500 million that could be disbursed in relief grants to states. In addition, it gave the Federal Relief Administrator broad supervisory power over the states' use of the grants. Its first administrator, Harry Hopkins, spent $5 million in the first two hours to deal with emergencies.
- The Emergency Farm Mortgage Act, which provided for the refinancing of farm mortgages at 4.5% interest, in order to keep farmers, then a large portion of the population, on their farms, and able to produce.
- The Agricultural Adjustment Act, with an amendment permitting monetary expansion.

**May 18:** Congress passes the Tennessee Valley Authority Act, which FDR proposed in April, as follows:

"I, therefore, suggest to the Congress legislation to create a Tennessee Valley Authority, a corporation clothed with the power of government but possessed of the flexibility and initiative of a private enterprise. It should be charged with the broadest duty of planning for the proper use, conservation, and development of the natural resources of the Tennessee River drainage basin and its adjoining territory for the general social and economic welfare of the nation. This authority should also be clothed with the necessary power to carry these plans into effect. . . .

"This in a true sense is a return to the spirit and vision of the pioneer. If we are successful here we can march on, step by step, in a like development of other great natural territorial units within our borders."

**May 27:** The Truth-in-Securities Act is passed, mandating transparency in the issuance of securities.

**June 13:** The Home Owners' Loan Act is passed, providing for the refinancing of home mortgages.

**June 16:** On this last day of the extraordinary 100 Day session, FDR signed into law the following measures:

- The National Industrial Recovery Act. This was comprised of two major sections, pursuant to a declaration of nationl emergency. The first modified the Anti-Trust Act, in order to permit establishment of wage, price, and working conditions standards, including abolishment of child labor, through various industries. A subsidiary feature was the famous clause 7a, which gave unions the right to organize. The second section established the Public Works Administration (PWA), with $3.3 billion in funds.
- The Glass-Steagall Banking Act.
- The Farm Credit Act, which expanded the financing of farm mortgages, and eventually set up a system of regional banks to make mortgage, production and marketing loans and to provide credits to cooperatives. It loaned more than $100 million in its first seven months, including driving down interest rates.
- The Railroad Coordination Act.

**July 24:** FDR gives his third Fireside Chat, elaborating what had been accomplished in the First 100 Days, which he described as "the orderly component parts of a connected and logical whole." His major stress was the progress which had been made against unemployment and the destruction of the purchasing power of the population—through the CCC, the PWA, the Farm Act, and the Industrial Recovery Act.

THE ECONOMIC PAST IS NOW BEHIND US!

# Money or Credit?

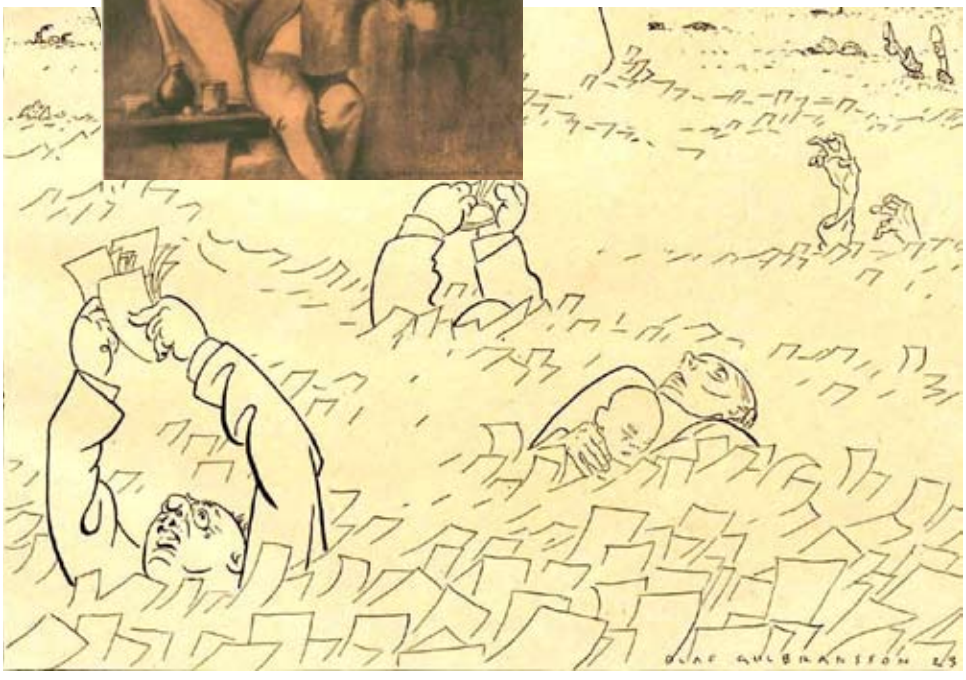
by Lyndon H. LaRouche, Jr.

August 26, 2010

*It has happened as I had forecast it would occur within this relatively narrow interval of time. It occurred during the closing business days of that past week, in a time short of four decades, that since August 1971, when matters have now come to today's narrow, panic-stricken close. The effect has been, essentially, world-wide.*

*This happened inside the U.S.A., because nothing which I had prescribed, as in 2007, since a time when nothing that should have been done by the U.S. government, had been done to prevent this terrible present crisis from happening. The present world monetary system had been poised, until now, to enter a certain kind of hyper-inflationary collapse—unless we acted now to prevent it, a collapse which would amount to an approximation of what had happened to Germany, by itself, back in 1923. At this present time, the threatened effect is not to one nation by itself, as in 1923 Germany; it is world-wide. It is, in fact, a threat which, if now permitted to continue much longer, would mean an accelerating rate of plunge into an early, world-wide collapse, a collapse comparable to, but worse than, the "New Dark Age" of Europe's Fourteenth Century.*[1]

1. As I shall emphasize this fact at an appropriately later point within the body of this report, most people are still unable to recognize the distinction between the practices of merely "predicting," and competent "forecasting." In brief, the fact of the matter is, that it is, usually only the superstitious people who "predict" a statistical date-certain for a crucial turn in events. Admittedly, in my first publicized forecast, a short-term forecast of a major recession to strike about February-March 1957, which I made in July 1956, special factors centered in the automobile industry at that time, allowed for such a precise dating. Otherwise, barring such extraordinary circumstances as that, competent economists, who are, admittedly, rare these days, rely on forecasting what were the consequences of not only failing to foresee, but, failing to correct for the consequences embedded in choosing, or simply defining a specific area of physical-economic

*From the early-20th-century German magazine* Simplissimus*: "The English dentist deals with the Dutch: 'I need your teeth to make myself a nice new set'" (left, 1918); drowning in a sea of cash (below, 1923, during the Weimar Republic's hyperinflation).*

*As I had warned in July 2007, that collapse had to be prevented beforehand; whatever the form of prevention which we must take now; no delay is excusable. No escape can occur until President Barack Obama had been safely, peacefully, and suddenly removed from office. Otherwise, if he remains in office much longer, the U.S.A. and much more will soon be doomed. Already, a week or so ago, the cabal around this President had already unleashed the surge into what is presently a hellish, global, hyperinflation, unless we introduce the radical change in policies needed to stop it. We must quench those fires of potential hyperinflation now, or it will soon be too late to prevent the new holocaust now descending upon our planet.*

*Therefore, for reasons such as those, not only in our United States, but throughout the world as a whole, the Anglo-American trans-Atlantic sector is now poised at the brink of the greatest magnitude of combined monetary and physical collapse in all modern history to present date.*

*Thus, at the beginning of the presently new week, a certain failed personality, U.S. President Barack Obama, was being relegated by the wise to his presently impending, early departure from the U.S. Presidency. The only sane option for a continuation of civilization on our planet, now, would be to abandon a presently, utterly failed, global, monetarist system, and to replace it by a credit system of the form which had been intended by the U.S. Presidency of Franklin Delano Roosevelt. This change, from that monetary system which is now destroying our nation, to enter a physical-economic recovery under a credit-system, demands some crucially significant kinds of urgently needed changes in the economic organization of not only the U.S. economy itself, but the planet considered in the large.*

*The prospect of the actual launching of what had been the 1964 NAWAPA project now sets the pace, with its included advances in certain technologies, for a sudden, mass, high-technology employment used as a means for rescuing the United States, among others, from the global catastrophe which a continuation of the mass-murderous, puppet-government of British imperial puppet and U.S. President Barack Obama would mean.*

space-time within which a change of state of a social process, for either the better, or the worse, must be foreseen. For reasons which I have already presented, repeatedly, the personal, pathological traits of President Barack Obama would prevent him from abandoning those stubborn choices which would, themselves, ensure an early, chain-reaction collapse of the present world monetary-financial system. Notably, the presently "popular," but incompetent, customary methods of statistical forecasting, are predicated upon the presumptions of a Paolo Sarpian form of indifferentism, such as those of his follower Adam Smith, that in opposition to the existence of any actually efficient and knowable expressions of universal physical principles.

***The Task Now Before Us:***

The crucial proposition is this:

Could our United States of America survive the successive efforts to destroy this republic, which Presidents George W. Bush, Jr. and Barack Obama have combined to do, thus far? The answer is: "Not if Barack Obama is still serving as President during a mere few months, or even some weeks just ahead."

Therefore, the fact is, that unless Obama is soon removed from the Presidency, it were likely, that not only were the U.S.A. soon finished as a nation; the economy of the entire trans-Atlantic region would also go down, quickly, and the doom of Asian nations were then virtually an ensuing certainty, as well.

If my proposed, relatively immediate ouster of President Barack Obama were to be carried out as I have specified, the remaining question would then be: "How will the required recovery work?" In that case, the proper choice of leading subject for debate among the minds of the world's leading governments would be: "What is the essential, systemic difference, if any, between a 'money system' and a 'credit system'?"

If those conditions are met, the conclusion which should have been reached, very soon, among even the few of those governments which will have succeeded in selecting the proper answer, will be expressed as a choice in favor of a "credit system." This crucial decision will be of the form: "We must concede, that the choice must be the immediate replacement of a monetary system by a virtually global credit system."

That decision would be successful. No other would.

The adoption of such a reform in systems of, and among respectively sovereign nations, would depend, strictly, upon four measures taken in rapid succession:

1. President Obama must be "resigned." He had been a failed personality, in the sense that his quality of personal fault is essentially the same mental illness as that of the Emperor Nero and Adolf Hitler, a fault which led their respective nations to comparable disasters, and even much of the world. We must not delay, by waiting, like silly sidewalk spectators, for that inevitable end to be delivered.
2. The next step, as soon as President Obama is being retired from office, will be a summary installation of an exact copy of the 1933 U.S. Glass-Steagall Act as being an immediate and permanent measure of global reform.
3. An alliance of certain major and other sovereign, concurring nation-states, will be launched in the form of a global, fixed-exchange-rate credit system, copying, thus, what had been President Franklin Roosevelt's 1944 Bretton Woods intention for the post-war world.
4. A series of major programs of long-ranging, and far-reaching investments in infrastructure-building, representing, thus, a program typified by the immediate launching of a full NAWAPA development, both on Earth and as its reflection in the nearer regions of our Solar System. This will be a program conducted through cooperation among willing sovereign nations. This program will serve as the driver of an accelerating rate of increase of the productive powers of labor throughout the remaining decades of this presently still-young century.

As a study of the implications of an immediate initiation of a NAWAPA program now, shows, the actual launching of the NAWAPA mission, under those conditions, now, could stop, and even reverse the presently oncoming dive into what, unless stopped would be the deepest and longest of depressions in modern world history. In fact, such reforms as these would rescue the planet from that deep dive into a breakdown-crisis which was already set into motion a few weeks past, by the Obama Administration and its accomplices within the U.S. Federal Reserve System.

In that case, in respect to principles of law, the governing policy of urgently needed reform shall be, that "mere money has no intrinsic value anywhere on this planet! None!"

Strictly speaking, the kind of "value" which might be attributed to the "money" of leading nations, then, would be premised on the reality, that money carries nothing as much as a "political value" assigned by a society, rather than a physical-economic one. Thus, the uttering of credit by and among sovereign national partners, is to be done, politically, for their individual and mutual, immediate and long-term benefits.

For this arrangement to succeed, that arrangement must be made under a fixed-exchange-rate credit-system; which will then serve as the principal, physical-economic driver of an accelerating rate of increase of the physically productive powers of labor, not only within sovereign nations, but among a community of sovereigns.

U.S. Army Corps of Engineers/Bob Heims

*The North American Water and Power Alliance (NAWAPA) is the foremost plan for global infrastructure development, now on the table for immediate adoption. The project would divert water that currently flows north into the Arctic, to the south, where it would make the biosphere bloom throughout western Canada and the United States, and northern Mexico. Shown is the Dalles Dam in Oregon.*

### *The NAWAPA Example*

This change must be effected in accord with the notion of "infrastructure" which is typified by my initiative for the immediate launching of the realization of a "full-throated" and up-to-date installation of the NAWAPA program.

We must come to think in terms of qualitative leaps in the productive organization of cultures and their societies. We must come to think in terms of the Promethean terms of qualitative advances identified with leaps in orders of "energy-flux density."

For example, the presently preliminary stages of man's progress toward man's prospective "colonization" of Mars, compel us to rise to the platform of thermonuclear fusion. That, in turn, requires a shift of thinking from a science of particle physics, from a science of particles, to a science of singularities in an interplanetary space which is never empty space, but always richly dense with cosmic radiation, including that by, and among living persons.

That is to emphasize, that the properly corrected use of the term "infrastructure," is in agreement with the notion of "infrastructure" which I have supplied in earlier publications on this subject. In these publications, I have emphasized that the corrected use of that term be applied to the range of successive, qualitative advances in the introduction of higher qualities of "platforms," as typified by the succession of: maritime cultures, riparian systems, national, continental, and intercontinental railway cultures, nuclear-fission culture and thermonuclear fusion cultures, and the still higher culture of the integration of nearby space of our Solar System according to the same general direction of qualitative leaps in "energy-flux density," in ordering the creation of the successively higher orders of the platforms by means of which achievement of the

higher qualities of productivity is to be accomplished.

Such are the specific conclusions which must be reached by those nations which will have come to prefer the use of "money" as limited, specifically, to the notions associated with a credit-system of the type specific to the beginning of what had been that of a type specific to the roots of the later U.S. economy in what had been, originally, associated with the use of the "Pinetree shilling" introduced under the original charter of the Massachusetts Bay settlement. That was the economy which had succeeded marvelously until those successive interventions by England's King James II and William of Orange which had crushed the settlement's rights to trappings of sovereignty in matters of economy.

Even after the U.S. had secured its independence by war, the ability of the British empire to apply crushing force to a U.S.A. left isolated by the political collapses of its former, war-time, European allies, led it to suffer repeatedly under rapacious British interventions into its internal and foreign affairs, and, often, even under Presidents who were agents of the British East India Company's footholds within the U.S. economy and political system. It was not until the U.S.A.'s victory over Lord Palmerston's British puppet known as the Confederacy, that the U.S.A. could sometimes challenge British imperial power effectively. That advantage was largely dissipated by a series of assassinations of Presidents through that killing of William McKinley which brought a series of British and Wall Street puppets, such as Theodore Roosevelt, Woodrow Wilson, Calvin Coolidge, and Herbert Hoover, until the time that the U.S. and its Constitution regained its certain degree of independence under President Franklin D. Roosevelt; but, then, lost much of it under President Harry S Truman, and under the still radiating effects of that assassination of President John F. Kennedy which cleared the decks for London's steering the U.S.A. into the prolonged, ruinous war in Indo-China from which the U.S.A.'s sovereignty has never fully recovered, to the present day.

The essential misfortune on account of U.S. Presidents and other politically influential figures who were virtually British puppets, was, in part, a reflection of the weakness of the U.S.A. relative to the power of the British empire; but, the most persistent of such outside influences, up to the present moment, has been a powerful residue of the financial power of the British East India Company's ostensibly wealthy influences such as those of the Boston Vault and New York's Wall Street, within the U.S. financial establishment itself.

Presently, the time has come, under President Barack Obama, at which there is a chance to break the British imperialist grip on the internal affairs of the U.S.A. The four crucial steps which I have indicated above, would be sufficient to put that achievement within our reach. If the U.S. succeeded in effecting that achievement, the opportunities for the improvement of the conditions in the world at large will have arrived, if we of the U.S.A. can muster the courage to bring that great benefit about.

A return, now, to the true economic principle of a credit-system presently still embodied in our Federal Constitution, that of that constitutional system of credit which had been first established in Massachusetts under its original royal charter, would be a change from the inherent, long-ranging ruin under a global, monetarist system, which is to be located, presently, in the contrast between a science of physical economy and the contrary, imperialist tradition which had reigned, and ruined, as the European maritime-imperialist tradition of imperialist regimes, that since such occasions as the death of Macedon's Alexander the Great.

So, once the 1933 Glass-Steagall law were put into force, again, the resulting cancellation of the U.S. government's obligation to "bail out" the financial waste-matter of monetarism, the cancellation of an immoral imposition of such forms of national indebtedness, would free the U.S. Government to muster trillions of fresh U.S. dollars for immediate recovery measures. This revival of our nation's economy would free us to proceed to immediate steps of employing three to four millions of our most skilled, but presently largely unemployed labor, and also stimulate a related, much-needed economic recovery of our neighbors in Canada and Mexico. That first massive step of the initial economic recovery, would become the beginning of an implicitly global economic recovery of our prospective partners throughout much of the world: Franklin Roosevelt-style.

I explain that as follows.

### *Our American System*

As I have emphasized, repeatedly, in earlier publications, that what U.S. Secretary of the Treasury Alexander Hamilton defined as "The American System of political-economy," is not only a fruit of the same con-

stitutional system of physical principle fostered by leading economists such as, most notably, Alexander Hamilton, Henry C. Carey, and Presidents George Washington, John Quincy Adams, Abraham Lincoln, and Franklin Roosevelt. The needed American policy, as distinct from a European monetarist, and essentially imperialist system, was already the policy employed with brilliant success by the Massachusetts Bay Colony for as long as Britain had not violated the given charter of that colony. What had been done in Massachusetts, under that Seventeenth-century charter, was the actual birth of an American credit system inhering in the intention of our Federal Constitution.

In contrast, with but rare and brief exceptions, European nations which accept monetarism, as distinct from a system of national credit, have only rarely accepted such an economic reform as having inherently durable types of continued authority. This problem within Europe in particular, the problem of Europe from which American settlers had fled their native countries in a mixture of pride and despair, was that which passed, in law or practice, as premised on a deeply embedded, and usually victorious and traditional opinion in a law which provided the mechanisms of usurious practice of oligarchical policies of monetarist imperialisms, policies which had emerged from, among other sources, the Peloponnesian War. These had been prevalent as an expression of a maritime form of the practice of imperialism, as distinct, on this account, from the so-called "Asian model."

For example: the presently ruinous "Euro" system, was a "natural outgrowth" of the combination of British imperialism and the European oligarchical principle of monetarist practices, which have ruled, except for exceptions during relatively brief periods. Such relatively brief European exceptions include the development, during the 1877-1890 interval under the leading influence of Chancellor Bismarck; but, all too rarely, and, speaking in relative terms, briefly.

My own view on these matters of European traditions, does not begin within the bounds of the founding of the Massachusetts Bay colony itself. Christopher Columbus' zeal for actually discovering the shore of the land-mass which he then knew as early as 1480, existed at a certain distance across the Atlantic, had been made known to him through the circles of Cardinal Nicholas of Cusa and Cusa's own writings. This knowledge had been based, in turn, on the discovery of the size of the planet Earth as early as the discoveries by the great Eratosthenes.

The great scientist Nicholas of Cusa had warned that the oncoming decadence in European culture which followed the Venice-inspired, Ottoman conquest of Constantinople required contact with continents and peoples in places across the Earth's great oceans. Only thus, Cusa proposed, could the precious content which Europe had gained from that Renaissance known as the great ecumenical Council of Florence be preserved, which required reaching across great oceans to the continents beyond.

In that sense, all truly modern European culture has been premised upon two keystone writings of Cardinal Nicholas of Cusa: his **Concordancia Catholica** (the conception of the modern sovereign form of nation-state cultures), and Cusa's setting forth the conception of the sovereign form of modern nation-state society, as based on the conceptions which he presented in such works as his founding of modern science, as in **De Docta Ignorantia**.

The same issue of the modern sovereign form of nation-state cultures, underlies both the achievements and the inherent flaws of the tradition of parliamentary governments. Take into account the signal case of the deplorable actions taken under the influence of Venetian agents, such as Francesco Zorzi and Cardinal Pole, during the reign of England's Henry VIII.

Examine the case of Henry VIII's butchering of his great Chancellor, Sir Thomas More, by order of the Venetian party's agents such as Cromwell and Cardinal Pole.

### *The Roots of the British Empire*

During the early days of Henry VIII's monarchy, a fragile religious peace reigned in an already troubled Europe, that despite what had already been the chronic Habsburg pollution of the royal marriage-beds of Spain. An already fragile peace among Spain, France, and England blocked the eruption of the general threat of an outbreak of general religious warfare which the Habsburg dynasty had set into motion with the 1492 expulsion of the Jews from Spain.[2]

The roles of the Venetian agents led by Henry VIII's devilish, Cusa-hating marriage-counsellor and Venetian intelligence operative, the cabalist Francesco Zorzi,

2. Cf. the original, French version of Giuseppe Verdi's rendering of Friedrich Schiller's account of the relevant history, as in Verdi's **Don Carlo**.

and Henry's Thomas Cromwell, and Cardinal Pole, were crucial factors in the manipulations of the already fragile sanity of a failed Henry VIII whose lapses from sanity should remind us of such comparable cases of systemically "failed personalities," such as the Emperor Nero, Adolf Hitler, and of our own, Nero-like President, Barack Obama, and his associated, increasingly fragile cabal, now.

Amid the mass of butcheries unleashed by Henry VIII, the judicial murder of Sir Thomas More was the most crucial, since it was thus sealed, in More's blood, that England was commited to a state of perpetual religious warfare which would be, in fact, continued until the great 1648 Peace of Westphalia. Nonetheless, despite the urgency for future generations, of achieving that peace, the damage done by Henry VIII's role has crippled civilization's chances from that time to the present instant this report is written.

*Henry VIII's judicial murder of Sir Thomas More (1478-1535) sealed England's commitment to perpetual warfare, which lasted until the 1648 Peace of Westphalia. Painting of More by Hans Holbein, 1527.*

Of all the consequences of that religious warfare which continued until the 1648 Westphalian peace, subsequent history shows the worst to have been the way in which the Venetian party led by Paolo Sarpi cleared the way for that "Thirty Years War" between the twin Venetian factions of Sarpi and the Habsburg imperium which had combined roles to such net effect, that all of the major wars which the planet has subsequently suffered are an outcome of depraved poor Henry VIII's turn, which made possible, then, a "Venetian monetarist party" which continues, through its present British imperial puppet, to orchestrate all kindred evils, including two "World Wars" and the Hitler regime, up through the present day.

That pattern of developments which have occurred since the beginning of modern European civilization's history, since A.D. 1401, should be considered now as compelling us to focus on what has been for so many, the mysterious origins of the role of money in the entire sweep of ancient through modern European history since earlier than the time that the great Aeschylus composed his **Prometheus** trilogy.

That same issue, as viewed from the standpoint of reference to the case of Henry VIII, underlies the entirety of the tradition of parliamentary governments in Europe, such as that of Britain under the present, Sarpian form of the Anglo-Dutch, monarchical system of monetarist form of imperialist empire which was established under William of Orange and continued as a world empire in fact, up through the present day. Such has been the model conflict within European civilization, such as it has been, since Henry VIII's Venice-directed butchery of his own great Chancellor Sir Thomas More. Even European Presidential systems have the usually implied constitutional character of a parliamentary, rather than truly republican system, or a dictatorship. The "Bonapartist model," as typified by the regime of a creature soon turned into a Habsburg asset, Napoleon, and also his caricature, the British puppet Napoleon III, and also the so-called fascist systems of Europe and in often Habsburg-polluted Central and South America, have been refractions of the lack of that kind of truly republican conception which is typified by both the original, chartered Massachusetts Bay Colony and by the Federal Constitution of the United States.

That much said thus far, we conclude this prefatory portion of the report with the following points of clarification. For purpose of comparisons made with respect to matters of principle, consider the following.

From the standpoint of the realities of physical production and consumption, there is no competent notion of economic value in a system of money as such, except for the practical role of the use of money as a politically controlled form of a system of monies of respectively sovereign nation-states. That arrangement, once it were installed by a leading group among consenting nations, would be a money-system to be used, on principle, as

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*The British launched an initiative in 1984 to destroy what remained of the FDR legacy, using J.P. Morgan bank's Alan Greenspan (shown above, with Robert Rubin on the right). The photo on the right shows the patriarch of the Morgan dynasty, J.P. Morgan, in 1914.*

an instrument for uttering public credit, in each case, by a specific, sovereign nation, as, for example, under a fixed-exchange-rate system, a system which U.S. President Franklin D. Roosevelt had written into the law of nations through the combination of the 1933 Glass-Steagall law and the 1944 Bretton Woods prescription for a fixed-exchange-rate system of international cooperation.

The international structure which FDR's law established, until the implicitly treasonous actual repeal, at that time, of the fixed-exchange-rate system during 1971-72. That fixed-exchange-rate arrangement, had been a structure also premised on the preceding, 1933, Glass-Steagall law. Once combined, as they had been under Franklin Roosevelt, the repeal of what had been a system of law which was now in the process of being destroyed, under President Nixon's administration, and would be actually destroyed for the remaining decades, by a British imperialist initiative launched in 1984 through the offices of British "Wall Street" tool J.P. Morgan's Alan Greenspan.

The repeal of those two U.S. laws, both Glass-Steagall and the fixed-exchange-rate system, on which the continued existence of an intended post-World War II monetary-economic stability had depended, cleared the way for U.S. Federal Reserve Chairman Alan Greenspan's "legalizing" of a massive corruption of the world's monetary systems, a corruption which relied on the premises of British launching of Lord Jacob Rothschild's imperialist Inter-Alpha Group (the so-called BRIC), which presently controls, directly, or indirectly, an estimated 70% of the world's imperialist international banking today.

The operation centered in what had been the awful folly of Jacob Rothschild's peculiar service to the avowedly imperial, British monarchy of Elizabeth II, has presently driven the planet as a whole to the immediate brink of a style of threatened Weimar-style hyperinflation which is presently consistent, on a global scale, with what was done to ruin the locality of Weimar Germany in 1923.

Unfortunately, in the history of a specifically European civilization in the aftermath of the fall of the rotted-out Persian empire, mere money, as distinct from the currency of a system of public credit of a nation, as under our own (often violated) Federal Constitution, has been abused, often, chiefly as an instrument of the species of inherent crimes against humanity which is otherwise known as usury. What has been imposed, thus, has been, chiefly, some form of maritime imperialism, that from about the time of the death of Alexan-

der the Great, until the presently over-reaching, imperial power of the post-1971-72 British Empire, as that is now expressed by Lord Jacob Rothschild's 1971 creation, the British Empire's Inter-Alpha System and that system's Wall Street puppets.

We shall return to a further examination of this matter, after an indispensable examination of the principled, Asian roots of today's specifically European oligarchical models.

## I. The Decline of Sumer as a Model

The best among the accessible sources for study of the origins of European monetary systems, and therefore of their "social diseases," has been the case of the decline and fall of that once-proud Sumer, which presents us with the image of a Sumerian culture of Indian-Ocean maritime characteristics in origin, which had initially prospered under what archeologists identify, descriptively, as its "bow-tenure" system. The effects of that culture's later decline and downfall, were shown, in significant degree, by the imprint left on the series of predominantly semitic cultures, such as that well-known case of Babylon, among the successors of the fallen Sumer. The same faults which sent the Sumerian culture into its ruined state, were often repeated among its successors in that Near East region.

Originally, Sumer had functioned under what is identified today as a "bow tenure" system. That is to emphasize, that the independent farmers, each family with its own management of its irrigated plot, held the plot under terms of its sharing of product with the warehousing provided under the reign of the relevant "priesthood." This social arrangement had been based on what relevant archeologists have termed a "bow tenure" system; the farmer was obliged to maintain and employ his weapons in defense of the society as a whole.

However, as happened in a rather similar fashion under the declining phase of such cases as the Baghdad Caliphate later, a muscular process of eroding the rights of the farmer, led to the inclination toward the ruinous salination of the farmers' plots, as ownership was then supplanted by share-cropping-like arrangements, which were succeeded by virtual slavery. I observed the aftermath of similar effects personally during a personal visit in Iraq during the early 1970s. The decline of what had been the great Caliphate of Charlemagne's time, was a clue to the kind of process I had examined up-river in Iraq during my visit.

That set of examples from what is now conventionally identified as once proud, "ancient Mesopotamia," which had, initially, prospered, should be employed as a bench-mark for study of the Middle East's successor, the subsequent, globally extended European history's chronic cycles of rise, decline, and fall under the monetary systems of the Mediterranean and Atlantic regions of the world, in particular. Like the present system of the essentially, Venetian, supranational, British empire and its European maritime predecessors, this process shows the effect of the substitution of monetarist systems for a system of relatively physical-economic values.

As I have noted, in opening this chapter, in the specific case of Sumer itself, the systemic stages of what became a fatal mode of physical-economic decline, was a decline which began with the spoiling of the "bow-tenure right" of the farmer, but also underwent moral and physical-economic decay through degradation of the farmer to a mere tenant, and, later, a virtual slave. Notably, the same Mesopotamian decadence ordered the process of the descent of the Baghdad Caliphate, from being, then, the world's center of assembled knowledge and progress, during the lifetime of Charlemagne's ally, the Caliph Haroun al-Raschid, into the decline of the Caliphate, under imported Turkic muscle, into a decadence echoing the precedent of the decline of Sumer.

The pattern observed in the case of the decadence of Sumer, has been, as a matter of fact, the reigning, known, social-economic model there since that time. The difference between what was, in fact, the legendary "Asian model" of imperialism, and what the European model has now become under the domination of the European Union by subjugation to the present form of the British empire, is to be viewed as typified by the maritime culture's precedent of the Homeric view of the long, ruinous siege of Troy, and by the consequences of that as shown by the great dramatist Aeschylus.

This pattern, set by the decadence of Sumer, has been, as a matter of fact, the reigning social-economic model throughout most of this planet, since that time. The difference between the Asian model and what has become the present European model, lies essentially in the implications of the specifically maritime model of imperialism which was developed, initially, as a power within the region of the Mediterranean, as that is typified

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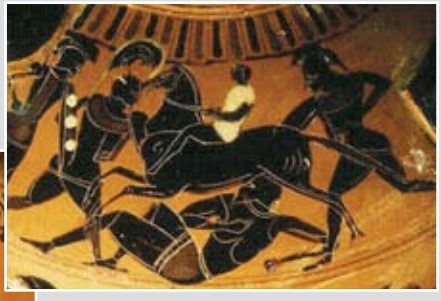
*Sumerian civilization spanned the 26th through 23rd centuries B.C.. Shown are ruins of the Sumerian city of Ur, in southern Iraq. In the distance is the reconstructed facade of the Great Ziggurat of Ur.*

*The Trojan War, the subject of Homer's* Iliad*, is believed to have occurred in the 12th Century B.C. Shown below is a scene from the Homeric epic on an Attic amphora, ca. 520 B.C.*



*The Peloponnesian War (431-404 B.C.) consolidated the forces of usury and monetarism in the Greek world. A scene from that war is pictured above on an Attic amphora.*

by reference to the Homeric view of the aftermath of the long, ruinous siege of Troy, and by the consequences of that as shown by the great dramatist Aeschylus.

This pattern in history, which can be studied in the case of the repeated declines within ancient Mesopotamia, was repeated under the Mediterranean maritime cultures which superseded the Asian model, as since the effect of the Peloponnesian War in the Mediterranean, and in the rise of the form of the Venetian maritime empire from the decaying corpse of Byzantium, as, also, in the rise of that maritime form of international usury which has become known as the British empire of today.

About 1492, the Venetian system of imperialism underwent a crucially significant strategic modification, as the leading edge of world maritime power shifted from the Mediterranean, into the Atlantic. In that process, the shift to the Atlantic, from the Mediterranean, assumed the form of the struggle for maritime supremacy among the Iberian peninsula, France, and those Anglo-Dutch maritime interests which were to be consolidated by the victory of the Anglo-Dutch maritime-imperial interests in the "Seven Years War," at the February 1763 Peace of Paris.

What did not change significantly with that shift from the Mediterranean to the Atlantic, was the essential role acquired by Venice. Venice, once established as a power a little more than a millennium ago, remained the center of the organization of monetary power, while the outer husk of monetarist power, the Anglo-Dutch maritime interest, became the political and military capital of the increasingly global operations of the empire itself. Venice has never actually given up that role; it simply transferred some of its functions to the newly constituted London branch, all as a part of the adjustment to the shift from the Mediterranean to the Atlantic field of leading action.

The "Seven Years War," as Chancellor Bismarck emphasized during the British run-up for World War I, has remained the underlying strategic model for the maintenance of British imperialism since that time, as the case of two "World Wars" illustrates the point.

This chronic pattern among monetarist systems, is rooted, systemically, in such reductionist (e.g., "zero-technological growth") systems echoing Aeschylus' identification of the brutish Zeus's tyranny, as in the **Prometheus** trilogy, such as the pro-genocidal policy of British Prince Philip's pro-genocidal World Wildlife Fund (WWF) today. This legacy of "zero-growth" policy, as portrayed by the **Prometheus** trilogy, had been continued by such pro-genocidal, "zero population-growth" presumptions as those of the fellow-travelers of that systemic evil of an Aristotle who was later condemned by the associate of the Christian Apostle Peter, Philo of Alexandria. Philo attacked the legacy of Aristotle on precisely this issue. He attacked Aristotle's dogma on its curious premise, of insisting that the Creator had ceased to be creative once the initial launching of an allegedly fixed organization of the

universe had been consolidated.[3]

The Aristotelean model was superseded, in terms of forms of political systems, during the course of the European 1492-1648 religious warfare. This occurred by the interventions launched against the failed Council of Trent by the frankly satanic Paolo Sarpi, who is otherwise known as the virtual father of modern European liberalism. That is to emphasize the point, that, whereas, the Aristotelean legacy, as typified by such among its products as the *a-priori* presumptions of Euclidean geometry, had prescribed a "zero technological growth" model, Sarpi's systemic presumptions, which are presently familiar as the British imperialist philosophy of such avowed enemies of the United States of America as Lord Shelburne's Adam Smith and Jeremy Bentham, promote what amounts to the pro-genocidal "chaos theories" inherent in that mathematics of Bertrand Russell which is hostile to any actually physical scientific principles.

### *Prometheus Bound*

The pattern, so described, as expressed as the fatal legacy of Sumer and similar social models of decadence, is typified for the cases of European and other later histories by the topic of Aeschylus's **Prometheus** and, also, such modern cases as the policies of Prince Philip's progenocidal World Wildlife Fund and its embedded, "anti-growth" cult of what is called, euphemistically, "environmentalism." This "anti-growth" cult is typified in its systemic features today as the doctrine of the most evil men of the Twentieth Century, Bertrand Russell and his crony H.G. Wells. The cult-doctrine of those characters and their followers in this view was not really a result of their fear that the world would be over-populated by people, but their fear that the people might not accept the standard of relative stupidity which had been assigned to them by the rulers of the British empire. That was the same issue treated by Aeschylus' **Prometheus Bound**.

The intrinsically fraudulent, British "Malthusian" ideology expressed by Britain's Prince Philip and his World Wildlife Fund, is essentially a product of the fear among ancient through modern oligarchies, that the general population of nations might become too intelligent to put up with being treated as virtual cattle under the reign of oligarchs. This is the issue addressed by Aeschylus' **Prometheus** trilogy, as expressed later as the so-called "oligarchical principle" prescribed, jointly by Macedon's Prince Philip and the Achaemenid empire, their proposal for what had been intended as a joint system of implicitly world-wide permanent oligarchical rule. This was the principle of hatred against the image of Prometheus which was expressed by Aristotle at that time. This is the principle of oligarchical rule which underlies the *a-prioristic* presumptions of Aristotle's follower Euclid. This is also the doctrine of "zero growth" which permeates such mid-Nineteenth-century ideologies as that of Rudolf Clausius and the followers of the cult of "the second law of thermodynamics" generally, up to the present day. Hence, the "zero-growth" cult of the devotees of Prince Philip's World Wildlife Fund. Hence, the "creative destruction" cult of such pro-fascist mentalities as Nietzsche, Sombart, Schumpeter, and President Obama's Larry Summers.

In that light, consider the practical alternative to the

*Mongol ruler Hulaku Khan's army attacking Baghdad, the heart of the Abbasid Caliphate, in 1258 A.D. The city was completely destroyed, up to 1 million people killed, and the Golden Age of Islam brought to a close.*

3. Silly Isaac Newton's "clock-winder" nonsense was an echo not only of Aristotle on this point, but also both the Satan-like figures of the Olympian Zeus of Aeschylus' **Prometheus Trilogy** and the "God is dead" slogan of Friedrich Nietzsche, and also such followers of Nietzsche, as not only Prince Philip, but, also, the satanic inclinations of such followers of Nietzschean "creative destructionists" Sombart and Schumpeter as President Obama's Larry Summers.

*With the shift of power from the Mediterranean to the Atlantic, Venice remained the center of monetary power, while transferring some of its functions to London. Engraving of Venice by G. Braun and F. Hogenburg, 1565.*

modern fascist notion of a "danger of over-population."

The known demographic patterns of trends of increase of the potential relative population-density, reflect the absolute distinction of the human being from all lower forms of life. In other words, the key to this point is expressed by the great Academician V.I. Vernadsky's rigorously scientific distinction of human populations (the noösphere) from the biosphere.

That is to say, that the human species-type is distinguished uniquely from all lower forms of life by our species' potential for *willful creation of* discovered universal physical principles, by means of which the potential relative population-density of the human species is *willfully* increased. All living processes do, admittedly, express a drive for *de facto* innovation and improvement of types of species from relatively lower, to higher qualities; but, only human beings are capable of producing such anti-Aristotelean, "Promethean" effects as a creative act of willful knowledge of discovered principles, a kind of progress which is expressed in the mass as human voluntary progress through willful discovery of higher principles of action.

The general, willful advance in the potential relative population density of relevant cultures of the human species, is expressed generally as cultural changes associated with qualitatively improved means of sustaining a growing human population at a higher level of standard of living and life-expectancy through the fruits of cultural and scientific progress. The relevant forms of cultural progress are expressed as both discoveries of physical-scientific principles and as what are properly considered as advances in production of higher orders of cultural progress. The clearer notion of this modern notion of progress, is associated, most emphatically, with the legacy of the Florentine Renaissance's Filippo Brunelleschi and by Nicholas of Cusa and such among his followers in both science and Classical artistic composition as Leonardo da Vinci, Johannes Kepler, Gottfried Leibniz, and Johann Sebastian Bach. In fact, the creative powers of the human mind are to be associated with those aspects of mental function which are to be associated, specifically, with Classical modes of artistic composition, which are, in turn, associated with the creative powers of the developed individual mind's imagination, as the case of skilled amateur violinist Albert Einstein illustrates that connection.

The known, historical progress of combined scientific and Classical artistic culture in the history of European civilization, is to be correlated with such qualitative steps of progress as the development, under the leadership of Charlemagne, of the riparian systems developed under his leadership in statecraft. The progress in the potential for general advances in the physical conditions of human life, is expressed as leaps in potential typified by such cases as the addition of riparian development within Europe, as in the case of the reign of Charlemagne, to the already established maritime systems. The later development of the trans-continental railway system, is a comparable addition. The development of the use of nuclear and thermonuclear power, adds a still higher platform for the advancement of human potential population-density and of human culture generally. Mankind now awaits the conquest of nearby Solar space.

Similarly, the work of my associates and I has revived the quasi-dormant intention to develop a leap in North American population-potential in the form of the

implementation of the proposed North American Water and Power Alliance (NAWAPA), a development which can, and must be replicated in Eurasia and elsewhere. The next leap is into nearby Solar space: what has been named as "the extra-terrestrial imperative."

However, up to the present time, the progress in the conditions of life of the generality of the human species, has been a grudging progress, but a persisting impulse even in times when progress has been denied, or has suffered even catastrophic reversals imposed by the "environmentalists," instead. The great fear of the ruling oligarchies, such as we witness in the case of Britain's Prince Philip presently, has been that a people becoming "un-stupid" can not be treated as virtually often-overstuffed cattle. Hence, the theme of Aeschylus' **Prometheus** trilogy. Hence the plague known as Euclidean geometry.

## II. Sarpi's Ockhamite Rule

That pattern in European history which is to be traced from the recurring cultural catastrophes in near-Asia, to the rise of the European society which followed the defeat of the Persian Empire by the forces under the command of Alexander the Great, was of the form of the rise to supremacy of a series of maritime cultures traced to what is efficiently identified as the Olympian model. The more than two past centuries, since 1763, which is represented by the domination of the planet by the British empire (initially, Lord Shelburne's British East India Company), corresponds to a new cultural phenomenon, a shift from the medieval European model of the followers of the cult of Aristotle, a shift to a new imperial cult, a shift embedded in the followers of the modern British cult of Paolo Sarpi.

It might appear to some, that the system of imperial maritime tyranny associated with the Sarpi legacy of the Thirty Years War period, could be considered a "capitalist" sort of post-Renaissance extrapolation of the medieval Aristotelean tyrannies. In fact, not only was Sarpi's system a systemically novel one at that time, but it was developed by Sarpi and his followers, such as his lackey Galileo, this as a reaction to the great threat to oligarchism typified then by the strategist Nicolò Machiavelli and the great scientist Johannes Kepler, but, more importantly, it was a reaction to the perceived threat of the modern science launched by such central figures of the Florentine Renaissance as Filippo Brunelleschi and Cardinal Nicholas of Cusa. It had been Cusa's founding of a systemically modern science, as typified by both his pioneering in the cause of the modern sovereign nation-state, **Concordancia Catholica**, and of modern science, **De Docta Ignorantia**, which represented the essential threat to the power of the Venice-centered, Sixteenth-century oligarchical forces. It was the failure of the Habsburgs and also their Inquisition, to defeat the legacy of the modern nation-state and its science by means of the great religious warfare launched by that Inquisition of 1492-1648, which brought about the defeat of the initial efforts to crush modern civilization through religious warfare, which had opened the gates, so to speak, for the emergence of Paolo Sarpi as leader of a new form of oligarchical tyranny, and continued warfare, a new tyranny which was specifically designed to counter the threat of the modern science by a system of sovereign nation-states which had been premised upon the discoveries launched by, chiefly, the influence of Cusa.

The then old, now failed, Aristotelean system, had opposed the Classical Greek science of such as Archytas and his friend Plato by, chiefly, the methods associated with Aristotle's system of intended, "virtually zero scientific progress." The cultural and scientific revolution led by Cusa outflanked the Aristotelean method, by re-establishing what was to become a modern principle of progress in the human condition through the discovery of universal physical principles. Under the influence of Cusa's policies, the resistance to the Habsburg butchers represented a new kind of strategic method, one which became associated with the name of Machiavelli, which the Aristotelean tradition was, inherently, poorly equipped to defeat.

So, the belabored Council of Trent had proven itself to be a strategic failure. The European oligarchy found an alternative in the utterly irrationalist doctrines of a resurrected medieval figure, William of Ockham ("Occam"). Sarpi's putatively Ockhamite dogma allowed innovations, even philosophically wild concoctions such as the black-magic specialist Isaac Newton, but always denied the existence of reason. The cult associated with the name of a half-witted black-magic specialist, nonetheless served the purposes of such duped followers of not only Sarpi and his Galileo, but also of the Abbé Antonio S. Conti whose role has proven to be that of the principal hand behind the duped followers of the anti-Leibniz cult. That is the cult of Sarpian Liberalism which has been largely continued up to

the present day of the modern mathematical reductionists of associations such as Bertrand Russell's followers of the pseudo-scientific cult of the International Association for Applied Systems Analysis (IIASA) and IIASA's companion cult, the so-called Club of Rome.

Prince Philip and his late co-conspirator Prince Bernhard have followed Russell in their roles as the founders of the radically homicidal policies of the World Wildlife Fund (WWF), an association which is currently dedicated to a rapid reduction of the world's population to not more than two billions living persons. This genocidal motive is presented under the cloak of a deception called "environmentalism," a ruse for luring the WWF's duped fanatics into choosing a policy of what is in fact a more radical genocide than that intended by Adolf Hitler, all in the name of defending the lives of all sorts of usually four-legged, sub-human varieties of living specimens, against being, allegedly, crushed under the heel of alleged human "over-population." All of which is actually nothing other than the combined impoverishment of peoples and a Malthusian reduction of the human population on a scale fit to dwarf the evil imagination of Adolf Hitler's mass-murderers.

## Sarpi's Lies

Venetian agent Paolo Sarpi (1552-1623) "wrote his doctrine for the proverbial suckers, not for himself," LaRouche writes.

Sarpi maintained that universals have no existence whatsoever; what do exist are objects perceived by the senses.

His advice: "Do not follow opinion that wears the title of truth, but rather opinion that wears the title of pleasure or usefulness."

The wise man, according to Sarpi, "recognizes that his efforts at obtaining knowledge always come up against the infinite, and, knowing this is beyond his grasp, he stops and comes to no final decision on any matter, deciding to live according to the day-to-day appearance of things and, in public, support those beliefs which are commonly held. . . .

"The end of man, as of every other living creature, is to live . . . simply live in the here and now."

Such are exactly the pro-genocidal policies, in effect, of the current U.S.A.'s Barack Obama administration.

The United States, and also western and central Europe, are currently, immediately confronted with two general options. One is to resume science-driven technological progress, thus meeting the present urgent requirements of defending a healthy, and improved environment, or, going to the contrary extremes of imposing a mass-murderous practice of greatly increased death-rates through a murderous combination of "health-care reforms" and population reduction through mass impoverishment and destruction of efforts at net technological progress.

In fact, we have available presently, the means both to improve health-care standards for a growing population, and provide a greatly improved set of conditions for the enjoyment of a productive life generally. The only precondition for carrying out such policies, is accelerated support for technologically improved, and accelerated productivity, as to be accomplished through aid of science-driven progress. Yet, especially since the U.S. Presidency of Theodore Roosevelt, what may be fairly identified as the roots of the contemporary Wall Street-oriented parasitical class, have frequently worked in the direction of the wicked "environmentalist" schemes of the co-thinkers of Theodore Roosevelt, Prince Philip, and Prince Bernhard, all in the name of the great lie known as "defending the environment."

### *Sumer Again*

Similarly, looking back to the case of the decline of Sumer, the systematic stages of what became the fatal mode of physical-economic decline there, began with the spoiling of the "bow tenure" right of the farmer, the farmer's degradation to the status of a hired servant, and, later, a virtual slave. The typically oligarchical impulse for the degradation of the irrigation systems and fertility of the plots, which were the effects of the decline in the social status of the population generally, led then, and repeated in many cases later, to the fall of that civilization. So, the decline of the Baghdad Caliphate, later, typ-

*The predecessor of Obamacare: euthanasia in Nazi Germany (left). More than 10,000 people with disabilities were killed at Hadamar Hospital, shown here, in 1941.*


Creative Commons/Steve Rhodes

*Above: A protest against health-care budget cuts in California, June 2009. California led the way for what has become the national Obamacare program.*

*President Franklin D. Roosevelt's greeting to a young polio patient at Warm Springs, Ga. (right), expresses the American System approach to health care: Make them well, don't kill them off!*

ified the same type of process, of moral decay mixed with physical bankruptcy of the society as a whole.

Two points are to be made here on that account.

First, what is deemed to have been the relatively depleted "natural resources" on which the society had depended is the threat of doom for any society which does not effect sufficient rates of technological advance in the productive power of labor to off-set the systemic depletion of the relatively richest concentrations of such resources. Sooner, or later, that depletion requires the remedy of a revolution in basic economic infrastructure, even new principles of science. No "steady state" for a society which attempted to rely upon a fixed technology is possible.

Second, that same challenge must be examined in terms of what are three components of the requirements which a successful society requires. The first of these is "basic economic infrastructure," as this is best typified at this time by the crucial importance of implementation of the North American NAWAPA program as a leading feature of those nations' basic economic infrastructure. The second, is the qualitative advance of the technology used for overcoming the depletion of used resources of production. This includes the requirement of an increase of the energy-flux density of the sources of power available for both infrastructure and production and transport of goods. The technological advances required, including the general increase of the energy-flux density available and applied for both infrastructure and production, are essentially qualitative, rather than merely quantitative. The intellectual development of the society becomes of increasing importance as the capital-intensity of required levels of production must be maintained. Here, the intellectual life of the population becomes an increasingly important factor of costs of production and maintenance of the society.

The Ockhamite system, as typified by the case for the British economy, suffers from a systemic conflict between meeting the challenge of attrition, while keeping the population sufficiently relatively stupefied, culturally, that for the purpose of preventing the population from shucking off the burden of a reigning, essentially parasitical oligarchy. At the point that knowledge becomes the surge of freedom from oligarchical overlordship, the oligarchical society, such as Britain today, faces a most challenging contradiction. It can not maintain the emphasis on keeping a population relatively stupefied, and also meeting the challenge of in-

creasingly urgent science-driven, capital-intensive requirements.

The case of IIASA is an excellent illustration of the kinds of effects prompted by that challenge.

Look back to the impact of the rise of modern physical chemistries which put an increasing premium on those aspects of progress in physical chemistry which, like the work of Louis Pasteur and Max Planck, and, then also V.I. Vernadsky, require increasing emphasis on the products of the genius of Bernhard Riemann. Into the fray between competent science and the fears of the British and like oligarchies, we find the case of Bertrand Russell. The more simple-minded opposition to science from the likes of Ernst Mach, is no longer sufficient; the more drastic obscenities of a Bertrand Russell send Twentieth-century science into an increasingly intense conflict between mere mathematics and the increasingly Riemannian sophistication of what has been predominantly a Riemannian physical chemistry since Louis Pasteur, Dmitri Mendeleyev, Max Planck, William Draper Harkins, Albert Einstein, and Academician V.I. Vernadsky.

The British and kindred oligarchies of science, since the roles of the so-called mathematical physics of David Hilbert et al., are gripped by the challenge of keeping up with the progress and related demands of honest scientific achievements, and the danger to the oligarchical interest which an honest scientific practice represents, Hence, the rather crucial significance of Russell's brutish political role in producing a **Principia Mathematica**, and kindred trappings of pseudo-science, combined with attempting to use mere mathematics in a fashion applied by the Russell circles in the 1920s Solvay conferences. David Hilbert was not utopian enough! More drastically radical measures launched by the academic rabble of the Bertrand Russell cult were demanded.

The result of the upsurge of Russell and his like during the period of the 1920s Solvay conferences, has been, notably, the drive into the depths of absurdity represented by the "Cambridge systems analysis" and such of its by-products as the IIASA "brainwashing" enterprise in sterile, merely mathematical computations. A mere, lunatic mathematics of bad, actually unpayable gambling debts, is devouring, and has nearly consumed what might appear to be the real universe, while the actual production of real wealth is being closed down for no reason as much as the shift from emphasis on a physical science, rooted in crucial experimental progress in experimental physical


EIRNS/Claudio Celani

science, to a sterile sort of merely mathematical one.

The "John Law bubble"-like character of the present insanity associated with the money systems of the planet, has virtually taken over the economy. The point has been reached, at which either most of the nominal money-wealth of the world is simply cancelled, or society itself will be virtually cancelled in another of the great waves of genocidal "new dark ages."

There are two issues posed in this fashion.

First, money as such can no longer be regarded as representing an intrinsic measure of economic value. Only money as an expression of uttered national credit, rather than a content of value, can survive. Economic value exists only in what can be defined as an expression of efficiently physical value, as in the increase of the potential relative population-density of society. Money becomes, thus, the promise of the sovereign nation-state to produce something of intrinsically new efficient values of that quality to society. Henceforth, the use of money must be restricted to the authority of sovereign government to utter such credit for such intended ends.

It happens, then, that the investment in what I have classed as a proper definition of basic economic infrastructure, represents the chief item of purchase and consumption in a modern society. This is the platform on which the existence of other forms of value depend for their existence. Professionals who reject such tasks, whatever their nominal profession, have proven them-

selves consistent failures in the domain of the necessary science of physical, rather than monetarist economy.

Take the current case of the projected building of the NAWAPA system as a most relevant example.

### *The NAWAPA Revolution*

NAWAPA, when installed will be the greatest work of infrastructure-building existing on this planet thus far. Nonetheless, it will do much more than merely pay for itself. It represents the greatest gain in the productive value of the relevant territory in the history of mankind to date. Moreover, it will promote supplements in territories on other continents which will become integral with the functions of NAWAPA, and will provide a greater rate of gain in the productive powers of labor, and per unit of relevant territory, than any yet seen on this planet.

Consider the following illustration.

Ordinarily, the idea of "productive" is associated with the output of labor by production. That is an honest mistake in judgment. The fact of the matter is, that the precondition for the rise of cultures to revolutionary changes to higher qualities of regions of sustainable, potential relative population-density, depends on virtual leaps in potential relative, human population-density which, in turn, require a higher quality of physical-cultural "platform" within which to operate. Such platforms include the discoveries in astronomy on which transoceanic maritime cultures depend. They include the addition of the inland riparian cultures, featuring canal-systems linked to principal rivers. They include most extensive systems of transport, such as good quality of highway systems, and then continental railway systems. They include advances in the cultural level of forms of power, from relatively lower, to higher effective energy-flux-densities of the form of power employed.

So, presently, the preconditions for the next great upward leap in the world's economy, now depend not only upon nuclear and thermonuclear power, as superseding types of qualitatively lower ranges of energy-flux-densities. They require a general upgrading of the methods of management of the planet, as this revolution is typified by the NAWAPA design.

It is the great advances in basic economic infrastructure which NAWAPA presently exemplifies, which constitute the platforms on which the potential for increase of relative potential population-density and quality of individual human life depend. In other words, the level of achievable productivity depends upon raising the "platform," through revolutions in infrastructure, on which successful general advances in potential relative population-densities depend. Without those advances in basic economic infrastructure, merely particular technological progress locally applied will fail in attempted performance of the truly vital mission of physical-economic program, failing for lack of the progress in advancement of the quality of the infrastructural platform on which the success of the society as a whole depends.

## III. The Factor of Creativity

The time has now come, here, to repeat, in a fuller fashion, a point of great importance, to which I have had occasion to report upon a number of similarly relevant settings.

The most significant advance in modern physical science since the discoveries of Filippo Brunelleschi, Nicholas of Cusa, Leonardo da Vinci, et al., was the uniquely original discovery of the principle of universal gravitation by Johannes Kepler. As Albert Einstein emphasized, the crucial discovery bearing on the system of the universe as a whole, was the discovery by Kepler which implicitly defined our universe as *finite, but, yet, unbounded*.

No reductionist, whether of the variety of Aristotle, nor the followers of Sarpi, has ever shown insight into understanding of the great principles of modern physical science which such geniuses as Leibniz and Bernhard Riemann owed to the crucial element of method underlying Kepler's discovery of the universal principle of gravitation. The case of Helen Keller supplies a delicious choice of hint as to how that elementary discovery by Kepler came into being.

The great problem of science which remains largely, one must say, stubbornly unsolved in the usual modern classroom or laboratory, lies in the usual failure to see the obviously ironical significance of human sense-perception. Here, we encounter the greatest of all the crucial principles of science. It is a certain general failure to understand the practical meaning of scientific qualities of creativity, among even scientifically educated professionals, which is still, today, the usual, qualitative barrier to be conquered along the pathway of general scientific and cultural progress in general.

In my earlier publications of recent years, I have concentrated considerable, repeated effort in my attempts to

NASA

*The commander of a space ship cannot rely on the essential unreality of sensual inputs concerning his or her surroundings, but must creatively use an array of even paradoxical inputs to find the way. Shown: astronaut Julie Payette and pilot Doug Hurley on the Space Shuttle Endeavor, July 29, 2009.*

bring clarity to the discussion of that obstacle and its meaning. It is a subject of great relevance in this present location. This problem, however challenging it may be, is nonetheless of an elementary, although crucial nature for all scientific work which treats elementary principles of observation. The argument which I have repeatedly employed on this account, runs as follows.

I now repeat an argument which I have employed repeatedly in earlier occasions.

Imagine that you are the commander of a space ship, but one without any directly sensory observation of the outside medium through which you are traveling. Your essential resources for sensing the performance of your function as a pilot, are scientific instruments which, like the human sense-perceptions, do not present you with the real space through which your craft is traveling, but merely the equivalent of meter-readings on the wall of your cabin. Just as a sea captain might do, you must rely on your understanding of the essential unreality of the common reading of each of your senses, and do this to such effect that you master the fact of the mutual contradictoriness of several kinds of instruments on which you must rely for the purpose of adducing the reality which none among the available sensory instruments actually presents.

The paradoxical character of the array of human senses which are, always, in fact, in immediate contradiction with one another, must lead you, as a navigator, to a discovery of a fact which none of your senses, by itself, could accomplish. You are confronted with a challenge akin to that which Johannes Kepler faced in the course of his discovery of a principle of universal gravitation which no particular sense-organ could define on its own account.

Kepler's actual, and uniquely original discovery of the principle of gravitation, relied upon the paradoxical contrast of the view of the Solar System provided by the contradictory notion of vision, when compared with a sense of the harmonics displayed by the patterns among the planetary orbits. Thus, neither of those two sensibilities, defined the principle of gravitation; only the ironically contradictory juxtaposition of the two views, provided Kepler access to the actual principle commonly underlying the experience of the sets of the two contrasted qualities of assumed sense-perceptual developments.

Of crucial importance for this argument, is that our example presumes acting upon what is often regarded as "the empty space" lying between the planetary orbits. There is no empty space, in fact. That imputed "space" is chock-full of cosmic radiation.

The more crucial, and deeper point illustrated by that case, is the fact that reality as such, does not correspond to mere sense-perception as such. After all, the allegedly "sensed" empty space, does not actually exist. Thus, it is demonstrated, that the human mind is not a

product of sense-perception; but, rather, the exact opposite. So, when we employ instruments to gain a reflection of those aspects of experience which are specific to the experience of the domain of the very large, or very small, which the concluding section of Bernhard Riemann's 1854 habilitation dissertation had already located as beyond the reach of literal sense-perception, we have entered into a higher domain of the universe, beyond simple sense-perception; our experience with such discoveries, is then reflected to us as a domain of scientific discovery beyond the imagination of ordinary sense-perception.

Yet, this is a domain of reality, nonetheless. The crucial, if paradoxical fact of the matter is, that we are not creatures defined by our senses; we are higher beings, with a much higher order of creative potential than our mere, conventional notions of our senses would suggest. Our minds, which are our true selves, are of a higher form of existence than the literal readings of mere sense-perception might suggest.

The apparent ontological paradox which that evidence implies, defines the notion of any existing universal physical principle, and does so in terms coherent with the ontological paradox which I have just implied in these terms of reference. Reality is then located for us outside those mere sense-perceptions which are but shadows cast by that unsensed, but nonetheless unavoidable reality of our existence. Those realities are what are properly recognized as being expressions of the reality beyond the direct reach of those mere shadows which are the sense-experiences. Such is the seemingly paradoxical nature of any valid discovery of a universal physical principle.

Thus, neither the Aristoteleans, nor the empiricists could have attained any competent insight into the reality of that universe which we inhabit. That relationship which I have just so described, points to those powers of the creative imagination which we should associate with both scientific discovery of true principles of the universe and the modes of Classical artistic composition. All competent proofs of any principle belong to that domain of the imagination. So Classical artistic composition of the domain of the unseen, pre-figures valid scientific insight into the discovery of physically efficient realities.

### *Hence, the Problem!*

Now, here, from the vantage-point of these immediately preceding considerations, the competent notion of national and related economic credit, as in, and among national economies, is to be derived from the considerations so presented in this chapter thus far. As in the concluding, third section of Bernhard Riemann's 1854 habilitation dissertation, any physically real notion of the economic quality of credit should be defined as reasonable confidence in what we must observe that we must discover, as a matter of principle, that we have the power to cause to happen, considering matters in the terms of reference which I have employed in this present chapter of my report, thus far. The most crucial aspect of this is presented as the power to cause to happen what has never been known to have been done before. Such is the role of the principle of scientific foresight premised on a rigorously defined view of the principle of hypothesis considered by Riemann, as by such as Plato before him.

Compare the exemplary cases of Archytas' duplication of the cube, and Eratosthenes' measurement of the estimated size of the Earth; do so, in the latter case, by means of the shadows cast by the Sun. Or, consider the proofs developed by Academician V.I. Vernadsky for the categories of the abiotic, biotic, and human cognitive domains of practice. Then, examine, rigorously, the related notion of the role of metaphor in defining a demonstrable notion of a universal principle, as for the case of John Keats' **Ode on a Grecian Urn**. *Metaphor may thus be considered as the essence of reality.*

### *Kindred Implications*

Once we have reflected upon the points just listed above: why should we be so simple-minded as to presume that our experience of the world outside of our skins should be limited to the domain of a naive view of the work of the given human senses? Must we not, rather, regard the popular faith in such sensory experiences as merely a sampling from a much larger array of comparably knowable modes of experience?

Is it, perhaps, our tendency to that simplistic notion of "self-evident" particles of matter which conventional notions of simple sense-certainty suggest to us, which misleads us into overlooking the immense range of cosmic radiation, including that which is, or is not compatible with the requirements of life in general, or human life in particular? After we have conceded that such radiation can not be overlooked in considering the effects to which we are subject, why should we exclude an innate potential for human beings' discovery of a conscious apprehension of such "additional channels" whose effects are potentially accessible as knowledge-

able experiences equivalent to sense-perceptions in the ordinary, customary sense? Take the cases of more or less well-defined mass experiences which have manifest effects on the moods associated with conscious states of "awareness." Granted, there are doubtful cases, in which inductive judgments from ordinary sense-perceptual experiences are relevant; is that all? What of Rosa Luxemburg's remarkably apt perception of the phenomena of the "mass strike"?

Or, in the alternative, consider the experiences, such as those involving crucial-experimental tests of principle, which depend upon sensory experiences premised on instruments which reach outside the domains of ordinary sense-perceptions, as Bernhard Riemann emphasized this in the concluding section of his habilitation dissertation.

There can be no physically empty space! Suddenly, with that thought, Riemann's warning against careless presumptions respecting the very large and very small, strike home.

To somewhat similar effect, what might be the ontological implication of the range of diseases which are more or less clearly associated with radiation, both as physical disorders of living processes, and also as cures? Once we have taken into account the fragility of the process of adducing sense-certainties from sensory experience alone, we are confronted with the problem of defining certainty in respect to the biological experiences as such, but, also, with more than strong hints that this also involves dimensions of communication, or potential forms of communication among living species existing outside the domain of so-called "conventional" experience of human communication. The certainty of such seemingly anomalous matters, such as those, remains as located in the fact that the human mind operates from outside, and absolutely "above" the domain of sense-perception as we have become accustomed to believe that we know it.

Suddenly, the true meaning of "cosmic radiation" strikes home, probably in the following way.

What, in terms of ontology, is the nature of the attributable "physical reality" of a discoverable, and demonstrable universal physical principle? None of that actually exists in either the teachings of Aristotle or the followers of Sarpi. Yet, only a liar could deny that the original discovery of universal gravitation was made by Johannes Kepler. The only persons who actually believe that Newton was a scientist, are merely acting as hysterics: they have been taught to believe, but not because they have valid supporting evidence for that belief that that is in evidence; they believe because they are frightened by the threat to their career, or something akin to that, which might strike them if they do not profess to believe, as if very sincerely, in certain things which may not actually exist. Yet, we are nonetheless able to demonstrate in practice, as I have already emphasized in this publication up to this point, that subsuming principles of the universe do exist outside the category of our sense-perceptions, and are unique.

Why do they believe such nonsense as sense-perception per se? Aeschylus knew the answer. Hence, his **Prometheus Bound**.

Think of the lists of discoveries of universal physical principles. Without discovery of such principles we were as miserable as mere beasts, and would render ourselves to being among the most pitiably helpless of them.

### *The Prometheus Myth*

Consider a listing of an array of discoveries of proven universal physical principles, which exist as true principles only "outside" pure and simple sense-perceptions, even principles without which mankind would be just another mere beast. Consider the stubbornness, even the viciousness, with which many persons had reacted to reject such discoveries. Think of the results in such cases. What should we make of such historical evidence, in case after case?

That much considered: what must we make of the case of Aeschylus' Prometheus? What is that evidence from history, which shows such a factor has often been an historical fact? Point to examples of cases in which what had been proven to be a truly discovered, efficient principle, had yet been resisted, even forbidden. Take the case of the Aristotelean Euclid. It is a rather easy argument to demonstrate that the *a-priori* presumptions of Euclidean geometry do not actually exist as principles of practice in competent physical practice, as I, for example, had come to understand the principle involved already at the age of 14, simply by the prompting of my fascination with the reason for the "holes" in structural steel which I had studied at the Charlestown Navy Yard.

Think of the silliness of much of the discussion of the subject of a so-called "non-Euclidean" geometry during the course of the 19th Century, and even beyond that. Consider Carl F. Gauss' gingerly avoidance of discussing the actual issue in the case of Jonas Bolyai, but

also regard Gauss seated in sponsorship of his sometime protégé Bernhard Riemann as Riemann presented the case in the habilitation dissertation he delivered on that occasion.[4] Today, we know that Gauss employed principles of discovery of physical principle which we must acknowledge, as if retroactively, as expressing essential principles of work which we came to know only retroactively, even only mathematically, rather than as actually physical principles of experimental method. Gauss did this on numerous occasions, as he did in his letter in response to his friend, Jonas Bolyai's father. The idea that a deductive mathematics could never define a true physical principle, died very hard among the mathematicians in that and other instances.

Take the cases of two crucial principles of modern practice, that of nuclear power and that of chlorophyll. Consider the far worse than silly doctrines expressed by the proliferation of such worse than useless, even menacing types of substitutes for efficient selections of sources of power as windmills and solar panels. Compare the unavoidable amount of cost per calorie of each gimmick with that of nuclear power. What is expressed by the would-be Olympian Zeuses of today is demonstrated in fact to be a gigantic religious fraud, and, in fact, what is fairly viewed as being a Satanic sort of religion.

Behind the promotion of such monstrous frauds as that of windmills and solar panels is nothing different that what Aeschylus emphasized in the **Prometheus** trilogy. What these toys express, is not science, but very bad social theory—that in the sense of "bad" to be considered as bordering on the Satanic.

There is a relevant, somewhat misty, but nonetheless demonstrable case to be considered in coming to an understanding of the purely political principle behind the motives of those who, still today, wish to consider themselves the virtual representatives of gods of Olympus. The principle involved can be understood with help of some historical evidence.

### *Olympia & the Berbers*

At some time after the beginning of the great melt of the last great glaciation of the northern regions of our planet, "people of the sea" appeared along the coasts of the Mediterranean. In the case of a people who received such mariners, we have the Berbers already long established there. The legend is that the concubine of a head of the mariner's party, called Olympia, induced her sons, among whom Zeus led the pack, to kill their mother's husband. Later, we find these Olympians styling themselves as "gods" reigning over the lower class of ordinary human beings, all as we have it from the Homeric **Iliad** and **Odyssey** and the retrospective view provided by playwright Aeschylus.

Thus, we have, from the Homeric sources and those of Aeschylus et al., a view of the composition of the ancient society of the Mediterranean as it appears to us from such sources as the Great Pyramid of Giza, and, afresh from the warring maritime forces of the Mediterranean from about the Seventh Century B.C. We are enabled to untangle some of the accounts pertaining to these topics through a crucial aspect of the accounts associated with the physical-scientific doctrines of Sphaerics and the work of such as the Pythagoreans.

From these records and the like, we have a picture of a great struggle among leading forces in society, as only typified by the Plato vs. Aristotle accounts. Aristotle, who was actually a control agent and celebrated poisoner in the service of Macedon, typifies what is known from the history of such times, and later, as "the oligarchical principle" which Aeschylus' and other accounts associate with the oligarchical code of the Olympians.

No competent evidence exists in support of the presumption that those matters are merely stories. The differences in the manifest mental processes of the Pythagoreans and such as the followers of Aristotle, are of such a character that there can be no doubt but that such controversies correspond to a scientifically systemic form of conflict in matters of opposing systems which are definable as such in terms of scientific principles. Among the most significant categories of evidence bearing on this subject is that dated from the interval of the roles of Macedon under the succession of Philip of Macedon and Alexander the Great.

Out of the developments during that period, there was the attempt to define a world empire shared by two proposed partners, the Achaemenid Empire as the land power of Asia, and the maritime region associated with the Mediterranean. Under Philip of Macedon, this two-empire system was to be a world empire constituted by a pact, known as the "oligarchical principle," between the two parties. This scheme was spoiled, for a time, by the accession of Alexander which occurred, as follows, after a contentious period set off by the death of Philip.

4. The concluding, daringly ironical sentence of that habilitation dissertation, is stunning if one thinks about it retrospectively.

Topkapi Palace Museum

*Plato's enemy Aristotle, the celebrated poisoner of Macedon's Alexander the Great, typfies the oligarchical principle. Shown here are a coin with the image of Philip of Macedon (ca. 323 B.C.), and a drawing of Aristotle teaching geometry (13th-Century Turkish School).*

The Achaemenid empire was destroyed by the victory of the forces led by Alexander in the great battle at Gaugamela. However, the intent to establish an empire based upon "the oligarchical principle," has persisted in that region to the present day. Presently, it is properly named the "British Empire." It is the legacy of what was known as the oligarchical order associated with the tradition of the Delphi cult of Apollo, an Apollo-Dionysos cult whose last famous high priest was the Roman Plutarch remembered by political illiterates still today as the author of the tendentious chronicle called "Plutarch's Lives of Famous Men."[5]

The importance of my immediately stated account of that historical summary here, is that the oligarchical principle traced from such reflections as the dramas of Aeschylus and their known precedents then, and still earlier, is a plainly embedded syndrome of the ascendant, specifically European maritime-cultural legacy presently. It is the same oligarchical principle of corruption of European society which prompted Cardinal Nicholas of Cusa to propose the launching of great voyages across the oceans in search of locations from which to build up the foundations of a society which would, subsequently, be free of Europe and the Mediterranean region.

Thus, the British empire which dominates Europe today, and the spill-over of that empire into the financial centers of Boston, New York, Chicago, and so on, inside the U.S.A., and reigning still over most of the nations of Central and South America, remains presently as the legacy of an agency based on that same oligarchical principle which Aeschylus' **Prometheus** trilogy identified for our strategic political edification today.

True creativity, as I have pointed out here, is the specific distinction of man from beast, whereas oligarchism persists, still today, and represents a beastly form of attempted reign by wittingly beastly tyrants who regard ordinary men and woman as virtually the cattle of an oligarchical system. The continuing struggle to secure the full independence of the United States under the conditions of the dominant role of a British oligarchical empire, is still today's great issue of the freedom of the creative powers innate to the culture of the human species.

The issue is, that if ordinary men and women are permitted to escape from the cultural manipulations of a reigning oligarchical system, the oligarchical system would die, hopefully forever.

What confronts us all just now, is an attempt to reimpose a frankly genocidal program typified by the legacies of Aristotle, or Paolo Sarpi, or their like, upon a human population which, considered in the large, requires forms of science-driven progress in the physical-productive powers of labor needed to sustain the present levels of population through advances in technology by means of which we are enabled to do better than merely supersede the effects of attrition.

At the same time, the motive of that oligarchy which is now still centered in the oligarchical rule over the globally extended monetary system defined by the British empire of Lord Shelburne's Adam Smith et al., is to prevent a new wave of science-driven progress in the productive powers of human labor, a progress which, by its very nature, would destroy the ability of the oligarchical tradition to continue to enjoy its power to rule over the planet as a whole today. To that end, the British

5. The Apollo-Dionysos cult lives on as the expression of the oligarchical cult still to the present time.

empire refurbished under what Lord Jacob Rothschild launched as the Inter-Alpha Group, beginning 1971, has embarked on the greatest wave of intended genocide against the great majority of the human species now. With the oligarchy of the world, that intention is the currently existential quality of hatred of the deeds and memory of such paragons as President Franklin Roosevelt.

As we of the U.S.A. used to write and publish, during the days of World War II: "Know your enemy!"

## IV. On Reflection

In this report thus far, the crucially relevant point made, is that there are two systemic, and ultimately deadly, practical implications in the effect of a practiced doctrine which asserts that a competent physical science can be determined as a product of mathematics itself. One name for this delusion of the mathematicians is monetarism. However, varieties of this type of delusion of those mathematicians, such as the followers of the late Bertrand Russell, who took over the Solvay Conference proceedings of the 1920s, have misled dupes of this doctrine of so-called "Cambridge systems analysis" into delusions such as the cult of the International Institute for Applied Systems Analysis (IIASA), in which the plausibly dead walk silently forward, without ever actually moving.

The crucially relevant point made in this present report, is that there are two systemic, and ultimately deadly, practical implications of the effect of a practiced doctrine of merely mathematical notion of a system of mere money, such as what is termed "monetarism" today. This notion of mere money is to be contrasted with the notion of a system of credit, a notion of credit which is properly rooted in the notion of a general increase of physical-economically expressed anti-entropy in the power of mankind to increase the power expressed as anti-entropic progress of an increasing population to a higher physical and intellectual state of existence.

**First:** That the notion of money is intrinsically contrary to the inherently anti-entropic requirement for the organization of a durably successful form of growing physical economy.

**Second:** That, conversely, the simply arithmetically linear notion of money as such, is antithetical to the essentially anti-entropic principle of Riemannian physical-economic progress. The quality of purchasing power for human benefit must become ever cheaper in terms of a nation's currency, but, that at the same time that the energy-flux density of the power employed is rising in a way which makes that power itself cheaper to the individual person. This accomplishment has already required progress to ever higher degrees of energy-flux density in terms of all relevant parameters of production and consumption.

So, monetary systems used as measures of value, as such, are inherently entropic, physically, in their effects. Thus, all economies which are ordered according to a notion of money as an intrinsic value, are implicitly doomed to decadence and ultimate self-destruction in one sense or another: unless, and until they might change their ways appropriately.

The roots of that problem of monetarism, and also monetarist tendencies, must be carefully examined, since the deeply embedded roots of the presently catastrophic world economic crisis must be traced to its origins in this aspect of the history of economy. The already referenced clinical case of Sumer is, therefore, an excellent choice of referents for the needed deeper insights into this matter, still today.

### *When Mathematics Is a Disease*

Review and recast the relevant points which we have considered as bearing on that condemnation of monetarism, as follows.

As I have already indicated, the worst of the systemic crimes which ancient Mediterranean and medieval and modern European cultures have contributed as causes for the great, critical afflictions of society, that still today, were the subject of a great trilogy composed by the extraordinary genius of the ancient Aeschylus, the **Prometheus** trilogy. Long before the work of the disgusting Aristotle, Aeschylus had emphasized that the principle of evil in society was most clearly, most systemically shown in Aeschylus' own depiction of the "green evil" attributed to the quasi-fictive rule by the Olympian Zeus, the evil of a ban on mortal man's access to the knowledgeable use of "fire."

Instead of the symbolic quality of "fire," use today's better, real-life term: "energy-flux density." Nonetheless, it is the notable distinction of man from beast, that only people use fire.

The same notion attributed to that Olympian Zeus turns up in a certain specific way as the dogma of Aristotle. Two features of Aristotle's work cast relevant at-

tention to the motive of Aristotle's crimes on this account. The two features express a common single principle.

In what I choose to point out first, we have the effect of Aristotle's influence on the work attributed to the geometer Euclid. In the second case, we have the Aristotelean assertion attributed to Friedrich Nietzsche, that "God is dead": the assertion that once the universe had been created, God Himself could never bring about any change in it; for Aristotle, God was no longer a Creator for such folk. Hence, for quasi-Aristotelean and rabid Dionysian Friedrich Nietzsche, God was already "dead." Nietzscheans Sombart, Schumpeter, and Larry Summers, have called it "creative destruction." Sometimes it is known by another name, "fascism."

In scrutinizing this pair of complementary examples of Aristotle and Euclid, we are being confronted by the greatest of all evils menacing the well-being of mankind today.

As I have already emphasized, this Aristotelean dogma also permeates the doctrine of the followers of Paolo Sarpi. Sarpi is sly in his own way, the way of the Satanism of the Venetian tribes.

Sarpi teaches his dupes to believe that they could not possibly know anything about the real universe. Adam Smith copies Sarpi on this point, exactly, in his **Theory of Moral Sentiments**. For Smith, man knows only the experience of pleasure and pain, of perceived rewards and punishment. For the British Liberals who follow Sarpi, there is no truth known to the believers, whereas the great arch-swindler and pure charlatan Sarpi himself, makes clear that he knows exactly what he is doing to a universality of mankind on his own account. To rule mankind, he is arguing, you must degrade people into becoming like a certain truly British type, either a slavering, lust-sodden beast, or a sly poisoner, like Sarpi's rival Aristotle, who practices religion within a peculiar sort of relic of a church where a baboon in a fancy ladies' dress presides at the services (although we have no present evidence that former Prime Minister Tony Blair ever presided in such services).

Writing on background about Sarpi's following, once we recognize that Sarpi wrote his doctrine for the proverbial suckers, not for himself, we need have no more illusion about Sarpi himself. The entirety of the doctrine he preached to such among his agents as Galileo, was, for him, one big lie, intended for no other purpose as much as to gull the proverbial dupes. His personal intention, and the method of his entire doctrine, was to effect destruction, that with a Satanic leer and manner of scheming. When we are engaged in treating the doctrine he preached to his British and other converts, we might think of a famous movie based upon a Sinclair Lewis novel, **Elmer Gantry**, which featured an insightful performance by actor Burt Lancaster and a stellar representation by another actor performing a most credible representation of a church-going "speaker in tongues."

For the part chosen to be played by the dupes of the charlatan Sarpi, read Adam Smith's confession in his 1759 **Theory of the Moral Sentiments**. It is the effect on nations and peoples of the doctrine created by Sarpi for the credulities of the dupes, which is the subject which I address here, as follows.

Where Smith wrote, in his 1759 "Theory:" "…Nature has directed us …," Sarpi's intention was to think, "Satan has directed them." Read the relevant passage from the 1759 work which I have frequently cited, in the following, slightly altered way:

"Satan has directed us … by original and immediate instincts. Hunger, thirst, the passion which unites the two sexes, the love of pleasure, and the dread of pain, prompt us to apply those means for their own sakes, and without any consideration of their tendency to those beneficent ends which the great Director of nature [Satan] intended to produce by them."

Smith is a dutifully credulous slave of the intention which a gloating Satan wields, the temptation of foolish men and women to become accomplices or instruments of their own destruction.

That said, now read Aeschylus' **Prometheus** to the following effect, as I have spoken of this matter earlier.

Certain people of the sea, having accomplished the murder of their father on behalf of their mother, Olympia, or perhaps a synonym for "the Whore of Babylon," came to call themselves "gods," and, to lord this adopted authority over what were treated as the virtual slaves called ordinary men and women. Such self-styled "gods," constituted the immortal body of the inhabitants of the imperial court of the Olympian Zeus who reigned in the memory of his mother, Olympia.

It was on behalf of the court of those so-called "gods" that the companions of Zeus tormented the merely mortal gladiators of the arena. See that Paolo Sarpi casting himself in the role of that Olympian Zeus. Read the part written for the character Iago in the re-

vised, second edition of Giuseppe Verdi's **Otello**: "I believe in a cruel god." Cast that monologue played by Iago as an incarnation of Satan, and you have a fair replica of the self-image of that would-be Satan who is known as Paolo Sarpi. There you have the essence of what is called "British Liberalism." There, you should also recognize the role of the "Executioner" under the Terror of the Spanish Inquisition and the French Revolution. Like the Satanic Torquemada, the principle of "the terror," which is Sarpi's part in real life, is "If I could be God, I would prefer to be Satan."

There, in that role of the Iago of the soliloquy, you have the model for the figures of the World Wildlife Fund's Princes Philip and Bernhard. When you begin to see the real-life Paolo Sarpi and his works in that way, you have understood the moving spirit of the present British imperial system and its most powerful flunkeys, its leading bankers. It is those who fail to grasp the notion of Sarpi as a Satanic model made in the fashion of his own adopted sense of identity, who have yet to understand the essence of the British imperial system. You have only to ask the tormented victims of the British role in Africa. Read the flunkey Adam Smith with the actually Satanic figure of Sarpi in mind. See Sarpi, not Smith! Or, see the Abbé Antonio S. Conti who adopted the Eighteenth-century British mission of destroying science in the name of the silly puppet of a "black magic fantasist" known as Isaac Newton.

That is the true intention expressed in the preferred, and very silly, British subject's use of the term "human nature." Think of Oscar Wilde's casting of "The Picture of Dorian Gray."

Think of the schemers who orchestrated Gray's self-destruction: How very, very British!

There is a crucial sort of importance, for almost any citizen, in viewing that Sarpian page from the book of British imperial ideology as I have just summarized the case of Sarpi here. What is the alternative to the practice of that self-degradation fairly identified as contemporary "British ideology"? British man and woman crafted according to the social recipes of British ideology, have no actual sense of immortality, since that type spends its mortal years to the effect of one who has adopted the life's mission of digging its own grave, wearing a first- or second-class tombstone, or even none at all, as its destiny. Such "Brits" have no true sense of immortality, no sense of mankind's immortal mission in having lived in his or her own life's time.

The truly creative human personality is not of that wretched type, a fact which I, personally, richly enjoy. What are the true fruits of the tree of a certain immortality to be enjoyed in the course of living?

### *The Secret of Life*

Putting it in figurative terms of reference, what is the death of a human individual? Or, better said, what is a valid sense of immortality? Let us name the answer to such questions as an efficiently practiced principle of "immortality."

Take the case of Christopher Columbus who adopted the mission handed to him by circles of the then-deceased Cardinal Nicholas of Cusa. Cusa, after recognizing the systemic corruption still reigning in the Europe and Asia known to him in his time, informed his associates of the mission of crossing the great oceans to other continents, to develop a culture which would produce the remedy needed for the corruption dominating the contemporary cultures of the already known world.

In that sense, Cusa was thus already living in the future of humanity: a future state of civilization.

There are principally two ways of viewing such intentions. One is the notion of success in reaching a new place, one better suited to one's intention for making improvements in the presently experienced kind of human condition. The other view, is that of improving the immortal quality of the existence of the universe itself. That latter view is associated with the notion of the role of human creativity expressed by producing better systemic states of nature than exist presently. That latter choice stated otherwise, we are presently pointing in the direction of states of human existence of a better quality than are known to us now. That latter choice, considered as a type, corresponds to the effect of the discovery of a new, higher universal principle. The true alternative to the trash represented by such as Paolo Sarpi.

This set of notions has a notable contemporary expression in the set of scientific achievements of the Academician V.I. Vernadsky's development of the principled notions of the distinctions of, and functional interdependency among what are presently named the Lithosphere, Biosphere, and Noösphere. The result of the scientific elaboration of the development of that set of notions, confronts us with the reality of an anti-entropic order in the universe, which is a rejection of that great lie which the Gods of Olympus have taught those victims identified as hopelessly mortal, ordinary men and women.

EIRNS/Stuart Lewis

*Lyndon LaRouche: "Man may achieve effective immortality by creating the future, higher state of society which has been produced by aid of his existence."*

To say it otherwise, and that is necessary, true human beings live to create an improved future state of the universe. In other words, we must order our lives in the direction of changes which Albert Einstein's view of truly anti-entropic, universal relativity implies. This is realized, in practice, by devoting life to bringing such a future state into being.

We have recently revived what had been the mission of building an improved state of organization of our continent which had been known as "North American Water and Power Alliance (NAWAPA)." The design of that clearly feasible accomplishment had been prompted by the success of President Franklin Roosevelt's magnificent success in the transformation of a major portion of the territory of the United States, "The Tennessee Valley Authority (TVA)." However, as we reflect on that history since the TVA itself was begun in 1933, NAWAPA is not only an enormous undertaking relative to the TVA; the difference is qualitative in effect. The realization of NAWAPA changes the quality of existence of our planet, and reaches out to the prospect of changes within our Solar System as well.

The prospect of mankind residing within the Solar System, beckons our attention to the relativistic prospects for the galaxy, and beyond. Instead of man as a poor serf of a same-same world, we are now man creating future states of human existence on, and also beyond this planet. We are considering, thus, an effort which is comparable to, but supersedes, the mission assigned by Cardinal Nicholas of Cusa, and implemented in part by a Christopher Columbus inspired by the work of Cusa. Man may achieve effective immortality by creating the future, higher state of society which has been produced by aid of his existence.

This is the business of creating the future, higher quality of states of existence, through discovery of what a rigorous practice of scientific progress recognizes as the anti-entropic process of applied discovery of newly discovered universal physical principles. Rather than merely acquiring and inhabiting a place in which to live (and die), we are creating new places, even new planets, and beyond, in which to live.

This quality of progress requires the discovery of new physical and comparable principles which are products created by the noetic powers specific to the mind of the individual member of the human species, which represents a certain kind of participation in immortality. This, in itself, is a practice which creates a general state of human existence, in which man is no longer essentially mortal. The products of true creation are immortal in and of themselves; they remain a living part of the universe when our celebrated "mortal coil" has passed.

There is a principle involved in all this. To be immortal, contribute to creating specifically immortal results, and the real you will never have died. Such has been the intention expressed, as to matters of principle, in Moses Mendelssohn's reading of Plato's **Phaedo** (**Phaedon**).

### *The Matter of Mental States*

In a matter of reflection on the preceding content of this present report as a whole, the crucial point in this present writing as a whole, is my repeated emphasis on the distinction of a notion of mankind as defined by mere powers of sense-perception, from the quite different quality of a personal identity which is located as the identity of the person who owns the tools which are the given powers of sense-perception delivered as part of the auxiliary material that "comes with, and in the box."

Such is the distinction of the fully realized human personality expressed by the willful consciousness of

creative powers, from the type associated with the poor serf who must do as his father and grandfather did when cast into the sensory state of political brutality by the non-gods of the Olympian Zeus' system of imperial reign.

Our experience with the category of studies associated with the notion of the "physical tensor," as has been shown for the case of replicating the actual method employed by Carl F. Gauss in his actual discovery of the orbit of the asteroid Ceres, should remind us that there is no ready-made sort of mathematics from which the physical order of development within our universe might be deduced. Rather, the fact is, as the case of the discoveries by Bernhard Riemann exemplify the relevant types of connections, that it is progress in the creative development of physical science, on which all valid improvements in mathematical applications depend. It is that notion of the existence of actual physical principles as such, as prior to an experimentally settled mathematics, which is the essential foundation of physical-scientific progress.

So, in this fashion, the role of that aspect of the human individual identity which is essential, and which the sundry instruments of sense-perception merely serve as the creative powers of that personal identity of individual human reason may demand.

We have come closer and closer to the conclusion, that we must put human sense-perception in its proper place, just as Albert Einstein did in adducing from Johannes Kepler's actual discovery of universal gravitation, that the universe to which Kepler's attention had been addressed, must be focused on the field of cosmic radiation which fills up the space represented by what poor sense-perceptual powers mistake, with silly sense-perception's mistaken egotism, as "empty." Einstein had read Kepler's achievement as coherent with a notion of universal physical space-time as being finite but unbounded. It is not only unbounded; it is growing, anti-entropically.

And, we are part of that.

On this account, I have frequently referred to the closing paragraphs of Percy Bysshe Shelley's **A Defence of Poetry,** where he emphasizes the evidence that in certain situations of mass behavior of large portions of populations, such as we noted such patterns of mass behavior in political assemblies which erupted suddenly during August 2009, there are faculties of communication which show themselves to have a very specific quality of existence during such times, and, yet, would seem to possess no organ to be held accountable for such a uniquely remarkable expression as mass behavior.

Such exceptional instances of a quality of "mass behavior," are to be associated in a clinical way with the late William Empson's notion of a virtually physical principle of metaphorical irony in its most successful expression as such.

Such a paradoxical consideration should not surprise those among us who think carefully, and with well-focused concentration on relevant phenomena. The crucial fact about creativity, whether ostensibly scientific or Classical-artistic in expression, is that it is located, primarily, not in mathematics, but in the mental processes which are relatively more familiar to us from the domain of Classical-artistic creativity.

A notable case for consideration in examining such social phenomena, is the effect of the post-World War II role of a movement associated with the role of existentialism under the influence of The Congress for Cultural Freedom, and similar expressions of cultural-intellectual depravity experienced already during the period of the post-World War I 1920s. The "de-Classicalization" of the performance of Classical music defined by its foundations within the domain of the work of Johann Sebastian Bach, in the form of Romanticism applied even to the performance of the work of specifically Classical composers in the continued Bach tradition, is correlated with similar waning of actual mental-productive creativity among the end-products of university education. The loss of the role of metaphor is a most crucial social phenomenon on this account.

Or, to restate the same point, in a necessary, alternate fashion, insight into such issues on the fringes of science as it is defined today, will find their solutions in the process of clarifying the distinctions between the notion of self rooted in sense-perception as such, and the notion of the human creative-mental identity which uses sense-perceptual powers as merely auxiliaries attached to those creative powers of the human mind which are the actual seat of the inner human sense of functions of personal identity. This qualifying view of the limitations of sense-perception as such, tends to open the mind of the person's inner identity, to bring attention to forms of communication, perhaps within the domain of cosmic radiation, which may betray themselves as being the equivalent of "additional qualities of potential sense-perception," as in the domain of Classical artistic metaphor.

AUGUST 5, 2010

# An Extraordinary International Dialogue with Lyndon LaRouche

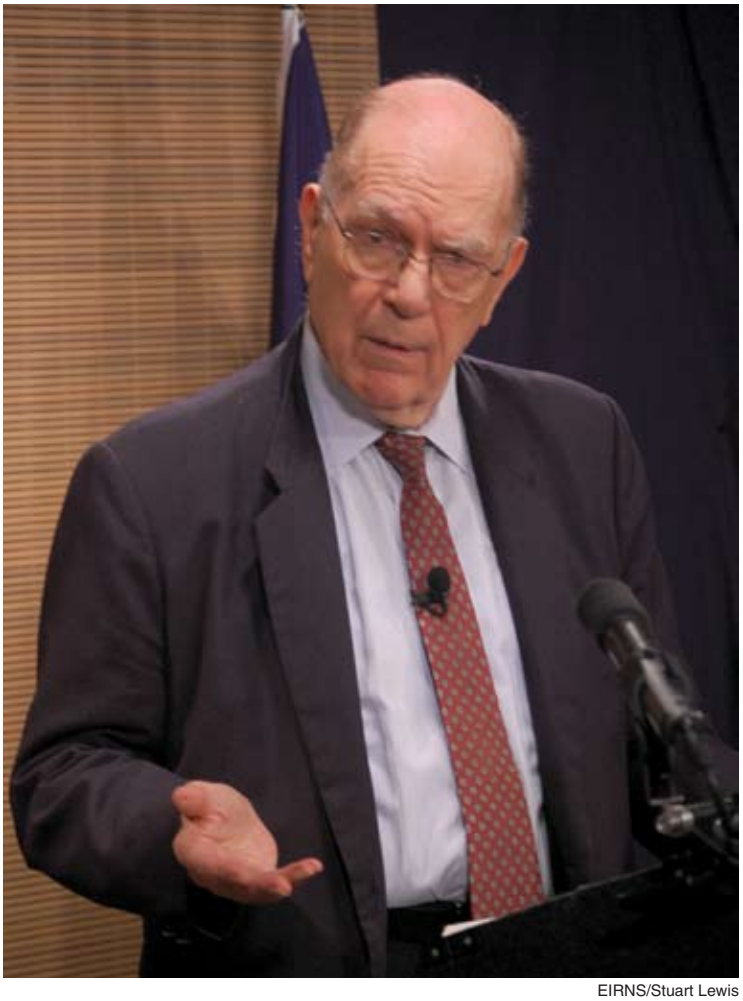
Aug. 30—*Several months ago, we posted an edited transcript of an extraordinary dialogue that Lyndon LaRouche had engaged in on April 29, 2010, with a group that had gathered in New York to discuss various elements of LaRouche's proposed Four Power Agreement and related issues. That group was comprised of policymakers, as well as a distinguished group of academics from leading American universities, including Stanford, U.C. Berkeley, MIT, Princeton, and Columbia. Representatives from Russia, China, and India also participated. A number of journalists were also invited to audit the proceedings. On Aug. 5, that group convened once again for what proved to be an equally extraordinary dialogue. The proceedings were moderated by LaRouche's national spokeswoman Debra Freeman. What follows is an edited transcript.*

**Debra Freeman:** Good afternoon. Although the last time we got together like this was not so long ago (at least in calendar terms), it really does seem as if it were a lifetime ago, in terms of global events, and in terms of the global mandate and necessity, for people like those gathered here, to act. Certainly, Mr. LaRouche has been hard at work, and I am sure he will touch on some things that represent what I consider to be startling breakthroughs in our work, not only to rebuild the nation, but to restore the appropriate activity of humankind on this planet and beyond.

So, since everyone is settled in, I think that I can stop talking, and without any further delay, I can introduce Lyndon LaRouche.

**Lyndon LaRouche:** I would say, without making reference to specific persons, as such, that, sometimes, when I, as in a situation like we face today, where I am approaching my 88th birthday, within about a month, and still active, that I can look back on my own experience in politics, which began about the time I came back out of Burma, as it was called, at the close of World War II, and became involved in politics, in U.S. politics in particular, and British politics, in the matter of India. And, for very peculiar reasons, I was in the center of some scenes of great action, which characterized the entire post-war period. That is, the way in which the British dealt with—by stirring up race riots, in fact, they were religious riots, in India—how they altered the course of history in a manner which had conjunction with the foul ball [Harry Truman], who succeeded Franklin Roosevelt as President of the United States.

And so, in that period, I had been in India just before going into Burma, for service there, and I had been asked by some of my fellow soldiers, to meet with me privately, and I agreed, and I had a sense of what was on their mind, because events had flown. And they said, "We want to know from you, what do you think is going to happen to us, now that President Franklin Roosevelt



EIRNS/Stuart Lewis

*We have come to a point, where it's on our horizon: We are headed for a technology where man will become a creature of the Solar System, not merely bound by the surface of the Earth. That time is coming.*

is dead?" And my reply was rather simple, and I think appropriate, but it's a reply which is relevant to the circumstances we face today: I said, "We have served under a very great President. Now, he has been replaced by a very little man. And I'm afraid for us, and for our nation." And they looked at me, and they were satisfied that I had answered the question which was on their minds.

Today, I think, sometimes you may have an ex-President or two around, who can look back after a decade or two of his service in high office, and find, from that perspective, a better insight into what the problems of the U.S. Presidency are, and how this compares with the problems of heads of government and state, or people with similar inclinations and commitments in other countries.

## A Momentous Period in History

Because we are at one of the most momentous periods in history. It's a period which is comparable, in its implications, to the change from the Black Death wave of the 14th Century, and the ensuing developments, controversial developments, which are crucial in defining modern European civilization, as distinct from medieval European civilization and ancient civilization. And we are at that point now.

We are now, at this moment, at a point of decision, of crucial decisions. And even people who may think they are willing to make kinds of changes in response to this thing—they have the wrong calendar in front of them, the wrong clock in front of them. Because, if we do not have certain changes, within an undetermined, not precisely determinable, interval, of the present two-month period of August and September—if certain decisions are not made, I can guarantee you, the United States is doomed.

And therefore, those who are thinking—and I know there is great controversy among people who I would consider patriots, and well-informed patriots, whose division was, "Can we find some other way, than actually moving to dump this incumbent President, to keep the United States alive, to solve its problems at some later date?" And I happen to know that that's not possible. It could be possible in certain kinds of developments, but they would be crucial changes.

But, as long as we are going under the present configuration of policymaking, at the top level, the very fact of the matter is, let me be very plain: Because you have to put this on the table, because it's a fact which you can not ignore. If you wish to solve the problem, you have to define what the problem *is*. Our present problem, is a Presidency which is worse than that of the predecessor, of George W. Bush: the current President Obama.

Obama is, as I have said, before, *a failed personality*. It is a very specific type, which has some celebrities in it, earlier, such as the Emperor Nero, who committed suicide, and governed Rome, in his time, pretty much the way President Obama does [the United States today].

And we had Adolf Hitler, an obvious failed personality, failed as a painter and failed as a politician, and

White House/Pete Souza

*Obama is a* failed personality. *There are numerous cases of failed personalities, who are placed in power by some political forces in a period of a crisis. And under conditions of crisis, these people have sometimes caused the greatest catastrophes. And we have such a time now.*

failed in every other way. Both of these two characters, killed themselves, because their psychological makeup meant that they would kill themselves, once their ego, their highly charged ego, had been defeated. "Hitler in the Bunker" is the less remote study which most people may be acquainted with. But the Emperor Nero is a very similar case.

There are numerous cases of failed personalities, who are used by some political forces, to place them in power, in a period of a crisis. And under conditions of crisis, these people have sometimes caused the greatest catastrophes, by the failure of whatever is the form of chief executive, or similar power, in their part. And we have such a time now.

There are two ways that people will tend to look at this. Some of the people on the line will look at it more in my direction, in terms of physical economy, and look at the fact that time is running out, in terms of physical economy, and the rate of process of developments. Others will look at it from the standpoint of the Presidency as a political institution, and they will not be quite as capable. They will be more inclined to try to look for options, on the platform of political position. Those of us who are going to be competent, are those who are looking at it from both standpoints, who understand the contradiction, the paradoxical function of political power to the economic power. And, by economic power, I don't mean who runs a business. I mean, by economic power, how the *economy*, the policies that run the economy—.

## Politics Is Not a Science

See, one thing that has to be understood, is, politics is not a science. That is, there is no political system, which inherently can be called scientific. That is, politics, economics and politics, are not based on physical principles. They are based on aberrations, often, of the nature of the human mind: There is no such thing as a true value of money per se.

Our republic was founded implicitly, under the Massachusetts Bay Company, prior to the time that the charter was cancelled, back in the 17th Century. At that point, we had a credit system. It was the first credit system, which is of relevance today: It's the first case in which a credit system was established, which was highly successful, economically. The reason the British crushed it, is because it was too successful, for their taste. But they introduced the actual foundations of the political system of the United States, at that time.

Now, this was crushed. It was crushed by two British monarchs, or their activities. But then, you had the emergence of Benjamin Franklin, as a follower of people like George Washington, and so forth, who were of the same background. Who, from various parts of what became the United States, formed the United States, or formed the principles.

And then we came to a time, where the great interests in Europe, which had experienced the effects of the so-called Seven Years War, realized that what the Americans were doing, in resisting the British Empire, which had been established by the victory, in February 1763, of the British Empire, that this was the greatest danger, a view they adopted, because they recognized the implications of the sucker game, called the Seven Years War. By which the British, or the Anglo-Dutch interests

of that time, used the British East India Company, as a vehicle of imperial power. And they became an imperial power, at that point, and through that method.

Therefore, you had reactions in Europe. For example, you had the French reaction, which was very strong support of the cause of the young United States, the young republic, because they recognized, that this was the kind of thing they preferred to live with, rather than the British Empire. The British Empire which had plunged them, and had been created by plunging, them into a Seven Years War.

Which we had a repetition of, of course, in many forms since that time! The British did it all the time! You-and-he war, kinds of things. The same thing was done to start World War I, which was started in the same way! The reaction to the success of the United States, with the Lincoln victory over the British puppet [Confederacy]. Success of the United States under Lincoln, and following his death, in the 1876 celebration, of the Centennial. The spread of the influence of that Centennial in inspiring Bismarck of Germany, to create the German reform, which made Germany a major economic power.

A similar thing happened in Russia, again, with the influence of 1876, by a great Russian [Sergei Witte], who influenced his political leadership, of his country. And this harked back to the fact, that it had been *before* the French Revolution, *before* the Napoleonic Wars, that the freedom of the United States had been established by support from the League of Armed Neutrality, led by Russia, from support by the King of France, and from the King of Spain, and from sympathies of those people with them.

But they had lost it. They had lost their power in a process of corruption and ruin, which led into the French Revolution and the Napoleonic Wars, *which was another Seven Years War*, where the great powers of Europe were destroyed, and the power of the British Empire rose! Not as an empire of a nation, but as the empire of an international monetary system, an imperial monetary system.

Then, again, 1876, after the victory of the United States over the British Empire, and over slavery. Then, again, we had a great movement, after World War I, leading into World War II: We had a great President. We had had a good President, William McKinley, who was shot! If McKinley had not been shot, then the United States would never have been an ally with the British Empire against the nations of Europe. But it was assassination, a prepared assassination, of the President of the United States, that brought a bum, Theodore Roosevelt, into the Presidency. And Theodore Roosevelt and Woodrow Wilson were scoundrels. And those who followed them, in the 1920s, were largely scoundrels.

Then, we had a victory, a great victory, with the election of Franklin Roosevelt, a hard-fought victory. And then we became a great power. The British had planned for World War II, as the successor to World War I, but Roosevelt was on the other side. No longer was the United States supporting the British against the nations of Asia and Europe.

So the United States' intervention, especially when the British got a surprise, and the Wehrmacht, which was a weaker force than the combined British and French forces, because of a French fascist government, had come to a deal. And the deal was, France fell to a weaker force, that of the Wehrmacht.

Then, Churchill, who was an imperialist who hated our guts, came screaming to Roosevelt, for succor! And we were not a sucker at that time. So, we fought a war, beside England, and with the alliance of the Soviet Union at that time. And with that combination of forces, as in our victory in 1782, we won a great victory against the British Empire. But then, in the process, Franklin Roosevelt died, and we got a Wall Street puppet, Harry Truman, as a President, who could do nothing, that would not help Churchill. And since then, we have had the bumps and grinds of this kind of process, which has destroyed us.

## What Was Richard Nixon?

I will give you an example of what the problem is, which you looked at, if some of you had been Presidents, or might imagine that you had been Presidents. There is a story that broke in today's *Washington Post*, coincidentally—I didn't plant it. I didn't plan to speak on it, today, but it came up, and it's worth mentioning. It's quite significant.

But, to go back 38 years: That President Nixon, at that time, who proved himself to be a puppet, under this circumstance, had sent a general, an Air Force general, four-star, John D. Lavelle, to make an attack on the North Vietnam forces. He carried out the attack, and at that point, in 1972, there was a little bit of quarrel about this thing.

But then, Nixon advised—or Nixon was advised, by Henry Kissinger—that he could not tell the truth, that he, Nixon, had given the order for the attack on the

North Vietnamese territory. So, he [Lavelle] took it. He was thrown out of his office. He was not criminally charged, but thrown out of office, 38 years ago. The man is now dead. But recently, because of the intervention of certain military forces, who enlisted a Sen. [James] Webb [D-Va.], in promoting justice for this case, finally, in the pages of the *Washington Post*—I didn't see it in the *New York Times*, but in the *Washington Post*—an exoneration of General Lavelle was made.

You have to think about what this means, in terms of the Presidency: What was this Nixon, a creation of a combination of the FBI chief at the time [J. Edgar Hoover], and his friend Roy Cohn, and Cardinal Spellman, who actually were running a reign of terror in the United States, and they involved a young man called Nixon, in these funny businesses. Nixon, as a matter of compromise, was appointed Vice President to Eisenhower. And Eisenhower was not too pleased with that attachment, and he showed it repeatedly throughout his Presidency—and with good reason.

*Was the President actually Richard Nixon? Or was the President Henry Kissinger? Or a committee that ran Henry Kissinger? Maybe the British Queen, who had a great influence and control over Kissinger? She made him an honorary this and an honorary that.*

Eisenhower sacrificed what he would have done, had he received the Democratic nomination, or been offered it, properly, at the time that I wrote to Eisenhower, when he was president of Columbia University, urging him to do so, and gave reasons for it, which he agreed with. But he said it was not opportune at that time, and looking back, I would say he was right. But if he had been President, to replace Truman, we would have had a different history of the United States.

And you think of, then, going to what we have now: We have the worst failed President, the worst kind of failed President, I think that we have had in our history, who is now incumbent. And it is my estimation, that the United States will go down, within the weeks or months ahead, if this man remains President.

And if the United States goes down, I also know, there will be a chain-reaction collapse of every part of the world, into a dark age, comparable, in impact, to that of the 14th Century in Europe.

So therefore, these things come together. We are in a time, right now, where unless certain decisions can be made *in a timely fashion*, we are not going to survive. Civilization is not going to survive. If the United States goes down now, *every part of the world will go down*, in a chain-reaction effect.

## Headed Toward the Solar System

Now, there are two ways you look at it: When you look at it from people who believe in money, the thing is not so understandable. If you look at it in terms of *physical economy*, and you look at the *loss of basic economic infrastructure*, the loss of vital high-technology industries, the failure to proceed with nuclear power, as the *only* power worth pushing; the failure to develop thermonuclear power, as what was already *needed*, as the successor to nuclear power. Without thermonuclear power, such as fusion, involving the helium-3 isotope, we could not transport human beings, from the vicinity of Earth to Mars, safely. We can transmit *things*, and things that move and are controlled electronically, through the cosmic radiation in between Earth and Mars orbit. But you can not put human beings there.

So therefore, we have come to a point, where it's on our horizon—for what part of this century I don't know—but it's on our horizon, that we are headed for a technology within the Solar System, where man will become a creature of the Solar System, not merely bound by the surface of the Earth. That time is coming. To meet the requirements, to meet the raw materials requirements, the development of the technology which

is needed, to continue *to sustain life on this planet*, we have to move in that positive direction.

Now, what can we do that for? Well, I have defined the issue, as being one of basic economic infrastructure. And I have picked on something which was planned, as a result of the success of the United States in the Tennessee Valley Authority.

And at the close of the war, of World War II, a certain corporation, that specialized in engineering, spearheaded a plan, which is called the North American Water and Power Alliance [NAWAPA]. And this was a plan to take the area, which is now pretty much barren land, in a sense, partly desert, from the 20-inch rainfall line, westward, in the United States, to the mountain coasts, of the Pacific, and going from Alaska, through the relevant parts of Canada, down through that entire area of the United States, and into northern Mexico.

This operation will work. The Parsons plan operation will work. It's not the most up-to-date version of what will work, but it still remains, to this day, in terms of plans and details and so forth, a very useful—maybe some corrections and improvements can be added, but it's a useful plan, which we can put *shovels into the ground for, the minute we adopt it!*

We have tens of thousands, and more, of skilled scientists, or scientifically trained people, in places like California, and in places like the state of Washington, where we have people, who have valuable skills, who have no prospect of continued employment, especially with shutdown of NASA, under this crazy President. We have hundreds of thousands of people, in these areas of the western United States, who are skilled construction workers, who have no employment, and no prospect of employment, over times to come. With this project, *we can put shovels in the ground, right now*, if the credit were available to do so.

And the people who have the skills *are there*, or nearby! And they have no present employment. The construction workers, who live within the same territory inside the United States, in which this project must go forward, are there, with no prospect of employment. We have the immediate prospect of millions of people, of scientific and related construction skills, and other skills, who are *ready, now*, to put *shovels into the earth*, to get this project going.

This would mean a complete turnaround from an economy which is now headed toward doom, and *we are headed toward doom!* Under this President, and his policies, and out of his commitment, *the United States is now doomed,* at some early time! If we eliminate that, if we pass the Glass-Steagall Act, again, which was introduced by Franklin Roosevelt in 1933, if we cancel, therefore, the wasteful gambling and bailing out on gambling debts, we have the capital.

Under the American System, under our Constitutional system, we can then launch the credit—not the money, the credit! Under our credit system, which is our Constitutional system, we could put *shovels into the ground*, as early as October, if this guy is dumped now, when 80% of the American population *hates his guts*, for what he has done! We could turn the thing around. Kick his crew out! We've got a Federal government there, with people in it, who are perfectly capable of doing this job. All they need is the right policy, and the right leadership, and they can carry it out.

If we do that, then we are looking at a new world. Because, it doesn't stop there, in North America. We have the Darien Gap down there, and if we put a transportation link through that, we go all the way down to the tip of South America. And all these nations will begin to benefit from a new kind of opportunity, that presently does not exist.

The Bering Strait railway tunnel, leading from Alaska into Russia, opens up the entirety of the major parts of the planet! The Americas, Eurasia, and Africa, are opened through the extension of infrastructure projects, great infrastructure projects: Transportation, power production, water management!

And these have special scientific implications, because, for example: Let's take the case of NAWAPA, because it is typical of the problems of the world. It's typical of a problem of *China*, which has very specific problems of this similar type. It is true for *India*, which has a very large population, which is very poor, and faces the consequences of a lack of nuclear power, to correct their problems; and the fact that whole areas are not developed in terms of the poor population. And this can only be accomplished with thorium nuclear reactions, as a supplement, to create the infrastructure, where Indians can be brought up to the level they would wish to be brought up to; that China can; that other nations can.

We go into Africa! Why don't we have railroads into Africa? Modern railroads, magnetic levitation systems, into Africa? You can not do anything for Africa, without this infrastructure! You need mass transportation and power! Without that infrastructure, based on mass transportation and power, you can not do anything for

NASA

*Why don't we have railroads into Africa? Modern railroads, maglev systems. You can not do anything for Africa, without this infrastructure! You need mass transportation and power! You will still see from satellites, looking down, a barren area, in most of Africa: no lights at night! Shown: a nighttime satellite image of the African continent; the Shangai maglev, leaving Pudong International Airport.*

Africa. You will still see, from the sky, from the satellites, looking down, you will still see a barren area, in most of Africa: no lights at night! And looking down from the skies, to the territory, and seeing how much light there is, at night, with those territories, is an indication of the *possibility* of economic development. And that is where we stand today.

So, that is our crisis.

## NAWAPA: A Declaration of Principle

I am now, presently, pushing heavily, this understanding of the implications of NAWAPA, not only as something for the United States, Canada, and Mexico, but as a declaration of principle, that will reform the international monetary-financial system: Eliminate this parasitism, which is centered on the Inter-Alpha Group, a group of banks, which, with their affiliations, controls 70% of the world's financial capital—most of it fake, by the way, but it's the power! The Inter-Alpha Group, founded in 1971. Founded, coincidentally with the shutting down of the fixed-exchange-rate system of Franklin Roosevelt.

And since that time, we are going downhill.

We went downhill when Kennedy was killed, because Kennedy was opposing going into the Indo-China War. Gen. Douglas MacArthur was his advocate, in this case: And they laid down a principle: *No extended land war for U.S. forces in Asia!* You saw what happened to the Soviet Union in Afghanistan, as a result of the same kind of error: going into long land wars in Asia, rather than solving the problems of Asia.

So, today, the question is: We need nuclear power. Without emphasis on nuclear power, thermonuclear fusion, and related technologies, we can not overcome the fact that we are depleting, currently, the richest concentration of resources needed on the planet. With going to higher energy-flux-density power, we are able to transform the power to produce, such that we can more than achieve, what we had achieved previously, because we have a higher degree of power.

We have, also, a scientific potential in this NAWAPA project, itself, which we are working on now, and we will be publicizing this in the coming period in detail.

If you take the water, which is flowing from Alaska and Canada, into the northern Pacific, freshwater—now the Pacific does not need that freshwater. We take that same freshwater, and we run it down through the NAWAPA project as a channel: We run it down, from Alaska, through Canada, through the United States,

into Mexico, along this channel, which is the Parsons project design, the North American Water and Power Alliance.

On that basis, what happens? When you put green, in the form of trees, chlorophyll: Remember, when you put leafy vegetables in, to supplement that, grasses—1-2% of the solar radiation is absorbed by the plants; with trees, up to 10% is absorbed by the trees. Leafy vegetables are more efficient in terms of the economy of energy and power, than are grasses, such as wheat.

So therefore, under these conditions, you assimilate this water, which you have now brought down through this NAWAPA chain, this water evaporates from plant-life! It causes, to the east of that area, the Central Plains area, it creates *rainfall*. And rainfall, if it goes into plants, especially efficient plants—leafy vegetables, or similar kinds of things, trees—then you have a secondary rainfall, coming out of the first by-product. And another.

FIGURE 1
**NAWAPA**


LPAC

*NAWAPA, as a declaration of principle, will reform the international monetary-financial system: First, get Obama out; second, bring back Glass-Steagall; then, implement NAWAPA, as a basis for agreements among nations, for a new international credit system.*

So, the same water is now not only supplying water to be delivered to a point of consumption. You are now creating a system, a living system, which gives you *a multiple use* of the same water, as if it had been the original water.

What you do, is, you destroy all the solar collectors! The solar collectors have a *negative* energy effect. They are a crime against humanity. You destroy a territory that could become fruitful under the influence of chlorophyll. And you want chlorophyll, because chlorophyll is the key. There are other things in the oceans that have a similar function, but chlorophyll is key for turning a desert into a real land!

The ability of mankind to get over these ages of periodic deserts, where whole civilizations were destroyed by desertification: The time has come, that *man* must take responsibility, for assisting nature and guiding it, to effects which nature can provide. And it is *life* that we promote.

Windmills—get rid of them! Solar collectors—get rid of them! They are negative! They are a waste of money, they are a waste in every other way. Get on to high technology. Get on to new kinds of high-speed transportation systems. Get away from the dependency on long-distance use of automobiles every day, which takes hours out of the life of each person who is working every day—unnecessary losses. And we have a future.

## Time Is Running Out

And so, therefore, you look, then, again, finally, on the question of this Nixon example: What kind of a President *was* President Nixon? That Henry Kissinger could intimidate him into shutting up, on a matter which was of great pain, to that President's conscience? Who was President? Was the President actually Nixon? Or was the President, Henry Kissinger? Or a bunch of people, a committee, that ran Henry Kissinger? Maybe the British Queen, who had a great influence and control over Henry Kissinger? She made him an honorary this and an honorary that.

The question is: Who was running the country? What did the American people have? They believed that Nixon was their President. Who was the President, then? Was it a committee? Was it Henry Kissinger, or a

committee that ran Henry Kissinger? Who was the President of Carter?

What was our subsequent President doing? He had good sides, and he also had a program, imposed upon him by virtue of a committee. What happened under George H.W. Bush, a complete catastrophe, a failure? He's exceeded in the capacity for failure by his son, who had served two terms, of failure.

And thus, we have come to a time when the American people will no longer tolerate this. They are already angry. Eighty percent of the population hates what this present Administration represents. And probably you could get 90%, on a good day, of objections.

So the time has come, where the function of leadership, political leadership, both in nations and among nations is now crucial. My view is, only if you can create a unity, of a sense of common interest, and common purpose, among some leading nations, which, in the eyes of other nations, are a power on this planet—with that cooperation, that honest cooperation among these nations, can give us, now, with the aid of science, the aid of scientific technologies we already have, and those we are on the verge of developing, a general solution.

And I know, that if we put together an operation such as NAWAPA, and supplement it with other means, which are obvious, that we can turn around the net rate of productivity in the United States, overnight.

Through Glass-Steagall, we can eliminate the waste which is crushing us, in international financial markets. With adequate energy programs, and international cooperation, we can transform the planet to a rate of growth. If we have established, then, a rate of growth, then in that case, we could win the confidence of a people which sees growth is coming back. We can hold the system politically, and they will give us credit. They will give us the promise of credit, credit uttered by governments, uttered under a fixed-exchange-rate system, to enable international investments in these kinds of credit systems. We can save humanity.

*But the time is running out.* These are not things for the distant future. The benefits are for the distant future, and even for the immediate future. But we are at a breaking point, now, and in the coming weeks.

What I am doing now: We are pushing this NAWAPA project, which not only is an *essential, indispensable part*, because it is one that's *designed* already! It's one for which the skilled labor *exists*, in the relevant places! It's one where the scientific knowledge that's needed, *exists*, but is presently unemployed, in the right places, places like NASA, which this President is trying to kill! And we can succeed!

There are similar capabilities in Europe. There are pregnant abilities *still left*, in Germany! Despite what happened under Mitterrand, Thatcher, and Bush. There's *still* potential there, despite the way the country has been ruined. There is *still* potential *inherent* in Russia. There is still great potential, despite the recent setbacks, in China. There is still potential in India. There is still the potential for developing Africa, through large-scale infrastructure projects, by integrating the major territories of the planet, among respectively sovereign nations, into a system of cooperation, where we *think about what the future is going to bring us, as the fruits of our current policy.*

That will be a big change, won't it? Many of us share the hope that this could be realized. People who are serious, generally think in that direction.

## Dialogue with LaRouche

**Freeman:** We have representatives here from the same group as we had last time, from the relevant nations of the Four-Power agreement, along with some others. It is, though, a much larger group than we had back in April.

So, with that introduction, the first set of questions regard what you have identified as a "breaking point" in the economic and financial situation, particularly in this interval through September. And while a number of people here have said that they, by utilizing the Triple Curve Function, understand very clearly, that we have run out of options, as the monetary curve has now overtaken any last remnant of the physical curve, what is being asked—and rather than entertaining each question individually, I will just pose it in the most general terms:

Mr. LaRouche, why, specifically, have you escalated your forecast of the breaking point, as being this crucial interval? What is it that has changed? Specifically, is it related to recent developments around the euro crisis, and the situation in Europe, or is it a more generic issue?

**LaRouche:** Well, first of all, on that kind of question, I have not changed my estimate, as such, as to the


*The American people have become more and more angry at the President and the Democratic Party leadership: Their anger is driven by the worsening of their conditions of life, and by the insults thrown at them by the Administration. Shown: a "Tea Party" protest in Washington, D.C., in September 2009.*

issues of what forecasting requires. What has happened is, the problem has become worse, simply because the remedy has not been advanced. You know, you have got a patient, and the doctor comes in and says, "You're sick," and leaves. And the doctor has given them valuable information, "You are sick." Then the doctor comes back, being called in, a month or so later, "Oh, you're much sicker than the last time I saw you," and then leaves, having given them this valuable information.

And the third time, "Well, you are going to have to change your habits," the doctor says, "otherwise you're not going to make it." And I have said that a number of times, on a number of occasions.

Then you come to the point, and say, "Okay, look, buddy, I've got to give you some bad news: Unless you change your ways, suddenly, right now, you're doomed. You're as good as dead, unless you want to immediately change your ways, right now."

Radical measures are now come, and that's where we are now. Because you have to look at the political situation, and two sides to it: First of all, the hatred of the Obama Administration among the American people has increased. Now, the American people are funny. Because most of them are not habituated to asking the opinion of the experts, you know, questioning the experts. And they say, "Please give us some hope. Can't you do something for us?" And so forth. Then, they have got to the point they realize: "Wait a minute. This is the wrong question: How do I replace you?"—they say to the physician, or the would-be physician. And that is where we are!

Look at the roster, the passage of legislation and the non-passage of legislation, inside the proceedings: You look at what the Obama Administration has done, with dictatorial measures! These are not lawful measures! Obama has committed a crime many times over, which would justify his impeachment! And would *demand* his impeachment, in point of fact! When you consider the impact of what Obama has done, of this kind of thing, and the railroading which is done, the terroristic methods which are used.

For example, you've got to look seriously: We have a systemic attack, from an FBI-related institution, which took over a function in the House of Representatives, with the consent of Nancy Pelosi, the Speaker of the House. This institution is conducting racist opera-

tions against the black population, those parts which do not roll over, when demanded!

Leading figures, who are part of the history of the best part of the Democratic Party, for example, are being lynched, by the Democratic Party! And the lynching is fraudulent. The lynching is directed and supported by the leadership of the Democratic Party! So the people in the Democratic Party who had the guts to stand up, and still represent what the Democratic Party had represented, say, three or four years ago, still, or 2004-2005—they are discouraged.

But the people have become more and more angry. Not angry because it's an arbitrary anger. They are more and more angry, because the grievance is greater. Their anger is driven by the worsening of the grievance. Their anger is driven by the *insults* thrown at them by the Administration. The anger is increased by the fact that the people they themselves had voted for, and elected, are now their worst enemies! They are starving them! They're killing them! They are taking away their health care, they're taking away their education, they are taking away their hope of the future, they're foreclosing on their homes! All because of the policy behind, and controlling, this present Administration!

Now, we have come to the point, what has happened through all this stuff: All those who had followed these policies, are *criminal, in effects of their negligence!* They have passed legislation which is criminal in its effects, inhuman, contrary to the very intention of our Constitution! They are not *fit* to occupy high elected office, or other high office.

And the people still do not know the solution. They say, "Doctor! Get me a new doctor! You are killing me! Get me a new doctor!"

And this is politics. The doctor has to give a political solution. The physical solution, I can give you all day—it's obvious what the physical solution is. We have to go back to an energy-flux-density *dense* economy! We have to go back to an infrastructure-based economy, not a so-called "project-based" economy, not a "jobs-based" economy. A *work*-based economy, not a job-based economy! An opportunity to do something useful! Or to contribute to the process of people who *are* useful.

So, we have come to the point that I can tell you, at the present rate of hyperinflation, built into the present monetary system, in which you're getting from Washington, you're getting it from New York, same thing: What have we got? You had a hyperinflationary explosion of financial derivatives, in various species. The ratio in total money in circulation, of nominal money, nominal credit, claimed by banking institutions, and the actual money, which is actually *flowing through* the economy as part of the productive process, is collapsing.

What do you do then?

If you try to interpret monetary movements, you will come up with the wrong answer, the wrong estimation. People say, "We need *money*!" And they give them money. The money is worthless, because, in consumption or investment, it doesn't give anything to the society! The industries are going. The infrastructure is collapsing. The food supply is collapsing. Because you want to allow these guys to make money as parasites, and the parasites' appetite is growing—and the feeding of the people, is shrinking!

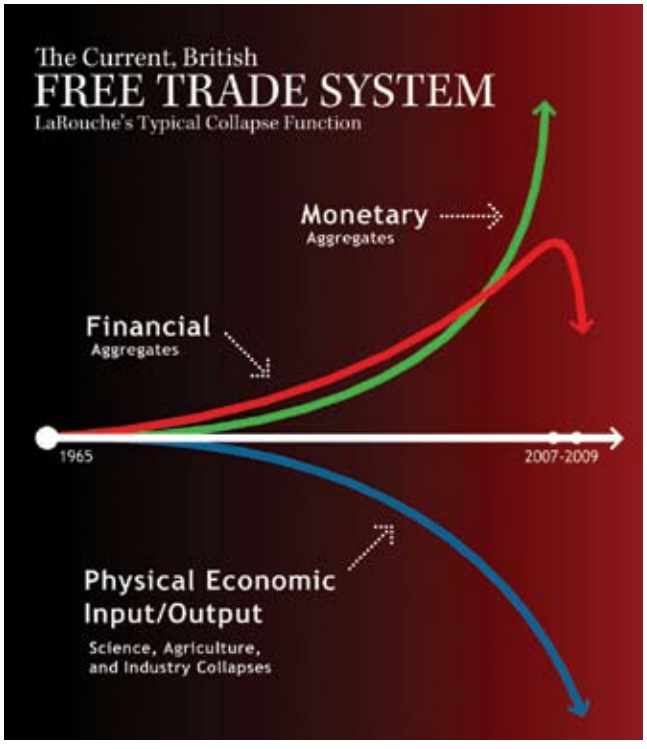
And we are now at a point, which is actually what is called a *breakdown point in economy*: If we do not stop this, if we do not shut down the European Union, which is actually, potentially a minor factor here. The real factor is the United States, Russia, China, and India, and nations which are closely associated; like South Korea for example, is a very important nation for us, in any cooperation among the United States, Russia, China, and India. A similar thing in Japan: Japan has a very significant potential, to contribute to this process. So, if you bring this group of nations together, around leading the world in launching a recovery, other nations on the planet will follow, and join.

We need a leading group of nations, as *sovereign states*, not some part of empire, but sovereign nations, which have a sovereign national interest, expressed and understood by their people, that they are going to *do* this, because they know it's right for them, and right for the world. We must have that change now.

President Obama *is* the problem, but we have to understand that he is not the biggest problem in the world; the British Empire is. And the British Empire is not the people of the United Kingdom. It's what is represented by this banking group organized by Lord Rothschild in 1971, the Inter-Alpha Group: That is the greatest bloodsucking parasite on this planet, right now! It's the vehicle of all bloodsuckers. *Shut it down!*

How do you shut it down? Pass the Glass-Steagall Act in the United States, again. Once the Glass-Steagall Act is done, and other nations get wise to do the same thing, and join the United States in a fixed-exchange-rate system, based on this Glass-Steagall system, we

FIGURE 1




are on the road to recovery! And the road to recovery means walking the road, which is large-scale infrastructure projects, which are the drivers of the power, progress, and the drivers of employment in industry and agriculture. The infrastructure projects of the type which NAWAPA typifies, exemplify, together with the idea of fusion power, thermonuclear fusion, and continuation of nuclear power, this exemplifies the infrastructural factor, which can drive a recovery of the world economy.

And now is the time to do it.

**Freeman:** Lyn, just on follow-up: Two questioners, in particular, wanted to make sure that they are clear, and that others here are clear. Because, what they said is, if you use the Triple Curve as your framework, that, if you look at the total amount of money that is presumably in circulation, that the percentage of that money that has any correspondence to physical reality, has plummeted to the point that it's almost zero. Whereas, the other aspects of the curve, what they are referring to as "the other money," is just increasing exponentially.

But, the real question, and the follow-up question that is being put on the table for you, and which we would like you to talk about a little bit, is that the crisis is *not* fluctuations in the euro or in the market, per se. That, in fact, even though this situation is dramatic, that the crisis is actually defined by physical production per capita. And that it is *that*, that has collapsed: that we have reached a point, where the physical capital, the physical capability that we have accumulated, essentially since the Roosevelt Administration, and which was enhanced during the Kennedy Administration, has not only run out, but that it has actually, in some cases, been consciously destroyed and dismantled. And that that is what is bringing the crisis—that the crisis is not monetary per se, but it's defined differently.

And the reason why, I think, we need clarification on that, is that it also relates to what has been a very animated discussion that started last week, and that has continued this morning: Which is the question of what, really is, legitimately, infrastructure? But we can get to that after you address this, if you would.

**LaRouche:** The question is, what is legitimately money? I would say that all the money which does not correspond to a Glass-Steagall standard of credit, is worthless. All you need to do, is enact the Glass-Steagall law, and couple that with a fixed-exchange-rate agreement, presently fixed, among nations which agree to that reform.

Now, suddenly what you are going to do, is wipe out most of the money that is currently purportedly in circulation. You are going to shut down most of the banking and related institutions in New York City, and similar places around the world.

This is really a revolution. And if you do not make the revolution, no survival.

Now, if you want a revolution that works, one that does not require bloodshed, then you simply do a Glass-Steagall Act. And you say that, if there is debt outstanding, which is not based on the equivalent of a Glass-Steagall standard, of mercantile banking, then that debt is gambling money. It's Monopoly gameboard money, and we don't count it in currency any more. It's not real! We cancel it!

Now: Here is where the fun comes. If you do that, what happens to the financial power of Wall Street? Or London? What happens in various parts of the world? Parasites of the world unite! You have nothing to lose but your brains! That is the issue! That is why the British will not allow the United States government to put through a Glass-Steagall reform. And we know that the British Empire has given the order: The United States

will not pass Glass-Steagall! And when the British Empire speaks, the current President of the United States whimpers, and then goes out and barks.

So that is the issue, that's the fighting issue. You are talking about toppling the greatest concentrations of nominal financial power, existing on this planet today! You are taking Lord Rothschild's created system, the Inter-Alpha Group and its auxiliaries, which represent *70%*, approximately, of the entire financial power of the banking system of the world, and you are wiping it out with one stroke! Santander—*whppk!* gone! Because it's not worth anything, anyway. You go through other members of the group—they are not worth anything! They have no real value to humanity! They don't *do* anything that's of value! They're bloodsuckers, they're parasites.

This is much worse than the bubbles of the early 18th Century. This is a gigantic bubble!

*Imperial power is based on keeping the people so stupid and brutalized, that they are unable to resist. Is there any difference between the British Empire's World Wildlife Fund, which is committed to global population reduction, and the Roman Empire's mass murder in the Colosseum? Shown: the Colosseum in Rome.*

The peculiarity of the bubble, is—first look at it, at the way the bubble was created; it's exactly what the British did, as the typical leading power of the Versailles powers, to Germany. They created the system, Britain and France in particular, on Germany. Now, the attack on Germany in that period, in the 1920s, focussed on the borders of Germany. So the full force of the weight of this worthless money, which is associated with financing World War I, the full weight of that was thrown onto Germany. And then, when the French occupied the Ruhr, which meant a shutting down of a margin of German industry, which the foolish and frightened German government was using to try to defend itself, then you had the Summer through Autumn [1923] hyperinflationary explosion. And it hit Germany. But it hit Germany alone.

Now, what we have done, for example: The looting of the former Soviet Union was done by whom? It was done by British orders. Who were the British lackeys? Well, François Mitterrand, whom I always regarded—he's called a Socialist, but I always considered him a fascist. Because he belonged to this kind of thing, with a certain [Vichy] government, interim government in France, under German occupation.

And George H.W. Bush is an idiot, a greedy, little idiot, whose father, personally, put Hitler into power in Germany! On behalf of the British! And Mrs. Thatcher, well, she's British.

So you have these three, this group of powers, agreeing in 1989-1990, on the way they were going to destroy the nations of what had been the Soviet Union. And they were going to set up a system called the "euro system," which would destroy all Europe, in favor of the British Empire; a "reform" so-called, which is now being carried out under the presently incumbent United Kingdom government—which is somewhat confused on what it's going to do, but its intention is malicious.

The driving force behind this, to understand it, is the World Wildlife Fund of Prince Philip and his former crony, veteran of the Nazi SS, who was Prince Bernhard. And they set up the World Wildlife Fund. What is the World Wildlife Fund? Stop technology, lower the level of productivity and intelligence of the population. Reduce the world's population to less than 2 billion people—and that's *still* their objective! Two billion people; we've got 6.7 to 6.8 now. They want to reduce it to 2 billion!

Why? Go back to the ancient Greek history. Go back to the story of the Olympian attack on Prometheus: the same thing. Keep the mass of the people so stupid, and brutalized, that they're not capable of resisting imperial power!

That was the Roman Empire! Look at the genocide perpetrated by the Roman Empire, systematic genocide against entire peoples. Look at the history of empire. The Byzantine Empire did the same thing! The Austrian Habsburg Empire did the same thing, and it's still doing it, with its remnants today.

So the question is, what?

You know, we use up raw materials, and we don't really use them up, because they still remain in the planet Earth, generally; we have not been exporting materials outside the planet Earth. But we go at, first, the most highly concentrated sources of materials, which are therefore, the richest sources. And when we use them, we tend to dissipate them. We don't lose the mineral. It's still in the table; it's still there. But we've depleted its concentration. And therefore, in order to make up for the fact, that we are using up what is available to us, as the richest, most accessible concentrations of materials, we have to compensate. For what? By increasing the energy-flux density of our technology. That has been the history of the human race, in all known progress: an increase in the modes of production.

We went from systems where the dominant systems were oceanic systems, maritime systems. We supplemented this, as under Charlemagne, by bringing in riparian systems as a supplement. We followed up riparian systems, by building up railway systems, which are much more efficient than riparian systems, in moving high-density freight. We will go, now, to the same thing on a global basis, with maglev; international maglev will replace much of the ocean freight, because it is more efficient.

And so therefore, in order to survive, at a constant rate, we must have a constant rate of increase of our level of technology, and our ingenuity of using it.

And what has happened is, since the end of the war, there was a complete change in world policy, with the death of Franklin Roosevelt. Truman was a Wall Street man. He was well known as a Wall Street man. And he was a crony, and a lackey of Winston Churchill.

The United States had been committed to ending imperialism throughout the world, as an outcome of the war. And Roosevelt had told Churchill, repeatedly, "Winston! When this war is over, there is not going to be any more imperialism! We are going to change it; we are going to free those people. We are going to help them to develop their countries. We are not going to have your system any more, your British Empire system."

But what happened is, we went back to an Americanized version of the British system under British direction. Then, the British got us to kill, in a sense, kill Kennedy; and Kennedy was fighting the British thing, under the influence of Eleanor Roosevelt, who was one of his key advisors, on policy. And Kennedy went to do what? To defend the steel industry, to prevent them from *taking down* our high-technology industry. He put the space program into motion. And he sought to avoid long wars in Asia, the use of models of the Seven Years War, all over again, to destroy foolish nations, like the foolish Napoleon, who destroyed Europe for the British Empire, and then was made ridiculous, and then was enshrined in a tomb in Paris. But he was the one who created the power of the British Empire, by destroying all of Europe, in a perpetual series of wars, the Napoleonic Wars, as a *stooge* of the British Empire.

And the same thing goes on again today. World War II, the same kind of thing. The wars that preceded that, where the British made the alliance with Japan to destroy China, Russia, and Korea. And it continued, this process: long wars.

What we need to understand is, we have to increase the energy-flux density, and the science-intensity of production, *even to stand still*. Therefore, the money that is not reflected—the increase of money, in circulation, which is not reflected by an increase in productivity by this standard, that is, *a rising standard of cost*, a rising standard of physical cost, as measured in energy-flux terms. If you don't meet that standard, you are headed for decay. And the United States and Europe have been in a process of decay.

And once the collapse of the Soviet Union occurred, then they went hell-bent to destroy the entire planet. And it was the agreement, pushed through by Mitterrand, Thatcher, and George H.W. Bush—that agreement, the successor to the Versailles agreement, which has been the greatest factor in destroying the world economy up to this point.

So, once we understand that, we say, okay. Then, the people who founded the Massachusetts Bay Colony were right, before the Charter was cancelled by the British. Franklin Roosevelt was right; the Americans were right! The Europeans were wrong! The Europeans would not get rid of their oligarchical system; that's what made them vulnerable. And the only real difference, is, most of the Americans were Europeans, who came into the United States, from Europe. We now have people from other parts of the world, but that was the pattern: We were Europeans, who rejected the European *imperialism*, which was dominated by the British, British imperialism.

And the difference has been, we want a credit system, *not* a monetary system. The idea that money represents value, intrinsic value, is the big error. Money

does not represent intrinsic value. Money can never represent anything more—because it is not physical. You can't eat it, you can't cook it. You can't breathe it. It's worthless! It's only a system of credit, by which sovereign nations, or the equivalent of nations, control and moderate trade and investment. But the trade and investment is not in money. The trade and investment is in productive powers of labor, and the products of the productive powers of labor, the products of the human mind. It's all physical, it's biological.

And it is this myth, that money is value, or that money has an intrinsic value, is what the problem is. The American System, the American Constitutional system, the Hamiltonian conception of the system, does not treat money as anything more than credit. And what I am saying is, we have to establish a credit system, and eliminate the present world monetary system. It will be the credit established by the will of sovereign nation-states, a system of credit which will be organized by a fixed-exchange-rate system, to ensure stability: a stable relationship between today's investments and tomorrow's harvests. And we get that clear.

And the big problem that people talk about: They say, "How can we compromise with Wall Street? How can we reform Wall Street?" I say, "I don't want to reform Wall Street. I've looked at Wall Street for a long time: I want to eliminate it. And I want to get back to a Federal system in the United States, a Federal credit system, as Hamilton had intended: A national banking system, which is separate from government, but which cooperates with government, in maintaining a credit system, for its stability. And it was always tied, as Hamilton laid out in his *On the Subject of Manufactures*: It is always based on developing infrastructure. And developing infrastructure in a direction which corresponds to the great elements of production.

Today, I think, the best way to understand economy, and the *only* way to understand economy under the kinds of conditions we have today, both the physical technological conditions, and the present world conditions, is, you have to look at the world, and economy, from the standpoint of the great achievements of Vladimir Vernadsky. That branch, that outcome of the great movement in physical chemistry, as opposed to monetarism, and the kind of things we had in France and other countries, under the influence of people like Bertrand Russell, that real bum—get rid of monetarism. And understand, that what we are doing, is, we are using a credit system, which involves the use of money, as an expression of credit, in order to foster the kinds of cooperation among different sovereignties and individual sovereignties, individual nations of sovereignties, individual persons of sovereignties, which enable these sovereignties to cooperate to a common purpose, which is called national intention, or regional intention. And to have a fixed-exchange-rate system, which is free of speculation, which turns money into a disease.

But, see, that is the problem. If you want to do what will save the world today—as you have said, money is almost worthless. You have to eliminate that worthless margin in money. You have to eliminate the concept of money, which engenders that error.

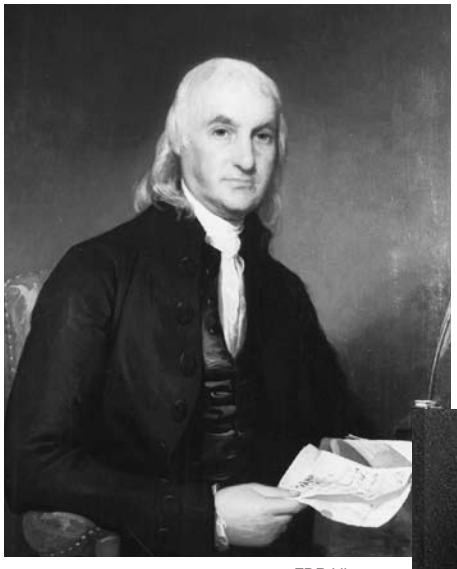
All we have to do, in the United States, all we have to do, is go back to the intent of our Constitution. It's all there! It's there in the first Administration. It's there, implicitly, in the Declaration of Independence. But, especially, when we created the Federal union, among these colonies, which became states in the Federal system of the national states, and the influence of that success by us, on European nations and other nations, where people copied aspects of what we had achieved.

As in the case of Bismarck: After looking at the results of the 1876 Centennial celebration in Philadelphia, Germany and Russia and other countries looked at the American model, as identified by the achievements under Lincoln and what followed, and looked at that as the model. And then, the British Empire, which is a maritime power, moved in, and said: "The railroads, the transcontinental railroads are too much." Because the transcontinental railroads will eliminate the power of the British Empire, to use maritime power to control the planet.

*And that's why they started World War I, and World War II.* Because the continent of Europe was getting too powerful, by imitating the model of the United States' success, over the period under Lincoln and his followers in 1876. *That is why the war was started!*

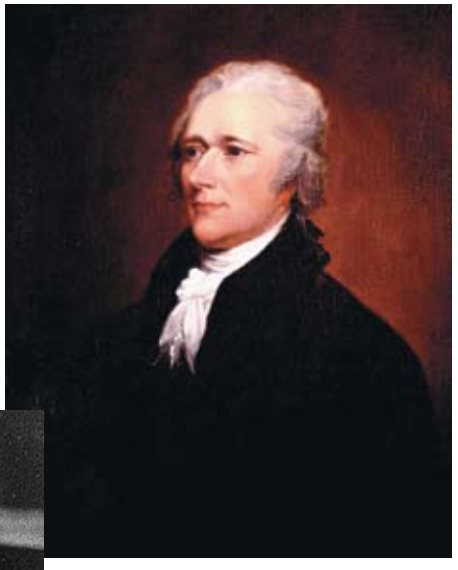
And everything that was done, all the wars we are dealing with now: the British running of the Sykes-Picot region of the Middle East, is part of it! And *these* are the political issues, the hot political issues, which you have to face, when you try to make a reform in economy. Because you run up against the greatest political power on this planet today, a monetary parasite. And you say, "How can you compromise in terms that this monetary parasite will put up with?"

And I know, from my experience, exactly what this story is. And that is the thing you have to take up.



FDR Library

*Franklin Roosevelt was the 20th Century's leading anti-imperial statesman, as Winston Churchill discovered to his dismay; FDR's American System commitment harkened back to his Revolutinary War ancestor Isaac Roosevelt (left), a collaborator of Founding Father Alexander Hamilton (right), in establishing the First National Bank. (Isaac Roosevelt portrait by Gilbert Stuart; Hamilton portrait by John Trumbull.)*



National Archives

You can not talk about "reforming" the monetary system! *You have to destroy it!* And how do you destroy it? You have to transform it into a credit system. How do you do that? With two measures: Glass-Steagall, as a universal principle: mercantile banking only. And anybody who wants to do something else, they are on their own risk. The U.S. government will not take any responsibility for the risk of Wall Street gamblers! We will defend only the credit which is essential to our nation, and which is maintained as a credit system. And we recommend to Europe that they do the same thing.

Get rid of the monetarist system! Eliminate it from this planet! Or, at least the leading nations of this planet. And then, those nations that survive will set the pace that others will imitate.

**Freeman:** Before we go on to some of the questions around infrastructure and NAWAPA, and the implications of that, with regard to what you just went through, we have two questions. One is from the Russian delegation, and the other is from the Chinese delegation. And I want to give you the opportunity to address their concerns, before we move on.

First, from Russia: He says, "Mr. LaRouche, before you came on the air, we had some proceedings this morning and we spent more than an hour, going through the question of a credit system versus a monetary system. And some of your American colleagues have insisted that the American System, as they call it, is not based on money, that it's based on credit, and that money, rightfully—and if I am misrepresenting what they said, they can say something about it—but what they were arguing, is that, money is only relevant as an instrument of credit.

"Now, unless America has some totally different system and origin from everyone else in the world, I don't understand this. We have been, we have always been told—and when I say 'we,' I mean, not only my nation, but many other nations, I believe including yours—that when we wish to do something, when we wish to pursue a project, whatever, what happens is, the first question that comes up, is: 'Well, to do that, you need money.' And this certainly was something that Russia was posed with, with the fall of Communism. But then, what was said to us, well, what is said, is: 'Well, you need this money. You need money to do what you want to do, and in order to get that money, you have to lick our boots.'

"But now, our American colleagues are saying, 'Oh, well, money is irrelevant; it's only relevant as an instru-

ment of credit.' And I would argue that quite the contrary is true: that money is an instrument of power. And we have certainly felt that very sharply in Russia; but really, we have little to complain about, when we consider how money, as an instrument of power, has been used in the developing sector, and most obviously as it has been used in Africa.

"So, what is it that we are missing here? Is it really the case, that there is some secret history of the United States, that is so different?"

**LaRouche:** No, it is not a secret history. It is an, unfortunately, unknown history, because of who owns our press. You have the hatred of Franklin Roosevelt, against Franklin Roosevelt, in the 1930s and in the 1940s, the hatred of Franklin Roosevelt by Wall Street! And the question is, who is controlling: For example, when we founded our nation, our nation was always a credit system, by our Constitution. But was our Constitution observed? What happened? Andrew Jackson was a pig. He was a British agent; he was corrupt as hell! But some think he is an American hero. The Democratic Party has Andrew Jackson, officially, as one of its heroes! Bunk! He was a pig! He was a Wall Street-owned pig! Who had been trained by—not by Benedict Arnold, but trained by others who were traitors to the United States.

The point is, the production of wealth is the goal. And the nation's currency must not be jeopardized by Wall Street or London! And the problem is, that Roosevelt would have destroyed this, and that is why they were happy to get rid of him. Because Roosevelt, had he lived, would have carried through, as he intended throughout his Presidency, would have carried out the intention of his great ancestor Isaac Roosevelt: The Bank of New York was founded by him. He was an ally of Alexander Hamilton. Lincoln represented the same policy. Henry Carey, the great economist, represented the same policy.

But, we were always threatened by the British Empire. The British Empire ruled the world! Now, people have an illusion about this, and the common thing that is taught by historians, is that the people of the United Kingdom are somehow the British Empire. They are not! The British members of the United Kingdom, are to a large degree stupefied, by the fact that they are under a tyranny called the British Empire, especially, ever since the Seven Years War, when the British East India Company became a world empire! The British system is a world empire! And the only effective challenger of the British system, in recent times, has been the United States.

But the United States was weakened; it was weakened by the French Revolution and the Napoleonic Wars. And because Lafayette made a mistake, when he might have acted, except he was too soft on his King, and his King had become corrupted, because of the case of the Queen's Necklace—which had been a British intelligence operation, by the way!

And so, the problem is, the reason we have a real problem in the world, a consistent pattern, and you can demonstrate this by all kinds of economic history: What happened to the Soviet Union? It was broken up on what? It was broken up as a British plot. I happen to know that President Mitterrand of France was a British agent. How do I know that? Some of the people I knew at high levels in Britain told me that. How did I confirm that? I knew the Gaullist system, I knew the French system; I knew what François Mitterrand really was.

You know, being a veteran of the World War II period, you think back to what went on in France, when a fascist government connived with Hitler, or Hitler's power, to take a superior French force, with British support, and defeat it! Because of the corruption inside the French government! Which gave us a regime in France, which is known for its fascism. And we executed, or the French did, executed the man who represented that fascist agreement with Hitler. Not to turn France over to the Germans, totally, but to use a relationship, a consenting relationship with the Nazi system. Because he was a fascist!

And you had this kind of problem all the way through, because the empire has a tremendous ideological reach. How does it do that? It does that, because most of our citizens, who are honest citizens in their intention, and how they feel about people, do not really understand the world.

For example, there was only one person, in the period of the beginning of the 20th Century, who knew what imperialism was. That was Rosa Luxemburg. She gave a definition of imperialism in her book, in her writings on the subject, and which all these so-called socialists, and other writers on the subject of imperialism—they did not know what they were talking about! She did. And we had Herbert Feis, the American historian, of the State Department, who went through the history of imperialism.

Luxemburg was right! Imperialism was invented, actually, in the Caribbean system, the Atlantic system.

It was developed coming out of the fall of the Persian Empire, where the result was the development of a consolidation of power around the Cult of Delphi, not the Greeks as such, but the Cult of Delphi. And you had an imperial maritime system, in which people on islands, or otherwise fortified places, which were maritime powers, were able to dominate the trade and lifestyle among the people around the Mediterranean. And that became the system, later, of empires. It became the system of the Roman Empire, of the Byzantine Empire; then of the Habsburg Empire, and the British Empire. With the help of poor Henry VIII, who didn't know what he was doing with his sex life.

So that is the point: We have been dominated by imperialism, which is of two types. One was, in European experience, the Persian Empire, and Babylon, before that. It was a typification of empire. Then we had the Mediterranean empire, which emerged as a result of the fall of the Persian Empire. It took the form of a group of imperial systems; and then it was settled on Rome, as a simple system. And Rome dominated the entire region. Then Rome collapsed of its own intrinsic characteristics. Byzantium came up as a substitute, but not really a successful one. Then you had, about 1000 A.D., the emergence of the Venetian system, where the Venetian monetarist system managed to control the finances of the entire region, dominate it.

Then we had the Black Death, as a result of that. Then we had the emergence of the Renaissance, especially the Florentine Renaissance, which established the system on which all modern European achievements have been based, reflecting back to Dante Alighieri and so forth. But that was defeated. First by the Habsburg problem, but essentially by Venice, the Venetian problem.

Then that became unmanageable. Civilization began to move into the Atlantic. The Mediterranean was no longer a controlling factor in imperial power. So at that point, they moved the capital of imperialism, the political capital, away from Venice and similar places, and the Habsburgs, and they moved it up north, to the Anglo-Dutch region, maritime region: the Atlantic center. And London became, together with the Netherlands, the center of international imperialism, which was a form of financial imperialism, which ruled and controlled world trade as maritime trade. And that is imperialism.

We never overcame that! British imperialism is still the world imperialism system! Look at the Inter-Alpha Group! Look at the amount of financial control of the world affairs, of finance, by either the Inter-Alpha Group, or groups which are associated with it.

What is the Empire today? The Empire is the British Empire, as expressed in Lord Rothschild's creation of a new form of the British empire, in 1971: where the United States was defeated, because it got into this war in Indo-China. That destroyed us! So, now, in the weakened condition brought about by that, the British moved in, in 1971, and forced through, corruptly, under the Nixon Administration—the cancellation of the fixed-exchange-rate system.

And then went on, to wreck *everything* in the United States, on which the United States' economic success, since the time of Roosevelt and earlier, was based. They set up this floating-exchange-rate system. They set up a system of corruption beyond belief. Destroyed the infrastructural capability of the United States—we *still* are back in 1968, in terms of the level of infrastructure! Or, we are actually less today. We never reached above that point.

And so, we have been dominated by a *world imperial system*, which is what is properly called the *British* imperial system. Which is not a system of rule of the world by the people of the United Kingdom, but it's the rule of the world by an international financial power, which has a monopoly on power, to the extent that the Inter-Alpha Group today represents, together with its auxiliaries, *70% of the control of international banking*. If you want to know where the inflation is coming from, *that* is where it comes from!

And therefore, once you are clear on this, you understand that what we are proposing to do, as the American system—and it *is* the American Constitutional system—but the United States has been operating, through most of its existence, as under the thumb, with a stubborn resistance, but under the thumb of the British Empire. We were an offshoot of people who did not like the development of a British Empire, under conditions of the war of 1492 to 1648. And we came *here*—my first ancestor came here under those conditions—came *here*, to set up a system, which would preserve the best of European civilization, but would be free of the monetarist systems, the imperial systems of Europe, the oligarchical systems of Europe.

So the problem is to understand what we mean by imperialism: We mean by imperialism, oligarchism, the idea of the permanent biological rule of nations by a social class called an oligarchy. And these are the sweet people, the "beautiful people" these days, called

the oligarchy, and the others are considered the inferior people.

So we, in the United States, represent, by our Constitution, which is a specific accomplishment at various points in our history—but not every point in our history, but at various points in our history. And it is embedded in us, across generations. We represent—in a sense, what is embedded *in* us, is what landed in Massachusetts, in the 17th Century. And we keep going back to it, because some of us remember that, or some of us adopt it, and remember it.

But our interest has always been this: to eliminate imperialism. We hate it! We try to defend ourselves against it. But we have often been crushed, by British imperialism. You want to see British imperialism? Go to Boston; ask where the British East India Company people are today. Go to New York City, go to Chicago, trace out the British East India Company and its descendants, that interest: That is where the problem lies. *We finally have to crush that out of existence!* And we do that, by enforcing what is in our Constitution, which we often violate, as we are violating terribly since Roosevelt died, but especially since that action of 1971.

And we recommend that to the world. And we say, as Roosevelt said, in his intention for the post-war world: We want those nations, which have gone through the experience of these wars, to join together, as respectively sovereign nation-states, who are prepared to eliminate the last vestige of monetarist imperialism from the planet. Eliminate all colonization, and establish a system of sovereign nation-states, bound together by a fixed-exchange-rate system, and a system of credit, *not money*.

**Freeman:** The next question comes from the Chinese delegation: "Mr. LaRouche, you are probably aware of the fact that last week, one of the things that was discussed internationally was that China has emerged as the second-largest economy in the world. And we are wondering, if by the standard that you established, do you agree with this characterization, or do you believe that this characterization is simply a product of a monetarist outlook?"

**LaRouche:** No, probably partly. But generally, where opinions are formed, people are afraid of money, they are afraid of the power of money, the association with the power of money. And therefore, they tend to believe in it, because they like to believe in this power. Because it's popular: Everybody says it: Okay, you are the second-largest power in the world. How wonderful, yes.

But, that is not the point. We know that China has deep problems, and we understand the causes of these problems, at least the principal ones. First of all, China was invited, by Nixon and company, to enter into participation in a system under which they could make cheap things. Moreover, we would ship our industries over to China, and use their cheap labor, and the cheap labor of other parts of Asia, and we shut down our factories and our industries in the United States!

And the same thing was done, in a sense, with Europe. Europe has been shut, and the industrial and agricultural potential of Europe and the United States have been destroyed, since 1971!

And some of it was very deliberate. The destruction under Nixon was limited. The destruction under Carter, was *immense*! The destruction since Carter, the Carter Administration, is disgusting!

All right. So, the problem is that China, therefore, was told it had a big market, that it was cheap labor, being willing to use the cheap labor, that China could get some wonderful things, and you could have Chinese billionaires, as a sort of a fruit on the tree, to admire, but not to eat.

So therefore, the illusion was, that China was on the road to success. But they didn't look at their benefactors. They didn't look at the British Empire and its Anglo-American friends.

And therefore, what happened is, the world economy obligingly crashed. The crash of the world economy was lawful. China lost markets.

Now, China has an interior area which needs development. It has labor which works very cheaply. And the progress of China for the future, is very much in jeopardy. So I am sure that the government of China is much more concerned—what they would like to say about China as a public relations statement, is one thing; but what they feel on the inside are the facts that not everything is good! There are threatening problems in there!

So therefore, the difference is this: Let's take Russia and China, since Russia came up on this question with China. Look at the relationship between the two: Russia is a very depopulated country, but if you look at the territory, and you look at the history of Russia, and the technologies which are embedded in the institutions of Russia, you get a slightly different picture. What you have, is, Russia has, in its territory, which is very poorly populated—it has great potential in terms of natural re-

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Indian Space Research Organisation

*Russia, China, and India are the natural partners of the United States, as the core of a Four Power Alliance, to establish a new, global Glass-Steagall-based, international credit system. Russia, which is poorly populated, has vast natural resources and a highly developed scientific cadre; India and China combined have about 2.5 billion people, who are mostly poor, but both nations have tremendous potential for development. Shown: the bustling harbor at Vladivostok, in Russia's Far East (above); India's successful launch of its GSLV-FO1 rocket (right); China's atomic energy experts examine a high-temperature gas-cooled reactor, at Tsinghua University, near Beijing.*


People's Daily

sources, which are urgently needed for the benefits of people in the southern part of Asia.

Russia also has a scientific cadre, which is very competent, in knowing how to find those kinds of things; and the case of the development of the whole Trans-Siberian Railroad, was a part of this development! Russia has been, since the time of Leibniz's life, when the new Tsar came into power in that period—the development of mineralogy, in Russia, has been one of the leading developments in the world. This was closely associated with the work of Alexander von Humboldt, who was also in those territories.

So, now, the point is, China has to develop. It does not have sufficient development, to maintain what we would consider an acceptable standard of living, physically, for the Chinese population as a whole. And the chances for the future, if we do not improve the physical, sociological conditions of the population of China generally—a problem is there! Particularly, since the world market on which China largely depends today, is in the process of collapsing.

*Roosevelt said, in his intention for the post-war world: We want those nations, which have gone through the experience of these wars, to join together, as respectively sovereign nation-states, who are prepared to eliminate the last vestige of monetarist imperialism from the planet, and establish a system of sovereign nation-states, bound together by a fixed-exchange-rate system, and a system of credit, not money.*

India is a somewhat different case. China has 1.4 billion people estimated; India, 1.1. Now, look at the number of very poor people in these countries, compared with the people who would be considered reasonably well-off, by European standards, and you see we've got a problem. We have got to overcome this mass of poverty, in the interior, especially, of Asian nations. And what is most conspicuous, is this problem of poverty as it affects the largest nations, China and India. Therefore, we know that if we can not help solve this problem, which threatens China and threatens India, that we are not going to have a happy planet.

What does this mean? This means that we are going to have to, in a sense, invest in China and in India. India is in a better situation, in terms of a financial standpoint, but that means that we are going to have to have a technological revolution, globally, based on a credit system. We will, in a sense—we are going to have to crank up our high-technology potential, which is embedded in European culture, which includes Russian culture. Russia has a wasted, or depleted, great scientific potential, left over from the Soviet Union and from before the Soviet Union, as a cultural factor.

So Russia can make an essential contribution to the development of the planet. For example, the Bering Strait railway system: If we can install this system, as such, and connect it to the NAWAPA system, then we have transformed the relationships among the principal continents of the world, because we will continue this, naturally, into Africa—with *infrastructure*! What we are going to build up, is infrastructure! The infrastructure is not going to produce all the things we are going to consume: But it will produce the *means of producing* the things we will consume. Just as I indicated for the NAWAPA case.

So therefore, we have to make an investment on a global basis, a credit system, which is prepared to mobilize itself on a global basis, for international trade and investment, based on a fixed-exchange-rate system, in which we assist nations such as China and India, in increasing the capital-intensity of their rate of growth. Because, the intention must be to bring the level of the nations of the world, up to a certain standard of living, cultural standard and so forth, of living.

And, otherwise, we are borrowing problems for the future, if we do not do that.

So my view of this, is to look at it in this way: We know that we have to create a system of international credit on a fixed-exchange-rate system. Only on a fixed-exchange-rate system, at a very low borrowing cost for credit, can we do this, in countries such as China and India. But we have to do it! So therefore, we need an international system of investment, through a fixed-exchange-rate system, which enables us to utilize what we know as *science,* as a science-driver, starting basically with infrastructure, as a way of building up the productive potential of these countries. And we have to look at the *inherent* productive potential, of the average citizens of one of these countries, in each case. That is what we have to do.

So, the point is, China now needs, for its future in Asia, especially, or in the trans-Pacific area, a system, which is going to say, "Okay, here is China today. We can try to ensure that *it does not go backward*. Therefore, we have to assist China, by developing *high* technology, and utilizing those parts of the Chinese population which are capable of assimilating very high technology. They become the driver of progress inside China. We have to assist that, by helping them with

their infrastructure investments, like railway systems, high-speed railway systems; water systems, water-management systems; sanitation systems, all the things that go with this.

And also the water system—water! We have to increase the moisture-management of the planet as a whole, as we are going to do for the United States and Canada; by having a motion going from East to West, from the Pacific to the Atlantic, we are going to have to do the same thing, for other parts of the world. We are going to have to conquer the arid parts of the world, by developing systems which will be self-reinforcing. So that we can develop a moisture system, in Central Asia, which is capable of supporting improvements in that area.

So, we have to have a vision, which takes three generations, of 25 years, each generation. And we have three generations, and more, to complete during this century: We have to have goals, which are expressed in terms of that, of the three successive generations. And we have to say: Where are we going to be, generation by generation, in the conditions of life of mankind, throughout this process.

And thus, if we think in those terms, in terms of the fixed-exchange-rate system, and realize that this is going to occur, not because each nation is taking care of its own needs, but because we are going to assist each other, in crucial technological areas of investment, in ensuring that nations, such as China, such as India, and other countries—or Africa, for example, is the prime example of the whole problem—that these areas, now suddenly have a foundation for catching up, while we improve the world as a whole. And it has to be that way: We have to think in those terms.

**Freeman:** There are still other lingering questions on some of these matters, but I think it's time to get around to some of the questions regarding NAWAPA and its implications.

The first question comes with a short introduction, and I'm going to read it: "Lyn, as you know, last week Debbie [Freeman] joined us, and we were all engaged in a very intense discussion over three or four days, on a variety of topics. We were reminded at that time, that what now seems like so long ago, when my working group was first pulled together, long before any of us had any direct contact with you or with any of your associates, that we were tasked with coming up with an economic recovery program for the United States, and with coming up with a design for an expansion of much-needed infrastructure, etc., etc., without going through every detail of it.

"But that is where our roots are. Now, in the discussion last week, one of the presentations was very provocative for many of us, which I would like your comments on. The title of the presentation was "What Is Infrastructure?" Its premise was that we had gotten very sloppy in what we were defining as infrastructure; that because we have moved so far away from any notion of physical economy, that now, whenever we embark on anything that has actually some basis in reality, some tangible physical basis, we call it infrastructure.

"I'm simplifying this, because it was a long, and what I thought, a brilliant presentation, but the argument was that, when we talk about infrastructure, we have to be clear on what it is that we are discussing. And that, if a bridge needs repair, that the bridge should be fixed. But we should not mistake that for some great infrastructure project. If an existing road has problems that have to be dealt with, if a city's water-delivery system—because no one has done anything about it for 40 years—is erupting, and you have water-main breaks all over the place (as I know that you folks on the East Coast have suffered) that, while that has to be fixed, that that is not necessarily what we should be talking about, when we talk about infrastructure projects, and great infrastructure projects.

"It is great when a project becomes a source of what are obviously desperately needed jobs, but that that, in and of itself, is not sufficient. President Clinton has recently said some things about this too, that I thought were very interesting. But, what was argued, is that the basic measure for defining economic infrastructure, is whether or not it leads to an increase in productivity. And I guess, in terms of productivity, I think what was really being referred to, is what you have uniquely named energy-flux-density. Essentially, if the implementation of a project is to be weighed against another project, the question is the level of potential productivity that can be achieved as a result of that project, both in terms of human labor, but also in terms of the general productivity of agriculture, of industry, etc.

"And that, as we select projects, and prioritize, that we have to focus on this question of what it is that will produce the greatest advance in these core areas. And that, when we talk about infrastructure, that that is what infrastructure is. That simply fixing something that's broken, or putting some people to work, that that does not—while you might do it, and it's undoubtedly neces-

sary—that that is not the task of this group, per se—and that that does not constitute economic recovery, except to the degree that it does obviously put some people to work, and increase some tax revenues, and other things. But that in terms of laying a framework for the development of the nation as a whole, and a framework for future generations, it just doesn't do that much.

"I would like you to talk about your own view of this, because it was a very provocative presentation for us, and coming at the same time as our overall investigation of the total implications of this NAWAPA project, it was a real eye-opener. I don't know if you agree with this assessment.

**LaRouche:** I agree totally with the assessment. And the question is: What is necessary for people to understand the grounds for this assessment? It is obviously a different concept, and the conflict is obvious.

The point is, the problem lies in the fact, that it comes back—you want to trace this, in European civilization's history. Go back to Aeschylus' *Prometheus* trilogy, particularly *Prometheus Bound*, and if you look at that trilogy, you have to look at what was happening before, in that culture, in that trilogy. What we call European civilization is a product of developments which became planetary developments—to our knowledge, that is—whatever happened before, we have much more limited knowledge—but in the period of the 100,000, approximately, years of the last great glaciation of this planet, the waters of the oceans fell by about 400 feet. And when, about 17,000 B.C., the glaciers began to melt, the water came up—we are talking about 3000, or something like that, B.C.—the waters came up to a level of today, approximately today.

EIRNS/Bonnie James

*The oligarchical tendency: The Olympian "gods" wished to deny fire, or science to mankind, to keep humans in a bestial state. Laocoön, shown here with his two sons, in this Roman copy of a Greek scuplture from 200 B.C., defied the god Poseidon, and was punished for it. Laocoön was also portrayed in Virgil's* Aeneid*, as warning the Trojans against the wooden horse: "Beware of Greeks bearing gifts."*

Now, in this process, during this long period of evolution of the planetary system under that last great glaciation (there were glaciations before then), the dominant culture of the planet in terms of efficiency, was a maritime culture. It was a maritime culture based on the Peoples of the Sea. It was a time when regular voyages would occur between the areas of the Atlantic and Africa, down into the Caribbean and back, because even then, you could probably travel with some sail and oar, you could travel in flotillas, and you could follow the same route Columbus used, in terms of prevailing currents, to get down to the Caribbean, and get into that area. And if you wanted to return, you would come up the streams, the ocean streams, the same way we would today, to move back to Europe.

And so, there were very important cultures which are significant because they had knowledge of the nature of the stellar system. They no longer looked at the stellar system as a panoply of lights out there, but they looked at it as an organization, which had principled characteristics, which later, Albert Einstein would call a finite, but not-bounded universe. That is, a universe which is finite, in the sense that it is a finite system—it is not infinite, but it is finite. But it has no bounds on what it can do in terms of increasing what it is, whether we call it size, or development.

And so, these people had a conception of the universe, as part of the system of navigation they developed for this purpose. Because, things move. Things move. Currents move. Places move. The magnetic compass, which was used by these ancient people—they used the lodestone as a compass for navigation. This was well known. This is as far back as 100,000 years or so, well known, this cycle. It was a measure.

And so, you had [inland] people, like the Berbers, who are Berbers today, and were Berbers then. And sea people came in as the waters rose, as the Mediterranean became more accessible, and they moved into parts of the Mediterranean area. We had the development of Egypt—ancient Egypt was the product of the development of sea people, at a time when the great flooding of this whole area of Africa, the great glacial melt and things like that, great weather changes occurred in Africa. But the Berbers apparently were living there at that time. And so you had sea people colonize, and actually become kind of captors of people they controlled.

And so they inhabited various parts of this area. It was based on a scientific conception; based on the idea of the discovery of astronomy, whose practical expression is navigation. Transoceanic navigation.

So now you had two grades of people, people who were the inland, or land people, who did not travel great distances, transoceanic voyages, and those who did. So, what happened is, you had cultures develop in the Mediterranean region, in which the seafarers settled in, and they called themselves gods. They often did, as you get in Homeric legends and the greater Greek legends. They call themselves gods. And if they married people of the natives, the children were demi-gods.

So, they had this system, and the system had two characteristics: One was beneficial, like the Pythagoreans, or the people who designed the great temple of Giza. They were nation-builders; they were the builders of society. And you had the others, who preferred to be the predators of society; since they had knowledge of technology, they used it in order to suppress the people, such as the Berbers. The Berbers still exist today, as a language and language-culture.

So, out of this process, there came science. And then what happened is, you had a victory of what is called the oligarchical tendency. That is, the oligarchical tendency to impose on so-called lower classes of people, a condition tantamount to that of animals. And you get, in the great Aeschylus trilogy, the part of that which survives today, the *Prometheus Bound*, a detailed expression of this oligarchical principle. The ordinary people must not rise to be gods! They must not know how to use fire, for example. They must be banned from the knowledge of the use of fire! And that became the oligarchical system, whose roots then, exist in the form such as the British Empire today. A class system of that type.

And you had other people, earlier, such as the Pythagoreans and Plato, who were opposed to this. They believed that the creative powers of mankind were what is crucial.

So, the oligarchical system was a system saying, the universe is fixed. You had Aristotle, for example. Aristotle would say, yes, the universe might have been created, but the god who created it, died at a certain point, and was unable to make any more changes. So now you have a fixed system, of the universe, which will never change. It can never be allowed to be changed.

Others, great thinkers, for example, Philo of Alexandria, denounced this Aristotle, on that account. He said, no, creativity lives on.

You find there are two divisions about science, in the history of science today. On the one side there are those of us who know, as Albert Einstein emphasized, that the universe is inherently creative. This idea gained particular impetus with Louis Pasteur. Louis Pasteur decided that he knew what life was, but he wasn't quite able to define it. But he opened up the gates for a new development of what we call physical chemistry, which replaced so-called physics as such.

Mathematical physics is often a different belief; it believes in the primacy of an Aristotelean type, or a Sarpian type, the modern liberal type, of fixed universe. Aristotle says, we know what the universe is: It is already fixed; we can not change it. The Sarpians say, yes, you can change the universe, but you don't know why, or don't know how. And that became modern liberalism, typified by that wretched creature, Galileo. A real hoaxster, and fraud.

So, you have these two systems in modern Europe. You have the system of scientific development, which comes out of areas like the work of Cusa, or before him, Brunelleschi. So, out of the Dark Age, came science. Science was the great Council of Florence, where science itself was typified by the achievements of Brunelleschi, in discovering the physical principle of curvatures, physical curvatures. Like the catenary. The dome of the Cathedral of Santa Maria del Fiore—the dome's construction depends upon the catenary, as a

principle of construction, as opposed to an Aristotelean, or so-called Euclidean curve.

Then you have Nicholas of Cusa, who represents exactly the same point, and continues that with his *De Docta Ignorantia*. The same conception. Then you have the opposing view. The first opposing view was the Aristotelean view, which was the view of the Hapsburgs. This was the view that started the Religious Wars.

Then, in the middle of this, it was discovered: Well, the Hapsburgs aren't doing too well. Aristotle is a failure. So, in comes Sarpi, and Sarpi says, all right, man does not *know* what the universe is. Man only knows pleasure, and pain. Therefore, mathematics, of money, will tell us the difference between pleasure and pain. And that is the liberal system.

*Louis Pasteur (left) didn't claim to have defined life, but he opened the gates to physical chemistry, that Riemann and Vernadsky walked through. Vernadsky defined the distinction, from the standpoint of physical chemistry, between the non-living, the living and its residue, and the human mind.*

The worst example of the liberal system is Bertrand Russell, probably the most evil man that slithered across the surface of this planet during his lifetime.

So, you have two views. You have mathematical physics, which, as a theory of mankind, and a theory of economics, is utterly incompetent, intrinsically. Whereas Einstein, and others who belong to the category of modern physical chemistry, who say that the universe is constantly developing—which is what we must use today; to understand economics today, you must understand the critical achievement of Vladimir Vernadsky, who defined the universe as composed of three known sub-spaces. One is the finite, the fixed universe, the non-living universe. But then, co-existing with the non-living form of the universe, which has none of the characteristics of life, as such, there is life, and the products of life, as such. And a great deal of the crust of the planet, all kinds of parts of the planet, are interrelated, between things which co-exist, one living and the other non-living, on principle.

And there is a third principle, which is not characteristic of animals, or other living things, except mankind. Mankind is capable of *willfully* creating. That is, everything creates. The universe is always creative; it is always creating new states. It creates new states of living processes, and the animals don't have anything to say about it. Plants don't have anything to say about it. They just do it. It's built into their nature. The nature of the principle of life. The principle of life interacts with non-life.

But then comes man. Man is willful. Man can discover a principle, and does discover principles. Mankind changes the behavior of mankind, and changes the behavior of the animal kingdom, and changes the behavior of the non-living universe. There is no fixed system.

Therefore, when you say something has value, tell me where the creativity is expressed. When you are fixing something, that may be useful. If you are maintaining something that has a use to it, still has a use to it, that is useful. But where does the economy as a whole go? So, we now have to distinguish an economy with two things; that is, the real economy, the physical economy. One is, you are simply maintaining the same level of productivity that existed before—either for the economy as a whole, or only for certain parts of it. Or, the alternative, you are an inventor. You are a discoverer of universal physical principles not previously known,

and you are transforming mankind, by transforming the power of mankind over the universe, in the universe.

And infrastructure is essentially—to define it as a principle of infrastructure—the questioner is right, absolutely correct. It is only to the degree that your system of so-called infrastructure is an essential part of the process of increasing the productive powers of labor, to compensate for using up what you are using up, that you really have infrastructure. It is the infrastructure of *what?* Of a fixed society? Or the infrastructure of progress?

Where are we now? We have to look at this thing. What are we doing? Take the case of the NAWAPA project. And you look at the Tennessee Valley Authority, which Roosevelt started in 1933—it's actually a precedent for this process. What is the difference?

Mankind willfully creates a platform, on which the act of production is performed. The basic thing that we do in production, is not something physical, in the ordinary sense of physical. It's that we build a platform, like an increase of the energy-flux density of power sources. And, we look at this kind of thing. We understand this from the standpoint, let's say, of the work of Pasteur. Pasteur did not *claim* to have defined life, but he opened the gates to aspects of physical chemistry which later enabled us to understand more things about living processes. And this action of Pasteur, and people like that, based on the influence of Bernhard Riemann, gave modern science, or that part which was willing to be modern science, the opportunity to discover living processes, and understand them.

So, Vernadsky represents a certain pinnacle of this, because he defined the distinction, the functional distinction, from the standpoint of physical chemistry, between the non-living, the living and its residue, and the human mind. So, when we talk about human infrastructure, we have to bring in the nature of the creative powers of the human mind.

Now, the opposition is that of the mathematicians. There is no creativity in mathematics, except the creativity in redesigning mathematics, by some gifted people. There is no inherent truth in mathematics as such. The truth in mathematics is only to the extent that it involves discovery of methods of design, which have a mathematical shadow cast by them, and the sources of creativity lie *not* in mathematics. Creativity in the individual lies essentially in Classical artistic composition, of various forms of it. That is where the creative powers of the imagination lie: in metaphor, especially in metaphor, as the *Seven Types of Ambiguity* of William Empson typifies this anomaly. It's in the great literature.

It is the destruction of music, the destruction of Classical music, and the ability to know what it is, the destruction of Classical poetry, of Classical art in general, which defines the mass corruption of Europe and the United States, since the end of World War II. There was a willful destruction of art, from the noble and elegant, to the debased. And the problem we have with our population today, is that they have become debased by the influence of these new kinds of artistic conception. Where the creative powers of the mind are located precisely in that—that is their expression, as Einstein and his violin, together, typify that. Without the impact of a Classical musical composition, or a Classical composition of that form, you do not have creativity among scientists. You have mathematicians.

And mathematicians are dead. They are like machines. They are like calculating machines. They run on what is built into them. And when we use mathematics (hopefully, we will reinvent it from time to time, otherwise we get stagnant), we are simply changing the design of the computer. And the computer has now been taught to do things it could not do before.

But the power to *create* the change in the computer that does this, lies in Classical artistic powers.

So, therefore, we are looking for the imagination. Take the case, one case, for illustration of this point. Take NAWAPA. NAWAPA is an excellent example of this.

What we will be publishing soon, in our ongoing work, is the way in which chlorophyll—if you destroy enough of these crazy, idiotic solar collectors, and destroy these damn windmills, and get us a Don Quixote who will really eliminate those windmills, once and for all—that is how we progress. We progress by creativity. And we progress by realizing what is creative in living processes, especially living processes. And therefore, we say, if we take this radiation from the Sun, sunlight, solar radiation incident upon the surface of the Earth, that is very inefficient. Very inefficient as a source of power. It's the worst choice available, next to simply burning woods and trash. So, the best thing is to let the Sun do something for you. Let the Sun use chlorophyll. And there are some other chemicals of that type, which will perform a similar function with a different central atom, the magnesium atom, in this case.

What chlorophyll does—it amplifies the energy-flux density of a chemical process in a very specific

way. The result of that growth of living processes, which all have this kind of characteristic, the same as chlorophyll does in its role, is the way in which we create a transformation of the environment, in which we convert biomass, or what becomes biomass—we convert it into a process by which we increase the productivity of life. The power of life *over* the planet. The flux-density of power of growth, or living processes, *over* the planet. That is economy. Everything else is simply attrition.

And therefore, what we are going to do, if we get the chance to do this—and we can do it right away, all we have to do is get rid of Obama! Get rid of him! Get through Glass-Steagall. And a political system that will do that, will be capable of adopting the NAWAPA project, putting it into effect, by putting spades in the earth virtually on the next morning. It may take us till October to do it, but we can start. And that *will save this planet* from a lot of hell. Because it will lead to the integration of the world, with an understanding of how we have to develop the surface of the planet, as an area of habitation, in such ways that it is more fruitful for us.

That is what you are looking for. Infrastructure means the power to increase the energy-flux density of human existence, and to raise humanity's practice to higher levels, or the equivalent, of energy-flux density. Which depends upon increasing the energy-flux density. Without nuclear power, you could not maintain this planet with its present population. Without thermonuclear power, you could not solve the problems which face us down the road. People who are opposed to nuclear power, opposed to thermonuclear power, are worse than idiots: They are criminals. They may not intend to be criminals, but they are like a driver, a drunken driver. They don't know which way to go.

So, infrastructure is to build a system, which utilizes such things as the conversion of sunlight, and its incidence on the Earth, in a useful way, by letting chlorophyll do its job. And you will find that, in trees, up to 10% of the incident sunlight can be converted into biomass. With grasses, about 1%. So, therefore, you want as many trees as possible. You do not cut down trees to install solar panels! A desperate man would shoot anybody who tried to install solar panels at the expense of trees.

So, this kind of concept. We have to develop the actually appropriate science, and the appropriate science is typified, not limited to, but typified by the revolution, the very specific revolution, which was accomplished by Vladimir Vernadsky, in his conception of the Biosphere and the Noösphere. And this is the chemistry, this is the physics, that you must learn, if you are going to practice competent practice in terms of economy. You don't understand this? You're behind the times. You may not be able to solve the problem. Get somebody in there who does know.

**Freeman:** The next question is from someone who also was part of our discussions last week, and he says:

"Lyn, I trust by now you have gotten something of a report of our proceedings in California last week, where we really got to discuss some of these issues in great depth. And for us, the proposal to really zero in NAWAPA, as the great project that will put us on the road to recovery, led to some very interesting things, because the more we looked into it, what we realized is, that we were dealing with a project that would do so many things; that it would provide a source of desperately needed jobs; that it would provide freshwater to areas of the United States which right now desperately need it, as we find our deserts, for the first time in a long time, starting to grow again. And it became clear to us also, that the solution to many of the problems that we were trying to deal with, in terms of saving and expanding the space program, especially from the standpoint of space colonization, could begin to be solved, by embarking upon an expanded NAWAPA project.

"We were very excited about all of this, and we began to realize that by pursuing this, we would begin to actually transform, to consciously transform, and manage, many of the processes of our universe.

"But this also raised a question, and I am going to ask you to forgive me if the way that I am phrasing this question is imprecise, because I am just not sure exactly how to deal with it. And it came up in some of the discussions about how, in fact, man is capable of consciously intervening in nature. Because, on the one hand, as we discussed NAWAPA, you know, the question of nuclear energy was solved. It became absolutely clear by some of the presentations that we were given, that it just was not an argument; that there was no way that we could proceed on anything, unless we utilized nuclear power.

"It also became very clear that it is not only the case that the use of solar power is not the most efficient way to produce energy, but that in fact, it's destructive. And all kinds of things like this, came to the fore, and it became very clear that problems that we were running

NASA, ESA, WFC3 Science Oversight Committee, Hubble Heritage Team (STScI/AURA)

*The universe is creative! The Star-Forming Region NGC-3603, a nebula 20,000 light years from Earth, in the constellation Carina, was photographed by the Hubble Telescope in August and December 2009.*

into, were here solved.

"Now, for some of us, the fact that the results of NAWAPA's construction would be real changes in climate, and things like that, was a very exciting prospect. And certainly, it's clear to us, and it's clear by some of the presentations that were given, that these kinds of interventions by man, have taken place really over the entire history of our species, and we were discussing it just in terms of our food production. And in the difference in the way—if we were producing food today, the way food was grown in the wild, the way that corn grows in the wild, in order to produce the same nutritive value, would take about half of the total acreage of the United States, as opposed to what it takes now, which is about 4%.

"So, this is all very exciting. But, it also then posed questions about man's relationship to nature. And exactly how we deal with certain aspects of this. And it came up very specifically in the discussion that we did have, about food, in terms of agricultural engineering. And without going through every detail of it, my question comes up in this way: On the one hand, many of us believe that man was put on this planet for precisely this purpose; that man's action on basic foodstuffs actually allows us not to be the ultimate consumers, but actually to increase the ratio of usable nutrients, etc.

"But then, another question comes up, and I don't know what your view is of this, but I would like you to comment on it. The question comes up in terms of the kind of bioengineering, for instance, that Monsanto is involved in; we have had some huge fights about it around here, because some people in our group are working on, their financing comes from grants from Monsanto; but my own view is that what Monsanto is

up to, is bad, and is dangerous. And I can tell you—and if you look at everybody in this room right now, I am probably on the lower end of the spectrum of people who you could call environmentalists, but I don't know exactly how to pose the question. I would like to know what you think of this Monsanto business, but really, from the broader question, of man's relationship to nature. How do you judge? What are the criteria of an intervention which is a positive and good intervention, of climate change that helps, and one that does not?

"And I think that in terms of NAWAPA, I know that one of the follow-up questions that one of my colleagues brought up, has to do with some new changes in U.S. law, which would frankly make NAWAPA illegal, but I would like you to first address this more generally, in terms of man's relationship to nature. And if you want to talk about this Monsanto thing, I would like it.

**LaRouche:** Okay, fine. I will.

First of all, you have got to watch your semantics, because if you start from the question that it's miraculous that man should seem to have the intention of doing something like this, and you find that miraculous, you should ask yourself the question: Why do you find it miraculous? Or, What do you mean by miraculous?

If the universe as a whole is creative, intrinsically creative, and if, as Vernadsky and his associates have made this clear, the universe is inherently creative, now, are you going to say that the universe has a mission? Experimentally, *yes!* From an experimental physics question, the universe is dominated by a mission called anti-entropy, or development. And the development is not quantitive, but rather, is essentially qualitative.

For example, take the question of living processes as we know of them on the planet. How much time was wasted in unicellular, or less than unicellular, forms of life? Why didn't we get on to the main project? Why was it so long in the history of living processes, and evidence of that, that it got around to producing multicellular forms of life? And how did you get through all these things that came out of oceans and seas, and so forth, and how did you finally get human beings able to walk around, or living beings, walking around on the surface of the planet? Not living in some fluid someplace. But maybe the air is a fluid.

Then you have to think about the development of the atmosphere, which was accomplished by living processes. And so, therefore, there is nothing remarkable, in the sense it should be astonishing, about the fact that everything that is good, in terms of development, expresses a purpose, an intention. An intention to attempt to do something. And a fruitful example of that kind of attempt, is to give you these things.

Mankind is inherently creative, willfully so. That is the most interesting case. Plant life is also sort of creative in its own way. Even the physical forms of existence of non-living processes, have their own kind of creativity. The universe is creating itself again, and again, and again. More and more and more. It goes through destructive phases, which then turn out to be creative phases, and so forth—all this kind of thing.

So, here is where the problem comes up. If you are a subject of brainwashing by people who admire the position of the Olympian Zeus, of the famous Promethean legend, if you accept that point of view, then you are an oligarchy, and your policy is, whatever you actually believe, to practice the doctrine that ordinary people are nothing but animals, who will do as their father and grandfather and great-grandfather did before them. And if they try to change that, that's wrong. If they try to increase the size of the human population, that's wrong. If they try to make people more intelligent, that's wrong. "We want a fixed system! We want an Aristotelean system, which has a fixed order of things, like this clock. You wind it up, and then it wears out, and you get a new clock." The same thing.

Or, you get the other side, a Sarpian system, which is destructive, always destructive. Man eats man, always destructive. And you say, well, morally, this is stupid. And the scientific evidence is, that such an idea is something which nature abhors! Because the history of the human race, the history of the universe, insofar as we know it, is the universe is based on a principle of creativity, anti-entropy. And the doctrines of Aristotle, and the doctrines of the followers of Sarpi, such as the British System, are the *enemies* of progress. They hate it. Why? Because they are evil.

That is evil. What is the effect of it? What's the effect of this? The effects are evil; therefore it's evil. Zero-growth is a conception which is purely evil. And people who believe in zero growth are evil people. Not because they are supposed to be evil, but because they have chosen to be evil. And therefore, we do not encourage that form of behavior. But rather we, being human, and being sensible of what the purpose of the existence of mankind is, as expressed by all the universal evidence of known history, we decide that we are going to be creative. We are not going to be stupid. We are not going to take drugs. We are not going to rot our-

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*President Franklin Roosevelt's Central Valley project, developed later by California's Gov. Pat Brown, is a model, on a much smaller scale, for NAWAPA. It is the proof that man can make the deserts bloom.*

selves away in some house of prostitution, with some kind of exotic entertainment with a new species we discovered as a sexual object. We are not going to do that. We are going to progress.

Because we know, from everything we know, that creativity is an inherent characteristic of our universe. An inherent characteristic, and an obligation to mankind. And all the evidence available to us tells us that. Now, with the help of things like the Riemannian view of the universe, which is an extension of Leibniz, an extension of Nicholas of Cusa before him, and so forth, that is what we have to do. Pragmatically, that is what we have to accept. All the evidence shows that. And everytime we deviate from that evidence, we get into trouble, as a human race.

Now, our job now is to eliminate oligarchism from this planet. And oligarchism is what tends to rule this planet. It's not the whores that rule the universe, it's the pimps. That is the issue. That is the basic answer.

This idea of progress, the limitless bounds of qualitative progress of mankind, should be the understood moral law of practice, of all nations, and peoples on this planet. Backwardness is evil, just because it is backwardness. And you want people to improve.

You have a guy, a little guy, is born. Born in a poor family. Never knows anything, never has much culture. He dies some crazy death, of some disease or something. And you think that's good? Why isn't this little guy developed? We know what human beings are capable of doing; why doesn't he become that? What are you? What kind of a scum are you, if you don't care about this little guy? Doesn't it horrify you that that is a human being, and a human being has inherently certain potentials, which you should admire in human beings, the future to which they can contribute. And you want to keep them like that? What kind of a scumbag are you?

Progress is morality. And what is not progress, is not morality.

**Freeman:** Lyn, there are some questions, and some of what is being brought up are really not questions. They have to do with some of the discoveries that this

group made, as they began to really study what an expanded NAWAPA project could mean, including that it would actually address some problems that had come up. And that had really upset some people in this group, when it came to their attention, or really, when they began to ponder the fact that, given current levels of production globally, that as a species, we may not be producing what we actually need to sustain ourselves, because of some pretty crazy policies that have been adopted. And obviously, NAWAPA, in a variety of ways, begins to address that.

One of the things that became clear, is that even in the juvenile stages of the implementation of this project, that you could actually double the irrigable acreage west of the Mississippi River. The other thing that came up, was the irony that the biggest concentration of environmentalism in the United States is located in California, where you also have our nation's most productive agricultural land, which has bloomed out of a desert, out of a high desert.

And we had a lot of discussion last week, about the fact that this was not always the case, but that it was made possible by FDR's Central Valley project, and then later on, by crazy Jerry Brown's father [Gov. Pat Brown], who expanded elements of Roosevelt's Central Valley project in what was called the State Water Project. And yet, while everybody is enjoying that bounty, you have this zero-growth mentality.

For instance, one of our participants gave a presentation before a group of economists in France on NAWAPA and the potential that NAWAPA holds, and one of the things that was raised as an objection to the project was precisely what we are referring to as one of the benefits: this idea that NAWAPA would double the irrigable acreage west of the Mississippi. Some among these French economists, found that appalling, because what they went through, is that if you did a survey of the entire planet, where you have these agricultural areas, that, what I guess they refer to as the birth cycle, which is the period of time in between people having babies, is the shortest. I.e., that these people do not just grow food, they grow people. And that this is seen as a very bad thing. Which certainly runs contrary to the view of all the people here. I think I can say, of all people here.

What most people do not realize, is that the water used by NAWAPA is not a fixed amount of water that we are just going to deplete, but that actually through NAWAPA, it would be used; that this water would essentially be recycled. We had a lot of discussions about how this works, and we got some very good input from some of our friends in Russia.

There is an issue that has been raised that people here are not sure you are aware of, but which has to be addressed. A series of executive orders have been issued by the Obama Administration, under which NAWAPA would be deemed illegal. Apparently, Obama has adopted an ocean and water policy that would not only outlaw projects like NAWAPA, but which is also directed at undoing certain water-management projects that have been established in the past. The executive order in question not only prohibits any further such improvements, but in fact, it commits the Federal government to rolling back improvements like the TVA. It repeatedly refers to things like dams as a malady that we have been cursed with.

Are you aware of this executive order, and do you know what the origins of it are, and how we should address it? Because it certainly presents itself as a very bad obstacle. And since it was not done by Act of Congress, but by an act of the Presidency, the question is, how do you go about addressing it?

**LaRouche:** Well, the first thing you do is, you throw the President out. Because what this represents—people who know Classical culture, European history of Classical culture—this is called the cult of Dionysus. The intention is not to solve a problem; the intention is to create one. Which is malice. It is evil per se. The President of the United States embodies evil per se, which is the same thing as saying he's a member of the cult of Dionysus, or a product of the cult of Dionysus.

Now, if you go back to the 1960s, especially the late 1960s, and you look at what prevailed among college-aged youth, university-aged youth, between the middle of the 1960s—about the time they got threatened with being drafted, no longer had exemption from being drafted—at that point, into the very early part of the 1970s, you will recall, around people like Mark Rudd and other people of that type, who then became celebrities—apart from his role in spreading gonorrhea infection through his travels—that he spread some ideas that are more evil than the gonorrhea that he was passing around. That is where the cult of Dionysus became a calculated program of indoctrination of university-aged students, particularly among families who were considered to be, collectively, influential.

That is, it was the spread of, not only gonorrhea, but the spread of ideas which had a similar quality of merit, or lack of merit.

So, therefore, we have people in society who should be considered as Nazis. They are the equivalent of the Nazis today.

For example: Part of the extreme green movement in Germany is a product of a skipped generation, from the Nazis. Remember, the ideology of the Nazis was originally, as Göring and others expressed this, a green ideology. You had a similar thing in France, and the origin of this was partly there. You had a similar thing in Italy. But more notably, with France and Germany.

Now, the reason for the green movement in Germany is largely a result of the influence of the roots of Nazism which expressed [themselves] in a skipped generation. With a little mediation in between. And the people who were the terrorists, the bombing terrorists, of the 1970s, were the expression of this. This is the enemy. These are people of criminal minds, of criminal mental disposition. And we can not allow them to exert any authority over society. It's like saying, I worship Satan.

**Freeman:** The next question comes from our Russian delegation: "Mr. LaRouche, as I think you know, due to what have been abnormally high temperatures and drought conditions, today, Russia, in the person of [Prime Minister] Vladimir Putin, announced that they were introducing a temporary ban on Russia's export of wheat, corn, barley, rye, and flour. And this currently is now set to run from Aug. 15, until the end of the year. Now, our Russian delegation says that this has led to a very nasty attack on Russia by a number of different sources, but one which you, Mr. LaRouche, are very familiar with, and that is the person of Ambrose Evans-Pritchard, who accuses—saying that this move by Putin is unprecedented, that it basically withdraws a quarter of the total world wheat export from the market, and that this is a ploy by Putin to increase Russia's power, etc., etc.

One of the things that Evans-Pritchard argues in a piece in the *Telegraph*, is that the price of bread can be expected to literally double overnight.

Now, we think a couple of things are important to note in all of this, and that is, that Mr. Putin acted after meeting with a group of meteorological experts, who informed him that the current situation was not likely to get better any time soon, and that the drought was expected to continue. And that it is likely that the ground will still be too hard next month, for us to seed the Winter crop. Now, for us, that means the loss of two crops. And from the standpoint of our own security, we have no choice, but to withdraw from the export market, and although it is our intention that this be temporary, this could last for up to two years.

Now it is the case, and we can confirm this, that Mr. Putin has also requested that Kazakhstan and Belarus, both of whom are also major wheat exporters, also ban exports.

Now, what we wish to say, is that, while this is a desperate situation, it is certainly not something that Mr. Putin has done lightly or happily. And that it is not being done to somehow increase our power in the world, or to hold the world hostage. And the proof of this, we think, is that we were told, both last week and before we came here today, that Russia would be delighted to participate in not only the expansion of a NAWAPA project in the United States, but that also, for quite some time, this has been under study in Russia, because we have plans for a very similar project in Central Asia, where, essentially, we have suffered a process of desertification. And obviously, if our intentions were to somehow hold the world hostage, we would not offer to participate in NAWAPA, nor would we say that we would welcome U.S. assistance and participation in a similar project in Central Asia.

But the bottom line is, that we have been struggling with scorching heat and dryness for weeks. There is no relief in sight. The outlook is that this will continue. I think people know that Ukraine has also cancelled wheat exports, because of this truly catastrophic situation.

So, we just wanted to make it clear and make it known, that Russia's motives in this are not nefarious, that we would welcome participation in NAWAPA here in America, but also we would welcome your participation in such a project in Russia, because we believe it would go a very long way toward making sure that we do not face this kind of catastrophe, including the wildfires, which people in California are very familiar with, but which we have been plagued with like never before, this past season.

I would like Mr. LaRouche to comment on this. Because we see no way—obviously, we support Mr. Putin's move, and we don't see what else he could do, under the circumstances. He does not wish to starve the world, but obviously the security of our nation must come first.

**LaRouche:** Well, maybe if the British had treated Russia a little differently, since Margaret Thatcher's

reign, we wouldn't have this problem in the first place.

What happened at that point, the combination of George H.W. Bush, François Mitterrand, President of France then, and Margaret Thatcher, embodies exactly the root cause of exactly this problem! The burning of peat bogs all around the Moscow area, where people hardly find the ability to breathe, in this circumstance! And the fact that this has become epidemic, because of a weather pattern which aggravates the condition, reflects exactly what the British, in particular, led in doing to Russia, all the way since the so-called 1989 crisis!

I was dealing with this in 1988, in the beginning of that year, and into the Spring of 1989, when I was concerned about a chronic problem of food supplies in the Soviet Union! And suggested that we had in the United States at that time, the technological-assistance ability to intervene and help, to come to what I called a "Food for Peace" agreement: that by cooperation on something which is of humanitarian urgency, with another nation, you tend to make friends. And if you have little quarrels going on, you tend to mitigate them, because you find that you have friends.

It's like we deal with the crisis, for example, in parts of Asia. We are not always too happy with Iran's present policy. *But!* We are not going to make it worse! We are going to do, as Russia has done, in the case of the nuclear discussions with Iran, we are going to try to find some way of cooperation, to solve the problem, and give Iran its right, the right to development, and to find that the means of development are not denied them.

Now, we don't know that we are going to get the answer we want from that, but we are going to *do it!* Because it's the right thing to do. And before Obama came in, that was a tendency which still existed even in the United States institutions. It got really worse with Obama because Obama is a total British agent; that is his character. They got him cheap, and they put him in, because they didn't want Hillary Clinton! They were determined to do everything possible to prevent Hillary Clinton from becoming President. And if she had not gotten the rough treatment that she was given in this thing, she would have been President, and we wouldn't have this problem.

So, if they don't like it, they can blame the people who forced Obama down the throats of the American people, by muscle and fraud and various kinds of dirty tricks

No, the point is, we have to actually do the same thing: We have to say: We have a policy. The whole world system is going to *Hell*, right now! And if we let it go the way it's going, with Obama as President, and with British control over so much of the world—I say, I intend—my malicious intention, my secret delight, and not so secret, is *to bankrupt the whole Inter-Alpha organization!* Which is the world imperialist system, which is really the cause of the *lack* of development which is occurring throughout the world!

Russia would be perfectly capable, with its scientific capability, of dealing with this problem! But I followed, detail by detail, blow by blow, much of the things that were done, from the time the breakup of the Soviet Union occurred.

And I also know the role of British agents in shaping Russian policy, that is, certain parts of Russian policy, and making this worse! And I do not like British agents in Russian costume, for that reason, because they are bad for Russia, and I do not like them around, in any case!

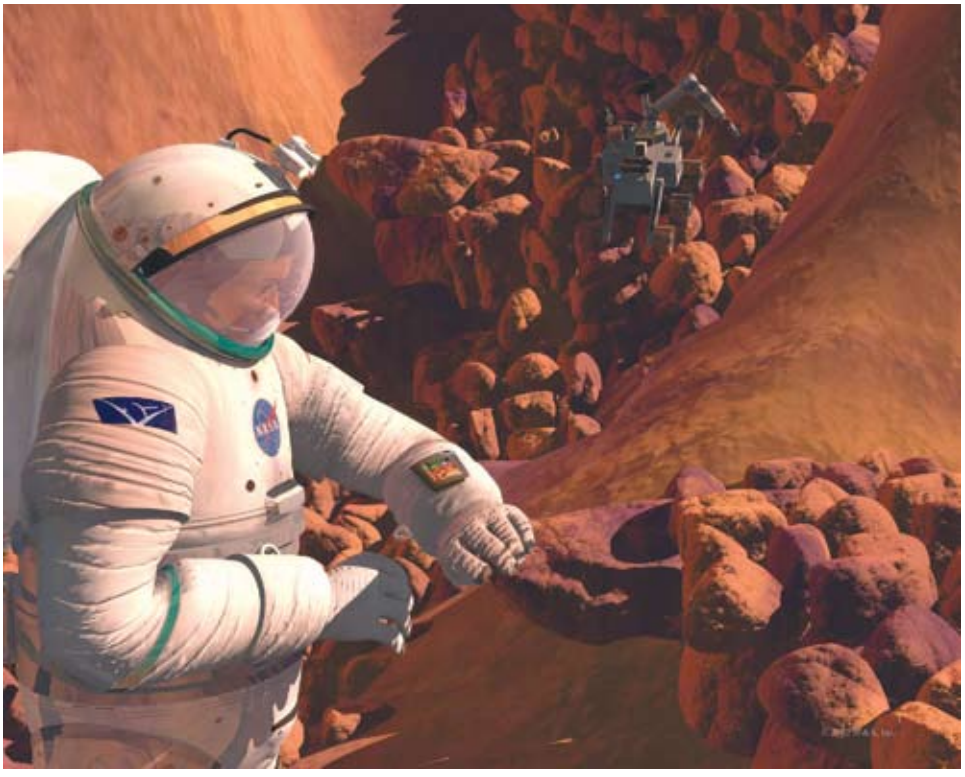
But, this is a case for cooperation. Putin did not only the right thing, it would have been wrong for him not to do it. There is no good reason for him not to do it. He has no choice.

And Evans-Pritchard is a well-known British agent, of very dirty services, who has done dirty things inside the United States and elsewhere! He usually manages to get up on the wrong side of the bed, everywhere he goes. And get into bed with the wrong thing, perhaps, too, at the same time.

So, he is a menace. He's typical of the degeneracy of those who would kill a David Kelly, who had offended Blair, on Blair's policy of a fraudulent entry into an Iraq War. So, the way to deal with him, is, treat him as he deserves to be treated: you know, sort of like a Mark Rudd of England today, of Britain today. He is a menace.

No, I perfectly sympathize, I absolutely sympathize with this. And I am concerned, not with just denouncing the opposition to this, because I have had information on this case in the past couple of days, on what the situation is around Moscow and elsewhere. I agree, totally, on the basis of my own facts. That Putin has done absolutely, the indispensable right thing.

The question is, what next? *Now*, what do we do? That being the case, and therefore, this should be a case for a discussion of a NAWAPA policy, as an ingredient of an international policy of cooperation among a whole group of nations. Only by international cooperation to ensure the security of food supplies of all nations, and



NASA

*LaRouche: "The distance out in space, between Earth and Mars, is not empty space. It is loaded with cosmic radiation, cross-penetrating this traffic, from all over the world; from inside the United States, from living processes, from non-living processes, all kinds of things—from our galaxy, from outside our galaxy, into our galaxy, etc. So, it's rather wonderful!" Shown: an artist's conception of an astronaut collecting samples on a future Mars mission.*

the practical measures needed for that—that is the only way to respond to this.

**Freeman:** The next question is from the group that had been, before things were redirected into a crash program on NAWAPA, after your statements of a few weeks ago, working on the space program, very specifically on the colonization of Mars. And what they have submitted here is the following:

They say, "Lyn, one of the things that we were struggling with, when we were looking at what we wanted to do, to move forward with the space program, is that there is just so much work that has yet to be done, but one of the very exciting things about the NAWAPA project, and what convinced us that it's an excellent option for initiating the economic recovery here, is that, although what we have been discussing and what you have been discussing even more, is a great expansion of the initial design, the fact is, that the fundamental design and planning, has already been done.

"And we are absolutely convinced that, once we agree to do it, we could start doing it next week. But also, there was something else that struck us, and I know that you have done a great deal of study on the question of space colonization and Mars—in fact, I think the first contact, or more appropriately, the first time I really became aware of you as a political figure, was during a Presidential campaign some years back, when you did, what I thought was a remarkable half-hour infomercial, on 'The Woman on Mars.' And I will tell you, I have had it on VHS for all this time; I have watched it many times, and recently, I had my old, tattered videotape converted to DVD, so I could show it to my friends.

"But that aside, one of the things that I have come to now think, is that, really, if we are serious about any discussion on the process of space colonization, that, not only will we learn things from NAWAPA, but that, in fact, it probably is the first, and necessary, step; that the question of how we gain more control over our own atmosphere, may very well give us, precisely the knowledge and insight we need into what it is we have to do, to create a life-support system, outside of our planet. Because obviously, if we are talking about space colonization, we do have to face the fact that we can't do that unless we are prepared—I mean, you're dealing where there's an absence of a substantial atmosphere. So we have to create one, if we are going to sustain life there. And that's a big challenge.

"But again, I have arrived at the conclusion that NAWAPA may very well be necessary not only from the standpoint of creating these systems on Mars, but in fact, necessary for getting us there! That it may be necessary to figure out how to actually build the vehicles that will get us there.

"And, you know, when I brought this up, some of

my friends here think this is all science-fiction thought, right? I don't think that way, and I think that you know more about this, probably, than any of us! And I would like your thoughts on it."

**LaRouche:** All right. Let us assume that as of tomorrow morning we have decided that we are going to dump Obama, number one; number two, we are going to immediately re-enact the original 1933 version of Glass-Steagall Act, with retroactive effects. That we are going to, at that point, immediately launch agreements with other countries, in the direction of indicating what we intend to do, and suggesting that they cooperate with us, in any way they would choose to participate in what we are doing.

Then, we would immediately, having dumped Obama, and having dumped what goes with him, we would then, immediately say, we are talking in the order of magnitude of hundreds of thousands of people, in such magnitudes, already living in the major areas of the United States which are NAWAPA-relevant. We have hundreds of thousands of people, in the United States, a large part of them in California, and in the state of Washington, who are "sitting on their hands," so to speak, waiting for the jobs of the type they used to do, to come back! They are scientists, they are technicians, and engineers, technicians of this quality. If we had the Presidency, we could start it, as of October!

Without the current opposition from the White House, the support is there to reform the banking system, the way Roosevelt did. And that reform takes the form of, "Well, Wall Street, good-bye, Wall Street! You should have gone long ago! We don't need you any more." We don't need the Vault in Boston, either. We don't need any of these relics of the British East India Company, which have been parasites in our country for much too long! Who have created our Presidents, who created most of our dope-using, and other kinds of things; they created slavery and all these other kinds of things for us!

All right. So therefore, at that point, once we have agreed on that, and once we have approached a number of countries, and I have targetted them before, the targetted countries are, the United States, Russia, China, and India. Not limited to those countries, but if those countries agree to enter into this kind of agreement, we have the building block for reorganizing the world. And, as I have said before, Germany is one of the ideal, crucial countries from Europe, which have to be approached to be involved in this. Because they have some—almost lost—technology, but still some, as people in China know. Which is of value to these countries.

And, we are going to have the greatest unleashing of nuclear power, in the terms of the thorium cycle, uranium cycle, and the thermonuclear cycle, that has ever been imagined. And that is going to power our ability to do this.

Now, on the space program itself: Once we assume that, then I say, the next thing is, "spades at work," in the designated areas of the NAWAPA project. We are talking about *hundreds of thousands of people*, who are presently unemployed, and who are *skilled* at various levels needed, and many of them come from this area of the western United States, where they used to have jobs, and don't have any more, or are about to lose them. Start the project, right away!

The project is pretty well determined. We would have semi-autonomous regions, for management, and they can decide whether one particular location is the right place, as opposed to the other, in the case of the original Parsons project design, or not.

Now, we, immediately, doing that, our first step is to talk to friends in Russia, who would like to see the Bering Strait railway tunnel installed. And we had a former, now recently deceased, governor of Alaska [Walter Hickel], who was a co-sponsor of this project. We are pretty much clear on the approach that has to be taken in general, to build the tunnel, under the Bering Strait. This means a sudden change in terms of Siberia. Now, when you are talking about Siberia, you are talking about one of the greatest areas of deposits of mineral resources of relevance to the nations in the southern part of Asia: China, most notably. You are talking about bringing Mongolia into a more active role, as a nation and population, in active participation in a role. You are talking about bringing Japan in, because Japan wants this like nothing before. Japan's problem is solved, immediately, if this kind of cooperation comes into place. South Korea will be enthusiastic immediately! And it will be crucial for this. Their scientific capability is quite appreciable.

So, you have started this process, then, just by that kind of development. By saying, "We are going ahead with NAWAPA, and we are going to take the logical extension, which is the Bering Strait tunnel, as a commitment." It's going to take some time to get it started and so forth, and done. But that commitment will be established. And that's the way to think about it.

Now, beyond that, it gets even more interesting: Be-

cause there are lots of problems I knew something about, back then, in 1988, and I have learned a lot more, since. First of all, we have opened up the question of cosmic radiation: Because the distance out in space, between Earth and Mars, is not empty space. It is loaded with cosmic radiation, cross-penetrating this traffic, from all over the world; from inside the United States, from living processes, from non-living processes, all kinds of things—from our galaxy, from outside our galaxy, into our galaxy, etc. So, it's rather wonderful!

We also know that gravitation is a key issue, already in putting people into Mars orbit. It's a crucial one, already, dealing on the Moon. We do things to try to enable people to counter the effects of lack of gravitation, or weakened gravitation. We don't think, yet, we've managed to solve that problem. We have managed to ameliorate the problem, by various kinds of exercises and things like that. But going into space, you can not get to Mars in a short time without thermonuclear fusion. And your best source of fusion power [helium-3] is right there, sitting as a fuel, on the Moon, where the Sun has been dropping this material, over many, many years.

Now, with that process of fusion we now have a kind, a conception of a propulsion system, which is simply needed, even to get through to Mars in a reasonable number of days. Because, every time you are out there, you are at hazard, for things which we do know, and things we do not know.

And settling on Mars, to stay there for any period of time, is a problem. Mars is one-third the size of Earth. There are lots of deficiencies we have detected in that planet, from the standpoint of human activity. We are going to have to build a real infrastructure on Mars, eventually. So we will buffer the deficiencies of Mars, with a protective environment, which fills in for all these things that we enjoy on Earth, which we don't find supplied there. We are going to have to change, engineer a change in the climate of Mars! And I think, if we go in this direction, by the end of the century, if we take this route that I am proposing now, I think by the end of the century, we can, in science, begin to solve many of these problems.

And this means, that we are no longer thinking from the standpoint of the Earth outward, to the Solar System. We are now thinking from immediately outside the Earth, as if standing on a satellite, an Earth satellite, or on the Moon, and we are looking down at Earth. And we are saying, "This is our garden, this our planet. Well, what do we have to do, now?" Well, NAWAPA gives us one part of the answer: Here is what we can do. We have got to do this globally, not just in the United States. We have got to have the equivalent kind of design installed throughout other parts of the world, where desertification is a problem, and so forth.

And so, that is the way we think about it. We have to start thinking of ourselves as being, living within—shall we call it—that section of the Solar System, between the Mars orbit and the Earth orbit of Kepler. Call it the "Kepler Region." Because that is where we are going to be operating between. You are going to be operating within the Solar System, and we are going to be operating with an orientation, toward the region between Mars and Earth, as Kepler was the first one to explore this thing, and define it.

And we should be very happy. We should do the kinds of things, that make other people, who tend to think as I do, happy. I think, you know, life, the sense of immortality, not as a biological phenomenon, but immortality in the purpose of living, and in contribution of original discoveries, which live on, with humanity, over generations to come—that kind of motivation is what we need.

**Freeman:** It's ironic that you would end this way. In opening the proceedings in California, last week, one of the things that was discussed was a statement that had been made by former President Clinton, in which he had expressed tremendous concern about the state of the U.S. population, and their general alienation, and rage, at what is currently going on. He had said that providing jobs was not sufficient. That what you had to do, was provide people with a mission.

I can say on behalf of those of us here that the desperately needed mission that he was talking about, has now been provided: That we have our mission with the launch of NAWAPA. And, it is a mission that clearly can be shared with our friends across both of the great oceans, and that is what we should set our sights on.

There are questions that we haven't got to, but we have run over schedule and we will have other opportunities to take them up. Everyone here is very excited and happy, and we all want to convey our thanks to you. So, Lyn, thank you so much for this. And I am sure this is just the beginning of what is going to be a very fruitful process over the next few weeks.

**LaRouche:** Good! Well, thank you. Thank everybody. It's fun!

# International Intelligence

## *Glass-Steagall Breaks Out Into the Open in Sweden*

STOCKHOLM, Sept. 5—After a half-year of campaigning by the LaRouche Movement in Sweden for a Glass-Steagall reform of the global banking system, the establishment media is finally discussing the issue of separating commercial and investment banks, and also, a ban on securities trading by the Swedish banks. Two articles today in *Svenska Dagbladet* blast the fact that the banks are speculating with depositors' money.

Under the headline "Scrap the Banks' Weapons of Mass Destruction," journalist Andreas Cervenka compares what the bankers are doing with al-Qaeda terrorism: "While terrorists of the bearded type often choose to meet their doom together with their victims, their suited cousins in the finance industry often strap their derivatives bombs and other explosive instruments around the bodies of colleagues, clients, bank shareholders, and taxpayers, while they themselves are a safe distance away from the explosion.... A roulette croupier taking clients' money to buy marks and then betting wildly at his own table, would not last long as an employee. But in the banking world it is totally acceptable to funnel the deposits in the bank offices to the internal gambling den of the bank."

An op-ed in the same issue, by a broker for Nordnet, Johan Tidestad, calls for better protection for banks' clients. "A first step could be to force the banks to put the trading for their own accounts in separate companies, that are not supported by the depositor guarantee for the citizens.... Another way is to ban certain types of trading."

## *Danger of Break-Up of Belgium Is Increasing*

PARIS, Sept. 6 (*Nouvelle Solidarité*)—On Sept. 3, Belgian King Albert II accepted the resignation of the prospective prime minister, Socialist Party head Elio Di Rupo, who had been mandated, after the June 13 election, to form a government with the Flemish separatist party N-VA. The king immediately called upon the head of the Senate (a Flemish separatist) and of the House (a Walloon Socialist) to start new coalition discussions.

Deputy Prime Minister Laurette Onkelinx, speaking after the talks failed, dangerously dramatized the crisis: "We have to prepare for the end of Belgium. Not wish for it, but prepare for it nonetheless. We cannot ignore that it is what is wanted by a large proportion of the Flemish population" (which is not true).

In reality, negotiations broke off, not over language, but over who is going to pay for the bankrupt city of Brussels. While a secret deal had been worked out, with Walloons handing over more autonomy to the Flemish regional government, in exchange for Flemish money to rescue Brussels, the separatist N-VA party, a creation of the Inter-Alpha Group-connected KBC bank, sabotaged the agreement at the last moment.

The Walloon Socialists uphold a more traditional social-economic model, while the Flemish separatist N-VA wants financial shock therapy, reducing benefits to the unemployed, offering tax breaks for corporations, and creating "fiscal competition" among regions.

## *Karzai Orders British Firm Out of Afghanistan*

Sept. 6 (EIRNS)—A London-based private military company, Blue Hackle, has been told to leave Afghanistan because of involvement in smuggling arms out of the country. Officials said that President Hamid Karzai revoked Blue Hackle's operating license on Sept. 5, effective immediately. The *Scotsman* reported that "tense meetings between Karzai, General David Petraeus ... and other senior western officials were taking place in Kabul."

The Afghan National Directorate of Security (NDS) on Aug. 30 seized "a large amount of military equipment including arms and munitions" from the firm. NDS said the matériel was "being illegally transferred by a private security company from Kabul city to the airport and then to an unknown destination."

The advisory board of Blue Hackle shows its "Dope, Inc." pedigree: It includes a former Tory minister of state for foreign affairs (responsible for Hong Kong and the Middle East); a former minister of state for the Armed Forces at the Ministry of Defence; a former commander of the 1st Battalion Queen's Own Highlanders in Hong Kong; a former advisor to then-UN Secretary General Kofi Annan on the prevention, containment, and resolution of conflict, and post-conflict peace-building; and an official who spent 43 years with the Hongkong and Shanghai Banking Corp. (the original Dope, Inc. bank, now known as HSBC).

Afghanistan's Interior Ministry head of counterterrorism, Gen. Abdul Manan, said bluntly, "Blue Hackle is a criminal company."

## *Putin: Russia Has Nothing To Fear From China*

Sept. 7 (EIRNS)—Russia has nothing to fear from China, and worries by some that millions of Chinese will someday occupy vast swathes of Russian territory in the Far East are overblown, Russian Prime Minister Vladimir Putin said yesterday, according to *People's Daily*. "There is no threat on the side of China. We have been neighbors for hundreds of years. We know how to respect each other," Putin told an annual meeting of world experts on Russia, known as the Valdai Club, at the Black Sea resort of Sochi. "China does not have to populate the Far East to get what it needs—natural resources. We deliver oil and gas. There are huge coal reserves near the Chinese border. China does not want to aggravate the situation with us," Putin said.

# Restore Glass-Steagall, Now!

Frustration with the failed President Barack Obama is currently reaching a high point, not only among the U.S. population in general, but within the Democratic Party itself. High-level sources within the party report that their attempts to prevent the President from taking more actions that will ensure the smashing of the Democrats in the November elections—such as Obama's support for Alan Simpson's obscene attacks on Social Security—are being summarily rebuffed. Many are concluding, many months too late, that the President is nuts, and is determined to bring his party, and the nation, down with him.

So far, however, no leading institutional figures have put it to the President straight: Follow President Nixon's example, and resign.

Lyndon LaRouche has noted that it would be counter-productive to spin scenarios about what procedure would best be followed to induce the President to leave office. Better to build the political potential—and concentrate on the positive mission of NAWAPA, which can be put into effect immediately upon the resignation of Obama.

But there is one measure, in addition to promoting NAWAPA, that could well be effective in achieving the necessary firing of Obama, LaRouche noted Sept. 7. That is the immediate mobilization of Democrats and Republicans, around the implementation of a bill already on the floor of the Congress: the restoration of FDR's Glass-Steagall law, exactly as he put it into effect in 1933.

The primary reason for such a Glass-Steagall mobilization is the reality of the economic and financial breakdown crisis. There is no way in which the United States, and the world, can come out of the disaster of combined savage austerity and hyperinflationary bailouts, without wiping out trillions of the phony-baloney gambling debts, which now clog the banking system, as well as loot the physical economy. These trillions must be cancelled—cut loose from Federal guarantees. That would be the immediate result of the imposition of Glass-Steagall protections of the commercial banks, which would separate them from the investment bank speculators who would be left to fend for themselves.

Most of Wall Street would likely disappear, but what of it? We as a nation would be the net gainers.

Recall that the overwhelming majority of the American population, including Congressmen and Senators, are actually in favor of restoring Glass-Steagall. This was clear last Spring, when Senators Maria Cantwell (D-Wash.) and John McCain (R-Ariz.) attached their amendment calling for its restoration to the so-called Financial Reform bill. Obama personally intervened, with the aid of Rep. Barney Frank and Sen. Chris Dodd, to ensure that the amendment never got to a vote—but the support is still there.

In fact, it is only by coming out and fighting for Glass-Steagall, as the first of other sane anti-crisis measures, that Democrats have a prayer of protecting themselves from the voters' wrath against this Administration and the party in the coming election. Chances for passage *before* the election would be excellent.

What would President Obama do under those circumstances? As his increasingly unstable behavior shows, such passage could actually be the trigger for Obama to resign—to the relief of virtually all. The rest of the cruds in his Administration would soon do likewise.

Want to save the nation from disintegration? Join the fight to restore FDR's Glass-Steagall, now!

# See LaRouche on Cable TV

**INTERNET**
- BCAT.TV/BCAT Click BCAT-2 4th Fri: 10 am (Eastern Time)
- LAROUCHEPUB.COM Click *LaRouche's Writings.* (Avail. 24/7)
- LA36.ORG Click on The LaRouche Connection. Select desired show.
- MNN.ORG Click *Watch Ch.57* Fri: 2:30 a.m. (Eastern Time)
- QUOTE-UNQUOTE.COM *Click on Ch.27.* Tue. 6 pm (Mtn.)
- SCAN-TV.ORG Click *Scan on the Web (Pacific Time).* Ch.23: Wed. 7 am Ch.77: Mon. 11 am
- WUWF.ORG Click *Watch WUWF-TV.* Last Mon 4:30-5 pm (Eastern)

**INTERNATIONAL**

**THE PHILIPPINES**
- MANILA Ch.3: Tue 9:30 pm

**ALABAMA**
- UNIONTOWN GY Ch.2: Wed, Thu, Fri: 6 am

**ALASKA**
- ANCHORAGE GCI Ch.12: Thu 10 pm

**CALIFORNIA**
- CONTRA COSTA CC Ch.26: 2nd Tue 7 pm
- COSTA MESA TW Ch.35: Thu 5:30 pm
- LANCASTER/PALMDALE TW Ch.36: Sun 1 pm
- ORANGE COUNTY TW Ch.95/97/98: Mon 3 pm
- SAN FRANCISCO CC Ch.29: 2nd & 4th Sat 9 pm

**COLORADO**
- DENVER CC Ch.56 Sun 10 am

**CONNECTICUT**
- GROTON CC Ch.12: Mon 5 pm
- NEW HAVEN CC Ch.27: Mon & Wed: 6 am; Sat: 6 pm
- NEWTOWN CH Ch.21: Mon 12:30 pm; Tue: 6 pm
- NORWICH CC Ch.14: Tue 8 pm
- SEYMOUR CC Ch.10: Tue 10 pm

**DISTRICT OF COLUMBIA**
- WASHINGTON CC Ch.95 & RCN Ch.10: Irregular

**FLORIDA**
- ESCAMBIA COUNTY CX Ch.4: Last Sat 4:30 pm

**ILLINOIS**
- CHICAGO CC./RCN/WOW Ch.21: Irregular
- PEORIA COUNTY IN Ch.22: Sun 7:30 pm
- QUAD CITIES MC Ch.19: Thu 11 pm
- ROCKFORD CC Ch.17 Wed 9 pm

**IOWA**
- QUAD CITIES MC Ch.19: Thu 11 pm

**KENTUCKY**
- BOONE/KENTON COUNTIES IN Ch.21: Sun & Tue: Midnight
- JEFFERSON COUNTY IN Ch.98: Fri 2-2:30 pm

**LOUISIANA**
- ORLEANS PARISH CX Ch.78: Sun 11 pm; Mon 5 pm; Tue 4 pm; Thu 12:30 pm; Fri 12:30 am

**MAINE**
- PORTLAND TW Ch.2: Tue 10 pm; Thu 1 am; Sat Noon

**MARYLAND**
- ANNE ARUNDEL CC Ch.99; FIOS Ch.42: Tue & Thu: 10 am; Fri & Sat: midnight
- P.G. COUNTY CC Ch.76 & FIOS Ch.42: Mon 10:30 pm, Thu 11:30 am

**MASSACHUSETTS**
- CAMBRIDGE CC Ch.10: Tue 2:30 pm; Fri 10:30 am
- FRANKLIN COUNTY (NE) CC Ch.17: Sun 8 pm; Wed 9 pm; Sat 4 pm
- GREAT FALLS CC Ch.17: Irregular
- QUINCY CC Ch.8: Pop-ins.
- WALPOLE CC Ch.8: Tue 1 pm

**MICHIGAN**
- BYRON CENTER CC Ch.25: Mon 1 & 6 pm
- KENT COUNTY CC Ch.25: Mon 6:30 am
- KENT COUNTY (South) CC Ch.25: Wed 9:30 am
- LAKE ORION CC Ch.10: Irregular
- LANSING CC Ch.16: Fri Noon
- LIVONIA BH Ch.12: Thu 3 pm
- MT. PLEASANT CH Ch.3: Tue 7 am
- SHELBY TWP CC Ch.20, WOW Ch.18, UV Ch.99: Mon 11 pm
- WAYNE COUNTY CC Ch.16/18: Mon 6-8 pm

**MINNESOTA**
- ALBANY AMTC Ch.13: Tue & Thu: 7:30 pm
- CAMBRIDGE US Ch.10: Wed 6 pm
- COLD SPRING US Ch. 10: Wed 6 pm
- COLUMBIA HEIGHTS CC Ch.15: Tue 9 pm
- DULUTH CH Ch.16: Irregular. Ch,29: Wed Midnight; Fri 1 pm
- MARSHALL Knology Ch.67: & CH Ch.35/8: Sat. 8:30 am
- MINNEAPOLIS CC Ch.16: Tue 11 pm
- MINNEAPOLIS (N. Burbs) CC Ch.15: Thu 11 am & 6 pm
- NEW ULM CC Ch.14 & NUT Ch.3: Sun 6 am, Tue 9 pm
- PROCTOR MC Ch.7: Tue after 5 pm.
- ST. CLOUD CH Ch.12: Mon 5 pm
- ST. CROIX VALLEY CC Ch.14: Thu 1 & 7 pm; Fri 9 am
- ST. PAUL CC Ch.15: Wed 9:30 pm
- ST.PUAL (N.Burbs) CC Ch.21: Mon 7 pm, Tue 3 am & 11 am.
- ST. PAUL (S&W Burbs) CC Ch.15: Mon, Wed, Fri 9 am
- SAULK CENTRE SCTV Ch.19: Sat 5 pm
- WASHINGTON COUNTY (South) CC Ch.14: Thu 8 pm

**NEVADA**
- BOULDER CITY CH Ch.2: 2x/day: am & pm
- WASHOE COUNTY CH Ch.16: Thu 9 pm

**NEW HAMPSHIRE**
- CHESTERFIELD CC Ch.8: Wed 8 pm
- MANCHESTER CC Ch.23: Thu 4:30 pm

**NEW JERSEY**
- BERGEN CTY TW Ch.572: Mon & Thu 11 am; Wed & Fri 10:30 pm
- MERCER COUNTY CC Trenton Ch.26: Irregular Windsors Ch.27: Irregular
- MONTVALE/MAHWAH CV Ch.76: Mon 5 pm
- PISCATAWAY FIOS TV Ch.40, CV Ch.15: Thu 11:30 pm
- UNION CC Ch.26: Irregular

**NEW MEXICO**
- BERNALILLO COUNTY CC Ch.27: Tue 2 pm
- LOS ALAMOS CC Ch.8: Wed 10 pm
- SANTA FE CC Ch.16: Thu 9 pm; Sat 6:30 pm
- SILVER CITY CC Ch.17: Daily 8-10 pm
- TAOS CC Ch.2: Sat: 10 pm

**NEW YORK**
- ALBANY TW Ch.18: Wed 5 pm.
- BETHLEHEM TW Ch.18: Tue 6 am
- BRONX CV Ch.70: Wed 7:30 am
- BROOKLYN 4th Friday: CV Ch.67: 10-10:30 am TW Ch.34: 10-10:30 am RCN Ch.82:10-10:30 am FIOS Ch.42:10-10:30 am
- BUFFALO TW Ch.20: Wed & Fri 10:30-11pm
- CHEMUNG/STEUBEN TW Ch.1/99: Tue 7:30 pm
- ERIE COUNTY TW Ch.20: Thu 10:35 pm
- IRONDEQUOIT TW Ch.15: Sun 10 am
- JEFFERSON/LEWIS COUNTIES TW Ch.99: Irregular
- MANHATTAN TW, RCN Ch.57/85, Verizon FIOS-TV Ch.35: Fri 2:30 am
- ONEIDA COUNTY TW Ch.99: Thu 8 or 9 pm
- PENFIELD TW Ch.15: Sun & Tue
- QUEENS: 4th Sat monthly 2 pm TW Ch.56, RCN Ch.85, Verizon FIOS-TV Ch.36
- QUEENSBURY TW Ch.18: Mon 7 pm
- ROCHESTER TW Ch.15: Irregular
- ROCKLAND CV Ch.76: Mon 6 pm
- SCHENECTADY TW Ch.16: Fri 1 pm; Sat 1:30 am
- STATEN ISLAND TW Ch.35: Tue 8:30 am & Midnight
- TRI-LAKES TW Ch.2: Sun 7 am, 1 pm, 8 pm
- WEBSTER TW Ch.12: Wed 9 pm
- WEST SENECA TW Ch.20: Thu 10:30 pm

**NORTH CAROLINA**
- HICKORY CH Ch.6: Tue 10 pm
- MECKLENBURG COUNTY TW Ch.22: Fri 12:30 am

**OHIO**
- AMHERST TW Ch.95: Daily Noon & 2 pm
- OBERLIN Cable Co-Op Ch.9: Thu 8 pm

**PENNSYLVANIA**
- PITTSBURGH CC Ch.21: Irregular

**RHODE ISLAND**
- BRISTOL, BARRINGTON, WARREN Full Channel Ch.49: Tue: 10 am
- EAST PROVIDENCE CX Ch.18; FIOS Ch.24: Tue: 6 pm
- STATEWIDE RI INTERCONNECT CX Ch.13; FIOS Ch.32 Tue 10 am

**TEXAS**
- HOUSTON CC Ch.17 & TV Max Ch.95: Wed 5:30 pm; Sat 9 am
- KINGWOOD CB Ch.98: Wed 5:30 pm; Sat 9 am

**VERMONT**
- BRATTLEBORO CC & SVC Ch.8: Mon 6 pm, Tue 4:30 pm, Wed 8 pm
- GREATER FALLS CC Ch.10: Mon/Wed/Fri 1 pm

**VIRGINIA**
- ALBEMARLE COUNTY CC Ch.13: Sun 4 am; Fri 3 pm
- ARLINGTON CC Ch.69 & FIOS Ch.38: Tue 9 am
- CHESTERFIELD COUNTY CC Ch.17; FIOS Ch.27: Mon 1 pm
- FAIRFAX CX & FIOS Ch.10: 1st & 2nd Wed 1 pm; Fri 10 am; Sun 4 am. FIOS Ch.41: Wed 6 pm
- LOUDOUN COUNTY CC Ch.98 & FIOS Ch.41: Wed 6 pm
- ROANOKE COUNTY CX Ch.78: Tue 7 pm; Thu 2 pm

**WASHINGTON**
- KING COUNTY CC Ch.77: Mon Noon BS Ch.23: Mon Noon
- TRI CITIES CH Ch.13/99: Mon 7 pm; Thu 9 pm

**WISCONSIN**
- MARATHON COUNTY CH Ch.98: Thu 9:30 pm; Fri Noon
- MUSKEGO TW Ch.14: Sun 7 am, Mon & Thu: 5:30 pm
- SUPERIOR CH & MC Ch.7: Tue after 5 pm.

**WYOMING**
- GILLETTE BR Ch.31: Tue 7

MSO Codes: AS=Astound; BD=Beld; BR=Bresnan; BH=BrightHouse; BS = Broadstripe; CV=Cablevision; CB=Cebridge; CH=Charter; CC=Comcast; CX=Cox; GY=Galaxy; IN=Insight; MC=MediaCom; NUT=New Ulm Telecom; SVC=Southern Vermont Cable; TW=TimeWarner; US=US Cable; UV=AT&T U-Verse; FIOS=Verizon FIOS-TV.

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