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Step Two: Use Glass-Steagall Standard To Restore Credit  
Return to the D-Mark and Economic Sovereignty  
Book Review: 9/11 Secrets Partially Revealed

**Beyond Sense-Perceptions:  
What & Where Is Your Mind?**



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# EIR

## From the Managing Editor

In a world so overcome with seemingly intractable problems as ours is, with leaders who appear belligerently committed to do the wrong thing at every possible branching point, it is no surprise that many of our fellow citizens are cynical. Well, a remedy is at hand: Pull up your socks and make your way through this week's issue, starting with Lyndon LaRouche's "What and Where Is Your Mind?"

LaRouche defines mankind as "not merely a mortal being, but intended to become *an immortal species of mortal human individuals*." Despite our follies, therefore, we are left "with a certain element of hope." Since pre-human history is laden with a "permanently revolutionary potential," we must ask ourselves today, what are the creative means by which we can *pre-choose* our future, to perform "what seems to be that revolutionary miracle which mankind must become?" That much, for starters.

Then there is LaRouche's "Emergency Presidential Address," delivered on LPAC-TV on Sept. 7, which defines clear marching orders: Get President Obama out of office and restore Glass-Steagall!

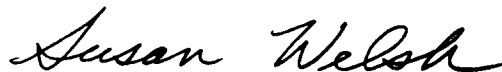
While Obama puffs his "jobs" bill—and the Democrats in Congress fall in behind him—the truth is that it is worse than a fraud: It takes the looting of Social Security one step further down the slippery slope to fascism. See *National*.

In *Economics*, Dennis Small spells out Step Two of LaRouche's "Seven Necessary Steps To Reverse the Breakdown Crisis" (a series initiated in *EIR*, Sept. 2, 2011). Step Two is the restoration of the Glass-Steagall standard, a concept that LaRouche has been promoting, in one form or another, since 1971.

Helga Zepp-LaRouche, addressing the citizens of Germany, presents the same program to her national audience, with a call to leave the Eurozone and return to the deutschemark, giving the nation sovereign control over its currency and its economy.

The *Science* section is a fascinating LPAC-TV presentation from Peter Martinson of the LaRouchePAC "Basement Team," on galactic processes, the weather, and the human creative mind.

Finally, our remembrance of 9/11 is Jeffrey Steinberg's book review, which also previews the LPAC-TV feature film that was released this week and can be viewed at [www.larouchepac.com](http://www.larouchepac.com).



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"Mona Lisa":  
The human mind  
encompasses the  
entire physical  
universe.



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### **62 9/11—Ten Years Later**

BEYOND YOUR CURRENT SENSE-PERCEPTIONS:

## What & Where Is Your Mind?

by Lyndon H. LaRouche, Jr.

September 1, 2011

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*Mankind, as I have emphasized repeatedly over years, is, essentially, an immortal species, that by its intended design. That is the innate potential of our species. The problem to be faced by humanity now, as during the millions of years of our species' existence up through the present moment, is the challenge to mankind itself, akin to that challenge which Benjamin Franklin presented to the republic which had just won its freedom through the defeat of the British imperial tyrant: "Can you keep it?" "Can humanity keep what had been its potential immortality as a species up to and beyond the presently onrushing, planetary, breakdown-crisis?"*

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### FOREWORD:

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#### Evolution as Man's Revolutions

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It was with a similar dedication and spirit, the U.S. Ambassador to France had forewarned France's Marquis de Lafayette, at a time when Lafayette's France was already careening into the brink of what became that great cultural disaster called "The French Revolution." Lafayette did not heed the warning; I shall hope that my contemporaries will have proven themselves able to have done better in their own time.

So, now, the successful fostering of a new state of mankind's global and more advanced and distant affairs, has depended upon the timely intervention of a new quality of organization in mankind's affairs, as when the





*The American Revolutionary hero LaFayette failed to heed the warning that France was careening into the great cultural disaster known as the French Revolution. Will Americans today heed LaRouche's warning in time to avert a much greater calamity? Shown: Marquis de Lafayette; the storming of the Bastille, July 14, 1789.*

founding of the original United States of America had represented a qualitative revolution in the affairs of society, not only in North America, nor the leading forms of trans-Atlantic culture, but for the, hopefully, globally radiating impact of the existence and development of the world at large.

Whereas, it is true, that the currently onrushing ruin of the United States has been brought on, chiefly, and most conspicuously, by the corruption represented by such post-Franklin Roosevelt Presidencies as that of Harry S Truman, and by the cases of the assassinations of President John Kennedy and his brother Robert, and by such ruinous later Presidencies as that of Richard Nixon, George H.W. Bush, George W. Bush, Jr., and most depraved of all thus far, Barack Obama. Thus, a broadly defined, post-Kennedy sequence, became the actual cause of our dismay in recent and current times; what I have lived more than three generations long since that time, has become the expression of a prolonged span of moral decay in what has been lately, in my post-World War II lifetime, the experience of a polluting form of imperialists' Anglophile depravity.

Nonetheless, mankind has been, if often misguided, the rightfully dominant species of our planet, on which the entirety of this planet has depended for the welfare and moral force of humanity itself, that within the known extent, to the present time, of what must become

our species' influence within the galaxy.

That said up to this point, all that we actually know, presently, of the evolution of living species, is to be properly seen from the viewpoint of mankind's emergent image of the evolution of mankind and its culture, as that which I shall define here, that which I define with the special meaning of mankind being created not merely as a mortal being, but intended to become *an immortal species of mortal human individuals*.

That is to say, that despite mankind's frequent follies, that human knowledge of the continued basis for mankind's existence, depends upon what has been, and will be acquired by us, as solely from the work of mankind's attempted practice of unlimited scientific progress. We are, therefore, left, at this present moment of the report, with a certain element of hope, although often a hopefulness mixed with doubt and confusion. Thus, we had been left with an enigmatic thought: *how should we, therefore, account for the arrival in a certain time, since when, as it appears to us now, that man had come, presently, to exist according to a prevailing opinion of our scientific thought, only as a recent arrival, a mere few millions years ago?*

So, in summary, we are left with a certain scientific predicament in this matter.

Now, we must justly presume that pre-human history (whatever that might signify) is actually laden with

a pre-fixed, specific, and *permanently revolutionary potential*. *This will be a mankind which is even becoming, in effect, (hopefully), a higher-quality species than it had been at any given earlier time.*

*In other words, therefore, we must ask ourselves: “What are, presently, those creative means by which mankind can pre-choose its own future, its eternally changing succession of forward actions, this to such effect, that mankind were to be considered as unique in a quality of being enabled, unlike all other known species, to actually perform, even still today, what seems to be exactly that revolutionary miracle which mankind must become?”*

In the meantime, all that we actually know of the human species, is what we are presently enabled to discover as being its potential for the coming-into-being of mankind on this planet in its role as a higher form of social process. That means a higher form of the conditions of existence of mankind as a species, a species which is charged with the potential of becoming something higher in its form and quality now, than it had progressed as during those times of progress of our species’ condition and achievements in the best among earlier times.

Had we been ordinary living creatures, who were not possessed of the creative powers of a human genius, we would have had no direct access to the implications of presently existing mankind’s willful quality of bearing the pregnancy-likeness of an imminent realization of the birth of mankind’s future, and also a higher potential than had existed from the standpoint of its present quality of its existence on this planet.

That would translate, in its effect, into the notion that *the creative powers which are a potential of our human wisdom, are best estimated as residing in some location to be named as “somewhere within this galaxy”—or, beyond*. Therefore, this is mankind, as we represent mankind as a species distinguished by its exceptional intellectual powers, and as being one thus able to fulfill an ideal quality specific to mankind and his legacy, a mankind accomplishing this by means of which, we are enabled, and also obliged, now, to adopt this aim as, once again, the primary subject of our inquiry here today.

The key to the solution to this riddle, is, as I shall show it in the course of this present report, that, among all species presently known to us, only the human species qualifies, on known records of its species’ behavior, and on the basis of known other evidence, as indi-

cated as representing the special quality of being of a potentially functional quality *of the type of an immortal species*.<sup>1</sup>

That is to emphasize, that if mankind has been known to have existed on Earth even less than a dozen millions years, we must ask now, as some present evidence suggests: how long had it been since mankind was in the process of becoming a relatively pre-determined sort of existent, progressive type of species, and, as a model distinguished by the demonstrated qualifications of what I present as an immortal species, as in this report?

As I shall emphasize on this account, there are strong premises to presume, that with the coming-into-being of the cognitively matured form of the presently manifest human species (as I have sketched its essential characteristics in the following pages), that mankind would be, once more, mankind in progress, that in some meaningful sense, as had already occurred a long time prior to the time an actual representative of that species was already in existence, in some way, in a period of great progress of our species, once again, and in the best moments of our species’ existence, before.

Reformulate that just stated context for human existence as it will be defined in the following, comparative view of the same subject-matter.

## **A Vision of, and for Mankind**

What we know of the process of the direction of development of human life as it is illustrated by the definition of man as the expression of Academician V.I. Vernadsky’s conception of a Noösphere, is a model for revolutionary progress of the human species within our galaxy, a model which must be projected as a future advance in the human condition comparable to the kind of process of progress which Vernadsky’s work has, implicitly predefined.

In that case, as just referenced immediately above, it might appear that the appropriate image of our universe will prove, once more, to have been the author of a quality of experience, which refreshes our hope for a quality of upward progress of the human species out-matching the best periods of the progress of mankind’s rise, again, to experience the process of a higher quality of a process of generation of the object which we should

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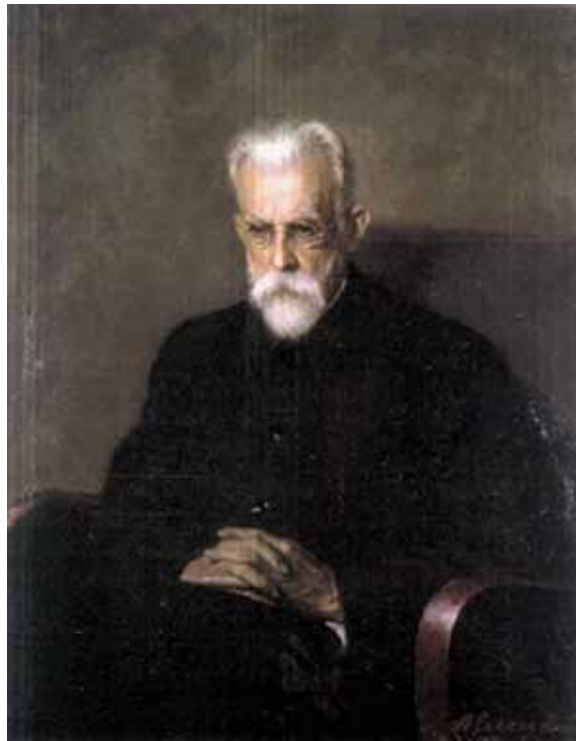
1. It is not the individual specimen which is biologically immortal; it is the only species which demonstrates, in itself, this species-characteristic potential.

have regarded as “the universe,” once more; a universe whose rise to a higher form of its existence, would come as in times before. We must seek to contribute in bringing about a new renaissance of our species, that brought about by means of an agency which were inherent in the very existence of that presumably moved, known object which is embodied in the willful character of our species.<sup>2</sup>

That means, for example, that the presently restated goal just underlined, is one which were posed to us as the fruit of some serious examination of the development of life within the bounds of no less than the development of life-forms of our own galaxy during some known, recent half-billion years, akin to that which have encompassed the relevant categories of the evidence of the evolution of species over the course of that span of developments.

So, according to the present view of the universe known to us, as to our present acceptance of the notion of mankind and the human experience, life and its non-living aspect are essentially inseparable expressions of the same unified action. They are united as being both cause and result of a unity of interaction, as one which mankind occupies, in some sense, within a crucial, momentary position in the history of our heavenly galaxy.

In this fashion so described, consider the case for the period since a reorientation of the investigations which our “Basement” team’s investigations had encompassed since the mid-Summer of A.D. 2010. Focus attention most emphatically on those matters of investigation of the history of life on Earth which bear most emphatically on what have been approximately a half-



Academician V.I. Vernadsky’s conception of a Noösphere, “is a model for revolutionary progress of the human species within our galaxy,” LaRouche writes. Portrait by A.E. Yeletsky (1949).

billion years of evolution of living species seen by modern science as having existed within our galaxy’s realm over that span of our knowledge of life on Earth. The essential pattern to be considered in this way, is, thus, subsumed, entirely, by a superior, upward-directed advancement in what is, effectively, an inseparable action in “energy-flux density” of characteristic living processes, a history of development of living processes which is centered in the superior principle of the specifically creative processes of the individual human mind.

*Thus, the existence of non-living processes, the causes of their existences, and, ostensibly, also their consequences, present us, thus, with a spectacle which*

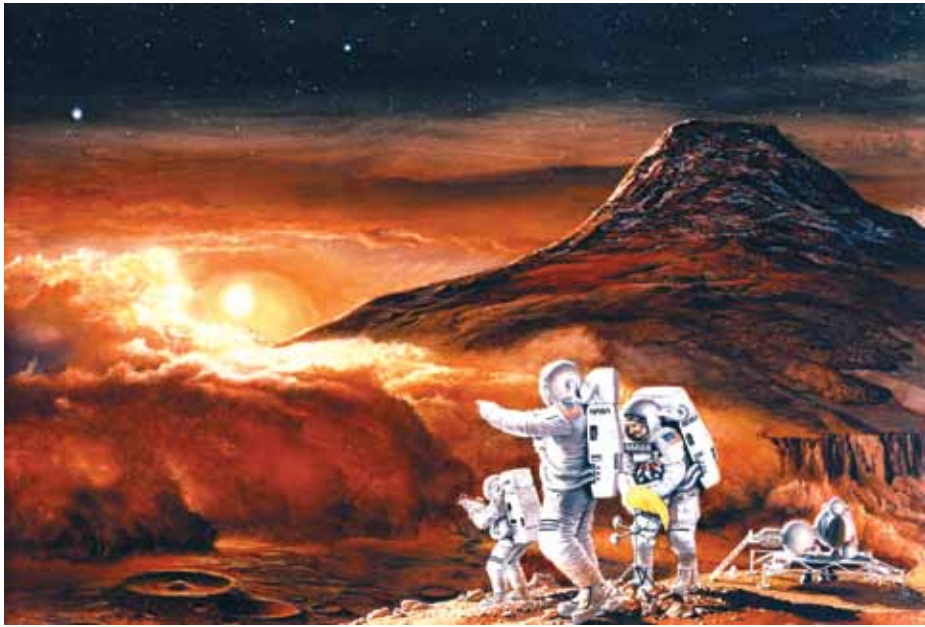
*has been dominated, this far, by the role of successively higher degrees of such biological and other forms of ordering. This is to be presented in terms of expressions of wide ranges of increases in relative “energy-flux density,” all which developments are centered, as implicitly subordinate to the role and effect of those creative powers unique to the individual human mind.*

### An Hypothetical Case: Mars

The time either has passed, or should have already passed, within which it should have been presumed that the actor in the site of the function within which he, or she, is effectively acting on behalf of a productive, or comparable mission, represents a mission which not merely could be, but even should be the functional arrangement of our thinking on all relevant matters. This arrangement is a fact which had been already considered in drafting the notion of the intended, manned mission to the Moon. Relatively soon, the continuation of that mission-orientation toward a Moon-landing, became, within the lapse of a few decades, the presentation of the general notion of “an extra-terrestrial” design

2. The likely problem of the reader at this point in the account, is to be the infamous paradox of Laplace, respecting the notion of time. That is a matter which shall be addressed at more suitable, later point in this present report.





NASA

*LaRouche proposed a Moon-Mars colonization project in a 1988 Presidential campaign video; had it been pursued, we might today be building colonies on Mars, and carrying out human exploration of the far reaches of our Solar System. Shown: an artist's concept of the landing of the first human mission to Mars in 2019.*

of economy operating on the platforms provided by both the Solar System and beyond.

We should look back to my design of the half-hour feature, “The Woman on Mars,” which I had designed as a half-hour feature of my 1988 Presidential election-campaign.

Now, even today, the prospect is not simply for habitations on and beyond our Moon, but for the case in which planetary basings in one location, as a controlling capability for manufacture or the equivalent on some “middle ground” basing, within our Solar system or beyond, of the control of the likeness of production controlled from a third point, a human-controlled agency, operate as a common, not human occupied, place in a three-part configuration. The factor of time in operations within the Solar system or within even relatively nearby regions of the galaxy, points in such probable directions.

The same problems appear even within more modest reaches of extra-terrestrial-related operations.

### **Kill the ‘Second Law’**

In other words, the notion of a force of “universal entropy” (a “Second Law of Thermodynamics”) has always been explicitly an outright lie, a hoax whose ef-

fects are contrary to the true fact of evolutionary ordering of living processes generally, that as a fact of the evolution of living processes generally. That evolution will have generated processes which had been directed toward higher concentrations of expressed “energy-flux density,” processes which are expressed as being a subsumed characteristic of the universe which living and quasi-living, non-human processes will have also inhabited.

The implication of this experience, is not, that the system of human existence is “running down” like some ordinary mechanical clock; but, rather, it shall appear to be directly the opposite. The implication is, that the currently rampant, pagan-religious form of the mis-

conceived dogma of “environmentalism,” is a lie; in truth, it is a lie against the very notion of a Creator.<sup>3</sup> It lies about everything else that can be judged as true of our own known universe, in particular. The precondition for the continued existence of our human species is endlessly upward advances in the relative energy-flux density, per capita, and per unit of territory, and of the preconditions for a successfully continued human existence.

In other words, I am obliged, in my writing of this report, to emphasize that creativity is not something which happens to the universe; creativity is, as I shall emphasize in due course in the production of this report, the characteristic, implicitly inevitable expression of the active expression of the presently known existence of man in our habitation of this universe. There are no static objects; there is an ongoing, anti-entropic process of development of an ongoing existence of our species within the bounds of such a quality of a universe. It is, thus, our immediate obligation to consider here, specifically, that the evidence of evolutionary experience over the course of the relevant span, is the evidence of

3. I.e., “pagan-religious” as used here, signifies “oligarchical systemic.”

an expression of the determining quality of an implicitly attributable motive which has engendered that evolutionary experience, upward, leading into the further, endless development of our species.

What I have written in the preceding, introductory paragraphs this far, has been presented here to confront the reader with the experience of a shock. It will come next, even starkly, as an indispensable shock inhering in the essential character of the argument to be made as this report unfolds from these prefatory observations, into the subsequent, opening regular chapter's present crafting presented in the opening, numbered chapters found below.

Thus, before we return to a needed restatement of the same thesis within which the essential content of this prefatory statement has been situated from its start, take into account the following prefatory mediation, which now runs as follows.

### The View from Riemann's Discovery

On this account, it is most essential, at this point in these prefatory sections of my report, that we must reference the third, concluding section of Bernhard Riemann's 1854 habilitation dissertation, "The Application to Space" [*Anwendung auf den Raum*].<sup>4</sup>

The "five senses" on which most current opinions continue to dote credulously, as people in most cases still do, are senses which are to be recognized as dominated by the deceptive effects imposed on their believers, effects produced by the presumption of that which is "real." They are, as I shall emphasize in the coming chapter of this report, to be considered, in one optional view, as being mere shadows, therefore mere



*Reliance on the "five senses" is dominated by the deception that what we see, taste, smell, etc., is "real." In "The Harvesters" (1565), the great Flemish painter Peter Bruegel depicts peasants whose "reality" is strictly limited by the perceptions of their immediate surroundings; they fail to "perceive" the great world beyond.*

shadows mistaken for reality. Or, in the alternative, they must be viewed, as I do, as being, in their least fallible effects, as the mere shadows of an unknown reality even among otherwise competent scientists, generally, today.

On the account of that designated conflict in meanings, it is most essential that I shall have emphasized my reference at this point in the account, as having been my reference to the third, concluding section of Bernhard Riemann's 1854 habilitation dissertation otherwise to be sub-titled in English, as "The Application to Space."

This consideration includes the needed emphasis, as by Riemann in that location; on this account, we must consider those notions of sense-perception, and the like, which belong to a class of notions which must now appear to us as reposing in some mysterious place essentially beyond the domain of ordinary human sense-perceptions as such. That is to emphasize such cases as, as by Riemann for example, in respect to and from the very large, or, to the very small, examples which are to be located beyond the limits of such merely apparent, successively ordered domains. Indeed, as Riemann emphasizes in the referenced concluding section of that

4. Bernhard Riemann's *Gesammelte Mathematische Werke und Wissenschaftlicher Nachlass*, Heinrich Weber, published by B.G. Teubner, Stuttgart, 1902; pp. 273-287.

work, he takes physical science into a domain which is located, ontologically, *as Riemann emphasizes there, entirely beyond the mere reductionist's realm of what is merely mathematics.*<sup>5</sup>

That fact considered: why, then, do ostensibly sane and cultivated men and women, believe in the sort of opinion which might be attributed to the often imagined “infallibility” of mere sense-perception? We must demand: “Why are we, so often, so foolish as to believe, as if in acts of blind faith, such as what have been often declared as our ordinary five sense-perceptions?” The worst of such effects, is what some are induced to conceive of the human personality in terms of a naive view of the human individual; that is to say, as being a creature essentially defined, as if axiomatically, as by a wild-eyed fantasy of mere “sense-deception.”<sup>6</sup>

For example, in modern civilization, the commonplace expression of the worst cases of simple-minded opinions respecting reliance on the mere existences of sense-perceptions, is typified by British and related forms of *Liberalism*: the most notable expression of this, is typified by Adam Smith's actually silly, 1759 **Theory of Moral Sentiments**. That English hoaxster, Adam Smith, is persistently emphatic in his insisting that human beings are *systemically* incapable in the attempt to distinguish truth from lies; that Smith, like his foolish admirers, situates human beings as being virtual animals, as if being merely the hapless victims of the mere perceptions of pleasure and pain.

## Our Human Alternative

What, then, must be adopted, instead of mere sense-perceptions, adopted for the purpose of defining the quality of evidence which points us toward the discoverable principles which define those effects to be properly regarded as an actually efficient principle of physical science, or its like?

The processes which supplement mere sense-perception with rigorous qualities of experimental inquiries, should have revealed to us that what we have been conditioned to regard as even being the fruit of “sense-certainties,” as if being inquiries whose fruits are located in what are merely “shadows cast,” as being shadows cast to such effect as showing that human sense-perceptions are merely additions to the

repertoire of sense-perceptions. These are sense-perceptions which are often more reliable as in their form as near-approximations, as mimicking, even mocking reality, more than any actual sense-perceptions as such.

On this account, consider the manner in which Percy Bysshe Shelley composed the closing paragraph of what some still mystified readers have regarded as the mystical character of the closing paragraph of his **A Defence of Poetry**. All competent creative expressions of Classical artistic composition, are expressed in this way, as are the powers embodied in the expression of the true creative powers of the imagination in physical science, or in great Classical poetry, truly Classical drama, such as that of Aeschylus, Shakespeare, and Friedrich Schiller, both in drama and poetry, and in musical composition and its performance.

Those effects specific to the actually creative powers of mind, when considered as experimental forms of those scientific tests defining a true notion of universalized physical principles, prompt us to recognize the fact, that sense-perception's function, is a view of what must appear to many as some mere shadows of reality. Therefore, they are known, consequently, only to such scientific practice, and that only by exceptionally well developed individual minds.

The most significant benefit of that thus improved notion of our functional relationship to the experienceable universe, *is that which enables the developed scientific mind, or the Classical poetic mind rooted in the function of metaphor, to effect a certain change of one's mind, through which the sense of personal identity is as if transported from the location of personal identity in the realm of an imaginary “sense-certainty,” transported as a mere shadow of brain-functions, to become a sense of the truly scientific mind's location of personal human identity within the universe, as to a subject which is yet-to-be located in the content of the presently ongoing report in progress here.*

*It is, essentially, in the creative powers of the Classical artistic imagination, that the sources of the power of physical science are to be found, as in a realization of what the Classical imagination has engendered.*

That is to say, that when we consider the popular opinion, to the effect of regarding metaphor as shadowland, it is the wrongly presumed certainties of sense-perception which are often actually the domain of fantasy, or, said more kindly, what is usually mistaken for the security of “solid” belief in the phantoms popularly

5. “The Application to Space.”

6. I shall return to that question in later chapters.

known as “sense-certainty.” *It is metaphor, otherwise named the apprehension of efficient reality, which is the “solid” aspect of experience of the moving power of insight typical of Keats and Shelley in the power to move the passions of nations and peoples.*

*Our location here and now, thus becomes, the mind’s perceiving sense-experience as like a mere array of shadows cast by processes experienced by what have been, and are, expressions of a sense of one’s self as representing an identity located in the universe. It is a universe in which our sense of our efficiently existing identity is “looking at” the display of a totality of “sense experiences” and also “sense-like experiences” enjoyed by the human mind, the which is looking at the particular experience from its location of the universe in which the developed mind finds its true, implicit place of primary residence. It is a place from which we were viewing the universe in which our virtual soul’s own identity is located: located in that sense of identity within that universe within which we should be struggling to locate the residence of that which is virtually our true soul and its place of ultimate, even ultimately permanent residence.*

That is to emphasize here, as I shall do this repeatedly in the pages which come here later, that the location of the radiation of a spoken, or equivalent utterance, were not likely to be the location, in imagined mere sense-perception, from which the ostensibly uttered argument is launched into circulation among persons; the idea itself is radiated from a “place” outside mere sense-perception itself, as from a real place in the universe from which the actual idea expressed is echoed as the actually surrounding universe infinitely afar from mere sense-perceptions.<sup>7</sup>

To summarize the implication of what I have stressed in this preceding paragraph, consider the following.

### **Consider Our Modern Predecessors!**

In what I shall write in the subsequent portions of this report, following these present prefatory remarks, the distinction of the human being from the beasts of all

species and their varieties, is to be located in respect to the essential consideration of those *conscious* powers of creation which distinguish the human personality from that of those beasts. The human personality which is also creative among people in their respective ways, is not that attributed only to the merely sensory experiences of images within what are the relatively fixed

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*It is metaphor, otherwise named the apprehension of efficient reality, which is the “solid” aspect of experience of the moving power of insight typical of Keats and Shelley in the power to move the passions of nations and peoples.*

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parameters of design of their capabilities. We must seek out, develop, and rely upon the consciousness of those more rarely recognized creative powers which lie as if “outside the reach of” ordinary “sensory” readings, as those relatively “higher” orders of powers of the mind with which the well-ordered human mind is, nonetheless, potentially, specifically endowed.

On the account of these voluntary powers which are unique for reason of their distinction from known creatures other than the human personality, it is only mankind which has been shown to us as being willfully creative in respect to those conscious discoveries of universal principle which supply a quality of implied immortality to those creative personalities which transmit the effect of willful creation into becoming the benefits implicitly awarded to posterity; such is the quality which defines an otherwise mortal personality as an eternally creative being, a virtual immortal, among the ranks of future humanity.

Accordingly, the fact is the following. There are many species, most of which become extinct when the course of their run has been completed. Mankind alone, has access to the role of an implicitly immortal species, as this is expressed through the process of uniquely human, willful creativity, including physical-scientific creativity. Mankind, alone, among all species presently known to us, is thus granted the opportunity to attain the status of what I shall define, at a later point here, as the relatively higher powers of an implicitly immortal species.

The consequent, ultimately relevant scientific evi-

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7. This is an example of what some might identify as “pure LaRouche.” This means that the ideas with which spoken, or written messages are associated, is not the actual form, quality, or content of the idea as known to the real universe, but, is, rather, a virtual shadow of the actually efficient expression of the idea. Human communication as such, as in the ordinary meaning attributed to “communication,” must be judged as we distinguish the utterance of the idea’s communication as a kind of analog of a “Morse Code rendition” of a political address, as transmitted as if from “East Oshkosh,” of an address uttered, *viva voce*, from St. Petersburg.





*The creative, or “noëtic,” powers of the great Classical artists, scientists, and such figures as the Christian Apostle Paul, “opened up, most clearly, the vista of the immortality to be distinguished as an ontological view of that transformation to be known as the realization of the immortal human soul.”*  
 Shown: “Saint Paul Writing His Epistles,” 16th Century.

dence, is that which is implicit in the pattern of advances in modern science, as emphasized by the case of such crucial contributions to modern science as those of Nicholas of Cusa’s **De Docta Ignorantia** (1440).

We may also encounter such conceptions in an earlier time, through the leading work of such Cusa contemporaries as that extraordinary genius, the discoverer of the principled nature adumbrated by the mere funicular curve (the catenary), Filippo Brunelleschi.

So, science proceeds upward beyond the shadowland of mere sense-perception, as through the modern discoveries by the great followers of Cusa, through Leonardo da Vinci, Johannes Kepler, Gottfried Leibniz, Carl Gauss, Lejeune Dirichlet, and Riemann himself, a process continued into the exemplary cases of Max Planck and his great ally and follower, Albert Einstein, and, thence to the fulsome achievements of Russia’s V.I. Vernadsky, especially as represented by the coincidence of the fundamental accomplishments of Riemann and the Vernadsky who became recognizable as Riemann’s true successor in the domain of physical science as a whole, as all this was clearly defined in Vernadsky’s own work, that since approximately the middle of the 1930s.

It came, in such ways as those, to be the present case, that we are now obliged to recognize the creative

(e.g., “noëtic”) powers of the human mind in such terms of modern reference. It is also the mind of the great Classical poet and musician, and of our greatest scientists from such as the array of antecedents of Plato, and of such figures as the Christian Apostle Paul who opened up, most clearly, the vista of the immortality to be distinguished as an ontological view of that transformation to be known as the realization of the immortal human soul.

Those just spoken words, respecting Paul, are no mere fancy. Consider the evidence which I shall develop from this point, forward, through this report of my findings. We shall return to the subject of that Apostle in due course in the following pages.

## The Fallacies of Sense-Perception

On those opening paragraphs considered thus far, one might now ask: why, then, do ostensibly sane and cultivated men and women, believe in the sort of opinion which might be attributed to the often imagined “infallibility” of mere sense-perception? Why are we, so often, so foolish as to believe, as if in acts of blind faith, ideas such as those popularly associated with our ordinary five sense-perceptions? The worst of such effects, is to conceive of the human personality in terms of that childish naive view of the human individual, which is to say, as being essentially a creature defined by sense-perception.

How does this work?

In now approaching the close of these present, prefatory remarks, let us now consider, once again, the prominent role of that modern European evil which is called “liberalism,” such as that of the evil Adam Smith.

In modern civilization, the commonplace expression of the worst cases of simple-minded opinions respecting sense-perceptions, is typified by British and related forms of **Liberalism**; the most notable expression of this evil is typified by Adam Smith’s 1759 **Theory of Moral Sentiments**. Smith is emphatic in insisting, as his most notable followers have done in similar ways, that human beings of a “Liberal” disposition are, commonly, systematically incapable of distinguishing truth from falsehood; in practice, Smith, or his like, frankly prefers a systemic quality of falsehood.



The irrationalist's fanatical emphasis on "sense-certainty," lends itself to the effect of the notion, that the human individual is to be considered as being intrinsically incapable of distinguishing truth from falsehood; but, is, rather, a hapless victim of what is, ultimately, a combination of merely adopted rules of behavior, and of the mere perceptions of pleasure and pain.

What, then, must be adopted, instead of sense-perceptions, for the purpose of defining the quality of evidence which points us to access to those discoverable, experimental principles of evidence, the which identify those effects which are to be properly treated as the expression of the experimental evidence which should be regarded as an actually efficient principle of physical science, or the like?

Now, as to the matter which is to be considered as the crucial subject of this report: *What is to be ad-duced, decently, from the experience of human sense-perceptions?* Take the particular case of common use of the notion of human sense-perceptions. For our example here, examine the ironies among the variously claimed and the actual powers for access to what merely approximates actual knowledge, and the role of those, who have been at their best, poor reflections of reality respecting what we are accustomed to identify as the (actually) highly misleading ideas associated with "the customary human sense-perceptions."

Until mankind had risen significantly above the level of quality of the knowledge commanded by simians, or, comparably, above the mere "five senses" which constitute the core of ordinary human sense-perception, mankind remains lodged, for the greater part, still today, virtually as much like an animal as also mankind. At such a time, man is a troubled creature. Mankind is situated within his, or her powers to perceive current experience.

If such embarrassing poverty of products of pre-scientific and comparable sophistication of principles are to be considered examples of something actually fit to be considered as knowledge, mankind nevertheless enjoys a kind of potential for still higher qualities of knowledge, knowledge whose acquisition hangs on the role of the Classical-artistic principle of metaphor, as that principle is expressed through constructions typical of Classical notions of artistic composition.

Those available, but rarely developed higher notions of Classical-artistic imagination, which are to be located beyond mediocrity and mere doctrinal formalism, beyond reductionism, are to be reached through experiencing awareness of the higher, Classical forms

of the imagination, which we must locate in the notion on which depend the powers associated with man's actual Classical artistic and related discoveries, upon which the discovery and use of universal principles depend. Those are the powers which depend, in turn, upon the acquisition and maintenance of actually effective scientific progress, and on which the needed modes of advances of the human species' practice largely depend.

Rather than taking sense-perception literally, as if sense-perceptions were "real," rather than being merely shadows cast upon our senses as sense-perception *per se*, we must discover that which has cast such shadows.

Contrary to that warning, as in the case of the wretched liberalism of Adam Smith and its likeness, which is currently expressed in various forms of axiomatic irrationalism in cultural developments, what may be regarded as virtually rational mental behavior, is not secured in any systemic way; it is only constrained, at least this is largely so, as mechanical-like functions are typified by mechanical-like forms of merely induced habits of behavior.

The common use of symbolic representations, such as by the mistaking of words for the relevant, "physical actualities," is a product of blind faith in mere sense-perception, as of the notorious five bare, nominalist "sense perceptions," for the notion of universal principles, such as the discovered physical principles of Johannes Kepler, as typified by the unique discovery of a principle of gravitation by no one other than Johannes Kepler, by the work of Bernhard Riemann, and by the forward progress in developments of the powers of ontological insights of the human mind, as by Max Planck and Albert Einstein in their time, and V.I. Vernadsky, at a still higher level, in his.

Never trust the judgment of a presumed expert, even a professional one, if that person's outlook is premised largely on what have become, increasingly, as, notably, increasingly dominant, downward trends, such as those which have been dominant among us since the death of President Franklin Roosevelt; the latter are typically expressions of faulty, reductionist methods of what may be rated even as "clinically expert judgment," even among what may otherwise reasonably be presumed to be a high quality of professional judgment.

That kind of problem, posed in those or comparable terms of even "professional expertise," presently predominates among what are, regrettably, to be rated as "professional" qualifications under such conditions. To

repeat: wherever actual higher cognitive functions are corrupted by “literal forms of expertise,” as also among laymen generally, the judgment of the putative expert is to be questioned, as being perennially in doubt. “Liberalism” and other forms of “reductionist skills” are to be regarded with caution, even sometimes with contempt, this because they should become suspect whenever they are defending their putatively “expert habits” which come into play as products of reductionist rationalizations.

I can speak with a demonstrated, relatively extraordinary authority in what I have presented here, thus far in this publication. This is so because it represents something which frequently represents a virtually unique authority in the domain of economic forecasting and related topical zones.

Specifically, on the matter of general forecasting, my own increasing authority, as over the interval 1956-2011, must be recognized, from evidence of practice, as, not only superior, but essentially, exceptionally unique as a standard of relative professional excellence in the results of performance in that field.

On this same account, the current presentation is therefore intended to provide a basis for prompting a more efficient insight into the basis for the unique successes of my methods of forecasting, as manifest in the conditions of virtually terminal economic crisis gripping much of the world at large at this present time. This quality of application of distinctions of professional competence, has been successful in fact, but, nonetheless, rarely accepted, publicly, until recent years’ frequent exposure of the incompetence of what had been considered customary, but also intrinsically incompetent expressions of reductionist deductions in matters of economy.

This, is not limited to my, so far, exceptional competence in the particular professional realm of economics as such, but swarms over the entire range of subjects of related expressions of current social theory; it is a subject belonging to domains of superior professional and related judgments generally, not only within the bounds of the physical science of economics and closely related matters, but in the foundations of the subject-matters assembled for this present report in progress here.

Let us now proceed from there.



EIRNS/Stuart Lewis

*“Everything which is critical respecting the principled features of my record of performance as a forecaster in modern economy, is to be found in the wake of what threatens to break out this very week of my 89th birthday—the birthday of the most successful forecaster of my own generation.” Here, LaRouche celebrates his 89th birthday with friends.*

## I. The Fundamental Principle

Thus, respecting what I have said here thus far: my authority respecting the subject-matters which I treat throughout this present report, rests upon my fairly unique record of successes as a forecaster of crises and kindred classes of phenomena in modern economy. This is especially so respecting leading cases from among the trans-Atlantic economies, up through relevant recent times, since 1956-7. The distinctions to be made on that specific account, are to be considered case by case, in one sense, as quantitative, but, taken, in another sense, as a series of relevant, critical events, which are qualitative, thus matching the character of expressions of a physical-scientific principle.

The world, especially the trans-Atlantic world, is at this very moment, gripped by the worst financial crisis in modern history: most probably, this very week—unless something which would be almost beyond belief were to intervene.

Everything which is critical respecting the principled features of my record of performance as a forecaster in modern economy, is to be found in the wake of what threatens to break out this very week of my 89<sup>th</sup> birthday—the birthday of the most successful forecaster of my own generation. Meanwhile, the errors of what have been my putative, professional rivals, have

left nothing of their doctrines standing under the virtually terminal conditions of the great trans-Atlantic breakdown-crisis presently in motion.

The issues thus posed, belong among the qualitative matters of physical science, rather than a merely quantitative one. My present proposal for a general, physical-economic recovery from the presently “crashing,” trans-Atlantic “breakdown crisis,” is the design which defines the specific, science-driven achievements waiting to be gained now on this account.

### The Challenge Now Before Us

The greatest specifically contemporary obstacle to progress within the bounds of what is widely accepted as modern academic science, is to be found in *the empiricist’s mistaken presumption, that “the five so-called principles of sense-perception” have actually defined a presently accepted opinion respecting man’s presumed power to regulate both man and nature by means of certain intrinsically pathetic “a-priori” presumptions. As I have emphasized in the preceding, prefatory arguments heretofore, such claimed powers belong to the domain of fantasies, at least essentially so.*

One should not have been surprised to discover, that the most familiar form of even tragic follies, would turn out, in the end, to have been what had passed widely for the failures of the popular fantasies which inhere in what is called, ironically, “common sense.” *Take, for example, what I have just cited as the case of widespread belief in the “popular” so-called “five” common senses, as the most typical, and the most commonly celebrated of those systemic errors of judgment.*

To illustrate this point, consider the proofs presented by the original, modern discoverers of the true principle of universal gravitation. For that purpose, *take, once again, the cases of, first, the astronomer Johannes Kepler, who was the first and only presently known discoverer of this principle, and, then, add the similarly ironic genius expressed in the related, masterful achievement of that great physicist, Albert Einstein, who, later, adduced from Kepler’s work, the crucial principle of the notion of the universe as “being finite but not bounded.”*

The considerations posed by the successive discoveries made by those two, leading modern physical scientists, should now lead in promoting the attention among us, to what may come to be considered as the most crucial of the modern contributions to the ad-

vancement of science in the time of those still living today. The following argument identifies the principled nature of the issues involved.<sup>8</sup>

*Take the case of the great fallacy which is lurking in modern physics at this ironic moment, today. This is to be located as a systemic error of presumption which mistakenly treats sense-perceptions (e.g., the “five as such”), as being a primary fact of applied physical science. Kepler’s discovery of gravitation, and Einstein’s hereditarily related views on a finite universe, a view which is not bounded, are combined as being virtually explicit on the point I present here today.*

To begin our approach to developing the case which I have just introduced in that fashion, consider some ancient precedents for the same class of problems. *Consider, for example, the instance of the sheer fraud of what is called “Euclidean geometry.” That, like all pseudo-scientific frauds of what is termed “a-priorism,” depends upon hoaxes such as both “Euclidean geometry” and the silly, but greatly admired notion of “an original five senses.”*

The attempts to premise the evidence of physical phenomena on measurements and related implications of the notions of sense-perceptions, especially as associated with deductive methods, pollutes physical science through attempts to mistreat actual physical principles with what are actually the shadows cast as phenomena such as sense-perceptions, that in defiance of the best of the ancient Classical Greeks, and, later, of the scientific method associated with the legacy of such as Cardinal Nicholas of Cusa, and including the particular work of Johannes Kepler’s method in the discovery of the principle expressed in respect to the intermeshed notions of a vicarious hypothesis and of the actual discovery of gravitation.<sup>9</sup>

*Among all of the a-priorist forms of expression of the indicated errors in the use of the notion of sense-perceptions, the most urgent now are those expressed*

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8. My own discovery in this matter is complemented by a kindred examination of the same issue of modern physics being addressed currently by my colleague Jason Ross. Jason Ross’ approach is referenced to the still debated issues arising in the efforts to reconcile the approach to the notion of Abelian functions by Abel and certain others with that associated with the discoveries of Lejeune Dirichlet and Bernhard Riemann. My own approach to the matter is presented, summarily, in this present location.

9. Consider the systemic error of Archimedes’ notion of a quadrature of the circle. The correction of Archimedes on this account, was introduced to modern science by Cardinal Nicholas of Cusa, a correction which reflects Cusa’s treatments in his **De Docta Ignorantia**.

with presently embittered irony in a reductionist's radically reductionist, simplistic attributions to the word "time." On this point of a systemic conflict between the notion of experimental physical science and that of formal mathematics, we are confronted with the essentially existential battle between the influence of a reductionist mathematician, such as that of the tribes of the followers of the hoaxster Bertrand Russell, and the actual experimental, leading modern physicists such as Brunelleschi, Nicholas of Cusa, Leonardo da Vinci, Kepler, Fermat, Leibniz, Gauss, Dirichlet, and Riemann, Max Planck, and Albert Einstein.

What I have thus just said, so, here, in this present chapter, thus far, is not only true, relative to any contrary opinion; it is fully correct as to what it claims for itself, but, if it goes no further, remains, presently, as customarily, dangerously incomplete; it is, even, sometimes, brutally misleading, not for anything which is thus said, but for what could be awfully problematic in respect to what remains to be left unsaid.<sup>10</sup> The case of the evil Bertrand Russell and his Twentieth-century generations of dupes of such as Russell's depraved Cambridge school of "systems analysis," is, as I have already emphasized here, a most relevant, clinical case-in-point.<sup>11</sup>

Otherwise, *the same ruinous tendency menacing the world, especially the trans-Atlantic world, at the present moment, may be classed, from much earlier times, as the conflict between the "a-priorism" of formal mathematics, as since the wretched a-priorism of a lying Euclid, in contrast to the relative sanity of a truly*



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*The "Brutish" Royal Family: The British Empire today—a true expression of a "Third" Roman Empire—is the greatest of the enemies of civilization stalking this planet.*

*physical science.*

The issue to be put forth here, is of the nature of the essentially functional differences among successive variants from among a series of living species. That is to emphasize, that the evolution of the species within the domain of a relative set of successive, ostensibly rival species, presents us, as now, with what is in some very meaningful way, the deadly opposition among what are to be considered as successive species among a sequence of what represents, functionally, deadly rivals trapped in a common ruin.

Such are the distinctions among oligarchical modes in human societies, as in mutual opposition to a society ordered in a manner coherent with the original U.S. Federal Constitution, or, perhaps better considered as within the opposing, inherent state of conflict defined between marsupials and mammals.

## The Brutish Empire

The British Empire of today, is a true expression of the legacy of a "Third" Roman Empire, and also the greatest of the enemies of civilization walking and stalking the planet presently.

That is, for example, exactly the nature of the conflict between a society consistent with the British monarchy (a vicious form of the broader oligarchical pestilence) and the original Federal Constitution of the United States.

10. The failure to denounce the so-called "principles of sense-perception," is a prime example of such fraudulent oversights. The fraud of Euclidean geometry's a-priori "principles" is a case in point.

11. Cf. The Laxenberg, Austria, **International Institute for Applied Systems Analysis (IIASA)**.

However, this conflict has an alternate implication: it portends a society reaching a state comparable to the fatal decadence of British imperialist's control over the British imperialist system of "Governance" which has recently gobbled-up the Western and Central European continent. This "gobbling-up" process, presents us with a system rooted in the same oligarchical principle which has continued to dominate the ruling, oligarchist systems of Europe over the span of a ruling imperialism in Europe from the fall of the Persian empire, through to the present smell of the onrushing doom of the British empire today.

*This British imperialist legacy copied, most notably, from the ancient Roman Empire, has become standard for the ruling system of Europe since that time to the time of the disintegration of the European imperialist reign of the British empire, a system which has reigned in and over Europe, since the first establishment of the Roman Empire in the inherently depraved, social systemic features of "governance." This empire is presently, inherently doomed to being more or less totally destroyed by the mere virtue of the fact that it is such an inherently imperialist system of "governance."*

That is precisely the augur of the doom which would, very soon, bring on a great genocide of mankind, if the present British power over the economies and political systems of the trans-Atlantic region, were not eliminated from the world stage during the immediate period now just ahead.

True, there have been great values included among the advances in European cultures, but, excepting, chiefly, the case of our United States, the achievements of European cultures have been usually contained within the shackles of the still-unbroken legacy of a Roman imperial reign, an imperium which has been customarily a ruling power over the nations of Europe and beyond, since the Roman empire was first established among the sexually and otherwise notorious goats of the Isle of Capri.

All of the great accomplishments of a superior United States over those imported European afflictions suffered by that which has been our United States, have been menaced, and often set back, as if tragically, by failures brought upon the world by an imperialist tyranny associated with the cause of civilization by forces which have been organized by the continued tradition of the presently extended Roman empire, that through the now currently tragic reign of Queen Elizabeth II.

To refer to that kind of systemic conflict which I

have just summarized, now brings to our attention the sign of what is presently threatened, as the onrushing, near-extinction of no less than the overwhelming majority of the trans-Atlantic peoples, as a present threat which might be, beyond that, perhaps even a prelude to the early extinction of the human and other species. This were the immediately threatened situation, unless certain changes which I had prescribed, as in July-August 2007, were installed in the United States, immediately, now.

That case should serve as an illustration of the same principle of threatened relative, or even inevitable mass-extinction which the present conflict between the British oligarchical and American Constitutional systems were sufficient to threaten, or even bring on very rapidly, at this present moment in time.

That much said on that particular account, turn now to consider the specific, scientific underpinnings of such a state of conflict.

### **The Scientific Principle**

*All the leading aspects of physical science presently relevant to the foregoing matters, should be situated in a view of an alternative, prospective continuity of physical-economic progress. This should be referenced to the succession summarily represented by the successive achievements associated with the contributions of Bernhard Riemann and Russian Academician V.I. Vernadsky, achievements through the progress of physical science, to what is the proper reality of human life.*

That just stated here, is not the "final word;" it is the anteroom to a higher-ranking, more profound consideration. That higher consideration, is the fact that neither the physical domain, nor the notion of time, are respectively independent "factors." Scrap the silly category of "space." The implication is, that putative domains of neither physics nor physical time, are truly independent factors; *only the living process of physical-time*, exists. The implication is, as I have repeated with increasing emphasis, that, in this universe, the essential form of existence and its existences, could be nothing different than that view from the parapet of physical time.

The fact is, that, when the relevant facts are taken properly into account, and the type properly identified as the "creative principle" is expressed approximately as the creative powers of the human mind, those creative powers are to be recognized as the reflection of a single principle of creativity; that arrangement only





*The principle of the human mind “suggests the awesome reality of a Creator.” Shown: a detail from Michelangelo’s Sistine Ceiling in the Vatican: “So God created man in his own image, in the image of God created he him; male and female created he them” (Genesis 1:27).*

typifies the reigning universal, immortal principle which rules mankind’s world.

At such physical times, we should view the subsumed domains of the life of plants and animals, and of, also, what is attributed as being the non-living domains, as under the higher, subsuming reign of the domain of the highest of the notions of living processes, a reign reflected in the notion of the actual mind of a representative of the human species. I speak, thus, of the domain of that principle of *mind as such*, which is associated with the conception of a truthful image of the reign of the principle of the human mind, the mind which suggests the awesome reality of a Creator.

That much said here, thus far, we are confronted, as I have just stated this point earlier, with the indication that *the act of creating does not exist independently of the Creator. The latter two, are but one and the same.*

### Some Considerations

Discuss this point a bit. Consider some “handy illustrations” presented here and now, so that I might illustrate some relevant aspects of what might be identified as “ironies of sense-perception,” or, were it better said: *self-deception*.

Take the case of the names employed to indicate the media within whose bounds human action is presumed to act upon what is believed to be the universe. Consider, for example, the fictitious, and silly, terms employed in defining the medium of human action upon the universe as expressions of a concert of “space, time, and, matter.” In the first case, “space” as such does not

actually exist as it is customarily assumed to exist today. That is to emphasize, that “space” is filled up “as if to the gills” with the medium of universal cosmic radiation; the notion of “discrete matter in space,” is a dubious sort of notion.

That is not to deny, even in the least degree, the “efficiency” of the physical processes which the scientist and other relevant parties are required to consider. The source of the relevant ironies of what had been recently current conventions, is the fallacious presumptions bearing on the designs employed for customary or com-

parable habits. *The root of such difficulties is located in a misconception of what we are generally accustomed to identify as “time as such.”*

Admittedly, for many, these statements by me are shockingly novel conceptions, albeit fundamentally valid preferences. This signifies that we are obliged to venture to swim into what many would regard as “strange waters.” They are, none the less, the domain of realities. Continue this process as follows. Weave the subject of “time” into this, in the following manner.

Come and play with me on the following blend of subject-matters, some to tease the mind, and some to indicate the location of proofs: but, all to a common end.

### What Is Time?

If you wish, you may view what I am about to say now as “speculative;” then, for that case, consider the snare which traps you once you were tempted to play with what might appear to be merely a harmless bit of what seemed to have been “speculative” play. It is now appropriate to sense yourself as captured by the lure of *physical time*.

*Let “time” be the measure of physical action.* Now, attempt to measure existence in time; how might you escape that embrace which united the two? Whence did that “time” come into existence, except by that which measures it? “Space-time” can not be the union of something which might be compared to a union of two variable magnitudes; try to disentangle the union of the two without losing the existence of both!

Time, which is inherently to be measured as action in, and of physical processes, and time, whether relatively forward, or otherwise, measures—e.g., “measures”—physical processes. That might appear to be a silly thing to say; but, it is precisely the honest silliness of the appearance which attracts, and, perhaps, entraps our imagination; “imagination” regulates the way in which we must act.

Months back, I presented the idea of a notion of apparent reversal of the direction in physical time, that as implicitly an intended refutation of the notorious folly of Pierre S. Laplace respecting the concept of simple-minded time. There has been a study of the implications of such a view of the function of what is fairly measurable as a notion of a case of a reversed physical time by a notable associate since that time. Only the applications of explicitly *physical* cases, are convenient for elementary studies of this case; but, the lure of the matter becomes, as Alice said, “curiouser and curiouser.”

## II. How the Modern Principles Were Discovered

The most significant example met in the early phases of modern physical science, is that echo of the method which was introduced by Cardinal Nicholas of Cusa (A.D. 1401-1464), and as later found in the discovery of the physical principle of Solar Astronomy which is expressed in the type of case implicitly posed in the present Foreword’s preceding remarks on the subject-matters of ontology.<sup>12</sup>

12. Perhaps the most notable precedent for Nicholas of Cusa’s seminal **De Docta Ignorantia**, was implicit in Filippo Brunelleschi’s contribution to the cupola of the Cathedral of Florence. There, Brunelleschi introduced the physical principle of the catenary (e.g., funicular) curve as a *physical principle* of physical construction. The further development of the notion of this curve was echoed by the extended notion of the



*The human sensorium differs from that of the apes, by virtue those higher principles of human consciously willful creativity. The Classical artists of the 15th-Century Italian Renaissance challenged the reliance on the “five senses” with “trompe l’oeil” (trick of the eye) images, such as this oculus by Andrea Mantegna on the ceiling of the Camera degli Sposi (1474), Mantua.*

So, consider the human species. The human reading of its specific sensorium differs from that of the apes, by virtue of the consciously willful, conscious (or, *pre-conscious*) character of principle specific to the human quality of the higher cognitive powers associated with those higher principles of creativity specific to the human individual.

That latter, just-stated distinction, is the crucial distinction of the human species and cultures specific to the human species.

The following species of dialogue flows from the implications of that fact.

Now, make reference to Johannes Kepler’s treatment of the principle of an harmonic system of Solar

combined catenary and tractrix by Cusa’s follower Leonardo da Vinci, and as implied in aspects of the work of Johannes Kepler. Note the relevance of a certain error, which was exposed by Cusa, as Archimedes’s erroneous effort to define the generation of the circular curve according to a merely formal geometry (such as Euclid’s). Otherwise, Cusa’s **De Docta Ignorantia** is the most crucial founding work for a modern physical science.

planetary orbits. Kepler employed the ironies of the system of planetary Solar orbits to define a general principle of Solar gravitation, rather than the silly notions common to the dupes of a man who never actually discovered anything, Sir Isaac Newton.

Let us try out a different approach:

Let us situate the human species and its origins within the changes within the bounds of the Solar System during approximately a half-billions years of existence of either the human species and/or its fore-runners. Let us, for what should be obvious reasons, examine this matter within a larger span of lapsed time within our local galaxy. Consider the fact that the existence of the human species, is defined by the existence of life-forms which have been the origins of those species of which the human species is an included original development of its own being, all considered within the existence of the relevant galaxy.

The most typical frauds employed as pretenses for actual scientific inquiries are typified by the so-called “Axioms” of Euclidean geometry. In fact, Euclid’s principles are derived, essentially, from an arbitrary belief in the notions of sense-certainties, such as the case of an adopted five categories of mere sense-perceptions. This and kindred systems of so-called “geometry,” had been challenged as being the result of the attempt to elevate specific categories of human sense-perceptions to the rank of a closed set of all-encompassing, “self-evidently universal” principles of the universe.

### **Actually at Puberty**

My first confrontation with what is usually called “Geometry” occurred to me in the dawn of my puberty, during visits to the site of the mooring-in-retirement of the U.S. Constitution. My father often spent a family Sunday afternoon or similar occasion, either at Boston’s Franklin Park Zoo, or the Navy Yard where that U.S. Constitution was berthed. Repeated visits to the latter site prompted me to wander into other sites of that Navy Yard, where I found myself fascinated by modern designs for the support within high-rising steel structures. The particular benefit of the latter visits inured me permanently against the silly idea of what was taught as the secondary school classroom’s “Plane Geometry”—and its sequels.

In the first session of the class, I “foolishly” volunteered the suggestion that certain structures were made relatively the “stronger,” by aid of “holes” within the supporting beams of high-rise structures, such as those

which I had studied with zealous fascination during repeated visits to that Navy Yard. After the ridicule which I received as a result of my suggestion in that first session of that class, I have never believed in any mathematics which was consistent with what I came to know with perfect certainty, as the wittingly fraudulent dogmas of Euclidean geometry.

In later years, I had lost much of the awe for not only “Euclidean Geometry,” or its likeness, but had added my contempt for Cartesian geometry, and for anything with characteristics of a similar import. The refinement of that class of aversions led into my “going over” rather passionately into cross-checking of English translations of Bernhard Riemann’s habilitation dissertation and my clumsy, chemical engineering student’s exposure to the original German text, now wandering into what was to become an extraordinarily successful practice as a leading economic forecaster of the post-World War II generation, up through the leading position in that role which I have occupied since my uniquely successful forecast of the exact form expressed as the late-February-early-March 1957 U.S. recession.

The most notable of that latter series of those successive forecasts, since that of the 1966-1971 recessionary process, have been a serious factor in the economic crises, more and more notably, up into the Summer 2007 forecast of the great, trans-Atlantic depression which sent the trans-Atlantic world into the virtually hopeless general depression which threatens to bring down the world’s physical economy during the weeks immediately ahead.

This forecasting record was thus rooted, as a conception, in the rejection of “Euclidean Geometry” during my adolescent years. This is to say, to the same effect, as my peers’ grave effort in swallowing the hoax of a more or less rabid devotion to the mis-education which most of them had swallowed, in the expectation of the receipt of kindly grades and kindred honors, and of the pleasures experienced among some admiring parents during those folks’ adolescent and university educations. Those who had submitted had gained in sundry ways; it was the nation, our own and others’, which paid the price as a consequence of what were fairly dubbed “successful failures,” which have crippled many misguided, apparent “successes.”

Actually, a Euclidean, or kindred scheme of such a doctrinal geometry, was never actually a universal system of belief within the scope of our actual knowledge. The superior quality of navigational systems

reaching, or approaching a global mapping system, shared quite different systems, as in the work of the Pythagoreans, and others of kindred disposition. The Euclidean and kindred systems have been actually products or likenesses of ancient social-political systems associated with culturally degenerative expressions of social systems consistent with expressions of those named, specifically, as oligarchist types of social-political systems convergent upon the imperialist systems of the degenerative phase of Sumer, of ancient Babylon, of the Achaemenid empire, and among the categories of Mediterranean-centered imperialisms of such as the original ancient Roman imperial system, and its reincarnations as Byzantium, the feudal form of the Venetian imperial, feudalist monetarist system, and the new Venetian party of the followers of Paolo Sarpi's cult. The latter is the cult represented by the presently reigning, globalist form of the dismal failure of the British empire of Elizabeth II still today: e.g., the cult of Adam Smith et al.

The only significant system which is not dominated by the legacy of the Romanist empires, still today, was that launched intentionally by the original system of the Massachusetts Bay Colony under the leadership of the Winthrops and Mathers, the colony which escaped, to become our U.S.A., from the imperialist rule by the New Venetian Party known as the British imperial system which dominates the trans-Atlantic and closely related regions now.

In fact, since the formation of the original U.S. Federal Constitution, as under the economic principles associated with the designs of a national credit-system-based economy, explicitly Hamiltonian principles have been embedded in the crafting and founding of that original Constitution.<sup>13</sup> Those who conformed in opposition to the likes of Treasury Secretary Alexander Hamilton, were honored by the devotees of British Liberalism; it was our nation which has suffered the consequent ruin, as since the death of President Franklin Roosevelt, and since the assassinations of John F. and Robert Kennedy.

The constitutional obligation which the foolish or corrupted admirers of Adam Smith had rejected, was nonetheless established as a tradition by the anti-"Tory" opponents of Adam Smith who rallied for the Massachusetts Bay Colony's Seventeenth-century leadership,

13. Any government of the United States is obliged to fulfill the intention expressed by the Preamble of the U.S. Federal Constitution. This includes the intention of establishing and maintenance of a credit system, rather than utilizing the option of a typically European model of a mere monetarist system.

most notably under the role of the Pinetree Shilling established under the Winthrops and Mathers, a role which had been continued until that government was crushed through the rape of Massachusetts by the New Venetian Party's Paolo Sarpi follower, William of Orange.<sup>14</sup>

Look back to the entry, at a later time, of the traitors Aaron Burr and such sometime Burr lackeys in the U.S. Presidency as Andrew Jackson and his one-time financial patron and successor in the U.S. Presidency, Wall Street's Martin van Buren, the latter the putative author of the Panic of 1837. From that time, until the U.S. republic's victory over the British empire and its slaveholder lackeys, a victory by President Abraham Lincoln's United States, the U.S.A. had been largely isolated and weakened by the rapacious British empire and its lackeys. Under Lincoln and President Ulysses Grant, that U.S.A. had surged to emerge as leading physical-economic power in the world at large. However, the assassination of President Lincoln by British channels, was a killing brought about through treasonous (chiefly Wall Street) scoundrels operating as lackeys of British imperial monetarist agencies. Under such circumstances, despite the struggle of our patriots against a treasonous pack of British financier lackeys in our midst, as under President Barack Obama today, the wicked tools of London had delivered their dirty service to the British imperial cause.

### Under an Oligarchical System

All relatively well-known and dominant models of modern economy, are broadly divided among two principal kinds of systems and their respective allies, and also British lackeys. The one is the essentially preda-

14. As a result of the disintegration of the authority of the Habsburg-led Council of Trent, the original Venetian interest was divided into the Habsburg-associated faction which became known as "the Catholic party," in its opposition to the New Venetian Party of Paolo Sarpi. This division led into a revived wave of religious warfare. The decline of France's Louis XIV, and the rise of the Anglo-Dutch party associated with the followers of Paolo Sarpi, most emphatically since the "Seven Years War," led into the 1763 Treaty of Paris, through which the Protestant Party of William of Orange and the establishment of the newly minted British Kingdom created the conditions associated with the rise to power of Lord Shelburne in post-1763 developments leading into his 1782 accession to the Ministry. Shelburne's organization separated oppositional elements through respective British treaties among the United States, France, and Spain, and by creating the British Foreign Office. The Office has served as the actual ruler of the British Empire over most of the world, as over virtual British puppets, including numerous terms of the U.S. Presidency, as under George H.W. Bush, George W. Bush, Jr., and British Royal puppet Barack Obama, since that time, to the present date.



tory model, such as the British oligarchical model today, and the other, the republican model of Benjamin Franklin, President George Washington, Treasury Secretary Alexander Hamilton, and such others as Presidents John Quincy Adams, the assassinated Abraham Lincoln, the assassinated President William McKinley, President Franklin Roosevelt, and the assassinated President John F. Kennedy and his brother, all typical as figures hated by the British imperial monarchy, all the latter associated with the legacy of such as the Pythagoreans. That said, now, consider the folly of adopting the notion of the role of money as a political reality, rather than as a system of political credit uttered in assistance of fostering growth in support of a physical-economic reality.

That is political-economic reality in science.

### III. The Future of Mankind, Now

It is possible to infer a future, possibly higher state of the human mind when man has willingly left behind the “baby talk” of such practices as contemporary mathematics. That end of the practice of a monetarist’s virtual baby-talk, will come when that termination of childish myths of money per se was done in order to enter a higher state of intellectual life, a higher state in which the folly of present academic habits of reductionism has been abandoned. By that reference, I signify a physical space-time conceived as a domain of cosmic radiation, a domain which is adopted in its recognized use as a revolution in the notion of the function which brings speech closer to a universality of a higher system presently implied in its presently Classical system of harmonics in composition in the schools of Johann Sebastian Bach, and in such among his devoted heirs as those named Haydn, Mozart, Beethoven, Schubert, Mendelssohn, Schumann, Verdi, and Brahms.

We must no longer abuse ourselves and our neighbors by mistaking the categories of the five primitive sense-experiences, for intelligible “meanings.” Nor shall we tolerate the debasement of humanity by al-



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*When mankind abandons the “baby-talk” of monetarism, and reductionist notions of time and space, he will enter the domain of physical space-time, a domain of cosmic radiation. Shown: Northern light over Malmesjaur Lake, Lappland, Sweden, May 13, 2011.*

leged entertainments such as the animal sounds of the alleged “popular” musical entertainments of today. It will be a time when “grunt” means “grunt,” rather than intending to convey something of a human quality of cognitive experience.

That is the future; but, happily, there are already some of more melodious disposition who are actually exploring that domain of a qualitatively higher, future habit of syntax. That is to suggest: “Speak of the future?”

“You, brother, have still, clearly, a long way to go.”

A few hints respecting the product of that future will help to make the general notion of this future a bit clearer, as follows.

This would not be an empty diversion; many today would be able to recognize some practical hints as to what that future development would represent. If we are intent on actually entering the human culture of man’s future, there are some practical steps available, if we were determined to begin to sense what such a projected development would mean. Admittedly, what I shall have written here, points to only a few cases which might be explored. However, for the case immediately at hand, a few indications will have to suffice for the moment.

The first steps to be taken, must, of necessity, be, primarily, negative examples. The most significant of the “baby steps” into the linguistics of future science, are, thus, also, necessarily, of a negative portent: what’s wrong with the way in which you speak—and, more important, think?



## Tones Are Everywhere

Crude human speech, and syntax, too, is signified, in crudest expression, by the belief in a so-called “five senses.” Therefore, reduce that set of five senses to the mere names of their respective sets of frequencies. Now, try out singing of those relative tones, with the intent of creating, thus, a chosen five-tone scale.

Now repeat that exercise for about twenty such points on the scale. Now, ask oneself: “What is the number of such notes which seems to correspond to a meaningful assignment of about twenty such notes?” What, assuming that you have chosen a relevant set and number of such notes, is the extendable relationship between that choice of a scale, and the allegedly real objects of action by means of which you have implicitly created a “language” which is chosen by you to represent some actually physical process.

You have now established some form of the real irony of the attempt to make an arrangement of sounds, defined in such a way, which attempts to convey a specific notion of some process corresponding to, for example, some chemical process. In other words, we are thus addressing the subject of symbolic relationships.

For the sake of a highly desirable approach to convergence between the two arrays, of symbol and a real process, we have gained a virtual leap to the obvious choice: of Classical musical composition and its actual performance. We have thus established at least three “parallel” cases (e.g., “channels”) of sounded representation in the abstract, of “music composition as such,” and, of the series corresponding to the physical intention of the formal series. We may have not succeeded in transmitting the object itself; nonetheless, we will have moved the content of the action from the fantasy-place of the present name of the object and its location to an at least closely positioned address in the proximity of the preferred target: in short, the mailman is in the relatively immediate vicinity of a civilized one.

That, however, is only a beginning.

By the time the development of intra-solar traffic has become fairly describable as regular, or nearly regular, production on the site of imports to, and from, nearby planetary locations will have been established to a significant degree. A certain degree of regular traffic among, and between planets will have begun. That traffic will be of products and imports from and between Moon-site (relatively more significant then), but also interplanetary traffic. The traffic will be promoted less by trade (during early times), than scientific and security measures mustered on behalf of security

among the bodies of the Solar system, and also security measures taken on behalf of the interior of the Solar system. The accelerated rate of expansion of security measures will be in defense against the new threats which altered “weather climates” within both the Solar system and the changing galactic developments will offer.

The general shift of emphasis on the physical security of Earth, as within the Solar system, and regions of the galaxy, will be motivated by what may be classed as natural security. Threats from “natural sources,” rather than human adversaries, will play an increasing role. The nakedness of man’s lack of means for assessing and meeting the challenge of “natural” threats to mankind from within the Solar system and also the galaxy will be increasingly obvious as being natural threats to the security of mankind. The currently accelerated increase of security threats which must be broadly classified as “natural climatic disasters” is already becoming an accelerating source of grave strategic menaces to Earth-dwelling targets, chiefly what are to be classed as “natural” present and new types of “deadly” weather-conditions on Earth itself.

The general requirement will be accelerating demands for accelerating rates of energy-flux densities in technologies and the related capital-intensities. The urgent role of development of global systems of very high relative energy-flux density, as led by projects such as an extended role and capital intensity of systems such as an extended role of NAWAPA, linked, increasingly, to global development systems tying the continents of the planet to trans-oceanic and continental systems of increasingly higher energy-flux density and rising capital-intensity, will be rapidly extended, and with a rapid increase of the intra-planetary development.

Despite the rapid rates of increase of global-intensity of developments, the effective intensity of developments within and beyond the Solar System will soon begin to accelerate, rather than deter the rates of the mass of development across the widening distances and energy-flux densities required by the development of the planetary system.

Mankind’s density obliges us to change, now, and that increasingly, that in every direction, in every challenge, and in every effect.

These challenges will become more an increase of mankind’s power to exist, than a drain upon what might appear to many, presently, a limited prospect of our future.

# Restore the Trust of Our People: Fire Obama; Revive Glass-Steagall

Lyndon LaRouche gave this *Emergency International Presidential Address*, via LPAC-TV, on Sept. 7, 2011.<sup>1</sup>

Since this past Sunday, the trans-Atlantic world had already entered a general economic breakdown crisis, one worse than that of Europe's 14th Century. As long as this President, Barack Obama, remains President, remains in office, not only the United States, but also the region of western and central Europe, is now being plunged into a breakdown crisis like that of Europe's 14th-Century New Dark Age. It will probably be one, if we allow it to occur that way, even much worse than that of 14th-Century medieval Europe.

There is an alternative which must be adopted, immediately, now. If the will exists to take the necessary action, there is an option under our U.S. Federal Constitution, by which not only our United States can be brought into a genuine economic recovery, but our immediate action, under the Constitution, taken now, could bring our republic into a genuine recovery from the plunge into darkness which has been underway, since the rejection of my July-August 2007 Homeowners and Bank Protection Act, which was submitted for adoption by the Federal states, at that time.

Instead of that reform, the members of the U.S. Congress and the Federal Presidency acted at that time, and since that time, later, to plunge our republic into a spiralling downward motion, into policies which now dump our republic into what has become the greatest economic crisis of the trans-Atlantic group of nations, so far, in history.

Now, as of this past weekend, beginning this past Monday, the economy has fallen, thus far, into the *steepest financial breakdown crisis* of modern trans-Atlantic history. Fortunately, our republic could still be rescued at this time.

As many know, I have a record of being among the

leading economic forecasters for our United States, during the recent decades, as in my uniquely successful forecast of 1971, of the Richard Nixon depression, and also the deep 1980 recession, the steep recession launched by the George W. Bush, Jr. Administration, and now, the economic horror-show brought to you by the Barack Obama Administration.

Now, the violations of our republic's principled Federal Constitution by the Obama government, are combined with Obama's plunging our United States into a form of depression from which our United States could never recover in its present form. The necessary action at this moment, is to prevent the current President of the United States, Barack Obama, from relying upon dirty tricks of the type already enjoyed by President Obama, and to block that action, in favor of the revival of a Franklin Delano Roosevelt motion being necessarily presented for a vote by the Congress now.<sup>2</sup>

Without the removal of President Barack Obama from office, the situation of our republic has now reached the point that the continued operation under President Obama, in office, would mean the end of our United States, soon, under its present Constitution. Fortunately, there is an alternative: If we act very soon to adopt those needed Constitutional options, the remedy is available, and fully Constitutional—if we find sufficient leaders among us with the guts to do what is Constitutionally legal, and is already the only visible Constitutional means and course of action needed to save our republic, from what is now a virtual economic suicide of our nation.

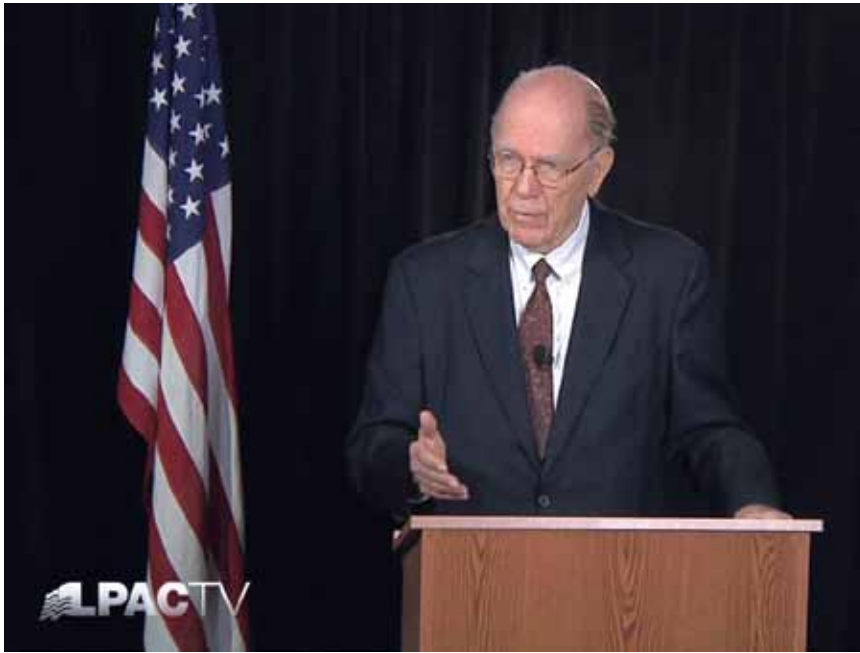
## Two Indispensable Actions

I am now putting myself on the block, as one who has shown himself as among the leading economists and others of our republic, who is willing, and more

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1. <http://larouchepac.com/node/19316>

2. Two measures now before the House of Representatives, H.R. 1489 and H.R. 2451, would reinstate the 1933 Glass-Steagall Act.



*If we act very soon to adopt the needed Constitutional options, LaRouche declared, and if we find sufficient leaders among us with the guts to do what is necessary, we can avert what is now a virtual economic suicide of our nation.*

than fully qualified, to present that option. Publicly, here and now, consider the following measures most urgently needed at this time: There are two, absolutely indispensable actions, which must be adopted and urgently implemented, if our United States is to be rescued from the presently accelerating plunge into a general economic breakdown crisis.

First, we must expel Barack Obama from office, that immediately. There are chiefly two available options for doing so. The first of these two, is the President's impeachment, on such available grounds as his violation of the War Powers provisions of the Constitution. The second, is his removal from office under the existing Constitutional provisions of the U.S. 25th Amendment.

Only with suspension of this President from office, were it likely that the United States could be rescued from careening into a virtual economic death of our United States. However, the doubtful mental health of this President, and the sheer hatefulness of him and his associates, shows both the case for the President's early, urgent removal from office, for reason of known impeachable offenses, and arguably faulty mental health of that President.

Both issues are just means for rendering him politically harmless to the general welfare of our republic.

Once we have considered those sources of available remedy, which have to be used for the rescue of our republic from what would be otherwise, its virtually immediate political death at the hands of President Obama and his British imperial masters, we will have soon rescued the nation, by taking the measures needed to organize a process of general economic recovery of our republic.

Now, consider the measures which are needed for rescuing our republic, now.

1. Incapacitate Barack Obama's power to sabotage legitimate measures for removing that President from the position of power he might attempt to use, to prevent lawful support for the enactment of the original Glass-Steagall law.

2. That measure, the Glass-Steagall law, would be sufficient to hamstring a corrupted President, to the effect of blocking the use of power by him, otherwise available to him, for this reason. His illicit blocking of the necessary re-enactment of the original Glass-Steagall law, is the crucial issue.

3. This legitimate action against him separates the legitimate policies of indebtedness from the speculative form adopted by such agencies as Wall Street and its foreign likenesses.

4. The U.S. law must be improved to replace the notions of money, by a system of U.S. Constitutional Federal credit.

5. Since the residue of the salvageable monetary assets in the U.S.A. are within the bounds of the left-over balance of U.S. credit, it will be sufficient to launch a recovery by these means. The medium of the U.S. dollar-denominated credit system should be employed for such included missions as that.

### **Only a Handful**

The recovery of the United States and the Federal states from this crisis is now in our hands. I have appeared in this form, on this occasion, to lead a group of people, who are patriots of our nation, who have competence in the matters on which I have spoken here today, measures which must be taken immediately, in

order to rescue our republic, from the great crisis, the threat of destruction, which hovers over it now.

In the process of politics, there are very few people who actually, in a moment like this, are capable, have the courage and insight, to guide themselves into taking the kinds of action needed to lead this nation out of its *own self-destruction now*. There are many people who will say, “Well, if the time were right, I would support that. If the time were right, I would do that. If the time were right, I would recommend that myself!”

But, when it comes to pushing the thing across the table for adoption, there is only a tiny minority of the so-called “leading figures” of this nation—the so-called paragons of leadership—only a handful will not crumble and hide in darkness to avoid taking the responsibility of enacting these measures.

There is only a handful of people in these United States, who can “go up-front,” shall we say, in stating these views. There are a more limited number of those who can actually say it, as I am saying it now. In all crises, this is the case. People would say, “Yes, well, if we all agree, we’ll pass it, we’ll vote for it.” And I have sat there, and I have stood there, and I watched, and I watched, and I watched! And I’ve watched over years, of this kind of thing, *and never* have any of these do-gooders actually stepped forward to take responsibility for an action which might be risky to their careers. They would say, “It’s not the *time* for me to act. I’m a hero, but it’s not the time for me to display this wonderful quality.”

And therefore, when it comes, always, in the history of mankind, in any great movement, to rescuing a great nation from its own folly, only a handful of the so-called leading figures of a nation will step forward, to join together in the mission such as that I prescribed here. I’m one of them. I’m taking the leadership on this question. This is not absurd at all. After all, I’ve been a leader of this nation for a long time, but not always popular with certain circles in Wall Street and similar places.

For example, take the case of the SDI. Well, admittedly, it was turned down, eventually, by the Soviet Union, by a very bad leader of the Soviet Union, who probably died in a fit of guilt. But, at that point, I had organized what became known as the SDI in 1982-83.

I had organized it, and people had joined me. Leading people of foreign nations, not only the United States, but of foreign nations: leaders in Germany, leading figures in Germany, political figures, leading retired generals, veterans of the Second World War period; in France, leaders from the remnants of the Gaullist move-

ment, the military forces, the military leaders, and others. We had taken similar actions in places like Argentina, other places. And we had brought together—including in the Soviet Union: Many people in the Soviet Union had not only endorsed, but had helped to build the design for agreement, called the Strategic Defense Initiative.

So, I’m not exactly unknown in leading positions in the United States and Europe, and elsewhere. So, I’m one of those who come from the apparent background, to step forward, as among the real leaders of this nation: those who will step forward, and put themselves on the line, to *act* at a time when that action is necessary. And that’s what I’m doing now.

## The Principled Solution

Now, what are we going to do? What we’re going to do, is we’re going back to the principles on which this nation was founded, the principles of a credit system.

The situation is this: We are so bankrupt as a nation, that no ordinary course of action under the present rules of behavior will save this nation from self-destruction in the immediate future. We’re about to be obliterated, if we continue on the present course.

Not only Obama: Obama, obviously, must be removed from power. That doesn’t mean you’re going to throw him out; it means you’re going to remove him from power. It probably will go with the proper thing that he’s a mental case, because he *is* a mental case. He should be thrown out of office as being a mental case. That’s quick and merciful; nobody has to get killed—except in remorse, maybe he’ll have a fit of remorse or something. But he must be removed from office, now, *effectively removed*. He may be still standing there, but he’s on the gibbet, the political gibbet, shall we say, waiting for judgment.

In the meantime, making him impotent in power, will mean that other people in our government will be able to move with the Glass-Steagall Act.

Now, the Glass-Steagall Act itself will not save the nation. The Glass-Steagall Act is necessary, as a part of the steps to be taken, and to rescue this nation from absolute bankruptcy, but it, by itself, will not save the nation.

For example: we can not use a normal form of reform of the monetary system of the United States. The situation is too bad, and too urgent. Therefore, we’re going to have to go from the kind of monetary system we had, not a monetarist system, but the mone-



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*"The Glass-Steagall law, would be sufficient to hamstring a corrupted President, to the effect of blocking the use of power by him. . . . His illicit blocking of the necessary re-enactment of the original Glass-Steagall law, is the crucial issue.*

tary system we had, in former times, as in Roosevelt's time, to do something Roosevelt had not really attempted to do explicitly: And that is, to put the nation *back* under the provision of its original Constitution, to function as a *credit system*, rather than a money system. There's not enough money that we can create, legally and prudently, to save this nation. We've gone too far, too long, especially since 2007.

Therefore, we're going to have to go to what is enshrined in our original Federal Constitution—to a credit system. In other words, the Federal government will, under law, instead of a money system, will have a credit system. And the credit system will be used, not only to get the police, the firemen, and other essential state-level people, back into employment; to get Federal institutions which are needed, back into employment and functioning. But we're going to have to go beyond that. We're going to require a very large and powerful driver, for a genuine economic recovery, of not only the United States, but also of nations which are friendly, shall we say, or will become friendly to the United States.

### **Bring the World Together Around a Credit System**

Right now, for example, in Europe, in western Europe, from the coast of Spain and Portugal, all the way to the borders of Russia today, there is no sovereignty in continental Europe: It has been destroyed by the present system. Therefore, Europe is, right now,

null. It has no long-term viability. It's about to crumble, to disintegrate before our eyes.

We can not have Europe collapsing before our eyes, in that fashion. But Europe can not act, efficiently, *except if United States acts first.*

Now, what will happen? If the United States acts in a way which agrees with what I have said here today, then we are going to go ahead. We're going to create our credit-based economic system, as prescribed explicitly by the Constitution, and implicitly by President Roosevelt. We're going to get our nation functioning, immediately.

Now that will create a challenge for the European nations, especially those of western and central Europe, because if we do that, if we rescue ourselves,

then the entire European monetary system, as it presently is organized, will immediately collapse. Now, it doesn't have to go into the actual collapse; it's going to the door of the collapse. And it's very important that I explain to our European friends what we're going to do to them, and what we're going to do *for* them!

What we're going to do, is tell them to join us in a reform of monetary systems or the like, which will enable Europe to follow the same course that we are following. We will create a joint credit system: What we will do with Europe, in cooperation with Europe—and with Russia, and with China, and with India, and so forth—what we will do is establish the kind of credit system, which will be universal among these nations. We will go to credit, as a way of investing in a buildup of the productive powers of labor throughout that region.

And that will be welcomed by China. It will probably be welcomed by India. It will be, of course, welcomed by the right people in Russia—and I don't mean right-wing.

And therefore, we will create what Roosevelt *intended* at Bretton Woods. Franklin Roosevelt had intended to create an international credit system, which he had negotiated with people like Josef Stalin, not the easiest person to deal with in the world, but Roosevelt was successful, in getting that kind of agreement.

We're going to bring the world together around a credit system. We're going to build a system based on high technology. We're going to increase the physical



productive powers of labor per capita; we're going to engage in great operations *inside* the United States, like NAWAPA, the North American Water and Power Alliance, that particular system: That system will be the driver, and the driver needed on a scale required to not only save this nation, but to start it on a course of accelerating growth, an accelerating role in terms of space programs, in terms of all other kinds of things, which will be engendered by the United States, in its spirit, its natural spirit.

## **We Can Save the World from Hell**

We have the people who have been long unemployed, who are like me: People say, "Why don't you retire them? They're old." But we're not dead, and we're not dumb, and that's an advantage. And therefore, we're going to create a new future for mankind. The type that Franklin Roosevelt envisaged as a system of credit, used to rebuild a shattered world.

We can do it. It will work. We simply have to get at it *real* fast! Because people like me are getting a bit old, shall we say, "long in the tooth," and therefore we've got to get this thing started while we're still around. And we have no choice, because if we don't do it immediately, we're going to die anyway. We're all going to go into a bunk.

The time has come, that we must make the decisions which will save this nation from Hell, save Europe from Hell, save the world from Hell. It can be done. It can be done, only within the bounds of the Federal Constitution, and the intention of that Federal Constitution, by the founders of that system of credit, by the founders of our system of republic.

It can be done, and it must be done. And it must be done now. If we don't do it, we don't know what kind of Hell our people and people of other nations will undergo, if we don't get this change now. This is the greatest emergency which I know in all of modern history; possibly, also, medieval history.

It must be done. It must be done, now. It can be done within the provisions of our Federal Constitution, and only within the provisions of our Federal Constitution. Because, only if we act on our own principle, which is the original Federal Constitution, can our action be respected and defended.

Therefore, we must act entirely within the provisions of our original Federal Constitution, and not deviate from the intention of those principles at any point. Because the first thing we must maintain, is the credit,

the credibility, of the action we are taking. We can not go even into attractive measures which violate that, because our nation has gone too long and too far in the violations of its own Constitution.

We have a contract with our people, the people of our republic, who may not fully understand all these things, but they're going to look back, and wonder if we're putting something over on them: Therefore, we must not only act according to the intention of our original Constitution; we must emphasize repeatedly, and explain, *again and again and again*, that we are sticking to the commitment which was represented by our Constitution. Because we must secure the lost trust of our government, under Presidents such as poor George Bush, Jr., or Barack Obama, this poor wretched creature.

We *must* regain the trust of our own people, the trust that we are acting in accord with the intention of our Federal Constitution. We must not deviate from that. We must constantly discuss that with the people, remind them of this, remind the people of this, and act only under those instructions.

The kind of emergency action, which I represent and am speaking of here thus, today, means regaining the trust of our people, the regained trust of our own people, who have totally lost trust with the leading parties of our nation! Leading political parties are no longer trusted by the people! Most of the people *despise* our Republican Party, our Democratic Party, for the treasonous actions they've taken, *against the vital interests, and in the cause of great suffering by more and more of our people!* You want to say that these parties represent the people? They've lost all trust of the people!

We must restore that trust. We must adhere strictly to our Constitution's intention, its original intention. We must not go beyond the bounds of that without the full consent of the American people for any changes made. And only on that basis, can people like me, who are prominent citizens of our United States, but are not really given the power of government, come together to act in concert, on behalf of our government, according to the principles on which our Constitution was framed. We must, within that limited power we have to propose, we must stick to those principles, and make clear to the people, again, and again, and again, that it is in *their* interest, and according to our Constitution's principle, that we are venturing to act, an initiative *to save this nation from Hell, right now!*

Thank you.

## LAROCHE'S SEVEN NECESSARY STEPS

# Step Two: Use Glass-Steagall Standard To Restore Credit

by Dennis Small

*On Aug. 24, 2011, Lyndon LaRouche outlined a seven-point program as the only possible solution for the present threat of a global breakdown crisis. Having presented the overview of the program in our Sept. 2 issue, and in-depth attention last issue to Step One—the removal of President Barack Obama from the U.S. Presidency, and the reenactment of Roosevelt's original Glass-Steagall Act of 1933—we turn now to Step Two: the separation of fictitious from real liabilities, according to the Glass-Steagall standard.*

*In that Aug. 24 urgent message, delivered on LPAC-TV, LaRouche stated:*

*“The next thing we must do, after having established Glass-Steagall, is that the powers ascribed to the original version of Glass-Steagall—that is, by Franklin Roosevelt's Administration—must be applied, and there must be a division of the assets in question, between two categories: On the one hand, you will have the category which belongs to the merchant banking sector and similar kinds of finances. The entirety of the claims against the United States, due to that sector, will be assigned to that sector, and removed as liabilities from the list of liabilities of the government section and the regular banking section. That division of assets and liabilities will define the situation which confronts us at that point.*

*“Now, the key part of this thing, is that the amount of credit which will survive the purge of this system of debts, is unfortunately rather small. Therefore, it is not*

*possible to simply use Glass-Steagall in the simple way, by continuing the present national currency system. You have to go to a credit system, as implicitly defined by Alexander Hamilton when he was Treasury Secretary, and in forming that aspect of the Federal Constitution. So therefore, that division will define a section of the debts that will go to the merchant banking sector and similar sectors—the gambling sector—they are on their own; they get not a penny of bailout! All the debt is entirely assigned to them, that part of the debt.*

*“The debt, however, of the part that will be rescued from this embrace, will be a very small part, because we've waited much too long on this thing, and therefore, the ratio of bad money to good money has gone that way as such. So that has to be done; so we have the division of liabilities.”*

### **The Glass-Steagall Standard**

The second point of LaRouche's seven-point program is perhaps the most polemical and contentious point of all. What at first blush seems fairly obvious—the need to separate the speculative financial instruments of the merchant banks or investment houses, from the productive credit issued for normal commercial banking purposes—quickly leads to a string of nervous objections:

“How do you decide what gets paid and what doesn't?”

“Who is going to make those decisions?”

“But they are all debts, and my mother told me that you always have to honor your debts, right?”

“And if we don’t pay Wall Street and London’s demands, won’t the whole system crash?”

The reason that LaRouche’s Step Two is so contentious, is that it raises the most fundamental question of economics: If *money* is accepted as the basic measure of value in an economy, then there is in fact no way to rigorously distinguish between a million dollars owed on a steel plant, or a million dollars owed for buying and selling derivatives, or a million dollars owed on prostitution and drugs. Money simply becomes the unit of account of an underlying philosophical worldview known as *hedonism*, or the *pleasure-pain principle* of British Liberalism.

The contrary view in economics, that of the American System of political economy enshrined in the Constitution of the United States, is that value is measured not by money, but by the advance of the *General Welfare*, by the advance of the *public interest* in physical-economic terms. Under this worldview, financial instruments and liabilities have merit and standing under our Constitution only to the degree that they contribute to the general welfare.

This is also, emphatically, the worldview of Roosevelt’s 1933 Glass-Steagall Act, as even a cursory reading of the law shows (see box, “Franklin Roosevelt’s 1933 Glass-Steagall Act”). In fact, its opening statement of purpose is unambiguous: “To provide for the safer and more effective use of the assets of banks, to regulate interbank control, to prevent the undue diversion of funds into speculative operations, and for other purposes.” Throughout its 37 pages, the Act repeatedly attacks “speculation,” and states that the banking sector must promote the “public interest.” Its specific provisions, including the establishment of the FDIC, and the strict separation of commercial banking from merchant banking and brokerage activities, were guided by this outlook, and were intended to protect individual depositors from predatory speculative practices in order to keep the entire system functioning productively.

This is what LaRouche is referring to when he says that the Glass-Steagall *standard* must be applied today, to separate fictitious from legitimate obligations. That *standard*—as stated in what we might refer to as the “Preamble” of the Glass-Steagall Act cited above—is a

direct echo of the Preamble of the Federal Constitution, which proclaims:

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

Therefore, to accept that financial liabilities can be sorted out at all, and that some are to be considered as legitimate while others are not, in fact, implies an axiomatic break with the very premises of British hedonism. And *that* is what many people recoil from in panic today, when they consider the implications of LaRouche’s Step Two.

## A Cultural Paradigm-Shift

Why is this such a generalized response among Americans today?

Because the United States has gone through an underlying cultural paradigm-shift since the 1963 assassination of President John F. Kennedy, as expressed in today’s Baby-Boomer generation. What used to be obvious and second-nature—that we should promote the general welfare, that the public interest comes first, that speculation is to be abhorred, and that economics and morality are one—is now rejected in favor of *my pleasure, my money, my investments*. “And please don’t talk to me about morality. What does that have to do with economics?”

In the domain of economic policy, 1971 was a milestone in the dismantling of the Glass-Steagall *standard*—if not yet the Act itself. In that year, the link of the dollar to any physical-economic idea of value was severed internationally, as the British Empire induced President Nixon to take the dollar off gold, and usher in the era of floating exchange rates among currencies. That destroyed Roosevelt’s design of the post-war Bretton Woods system, and allowed for endless quantities of dollars to be printed *outside the sovereign control of the United States government*, and to begin the creation of an uncontrolled speculative bubble of financial instruments.

Throughout the 1980s and 1990s, the reins on speculation were progressively loosened, both financially and—more importantly—philosophically, culturally, and morally. For example, the British Empire was allowed to foist illegitimate foreign debt on Third World

nations, such as in Africa, and use it to impose their policy of genocide and depopulation.

The year 1999 was a watershed. On Nov. 12, Roosevelt's Glass-Steagall Act was formally overthrown

and replaced by Gramm-Leach-Bliley. Earlier that same year, in mid-June, the IMF had forced the government of Colombia to officially count *drugs* as part of their gross national product. In late June, the head of the

## Franklin Roosevelt's 1933 Glass-Steagall Act

*The following excerpts are taken from the 37-page H.R. 5661, "Public—No. 66-73d Congress," the Glass-Steagall Banking Act of 1933."*

### An Act

To provide for the safer and more effective use of the assets of banks, to regulate interbank control, to prevent the undue diversion of funds into speculative operations, and for other purposes. . . .

**[Sec. 3 (a)]** Each Federal reserve bank shall keep itself informed of the general character and amount of the loans and investments of its member banks with a view to ascertaining whether undue use is being made of bank credit for the speculative carrying of or trading in securities, real estate, or commodities, or for any other purpose inconsistent with the maintenance of sound credit conditions; and, in determining whether to grant or refuse advances, re-discounts or other credit accommodations, the Federal reserve bank shall give consideration to such information. The chairman of the Federal reserve bank shall report to the Federal Reserve Board any such undue use of bank credit by any member bank, together with his recommendation.

**[Sec. 7]** The Federal Reserve Board shall have power to fix from time to time for each Federal reserve district the percentage of individual bank capital and surplus which may be represented by loans secured by stock or bond collateral made by member banks within such district. . . It shall be the duty of the Board to establish such percentages with a view to preventing the undue use of bank loans for the speculative carrying of securities. . . .

**[Sec. 11 (a)]** No member bank shall act as the medium or agent of any non-banking corporation, partnership, association, business trust, or individual

in making loans on the security of stocks, bonds, and other investment securities to brokers or dealers in stocks, bonds, and other investment securities. . . .

**[Sec. 20]** After one year from the date of the enactment of this Act, no member bank shall be affiliated in any manner described in section 2 (b) hereof with any corporation, association, business trust, or other similar organization engaged principally in the issue, flotation, underwriting, public sale, or distribution at wholesale or retail or through syndicate participation of stocks, bonds, debentures, notes, or other securities. . . .

**[Sec. 21 (a)]** After the expiration of one year after the date of enactment of this Act it shall be unlawful—

(1) For any person, firm, corporation, association, business trust, or other similar organization, engaged in the business of issuing, underwriting, selling, or distributing, at wholesale or retail, or through syndicate participation, stocks, bonds, debentures, notes, or other securities, to engage at the same time to any extent whatever in the business of receiving deposits subject to check or to repayment upon presentation of a passbook, certificate of deposit, or other evidence of debt, or upon request of the depositor. . . .

**[Sec. 32]** From and after January 1, 1934, no officer or director of any member bank shall be an officer, director, or manager of any corporation, partnership, or unincorporated association engaged primarily in the business of purchasing, selling, or negotiating securities, and no member bank shall perform the functions of a correspondent bank on behalf of any such individual, partnership, corporation, or unincorporated association and no such individual, partnership, corporation, or unincorporated association shall perform the functions of a correspondent for any member bank or hold on deposit any funds on behalf of any member bank, unless in any such case there is a permit therefor issued by the Federal Reserve Board; and the Board is authorized to issue such permit if in its judgment it is not incompatible with the public interest, and to revoke any such permit whenever it finds after reasonable notice and opportunity to be heard, that the public interest requires such revocation. . . .



New York Stock exchange, Richard Grasso, met in the jungles of Colombia with Raúl Reyes, the head of finances of the FARC cocaine cartel, to discuss a “mutual exchange of capitals,” as Grasso put it (see box, “Gross

Narco Product”).

As the drug case so clearly shows, Roosevelt’s Glass-Steagall standard had been dethroned, and British Liberalism and hedonism reigned supreme.

## Gross Narco Product

*On June 9, 1999, the Colombian government’s National Administrative Department of Statistics (DANE) announced that its GNP statistics would henceforth reflect the “inclusion of illicit crops in agricultural production”—i.e., narcotics—using “sophisticated techniques,” as demanded by the International Monetary Fund. On June 25, 1999, Richard Grasso, the head of the New York Stock Exchange, met with the head of finances of the narco-terrorist FARC, Comandante Raúl Reyes. In its July 16, 1999 edition, EIR published “The IMF and Wall Street are gunning for drug legalization,” by Dennis Small, which included the following:*

In fact, if monetary value is accepted as an economy’s sole metric, then one has implicitly adopted London’s bestial view of man that banishes all morality from economics: After all, we are told, a dollar is a dollar is a dollar; you may not *like* the fact that it comes from drug production, prostitution, or gambling, but you can’t let your “personal tastes” dictate “objective economic measures,” such as GNP.

That outlook is called monetarism. And it is the way economics is taught today in every major university in every single country around the world—whether it be called neo-liberalism, Keynesianism, or Marxism.

If that is *your* outlook, or the outlook you tolerate, then please answer a few simple questions: If drugs and prostitution are to be counted as part of GNP, shall we then consider a successful drug bust as a reduction in GNP or “value added”? Shall we also count pornography as “value added”? What about child pornography (it’s a multibillion-dollar business)? How about “snuff films,” where people (especially children) are sexually exploited and then murdered, on film?

Perhaps murder, rape, and torture should also be counted as part of GNP—with “sophisticated techniques,” no doubt? Was the poison gas used in Hitler’s death chambers also part of GNP?

Do these questions make you uncomfortable? Then where do you draw the line? More importantly, *how* do you draw the line between real economic value, and evil with a price tag? Is there not some fundamental difference between “bankers’ arithmetic” and “human arithmetic”?

The stark reality is that there is no scientific, systematic, and valid way to repudiate drugs in an economy, until you are prepared to jettison the entirety of standard classroom economics, including its definition of GNP, and replace it with the science of physical economy as developed by Gottfried Leibniz, Lyndon LaRouche, and others. In this approach, economics and morality are united in the concept of economic value being defined as that which contributes to the successful social reproduction of humanity, as measured in rising potential relative population density. Science, Classical culture, and creativity in all its expressions—i.e., that which is moral about man—becomes the bedrock of economic advance.



ANCOL/Fernando Ruiz

*The “Grasso Abrazo”: Richard Grasso embraces Comandante Reyes in the FARC’s jungle hideout.*

## Applying the Standard: Manure vs. Credit

Step Two of LaRouche's seven-step action program calls for reviving the Glass-Steagall *standard* to separate the wheat from the chaff—productive from speculative liabilities—in the U.S. (and international) financial system. LaRouche has promoted this policy for decades. Just a few examples.

In his first major response to Nixon's Aug. 15, 1971 decision to bury FDR's Bretton Woods, LaRouche wrote that the physical economy was being "crushed under a mass of stocks, bonds, mortgages, and other capitalist paper. Destroy that paper, and prosperity could emerge." The guts of the problem was clinging to fictitious "money" values, rather than the physical wealth associated with increasing the productive power of labor.

In 1982, at the height of the "debt bomb" crisis, LaRouche stressed, in his book-length *Operation Juárez*, that the world financial system had to be reorganized by freezing the hundreds of billions of dollars of illegitimate Third World debt with a debt moratorium, and issuing new productive credit for great infrastructure projects.

At both these points, such a procedure could still have salvaged a reformed international monetary system. But the situation today is too far gone, and more drastic measures are now required.

As the global breakdown crisis was playing out in 2008 and 2009, LaRouche presented his policy to solve the crisis with total clarity, such as in these remarks to a private meeting of diplomats and others in Washington, D.C., on Nov. 11, 2008:

"There's no way to save this monetary system in its present form. It's so full of junk, with the financial derivatives far in excess of a quadrillion dollars in claims, against the nominal size of the actual production of nations, it is impossible to reform this monetary system in its present form. You have to put the monetary system itself *through bankruptcy*. You will have to wipe out the greatest portion of nominal monetary assets in the world today! Cancel them! Because the system as a whole is hopelessly bankrupt.

"Now, what do you do in that case? Well, what you do for a monetary reform to a credit system, is, you use the U.S. Constitution. Because of our Constitution, we can create, as Roosevelt did that formally, we can create a credit system. To replace a monetary system.

"Now, what you do under this case, and with agreement with the United States and its Constitution, with Russia, China, and India, it can be done. What you do, is you say, we put all the claims which are equivalent of monetary or credit claims in two piles. One pile we call

'monetary.' That's the manure pile. The other we call the 'credit' pile.

"Now under the U.S. Constitution, money, when the Constitution is followed, is created only by the will of the government. It is done by the Executive branch of government, with the consent of the House of Representatives, and things flow from that. This credit being issued, is also authorized for monetization: So, the credit can be issued as loans for projects, or international loans, and part of it can actually be monetized, under the condition under which it was uttered.

"Particularly, if we had a national banking system, which we don't have presently, we could convert the Federal Reserve system, which is bankrupt, into a national banking system, as Hamilton proposed. Then it would do that automatically. We *do* need a national banking system in each country. That doesn't mean they're the only banks, but it does mean you use a national banking system to control the relationship between government and the banking system as a whole, in general. . . .

"What do you do? You have to protect those things which are productive, and are necessary for the government and necessary for the population. Therefore, you create a pile called the 'credit pile.' What you do, is you take every obligation, and every asset, which is valuable to society, currently, or necessary and meritorious—you take the monetary value of that, and you assign that to the creation of credit, government credit, a credit system. *And you leave the remainder to rot.*"

In an international webcast on Jan. 22, 2009, two days after the inauguration of Barack Obama, LaRouche returned to the issue:

"Put the present system, economic system of the United States, in particular, into a general reform, general reorganization, reorganization in bankruptcy. This means putting the Federal Reserve system into bankruptcy, under bankruptcy protection; taking the assets, or claimed assets, of the banking system and sorting them into two piles. One pile fits the chartered bank standard, conventional ordinary banks, as under Glass-Steagall, that kind of contingent. Those banks must be restored to full functioning now, and they must be used as receptacles of Federal credit to get some things moving that have to be gotten moving.

"On the other side, the garbage side, the bailout side: Not a penny! You put them into bankruptcy receivership, freeze them. That's the garbage department: You freeze the garbage so it doesn't stink too much. Don't put more garbage in there, don't generate more garbage."

## A Dog with a Bad Case of Fleas: JPMorgan Chase & Co.

(Dec. 31, 2010)



Derivatives \$78.7 trillion



Assets \$2.1 trillion



Equity Capital \$176 billion

## What in the World Are Derivatives, Anyway?

The easiest way to grasp the nature of the derivatives markets is to think of a dog with a bad case of fleas. The fleas, whose existence depends upon eating the dog, set up little empires buying and selling the dog's blood. They are so successful, in fact, that the dog begins to die. This presents the fleas with a real dilemma, but being clever little critters, they come up with a solution. Instead of trading the dog's blood, they switch to trading blood futures. Suddenly, their trading is no longer limited to the amount of blood they can suck out of the dog—they are now trading virtual blood, which by its nature is unlimited. Their trading empires expand as never before, making them rich beyond their wildest dreams—and who cares if the dog has died in the meantime?

—John Hoefle

## How Much Garbage Is There?

An awful lot.

First, let's consider some of the categories of the interlocking global financial garbage that will simply be written off, or returned to the City of London and Wall Street for them to handle on their own. It will *not* be bailed out by governments—i.e., by you, the taxpayer. This is by no means a comprehensive list, but it includes:

- Derivatives instruments, such as MBS (mortgage-backed securities), CDO (collateralized debt obligations), CDS (credit default swaps), foreign exchange swaps, and commodity futures markets. Derivatives in general are the lion's share of the total speculative bubble; nobody really knows the amount involved, but it clearly surpasses \$1 quadrillion, and infects the entire Trans-Atlantic financial system.

It is pointless for our purposes here to either try to define, or quantify, each of these forms of financial cancer. Instead, we refer the reader to the succinct definition of derivatives provided by *EIR*'s John Hoefle (see box, "What in the World Are Derivatives, Anyway?").

- Third World debt, which officially totals a mere \$2.5 trillion, is almost entirely illegitimate debt which has been paid many times over by these countries.

- Stock markets worldwide.

- The trillion-dollar international drug trade.

On the other side of the ledger, we have obligations that will be defended and guaranteed under the Glass-Steagall standard, including:

- Social Security, Medicare, Medicaid, and similar government programs serving the general welfare.

- Pensions, from both the public and the private sectors.

- Business loans for productive activities.

- Family home mortgages—as distinct from the fraudulent Ponzi scheme built up on mortgages by the leading banks.

- Infrastructure investment projects.

- Commitments by states and municipalities for productive economic activity.

Globally, speculative financial assets have grown from about \$200 trillion in 1997 (before Glass-Steagall was revoked), to well over \$1,000 trillion (\$1 quadrillion) today—a fivefold increase. During this same period, the physical economy, and its valid obligations, have been savagely shrinking, such that the ratios are now unmanageable.

Look at the situation of America's leading banks. They have been thoroughly taken over by the cancer of

derivatives. In 2000, the country's top ten banks had some \$2.5 trillion in assets, which tripled to about \$7.7 trillion in 2009. But those banks' exposure to derivatives went from \$45 trillion in 2000 to \$294 trillion in 2009—a 6.5-fold increase! And when you compare the derivatives cancer to the banks' equity capital (see Derivatives box, for the case of JPMorgan Chase), the true magnitude of the insanity is even clearer.

The cancer is also highly concentrated. The top five derivatives banks in the U.S.—JPMorgan Chase, Bank of America, Goldman Sachs, Morgan Stanley, and Citigroup—hold about 90% of total derivatives.

So guess who got bailed out when the derivatives bubble blew in 2008? Of the nearly \$17 trillion in bailouts provided, as documented by Sen. Bernie Sanders (I-Vt.), amounts disbursed included:

\$1.5 trillion to Morgan Stanley;

\$1.2 trillion to Merrill Lynch (now part of Bank of America);

\$1 trillion to Citigroup;

\$700 billion to Bank of America;

\$600 billion to Goldman Sachs.

Another large, and continuing, flow of bailout funds is going to British and other European banks, through unlimited dollars provided through the Federal Re-

serve's swap window with the European Central Bank and the Bank of England.

And now that the Bush and Obama administrations, consecutively, have handed over \$17 trillion in taxpayer funds to help feed the cancer, we are being told that some \$4 trillion in cuts have to be made out of the flesh and blood of the *productive* economy: Social Security, Medicare, state and local budgets, and people's living standards in general.

*This is the exact inverse of the Glass-Steagall standard.* Instead, we should reinstate Glass-Steagall and, for starters, “charge back” the \$17 trillion that was added to the government's illegitimate obligations—which is more than four times the amount of cuts in legitimate, vital programs that Obama is proposing to make.

Lunacy has taken over our national policy-making on economics. It's as if a man with cancer went to his oncologist to report a big cancer tumor growing in his belly, only to be told to stop complaining, that he was showing clear signs of “growth,” and that all cells have equal rights in any event.

If that were your doctor, you would fire him for being a quack, wouldn't you? Time to do the same with Obama, and get on with the treatment.

## Lyndon LaRouche On Glass-Steagall and NAWAPA

The North American  
Water and Power Alliance

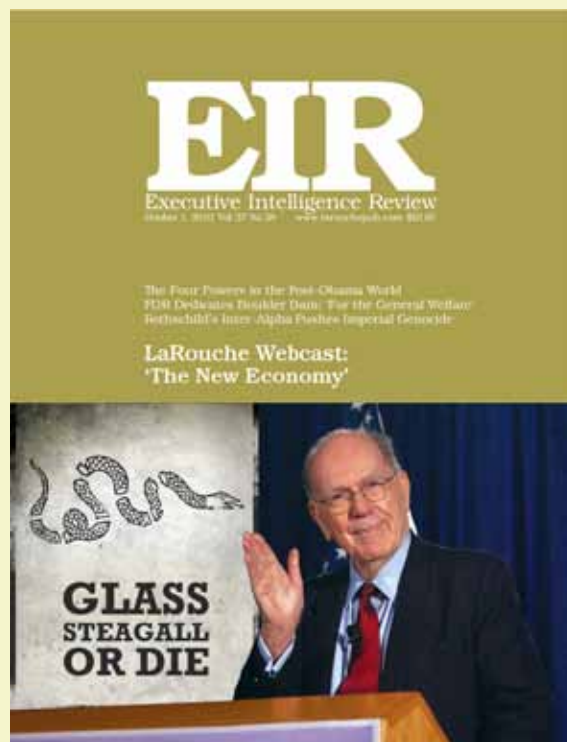
“The greatest project that mankind has ever undertaken on this planet, as an economic project, now stands before us, as the opportunity which can be set into motion by the United States now launching the NAWAPA project, with the preliminary step of reorganizing the banking system through Glass-Steagall, and then moving on from there.”

“Put Glass-Steagall through now, and I know how to deliver a victory to you.”

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# Glass-Steagall Bill Gaining Support

Sept. 13—The drive to restore President Franklin Roosevelt’s Glass-Steagall Act is gaining traction in both Congress and the labor movement, although much more support is still required for passage of House Resolution 1489, the “Return to Prudent Banking Act.”

With the addition during the past week of six new co-sponsors in the House of Representatives, the total is now 39, including Rep. Marcy Kaptur (D-Ohio), who introduced it on April 12. The new signers, all Democrats, are: **Michael Michaud** and **Chellie Pingree** of Maine, **John Olver** of Massachusetts, **Larry Kissell** of North Carolina, **Peter Welch** of Vermont, and **Yvette Clarke** of New York.

Declared Republican Presidential candidate **Buddy Roemer**, a former four-term Congressman from Louisiana, responded to President Obama’s phony jobs bill by saying that a reinstatement of Glass-Steagall is one of three major steps that must be taken to restore the economy.

## Labor

Eight state labor organizations have now demanded that Congress restore Glass-Steagall (the national AFL-CIO had already endorsed it on Aug. 8), and endorsed H.R. 1489. And the pace is quickening:

The **West Virginia State Council of the AFL-CIO** endorsed H.R. 1489 on Sept. 12, urging the state’s Congressional representatives to co-sponsor and vote for it.

The **North Carolina State Council of Machinists** (part of the International Association of Machinists) passed a resolution on Sept. 7 endorsing the bill, while criticizing the Dodd-Frank financial reform act for doing “nothing to prohibit the sale and trading of derivatives and other activities that helped bring about the 2008 financial collapse,” while the “Glass-Steagall Law [had] sufficiently protected the public against the fraud, theft, and abuse brought about by its repeal...”

The **North Carolina state convention of the AFL-**

**CIO** on Sept. 9 unanimously passed a resolution supporting H.R. 1489, citing the fact that the repeal of Glass-Steagall opened the door to the banking disaster of 2008, which was then followed by the bailout policy, which is bankrupting the U.S. economy.

The **Iowa Federation of Labor** endorsed the bill on Sept. 7.

State labor organizations that have previously endorsed it are the **New Jersey AFL-CIO**, the **Kentucky AFL-CIO**, the **California Federation of Labor**, the **Wisconsin AFL-CIO Executive Committee**, and the **Minnesota AFL-CIO**.

## Cities

In addition, the city councils of Coatesville, Pa., and Parma, Ohio, recently passed demands for Glass-Steagall restoration, bringing the number of local legislative bodies endorsing the bill to 13.

The Parma resolution is titled “A Resolution in Support of H.R. 1489, the Return to Prudent Banking Act, and Declaring an Emergency.” It says, in part:

“WHEREAS, H.R. 1489, ‘The Return to Prudent Banking Act,’ is now before the House of Representatives, which aims to revive the separation between commercial banking and securities business, in the manner provided in the Banking Act of 1933, called Glass-Steagall Act; and,

“WHEREAS, an effective and stable banking system is essential to the functioning of our economy; and,

“WHEREAS, the current weight of trillions of dollars of debt foisted on the U.S. Taxpayers in the 2008-2011 bailout of Wall Street has and is currently obliterating and destroying the economy of the United States and its people; and,...

“WHEREAS, the first step to solving this problem is the reinstatement of Glass-Steagall through the adoption and enactment of H.R. 1489;...

“NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF PARMA, STATE OF OHIO:

“Section 1. That this Council hereby supports H.R. 1489, The Return to Prudent Banking Act of 2011....

“Section 4. That this Resolution is hereby declared to be an emergency measure necessary for the immediate preservation of the public health, safety and welfare of the City of Parma, and for the further reason that this measure is necessary due to upcoming hearings on this issue....”

CALL FOR A REFERENDUM IN GERMANY

## Return to the D-Mark And Economic Sovereignty

by Helga Zepp-LaRouche

*Helga Zepp-LaRouche, the chair of the Civil Rights Solidarity Movement (BüSo), issued this videotaped address to the citizens of Germany on Sept. 9. It is also being circulated as a leaflet.*

Dear Citizens of Germany,

Time has run out. Jürgen Stark, who resigned today as chief economist of the European Central Bank (ECB), is now the second German (following Bundesbank head Axel Weber), to jump ship. Both have thrown in the towel, so the guardians of stability at the ECB have pretty much gone.

The reason for the resignation is that the ECB has been shifting more and more toward buying toxic bonds—not only from Portugal, Greece, and Ireland, but now also from Spain and Italy. And this policy leads directly to hyperinflation. The ECB has in fact become Europe's "bad bank." Apparently there was a conflict between ECB chief Claude Trichet, who clearly serves the interest of the British Empire (meaning the financial oligarchy), and those who still take the Charter of the ECB seriously, i.e., that its only task is to ensure the stability of the euro.

Putting together this pushing and shoving at the ECB with the cacophony in the EU, there is only one conclusion to be drawn: The euro experiment has failed! Let us remember that the euro was imposed on Germany as the price for reunification, and the German population was never once asked whether we wanted

this currency.

The conclusion should now be perfectly clear: Germany must immediately leave the Eurozone, and all the EU treaties, from Maastricht to Lisbon, must be annulled. We must immediately introduce a new D-mark, and thus regain sovereignty over our own currency and our own economy. That is the only way to prevent the whole situation from ending up in chaos. The move to the new D-mark must be linked to the immediate implementation of a two-tier banking system [a Glass-Steagall system], which protects credit to the real economy and simply writes off the trillions in toxic securities.

### Dramatic Situation in Greece

The situation is highly dramatic. A look at Greece provides decisive proof that the austerity policies of the EU have failed. The Economics Minister of Greece, Michalis Chrysochoidis, warned today that Greece is facing a total social explosion. Today, an international trade fair is starting in Thessaloniki, and the police, fire brigades, coast guard, students, and the movement of the "Outraged" are all demonstrating there against the sellout of Greece. Meanwhile EU energy czar Günther Oettinger has made the absolutely absurd proposal to send some kind of "blue helmet" force of officials to Greece: international officials to mandate the privatization of state property there—to supervise the sale of Greek islands, for example; to provide oversight; and also to collect taxes.

In the 19th Century, such a policy led to armed uprisings against the colonial powers; and in Greece, people have very, very bad memories of that type of policy imposed by the Germans 70 years ago.

It's clear: The euro has produced exactly the opposite of peace in Europe. On Sept. 14, the so-called Troika—the IMF, the ECB, and the EU Commission—will travel to Greece to see if all their demands have been met. And they have already threatened that if that is not the case—and there is no way that it will be the case—they will withhold the next tranche of bailout funds; and by that point, Greece's departure from the Eurozone will be on the agenda anyway.

Just how dramatic the situation is, became clear at a press conference last Thursday, when Claude Trichet, the head of the ECB, delivered a seven-minute hysterical tirade (by his standards), when a journalist from the *Börsenzeitung* asked whether the ECB had become a “bad bank,” and what he thought about the fact that more and more experts are saying that Germany has to return to the D-mark, in its own interests.

Jürgen Stark's resignation generated absolute terror: The DAX immediately tumbled by 4%, and it is perfectly clear why: Germany, of course, has become the last cash cow for this failed euro policy. Jörg Asmussen is now supposed to become the successor of Stark, which is like putting the fox in charge of the chicken coop. It was Asmussen who contributed in 2004, during the Red-Green<sup>1</sup> government, to the promotion of deregulation up to its present scale, including by the creation of TSI (True Sale International).

This policy, which is the ECB's policy now, along with that of the U.S. Federal Reserve, will lead quickly to hyperinflation like that in Germany in 1923, only this time not just in one country, but throughout the trans-Atlantic region, and from there to the rest of the world. And every German family remembers that hyperinflation is the most brutal form of expropriation of ordinary people.

## Malthusian Genocide

I would also like to add another aspect. In March of this year, Britain's Prince Philip, as chairman of the Royal Society of Arts, introduced a presentation by a certain Sir David Attenborough (<http://populationmatters.org/attenboroughs-rsa-speech/>), who issued such an incredible call for genocide as we have really

not heard in Germany or in the world for 70 years. He claimed that the population explosion was the biggest problem of all, and that we must reduce the population.

This is the manure that fertilized the policies of Hans-Joachim Schellnhuber, head of the Scientific Advisory Board of the Federal Government. Schellnhuber, with his call for a social contract to bring about a so-called “Great Transformation,” supplied the basis for the energy policy shift of the Black-Yellow<sup>2</sup> coalition government. In this call, he demands the absolute de-carbonization of the global economy—i.e., not only should nuclear power be abolished, but Germany should stop using oil, gas, and coal. And if you reduce the world economy to a reliance on renewable energies only, that means genocide: a reduction in world population to a maximum of 1-2 billion people.

Prince Charles warned explicitly that we are facing the sixth major species extinction, allegedly because of CO<sub>2</sub> emissions caused by anthropogenic climate change. Prince Charles apparently is responding to what we have been saying about the galactic causes of climate change.

Chancellor Merkel has taken Germany to the bottom of the abyss, with this combination of euro policy and energy policy. Now she is calling for changes to the EU treaties, so that Europe could finally become a transfer union.<sup>3</sup> But Germany's Basic Law, Article 146, states that a voter referendum is required for any change in the Constitution.

I hereby call for an immediate referendum on the return to the D-mark, on the question of sovereignty over our own economy, so the policies that ruling circles are using to impose dictatorship, behind the backs of the citizens, will now finally be stopped.

Help me and the BüSo, to save Germany from this murderous policy. The good news is, there is life after the euro! Help us to introduce the new D-mark and to end this monstrous casino economy, by putting in place a two-tier banking system immediately!

*This statement was translated from German.*

1. Social Democratic-Green party—ed.

2. Christian Democratic Union/Christian Social Union and Free Democratic Party, the currently ruling coalition.

3. A system in which the debt of one or more EU members is transferred to others, whose taxpayers then have to repay it to the banks.

# German Court Ruling Undermines Democracy

by Rainer Apel

Sept. 7—The Constitutional Court of Germany today gave a green light to the EU bailouts that have occurred so far, while stating that any future rescue packages need to be approved by the Bundestag's Budget Committee, and that the transnational guarantees should not be so large as to jeopardize national budgetary autonomy. The Court rejected the two legal challenges by the "five anti-euro professors" (Wilhelm Hankel, Wilhelm Noelling, Albrecht Schachtschneider, Dieter Spethmann, and Joachim Starbatty) and by Bundestag member Peter Gauweiler (Christian Social Union), on the grounds that the plaintiffs had not provided enough evidence of their charge that the bailout policy violates the Constitution.

Four of the plaintiffs had filed suit previously before the Constitutional Court, challenging the constitutionality of the euro itself in 1998, before it went into effect the following year. They charged that it violated at least four articles of the Basic Law: Article 14 (guarantee of property), Articles 20 and 28 (guarantee of the social welfare system; Article 38 (sovereign, democratic rule). Article 38 specifies, Professor Hankel said at the time, "that no German government can have a mandate to govern against the nation." The European Monetary Union (EMU) would deepen the economic crisis and expropriation of social rights and savings, the plaintiffs declared.

The Court ruled against them and the euro came into being, with the disastrous consequences we see today.

In 2010, they launched another challenge, this time against the Eurozone bailout of the banks that had loaned money to Greece.

At the World Economic Forum in Davos, Switzerland, on Jan. 28, 2011, Hankel challenged the advocates of the euro, saying he was "coming from a country which is still suffering from the tragic mistake of some 80 years ago, when a government tried to make public savings and to pay public debt—that was the last government before Hitler came to power." He added that the Eurocrats' drastic budget cuts and the sacrifice of

national currencies to the euro takes away the pillars—budget and currency—on which a sovereign state must rest. The euro system is doomed to failure, Hankel said.

The Court, after repeated delays, finally announced its decision this week.

## 'Black Day' for Germany

The Court decision makes it impossible to move ahead with the supranational eurobond option for the Eurozone in the weeks ahead. But it does not set out any clear criteria for limits to the bailouts in the future.

Although the judges said they did not want to decide on economic, financial, and European policies, they also stated that the guarantees extended by the government to the Eurozone were of no concern—although they amount to EU170 billion, which is half of the German national budget! And even worse, they confirmed the "legislature's assessment" that, even in the event all the guarantees had to be paid out, it would still be possible to "refinance" such losses through "increases in revenue, cuts in spending and longer-term bonds." In other words, the Court authorizes the government to loot the citizens for the sake of the banks.

And although the Court warned against future transnational guarantees, it approved those already extended through the European Financial Stability Facility. The way the EFSF functions is that countries that are still solvent have to assume the loan guarantees of a country that is deemed no longer able to provide its share. Only 15 months ago, the German share was EU123 billion; now it's up to EU211 billion. With the expanded powers for the EFSF demanded by the German Finance Ministry, that figure would go up to EU253 billion.

Finance Minister Wolfgang Schäuble's plan is to keep secret the amount of sovereign bonds purchased by the EFSF, and only inform a special committee in the Bundestag of them. None of this committee's sessions would be made public, and its members would be forbidden to inform even other members of the parliament of contents—like the secret oversight committee created in 2008 for the national German bank bailout fund SOFFIN.

National sovereignty and the rule of law were further undermined by the Sept. 7 ruling of the Constitutional Court. One of the plaintiffs present in Karlsruhe, Professor Schachtschneider, called the ruling a "black day" for Germany and Europe.



## Berlin Mayor Campaign Has National Focus

*Stefan Tolksdorf is the lead candidate in the of the Civil Rights Solidarity Movement (BüSo), headed by Helga Zepp-LaRouche, in the Berlin, Germany elections Sept. 18. He heads a slate of 20 BüSo candidates for the Berlin House of Deputies. The party with the most votes will name the next mayor of the city. He replied to written questions from EIR submitted to him Sept. 8.*

**EIR:** How would you assess the state of the campaign for mayor of Berlin? Have you seen significant changes over the months that you've been running for office? When you announced your candidacy, you emphasized that the thrust of the campaign would be directed to the national parliament in Berlin, not just building up local support. How well do you think you have achieved that goal?

**Tolksdorf:** Mr. LaRouche was perfectly right, when he told us in December of last year, that the upcoming election for the position of mayor of Berlin would not mean anything: "The place is virtually dead," he said. The only meaningful thing to do is to aim the campaign at the Federal government of which, after all, Berlin is the host. And as it goes with being the host, you sometimes have to tell your guests how to behave, or maybe even show them the door. This, LaRouche said, would be the only way to provide leadership in this difficult time: to address not the population as such, but the Federal government.

Over the recent months, the accelerating breakdown of the financial system and the economy have been felt hard in Berlin. An astounding 4,000 out of 5,700 km of roads are in dire need of repair or need to be replaced altogether; the schools are in terrible condition; the train system has broken down repeatedly for months at a time during the last two years; and the Fed-

eral government has just decided to exit from any use of nuclear power, endangering many people's lives because of shortfalls in energy production during the coming Winter.

On top of all that, the city's budget is burdened with EU63 billion of debt. Everybody knows this; and therefore, while people are conditioned to ask us what concretely we want to do for Berlin, they agree with us ever less reluctantly, that there really needs to be a change from the top down—starting with the separation of the banks through an international Glass-Steagall standard.

Every other approach here in Berlin would simply be redistributing funds where there is not enough to



*Stefan Tolksdorf leads a slate of 20 LaRouche movement candidates in the Sept. 18 Berlin elections. The BüSo campaign poster is headlined, "Two-Tier Banking System, Not Bailout Packages." A bank is split in two, between the Real Economy and Financial Toxic Waste, by the Glass-Steagall Standard.*

BüSo

begin with. The change of the recent months has mainly been that some people are beginning to wake up to the reality that the crisis is not some local problem, but something a lot bigger.

That our campaign is aimed at the Federal government and the national parliament has been the most recognized fact about this BüSo election campaign. The other is that this campaign cannot end on election day, Sept. 18.

### The Weight of International Developments

**EIR:** What is your view of the potential, or likely, outcome of the election on the national political scene in Germany?

**Tolksdorf:** With the vote on the ESM (European Stability Mechanism), which is to transform the EFSF (European Financial Stability Fund, in Luxembourg) into a permanent bail-out facility, to be held Sept. 29, there is the very real possibility that Chancellor Merkel might face a vote of no-confidence. The government could then very well fall, which would mean fresh Federal elections soon after that—only half-way into the present government's term!

So, while an election in the capital may not usually be insignificant, developments internationally have a much greater weight: the looming bankruptcy of Greece; the highly explosive situation in Spain; the impossible sums of debt to refinance in Italy; and the German population forced into paying for all of Europe, while the economies of the other European nations are being stifled by draconian austerity policies dictated by the European Commission in Brussels.

Whether or not the national government can be moved to adopt the *Trennbankensystem*—that is, the Glass-Steagall separation of investment banking from commercial banking—will determine whether there will be at least the possibility of changing the trajectory, away from the current direction of chaos and total collapse, to rebuilding the economy. And putting this Glass-Steagall standard on the agenda is the main focus of our campaign.

**EIR:** Can you describe for our readers the major campaign activities and highlights?

**Tolksdorf:** We are the only movement consistently out organizing and intervening into the political situation. That's already one big difference from all the other parties, which seem to only be visible a few months before an upcoming election, if at all. So, if

you traveled through Berlin by car, there's a good chance you might run into our organizers with their posters at one of the large intersections. If you go by train, you're likely to meet our singing organizing teams. Be it at small book tables or larger campaign rallies, you can always recognize our organizing as soon as you hear beautiful singing, whenever you see our posters addressing the civilizational crisis we're in, when you're handed the beautiful mass-leaflet showing Clara Schumann on the hundred D-mark bill, and depicting the seven steps required to get out of this crisis.

The contrast to the clown-show the other parties are throwing, by paying tons of money to PR companies to come up with those meaningless slogans on their election posters, could not be greater. And this fact is not at all lost on the average citizen. The potential for lulling the population into a fake debate over so-called "local issues" is at an all-time low. And it is this longing for something real, something that can actually address the greater environment of the breakdown crisis now affecting every pore of society, that is our great opportunity. We intend to use it!

## Knew You Not, Pompeii?



An LPAC Case Study:  
The Threat of Volcanoes and Earthquakes  
in Europe and the Mediterranean.

Watch the video:

<http://larouchepac.com/node/18498>

# Danish Candidates Score Media Breakout

by Michelle Rasmussen

Sept. 8—Three activists from The Friends of the Schiller Institute are shaking up Denmark by running as independent candidates in the Danish parliamentary elections, to be held on Sept. 15: Tom Gillesberg, chairman of the Schiller Institute in Denmark, in the greater Copenhagen area; Janus Kramer in eastern Jutland; and Hans Schultz in northern Jutland. The campaigns, covering 30% of the voting population, have caused a national press coverage breakthrough, which can be monitored at: [www.sive.dk](http://www.sive.dk).

With the campaign slogan “Glass-Steagall—or Chaos!” the posters are publicizing the most important first step towards economic recovery—enacting Franklin D. Roosevelt’s 1933 Glass-Steagall law, which separated commercial banks from investment banks. The slogan is provocative because it is a metaphor based on the most famous Danish election poster, “Stauning—or Chaos!” from the 1930s, for the then-leader of the Social Democrats, Thorvald Stauning.

The posters, with a bank division graphic similar to the poster for the BüSo campaign in Berlin (see p. 40), are very noticeable in the three largest Danish cities: Copenhagen, Aarhus and Aalborg. They have become the talk of the town, sparking significant, straight media coverage. The combination of the posters and the press coverage has succeeded in getting the two most important campaign issues discussed throughout the nation: firstly, that Lyndon LaRouche and the Schiller Institute were right about the upcoming financial crash; and, secondly, they know what to do about it—beginning with a Glass-Steagall law. In fact, at least two of the journalists themselves pointed out that our candidates have been right about the crash, and that maybe they ought to be listened to now.

## Gillesberg Interviewed

On Aug. 31, Tom Gillesberg was among the three candidates interviewed live on “Good Morning Den-

mark” (GMD), the popular national TV2 program. Here are excerpts:

**Gillesberg:** During the last election, I ran with the slogan, “After the Financial Crisis—Maglev Across the Kattegat,” and warned about the financial crisis that we are in now. It has now become much, much worse. We have had an administration that has not had the slightest idea about what should be done about it. But I do. Therefore, I have this slogan, “Glass-Steagall—or Chaos.”

**GMD:** Glass-Steagall? Maybe you should—?

**Gillesberg:** That is the law that Roosevelt enacted in 1933 in the U.S., in which they divided the banks in two, and said, “Whatever has to do with the real economy should be saved. All financial speculation, we let go to Hell.” If that is not done today, nations will assume a gigantic debt in order to save the financial bubble. Then they are also bankrupt, and then you will have massive austerity cutbacks, as we saw in the 1930s in Europe, with fascism and other terrible things.

**GMD:** ... There were actually some people in 2007 who made a little fun of you, because—I actually think that it was not “financial crisis,” but “*Financial Crash*” on your posters. There were some people who smiled a little about that, but it ended up that you were actually right, at least on that point.

**Gillesberg:** I would just like to say that it is because I work with Lyndon LaRouche in the U.S., who is an economist who will soon turn 90. ...

Another example of coverage was the article published on the website of one of the two most widely read Copenhagen tabloids, [ekstrabladet.dk](http://ekstrabladet.dk), accompanied with a large picture of Gillesberg’s current poster, as well as that from 2007. The article quoted from an interview that was published in another newspaper from 2007:

## ‘Forecasts a Crash’

“Gillesberg also ran for parliament in 2007. Back then, under the slogan: ‘After the Financial Crash: Maglev Across the Kattegat.’ Back then, a half to a full year before the deep crisis in the world economy occurred, *Berlingske Tidende* asked in an article:

“‘Your policy is therefore based on the fact that there will be a financial crash?’

“To which Gillesberg replied:



“‘A financial crash is as sure as the “Amen” in church. We just don’t know how long the priest will speak before the crash comes. Therefore we must prepare for how we can protect our economy from the adverse effects of the international financial crash that is already underway.’

“Now Gillesberg is warning anew of an outright financial collapse like 1929. And the solution is clear:

“‘Banks must be forcibly divided between [commercial] lending and speculative activity, as Roosevelt did with the so-called Glass-Steagall Act during the Great Depression in 1933. So you must not have bank packages to rescue the speculators,’ says Gillesberg.

“And the candidate also thinks that large public infrastructure investments should be started, such as nuclear power plants—and a Kattegat connection [a bridge connecting Denmark’s two largest cities, Copenhagen and Aarhus—mr].

“The Social Liberals and Socialists are [now] talking about the Kattegat connection as you had already suggested as early as 2007.”

An explanatory box, titled “Facts about The Schiller Institute,” includes:

“The Schiller Institute is a think tank, with the Danish branch formed in 1984. Its purpose is to implement the German Romantic [sic] philosopher and writer Friedrich Schiller’s ideas about ‘republican freedom and poetical beauty.’ The movement is heavily inspired by the American politician and economist Lyndon LaRouche, who, depending on one’s point of view, is either visionary and a genius, or a mad guru conspiracy theorist.”

Other press coverage includes: *Jyllands-Posten*, Denmark’s largest newspaper showed an image of Gillesberg’s election video on their page about alternative candidates; regional TV coverage for Janus Kramer in eastern Jutland, and Hans Schultz in northern Jutland; and two articles about Schultz on the regional TV homepage, and in the main newspaper in his district, *Nordjyske Tidende*.



EIRNS/Michelle Rasmussen

*Tom Gillesberg (left), shown here campaigning in Copenhagen, heads up the Danish Friends of the Schiller Institute slate of independent candidates for the Sept. 18 elections.*

## The LaRouche Solution

The Friends of the Schiller Institute campaign is working to lay the basis for the expected new Social Democratic/Socialist government (which would replace the 10-year-old Liberal/Conservative government) to implement the LaRouche solution to the collapse—to establish a financial crisis inquiry commission, implement a Glass-Steagall bank law, pursue a great infrastructure projects investment strategy (to push the construction of the Fehmarn Belt tunnel to Germany, build a Kattegat bridge, and a tunnel between Elsinore, Denmark, and Helsingborg, Sweden), and create massive amounts of national bank credit to finance infrastructure and production.

In addition to domestic coverage, the Danish campaign is contributing to the international LaRouche movement campaigns. Helga Zepp-LaRouche granted a 42-minute English-language video interview to The Friends of the Schiller Institute, now circulating widely on the Internet, in which she endorsed the candidates, and explained how crucial this moment in history is. Gillesberg and another campaign activist were interviewed on The LaRouche Show Internet radio program, and a short statement by the candidate has been broadcast on LaRouchePAC-TV.

# Attack on Social Security at Center of Obama 'Jobs' Plan

by Edward Spannaus

Sept. 12—Over half of President Obama's "American Jobs Act," presented with much bombast on Sept. 8 to a joint session of Congress, is an outright attack on Franklin Roosevelt's signature program, Social Security—which is to be carried out under the guise of "tax cuts" in both employee and employer payroll taxes. Thus, as in the case of Obama's "health reform," this new program is not a step toward economic recovery, but a giant step forward toward genocide against the nation's elderly and vulnerable.

As some leading Democratic politicians have told *EIR*, looting from the Social Security fund is actually the only substantial, predictable element of the entire smoke-and-mirrors plan!

According to the White House, \$240 billion of the \$447 billion proposal will come from reductions in the payroll tax which finances Social Security and Medicare. The employee portion of the payroll tax, already "temporarily" cut from 6% to 4% in 2011, will be further cut to 3% in 2012, and the employer portion will be cut in half for the first \$5 million in their payrolls.

The self-financing nature of Social Security through payroll taxes, was an integral element of President Franklin Roosevelt's plan for the program, which FDR hoped would ensure that "no damn politician can ever scrap my Social Security program." Cutting the payroll tax makes Social Security dependent on Congress's willingness to fund it from the general fund—and it

feeds the lie that Social Security is somehow a contributor to the budget deficit.

## No 'Social Security' Problem

Social Security's problem is not complicated, nor is it insoluble. The biggest problem, and in fact the only real problem, is the shrinking portion of the population that is gainfully employed. The percentage of the eligible population that should be—but is not—in the labor force, is at a 50-year low. Beyond the official unemployment figures, is the brutal reality that many millions of young people are never entering the labor force, and millions of older people are being forced to retire early because they cannot find work.

Don't believe the lies about retiring "Baby Boomers" bankrupting Social Security. We are in a global breakdown crisis, heading rapidly into a new Dark Age. The only solution? Reinstate Glass-Steagall, and put millions of people to productive work through massive infrastructure platform projects such as NAWAPA.

There is no "solvency" problem in Social Security that cannot be remedied by returning the United States to a full-employment economy, and relatively minor tweaking of the payroll tax by modest increases in the taxable-income level.

Even currently, with the employment situation at worse-than-depression levels, the interest on Social Security Trust Fund assets more than compensates for the shortfall in non-interest revenue (i.e., payroll taxes or





White House/Pete Souza

*Members of Congress appear depressed and clueless in this meeting with Obama on the economy and jobs. There's a simple solution: Fire Obama; bring back Glass-Steagall; save FDR's general welfare programs.*

the appropriations made in lieu thereof).

Obama, by making Social Security dependent on Congressional appropriations to make up the shortfall caused by his payroll tax cuts, is playing right into the “Ponzi scheme” hysteria being generated by Wall Street flunkies such as Texas Gov. Rick Perry (R). Obama has painted a huge bulls-eye on Social Security’s back, by making it dependent on the general fund, and therefore a “deficit factor”—which it is decidedly is not.

### **Death by a Thousand Cuts**

Reaction to Obama’s latest scheme was quick in coming. The National Committee to Preserve Social Security and Medicare, in a Sept. 8 statement, warned that Obama’s proposed payroll tax cut “threatens Social Security’s independence by forcing the program to compete for limited federal dollars from general revenues, and by breaking the link between contributions and benefits.” The National Committee points out that just months after being assured by the White House that the diversion of funds from Social Security would last for just one year, Obama is now asking Congress “to extend and even increase this diversion of payroll taxes for another year,” and it emphasizes:

“Doubling-down by also cutting employer contri-

butions greatly worsens the situation, and makes it even hard to restore the Social Security system to self-financing”—since there is no guarantee that Congress won’t be asked to extend it again and again, making it permanent. “This is death by a thousand cuts.”

Last December, when Obama made a deal with Republicans for a “temporary” payroll tax holiday, supporters of Social Security warned that Obama’s proposal mirrored a long-standing right-wing conservative plan to destroy Social Security. Former Congresswoman Barbara Kennelly, speaking for the National Committee,

charged that Obama’s scheme would promote the privatization of Social Security.

Nancy Altman, co-director of Social Security Works, pointed out that Franklin Roosevelt created Social Security as an insurance program, separate—and indeed firewalled—from the general Treasury fund. She cited FDR’s statement that, “We put those payroll contributions there so as to give the contributors a legal, moral, and political right to collect their pensions and their unemployment benefits. With those taxes in there, no damn politician can ever scrap my Social Security program.”

Altman pointed out that for years, conservatives have been gunning for Social Security, trying to cut benefits, and ultimately privatize it. That Democrats allowed this proposal to get into Obama’s plan shows how little they understand about FDR’s program. “President Obama seems not to understand the program,” Altman added. The White House is treating the payroll tax holiday as a “concession” from Republicans, which, she notes, is sort of like the GOP saying, “Don’t throw me in that briar patch.”

Dean Baker of the Center for Economic and Policy Research pointed out that if the payroll tax holiday were allowed to expire, the Republicans would be screaming about a “tax increase”—just as they were

doing at the time with respect to the expiration of the Bush tax cuts. Altman amplified the point, by observing that this will be a Republican “make my day” moment, if Obama were to allow it to expire, and thus “increase” taxes.

*“There is no reason to do it this way,” Altman declared, “except as an assault on Social Security.”*

But last week, it was Obama himself who proclaimed, to the Joint Session of Congress: “If we allow that tax cut to expire—if we refuse to act—middle-class families will get hit with a tax increase at the worst possible time. We can’t let that happen. I know that some of you have sworn oaths to never raise any taxes on anyone for as long as you live. Now is not the time to carve out an exception and raise middle-class taxes, which is why you should pass this bill right away.”

### **Bipartisan Opposition**

While House Democratic leader Nancy Pelosi immediately backed Obama’s scheme, and a shocking number of Democratic constituency leaders have implicitly done the same, many Democrats have attacked Obama’s plan, and now a number of Republicans are saying they won’t support it as well, *The Hill* reports.

“It’s imperative that we do everything we can to put money in the pockets of consumers,” said Rep. Ted Deutch (D-Fla.), who vowed to continue the fight to kill the provision. “But there are a lot of ways to do it that [don’t] take from the funding stream for Social Security.” Rep. Peter DeFazio (D-Ore.) said that the latest Obama proposal “jeopardizes the future of Social Security, and we’d have to borrow more money to pay for it.”

“It is a horrible idea,” said Rep. Pete Sessions (R-Tex.), chairman of the National Republican Congressional Committee, who said it was wrong to diminish the amount Americans pay into Social Security at a time when the program is at risk of insolvency. Rep. James Lankford (R-Okla.) asked why Obama would propose cutting the payroll tax while at the same time he is acknowledging that entitlement programs needed to be put on a more solid footing. “He mentioned that we’ve got to have major reform, but then to cut some of the funding was an interesting surprise to me,” Lankford said. “If there’s any one area in cutting taxes that’s dangerous for us, it’s cutting Medicare and Social Security payments.”

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## **Book Review**

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# **9/11 Secrets Partially Revealed**

by Jeffrey Steinberg

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### **The Eleventh Day: The Full Story of 9/11 and Osama bin Laden**

by Anthony Summers and Robbyn Swan  
New York: Ballantine Books, 2011 603 pages;  
hardcover, \$30

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Authors Anthony Summers and Robbyn Swan have provided a commendable, albeit incomplete account of the Sept. 11, 2001 attacks on the World Trade Center and the Pentagon. Among the most important features of their story are those that deal with the deep involvement in the 9/11 events, of the Kingdom of Saudi Arabia, from leading members of the House of Saud, to prominent figures in Saudi Arabia’s General Intelligence Department (GID), to leading Wahhabi clerics. The great strength of the book is that it provides one of the most detailed accounts of the top-down Saudi involvement in the events leading up to the Sept. 11 act of war against the United States.

I suspect that there were important elements of the 9/11 story that the authors would have wished to include in their account, but did not, because they could not get them past the publishers and their army of libel lawyers. In reviewing some of the most revealing features of *The Eleventh Day*, I include some of those crucial pieces of the picture that do not appear in the pages of this 600-plus page document. Without those pieces, the picture remains incomplete.

Despite those gaps, the authors have provided an invaluable public service, combing through vast libraries of official documents, interviewing hundreds of players in the hunt for the truth about the 9/11 attacks, and providing some illuminating insights that were long-lost in the mountain of details that piled up, following the attacks.

## The Purloined Letter

To fully understand the role of the Kingdom of Saudi Arabia in the 9/11 attacks, it is vital to start from a very simple fact, one that the 19th-Century American writer and intelligence officer Edgar Allan Poe would have appreciated, as per his brilliant short story, “The Purloined Letter”: The bin Laden family is at the very center of the Saudi power structure. The central role that Osama bin Laden would play in the events of 9/11 cannot be comprehended without the understanding that the bin Laden family is part of the inner circle of the Saudi oligarchy.

Osama bin Laden’s father, Mohammed bin Laden, became fabulously wealthy as the result of patronage from both the Saudi Royal Family and the Wahhabi clerical establishment, the two co-equal anchors of Saudi power for nearly 300 years. From the 1930s, during the reign of King Abdul Aziz, through the 1960s under King Faisal, almost every major construction project commissioned by the House of Saud was built by the bin Laden Construction Company.

Mohammed bin Laden was given the contracts to renovate the three holiest sites of Islam: the shrines at Mecca and Medina, and the Dome of the Rock in Jerusalem. When he was awarded the contract to renovate the Jerusalem mosque on the Temple Mount, he was appointed a minister of state and given the title Your Highness, Sheikh Mohammed bin Laden.

When Mohammed bin Laden died in a plane crash in 1967, ten thousand people attended his funeral. All of his children, including Osama, who was then 10 years old, became instant millionaires and members of the Saudi elite. Thus, a little more than a decade later, when Saudi Arabia joined with Great Britain, the United States, and others in launching the Afghan Mujahideen war against the Soviet Union in Afghanistan—six months prior to the Red Army invasion—the Saudi

Royal Family wished to have a leading prince take a prominent role in the operations. When no member of the Royal Family stepped forward, Osama bin Laden, a devout Wahhabi, was chosen as the Saudis’ star player in the Afghan operations.

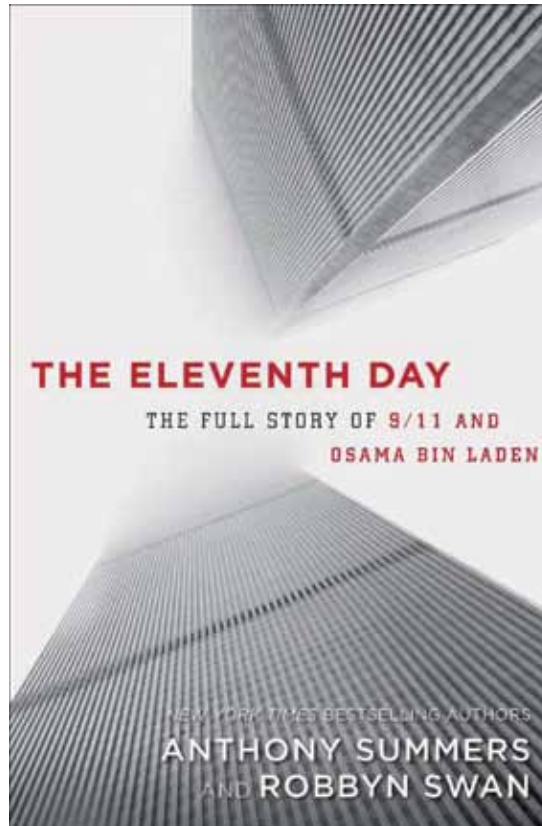
According to the Summers-Swan account, drawn substantially from a memoir by one of Osama bin Laden’s sons, Omar, the young Saudi construction magnate was brought in on the Afghan operations almost from the very outset of the Saudi involvement. And from the start, everything that Osama bin Laden did in Pakistan and Afghanistan was under the tight supervision of the Saudi intelligence service, GID. Indeed, Osama bin Laden was recruited to the GID’s Afghan operation by Ahmed Badeeb, his former science teacher, who had gone on to become chief of staff to the longtime GID head, Prince Turki Al-Faisal.

## The Crucial Missing Link: Al-Yamamah

By all accounts, Prince Turki was the key liaison among Saudi Arabia, the

United States, and Pakistan. What Summer and Swan significantly underplay is the pivotal role that Great Britain also played in every aspect of the Afghan confrontation, before, during, and after the Soviet invasion on Christmas Eve, 1979.

Indeed, a leading British intelligence Arabist, Dr. Bernard Lewis, was the architect of Carter Administration National Security Advisor Zbigniew Brzezinski’s “Arc of Crisis” strategy against the Soviet Union. Brzezinski would later brag to a French magazine that he had convinced President Jimmy Carter to sign a Presidential finding in early 1979, authorizing covert support for the Afghan rebels. The Afghan covert operation, which played a significant role in drawing the Soviet Union into the disastrous invasion of Afghanistan, and the decade-long war that followed, was part of





BBC Panorama

Prince Bandar's take from the Al-Yamamah deal was estimated at \$2 billion; Bandar and then-British Prime Minister Margaret Thatcher were the principal architects of the scheme.

Lewis's scheme to promote Islamic fundamentalism as a hammer against "Godless Soviet Communism," all along the southern tier of the then-Soviet Union. The Arc of Crisis stretched from the Caucasus, all the way to the Central Asian Republics—an area that, to this day, is a zone of permanent conflict, rising fundamentalism, and vicious narcotics trafficking.

Following the collapse of the Soviet Union and the events of 9/11, the United States has been drawn into the same quagmire that helped bring down the mighty Soviet Union, with similar consequences for America.

Not only was Great Britain a prominent recruiting ground for the Mujahideen and all subsequent Wahhabi-Salafi extremist organizations (Osama bin Laden maintained a mansion at Wembley, just outside of London for more than a decade, well into the 1990s). In 1985, Britain and Saudi Arabia launched the Al-Yamamah (The Dove) project, under which the largest covert intelligence fund of the post-World War II period would be established. The Al-Yamamah Anglo-Saudi offshore slush fund would become one of the largest sources of cash for the Afghan War against the Soviet Army—perhaps, second only to the opium and heroin trade built up in Afghanistan and Pakistan, beginning at the time that the Mujahideen war began in 1979.

William Simpson, a British military school chum of Saudi Prince Bandar bin Sultan, provided a candid admission of the pivotal role that Al-Yamamah played in the Afghan War, in his semi-official biography of the

long-serving Saudi Ambassador to the United States, *The Prince*:

"Although Al-Yamamah constitutes a highly unconventional way of doing business, its lucrative spin-offs are the by-product of a wholly political objective: a Saudi political objective and a British political objective. Al-Yamamah is, first and foremost, a political contract. Negotiated at the height of the Cold War, its unique structure has enabled the Saudis to purchase weapons from around the globe to fund the fight against Communism. Al-Yamamah money can be found in the clandestine purchase of Russian ordnance used in the expulsion of Qaddafi's troops from Chad. It can

also be traded for arms bought from Egypt and other countries, and sent to the Mujahideen in Afghanistan fighting the Soviet occupying forces."

As *Executive Intelligence Review* has uniquely revealed,<sup>1</sup> under the Al-Yamamah program, which continues to this day, Saudi Arabia provided crude oil to Britain in return for tens of billions of dollars in weapons and other military assistance, run through Great Britain's largest military conglomerate, BAE Systems. A special unit in the British Ministry of Defence, the Defence Export Support Office (DESO), was established to manage the Al-Yamamah barter program.

The crude oil provided by the Saudis would be sold on the international spot market at fabulous markups, and the net profits would then be deposited in offshore accounts all over the world, maintained by trusted front men and money managers. The spot market transactions were conducted by Royal Dutch Shell and British Petroleum, on behalf of BAE and DESO.

A conservative estimate is that at least \$100 billion was deposited in the Al-Yamamah offshore covert slush funds between 1985 and 2007. Before being deployed to fund operations like the Afghan War, those funds

1. For example, these articles by Jeffrey Steinberg: "Scandal of the Century Rocks British Crown and the City," *EIR*, June 22, 2007; "BAE Al-Yamamah Scandal Back in the Headlines," *EIR*, April 17, 2009; "Exposed: British BAE Hand Behind Terror," *EIR*, June 26, 2009.

See also, the LPAC video, "10 years Later" at <http://larouchepac.com/10yearslater>



were, in turn, invested in lucrative speculative hedge fund operations at enormous profits. It is impossible to precisely estimate the total amount of money generated through this operation; but the figure far exceeds the \$100 billion in barter cash generated by the oil sales.

While the full extent of the Al-Yamamah operations was ruthlessly covered up by British officials and the British press, secondary scandals did erupt over the lucrative kickbacks to Saudi officials who participated in the barter program, including top officials of the Saudi Ministry of Defense.

One of the principal beneficiaries of these kickbacks was Prince Bandar. Along with then-British Prime Minister Margaret Thatcher, Bandar was the architect of the original 1985 barter deal. He was perfectly positioned for that role, as the son of the Saudi Minister of Defense, Prince Sultan. By conservative accounts, Bandar received \$2 billion in commissions for setting up the Al-Yamamah deal. The funds went from accounts at the Bank of England to the Saudi Embassy accounts at Riggs National Bank in Washington, D.C.

As Summer and Swan document, funds from that Bandar account were funneled to at least two of the 9/11 hijackers, Khalid Al-Mihdhar and Nawaf Al-Hazmi. And those funds were passed through the hands of two Saudi intelligence officers, based in Southern California, who were, in effect, key handlers of the pair of 9/11 hijackers. Those two Saudi intelligence officers, Osama Basnan and Omar al-Bayoumi, were already established GID contacts to the al-Qaeda and related terrorist circles penetrated into the United States, dating back to the World Trade Center attacks of 1993.

### A Surprise Twist

The Sept. 11, 2001 attacks were a product of the Anglo-Saudi alliance, forged through the Al-Yamamah deal. To this day, the Al-Yamamah story is the most sensitive strategic issue for London, Riyadh, and Washington.

Former British Prime Minister Tony Blair was so concerned that the full story of Al-Yamamah might come out, that he ordered the British Attorney General, Sir Peter Goldsmith, to shut down the Serious Fraud Office probe into the Al-Yamamah bribery, the moment that Swiss authorities agreed to provide confidential information on one of the key Swiss-based slush funds, through which funds were channeled to black operations.

In one of the great ironies of the still-unraveling

9/11 story, a group of investors in Lloyds of London insurance syndicates, Lloyds Syndicate 3500, has filed a lawsuit in U.S. Federal Court in the District of Western Pennsylvania, demanding \$215 million from the Kingdom of Saudi Arabia, for its role in sponsoring the 9/11 attacks. The suit, filed on Sept. 8, 2011 in Johnstown, Pa., near the site of the Shanksville, Pa. 9/11 crash, named the government of Saudi Arabia, and a series of Saudi charities that provided funding for the 9/11 attackers. No mention is made of Al-Yamamah or anything remotely tied to the Al-Yamamah program.

Nevertheless, with that glaring omission, the suit provides a detailed account of the Saudi role in the events of Sept. 11, 2001, and the dozen years leading up to those attacks. It is a perfect complement to the Summers-Swan account, drawing upon detailed U.S. government accounts of the interrogations of dozens of the enemy combatants held in Guantanamo Bay prison over the decade since 9/11.

The Lloyds suit is suggestive of a falling out among thieves that has the potential to break the decade-long cover-up of the real story of 9/11.

## 10 Years Later

An LPAC-TV  
Feature Film

Eight months before the September 11, 2001 attacks, Lyndon LaRouche forecast that the United States was at high risk for a Reichstag Fire event, an event that would allow those in power to manage, through dictatorial means, an economic and social crisis that they were otherwise incompetent to handle. We are presently living in the wake of that history.

<http://larouchepac.com/10yearslater>





LPAC-TV WEATHER REPORT

## Vanishing Sunspots: A Window Into the Creative Universe

by Peter Martinson



LPAC-TV

*Peter Martinson, the “Weatherman” for LPAC-TV, explains how the chemical composition of the Sun’s corona is analyzed by modern imaging techniques—expanding the realm of human sense perception.*

Good morning. I’m Peter Martinson. It’s Aug. 24, 2011, and you’re watching the LaRouchePAC Weather Report.<sup>1</sup>

Now, we’re going to get right into the meaty material of this show. If you’ve been watching the LaRouchePAC website over the past couple of weeks, you should have recognized that we’ve been asserting—along with all the other great thinkers of the past—that the universe is not a dead universe. It is creative, inherently.

In fact, the substance of the universe is *mind*. And we know this by looking at how the human mind discovers a principle and how society then uses that discovery to increase mankind’s power over the universe. The universe presents itself to us in the form of sense-perceptions, like vision, sound, or if you live up on Capitol Hill, you get a good sense of smell.

But the universe presents itself to us like this. We construct new sense-perceptions in the form of scientific instruments, like telescopes and things like that, in order to reveal

1. This program can be viewed at <http://www.larouchepac.com/node/19172?page=5&lid=0-0-2&relation=60>

more of the universe. But we understand that each of those sense-perceptions is only presenting a cross-section of the universe. If you took all the sense-perceptions and assembled them all into one big lump, you would not get the real universe.

A human takes a few of those sense-perceptions, combines them, and compares how the universe presents itself differently in different sense-perceptions, and then uses his imagination to discover what un-sensible principle has to be generating those paradoxes among the senses. Hence, the substance of the universe is represented by that discovery, not by the sense-perceptions generated by the universe's principles. Hence, the universe is composed of the creative mind.

Now, the goal of man is not to try to gather all the sense-perceptions, although we do naturally, as a human instinct, thirst for an ever-increasing menu of sense-perceptions, so that we have more cross-sections to play with and juxtapose, to get a better view of what we can discover about the universe.

But what we're going to look at in this show, is how heliophysicists and other astronomers have used this principle to discover principles of the activity on the Sun.

## The Solar Spectrum

FIGURE 1



*Hydrogen spectrum lines*

FIGURE 2



*Helium*

FIGURE 3



*Several elements combined*

Since the 1900s, heliophysicists and other astronomers have used what's called the spectrum, which is where you take light and you send it through a prism or some type of a beam-splitter, to split it up into its rainbow. Now, we have discovered that the rainbow is not just visible light, but it also goes into the infrared, which you can't see with your eyes. It also goes deep into the ultraviolet, X-ray, gamma ray, etc., which you can't see with your eyes, but we can pick it up with various instruments.

Now, what astronomers do, is pick out specific bands of the spectrum, and look at how these different bands represent themselves in the Sun and other astronomical objects. For example, this spectrum here (**Figure 1**) is the spectrum of hydrogen; this (**Figure 2**) is a spectrum of helium, both of which occur at the surface of the Sun.

And so, when you look at light from the Sun, and you split that up, you get something that looks more like this (**Figure 3**), where you have a variety of lines being created by a variety of chemicals and elements on the Sun. So, astronomers look at how they represent themselves on the surface of the Sun.

Now, this (**Figure 4**) is what you see if you look at the Sun through a telescope, with a filter—don't look at it with a regular telescope, because you'll go blind like Galileo did, so don't be stupid like Galileo. But this is what you see. It's essentially a yellow ball. Sometimes you'll see dark spots passing across the surface of it.

If we look at this in the infrared, we see a completely dif-

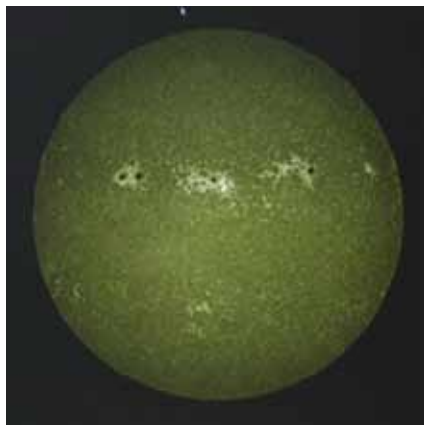
FIGURE 4



NASA Solar &amp; Heliospheric Observatory

*Visible light from the Sun*

FIGURE 5



NASA Solar Dynamics Observatory

*The Sun in the infrared spectrum: 1600 nm*

FIGURE 6

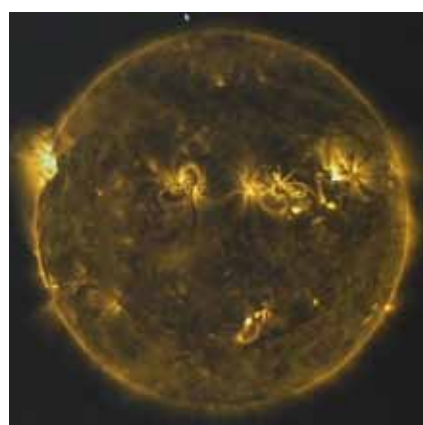
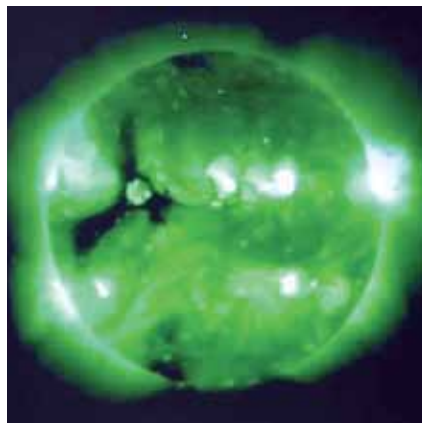
*The ultraviolet spectrum*

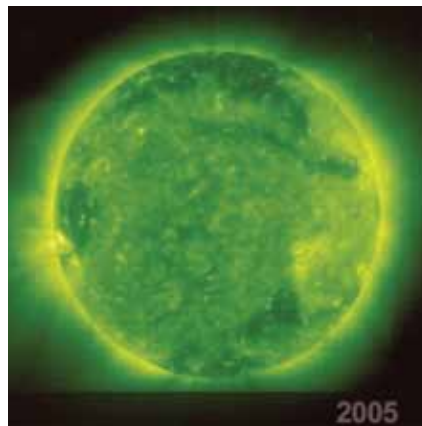
FIGURE 7



NASA-GOES

*The X-ray spectrum*

FIGURE 8

*Cycle 23 in ultraviolet.*

ferent creature (**Figure 5**). You see the surface looks finely granulated, and these things that we thought were featureless spots are actually crackling with very bright activity—the infrared.

Now, if you look at it in the ultraviolet (**Figure 6**), you see an even more interesting picture. These spots are flinging material out into space. This is a very violent, dynamic creature. It looks completely different. (And by the way, this is actually false color; it is colorized. It doesn't really look this color in the ultraviolet. We've made it this color so you can see the features.)

If you look at the Sun in X-rays (**Figure 7**), you see an even more violent picture, and you can see that the Sun is actually flinging material out into space, sometimes at us. Like last week, when it pumped out a so-called X7 flare, which is one of the most powerful events that we see happening on the Sun. It happens periodically.

So, what astronomers do is they take these images of the Sun, each of which looks like a completely different beastie, and combine them in various ways to make forecasts.

Now, one of the first observations that was made of the Sun was a count of the number of sunspots that pass over the surface, a very basic measurement. And what we found is that the Sun actually goes through a cycle of these things. Some of the time there are almost no sunspots, but then sometimes the Sun actually heats up and you get more and more sunspots.

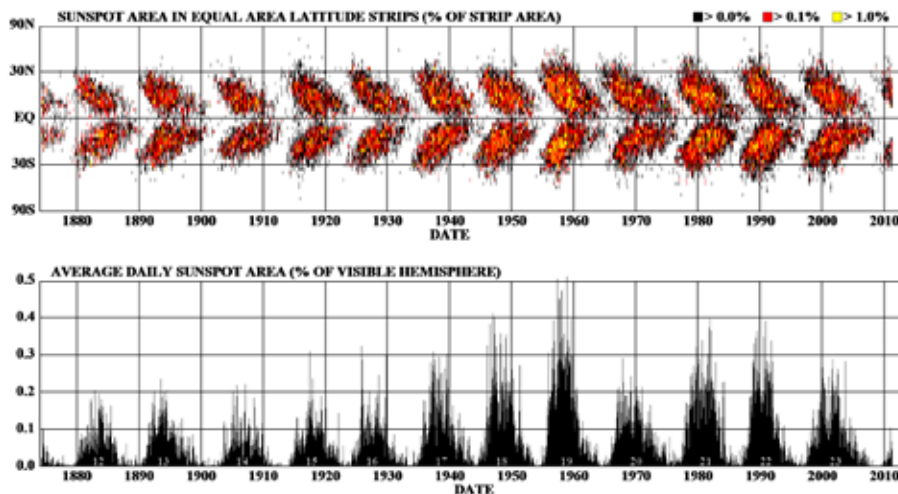
This is an animation made by NASA of images from the SOHO space satellite (**Figure 8**), starting from about 1996, and going through 2008, which was the last so-called solar cycle, where you can see the Sun is getting more and more and more active with sunspots. If you look closely, you can see that the sunspots actually start at relatively high latitude and are migrating towards the Equator. Beautiful.

### The Solar Minimum

In 2008, the Sun went into its solar minimum. Now we're into the next solar cycle, so-called Cycle 24. Now, over a long time, people have been

FIGURE 9

## Daily Sunspot Area Averaged Over Individual Solar Rotations



NASA

counting these sunspots (**Figure 9**), and have recognized that it is a clear cycle. Yes, it starts from the high latitudes and heads down to the Equator, but the cycle itself lasts roughly 11 years, give or take, and you can see the actual sunspot count here: about 11 years. This last cycle was about 12 1/2 to 13 years.

Now, what we recognize with this cycle is that it actually does have a bearing on what happens on the Earth. For example, some have shown that when you have a minimum, very few sunspots—like this area here (bottom of

Figure 9)—you have cold and cloudy weather. When you have a lot of sunspots, it tends to become hot and sunny. In fact, William Herschel, back in the mid-1700s-early 1800s, made the forecast that when you have fewer sunspots, your wheat becomes more expensive. This is a period where you have cloudier, colder days, so the wheat doesn't grow as well. And he actually made a correlation between the price of wheat and number of sunspots.

NOAA—the National Oceanic and Atmospheric Administration—keeps a record of the number of sunspots. It's part of their job. And they're measuring the number of sunspots going into this next cycle, and they're forecasting the peak will be about December 2012, early 2013. But if you look closer (**Figure 10**), it looks like this cycle is going to be weaker than the last cycle. In other words, there will be a total of less sun-

spots than the last cycle, probably fewer solar flares, a weaker Sun. So possibly, colder for the next few years.

## Other Sense-Perceptions: The 'Rush to the Poles'

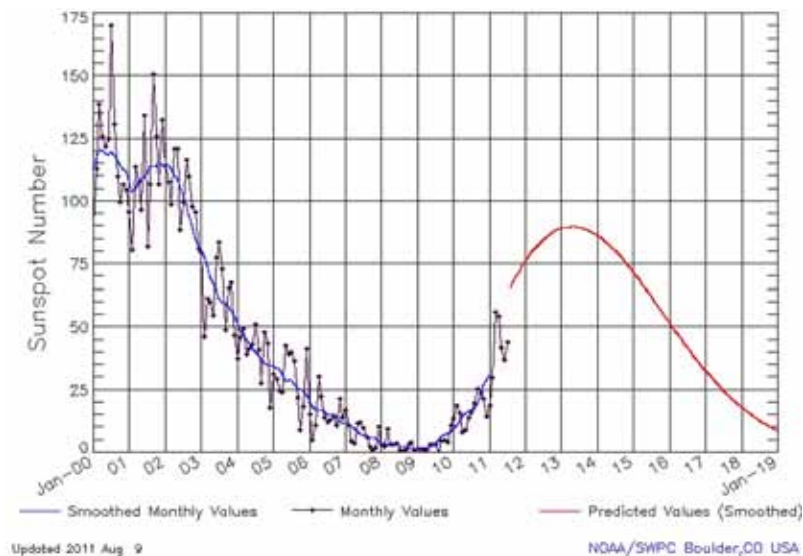
Now let's see what this looks like in other senses. We're going to look at several other sense-perceptions and how the current 11-year cycle is showing up.

First, we're going to look at this line which is Iron-14, which is 530.3 nanometers (nm), and it shows up very well in the outer portions of the Sun,

FIGURE 10

## ISES Solar Cycle Sunspot Number Progression

(Observed Data Through July 2011)



Updated 2011 Aug. 9

NOAA/SWPC Boulder, CO USA



FIGURE 11a



Link [here](#) to animation.

FIGURE 11b

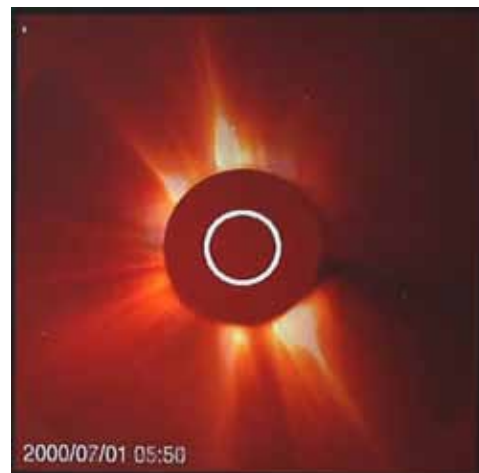
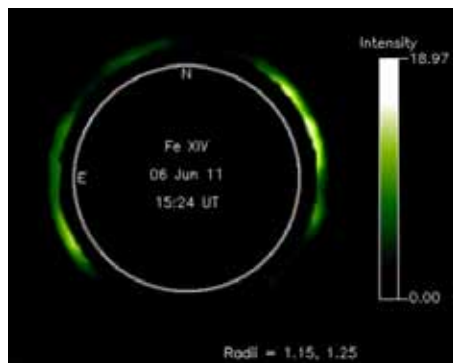


FIGURE 12



FIGURE 13



[Iron-14](#) in the Sun's corona

the corona. You can see the corona here (**Figure 11a**). Here we've got the Sun blocked out. This is from the SOHO LASCO satellite. The Sun is blocked out by this disc, and all you can see is this material being flung off the limbs of the Sun, the corona.

This series of videos of the Sun shows a specific type of corona which is located mainly off the Equator. If you look at a different period of the Sun, you see that sometimes the corona actually pops out of the poles, the so-called polar corona (**Figure 11b**). It tends to coincide with what are called polar crown prominences. This is a video taken by the Japanese Hinoda satellite (**Figure 12**), and you see the curtain of prominences that surface on the Sun up near the pole, which coincides with this polar-type corona.

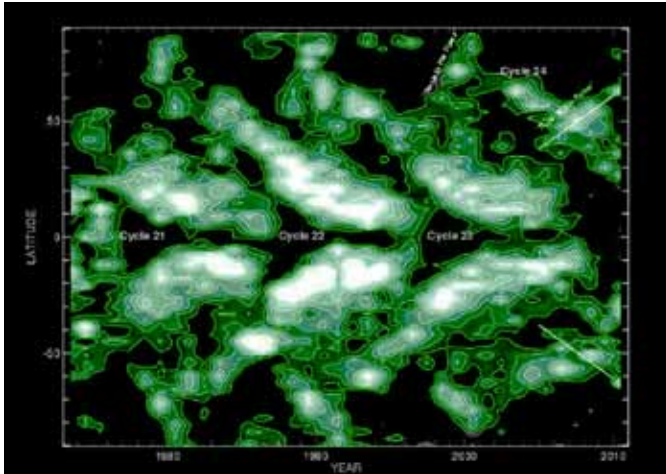
Now, what we're going to look at is the observation of this 530.3-nm line, taken by Dr. Richard Altmann at the National Solar Observatory in New Mexico. What he looks at is a thin band of the corona at about 1.15 radii of the Sun. He uses a ground-based telescope and just looks at this ring around the Sun, and gets the intensity of this highly ionized iron.

He takes the corona, essentially straightens out the two sides of it (**Figure 13**), and then takes an average, to see over time, how does that average change? He takes the average, and then lines it up on a time axis (**Figure 14**), so that what you have is time going this way [to the right]; and then the vertical is how intense this iron line was at different latitudes of the Sun, specifically in the corona. And what you see is, it seems periodic. There's a migration down to the Equator, and the migration takes about 11 years. Very nice. It doesn't coincide exactly with the cycle of the sunspots that we see, but it's an 11-year cycle, so we believe that it's correlated very closely.

What Dr. Altmann is looking at specifically, is this feature up in the North, the polar crown prominences, which pop out a little bit before the



FIGURE 14



Dr. Richard Altmann, National Solar Observatory

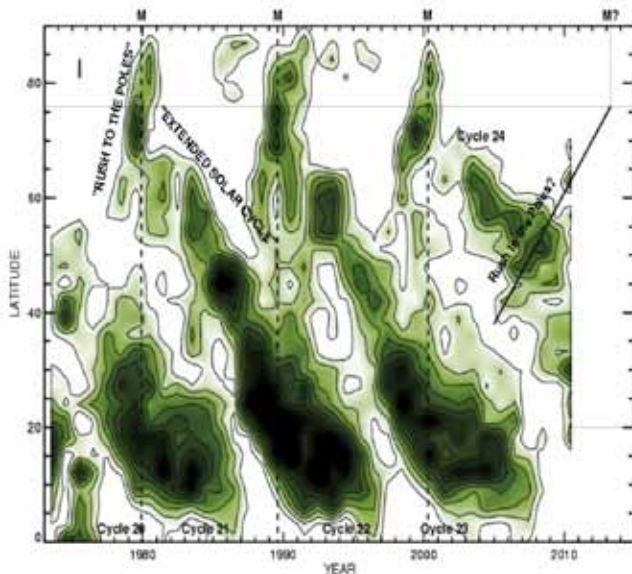
FIGURE 15



LPAC-TV

*Polar crown prominences “rush to the poles.”*

FIGURE 16



Dr. Richard Altmann, National Solar Observatory

*The rush to the poles in the current cycle (24) is running behind schedule.*

FIGURE 17



Global Oscillations Network Group (GONG)

*Six boxes for observation, distributed around the planet, allow 24/7 coverage of the Sun.*

maximum, and then take off towards the poles. Altmann calls this “the rush to the poles” (**Figure 15**); it was actually recognized decades ago, back in the 1930s and ’40s.

In the current cycle, he notices something very interesting. Here’s a closeup of the northern section (**Figure 16**). This is the rush to the poles back in the last solar cycle, so around 2000—and now the rush to the poles is just barely beginning, and he indicates that it’s actually very late in the cycle. So, he suggests that the rush is beginning, but it’s late. Therefore, he thinks that maybe the next cycle will actually come on a little bit later than the last one, so that the current solar cycle will probably be a little bit extra long, anomalously long. Interesting.

### Torsional Oscillation

Now, let’s look at another observation, with a completely different instrument. This is looking at a 676.8-nm line of nickel in the Sun. These observations were taken by Drs. Frank Hill, Rachel Howe, and their group at the Global Oscillations Network Group, called GONG, the headquarters of which are in Tucson, Arizona. They use a series of six boxes (**Figure 17**) distributed around the planet—one or two of these boxes are only looking at the Sun—so you can have 24/7 coverage of the Sun.

What they are looking at specifically is not just where the line is, but how the line acts. Over time you see something like [this](#): You see how this line is wiggling back and forth? What’s happening is that the source of the line, where the nickel is on the Sun, is actually vibrating back and forth, towards and away from the observer, towards and away from the

FIGURE 18



The [Doppler shift](#) in observing the Sun

telescopes that we have in these boxes that the GONG group has set up around the planet.

And this wiggling back and forth of the surface of the Sun causes what's called the Doppler shift in the line. And so we measure that all around the Sun, and we get an image something like this (**Figure 18**). You can see, it looks something like a black and white Sun, a grayscale Sun, that's very finely rippled; it looks rough. You see that this part is actually darker than this side, because the dark represents parts of the Sun that are moving towards the observer. The light represents the parts of the Sun that are moving away. So there's a gray gradient going toward white in this direction. But if you look, the divets are dark and light, which represent the surface of the Sun

that's just rippling. Here's a still (**Figure 19**). You can see, it's finely rippled.

What they say is that these ripples of the surface represent millions of sound waves traveling through the interior fluid of the Sun. When they decompose all of these millions of tones, they can determine various changes which they believe are occurring very deep within the Sun, because they think that these waves are not merely traveling through the surface, but they're traveling through the deep interior of the Sun.

In fact, they believe that this is the only real way that we can get an idea of what's happening deep within the Sun. All of our other instruments can only see the surface and the corona of the Sun, and possibly a lit bit deeper into these sun-

spots. But this method, which is called helioseismology, they believe will tell us about something deep within the Sun.

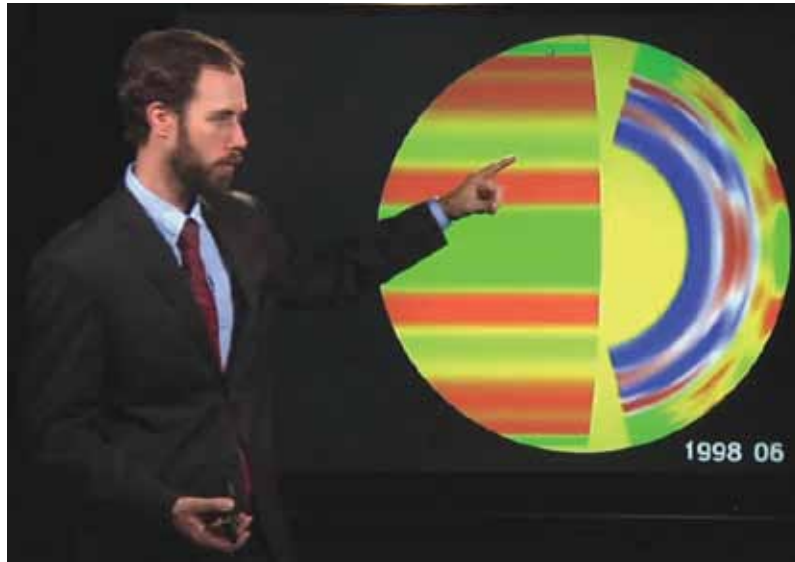
One thing they recognized several years ago is what they called the torsional oscillation, which paints a picture of the Sun as an elastic body. Here's an animation they made of it (**Figures 20a-b**). What they found is that some bands of the Sun rotate faster than other bands of the Sun; so, it doesn't rotate as a solid body. Various parts rotate faster and slower. Here, the red is the faster-rotating Sun while the green and blue are slower-rotating. And if you look closely, there's a band in the North and one in the South, which migrate towards the Equator. And what they're showing here is that this occurs over an 11-year cycle. You see it now—these two bands starting at mid-latitudes, North and South, and then they migrate to the Equator.

They say they've seen this several times, and it accurately mirrors the actual solar cycle, the actual sunspot cycle. They take this and make another plot, kind of like Altrrock's plot, where here (**Figure 21**), on the hori-

FIGURE 19

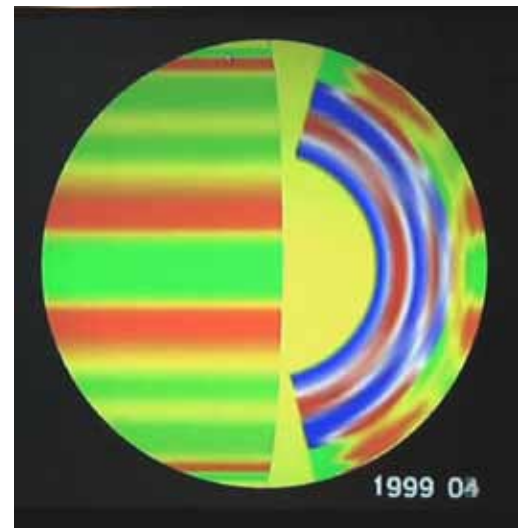


FIGURE 20a



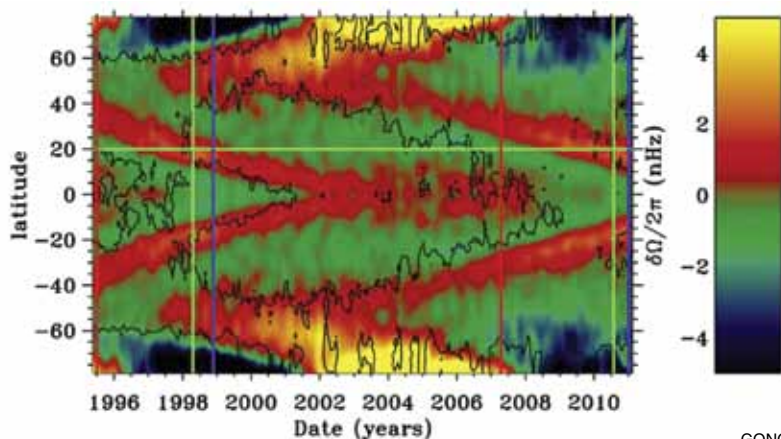
Link [here](#) to animation.

FIGURE 20b



GONG

FIGURE 21



GONG

*Different parts of the Sun rotate at different speeds.*

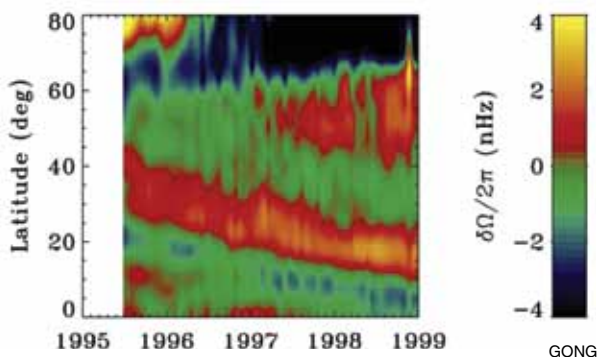
zonal axis, you have time, and on the vertical you have the latitude of the Sun. So here's the Equator, here's the North Pole; here's the South Pole. Red means fast-rotating, green and blue mean slow-rotating.

So you can see, at any one time—like the year 2000—you can see that the very, very south latitude of the Sun is rotating very quickly, and then the mid-latitude of the Sun is rotating very quickly, and it's mirrored in the Northern Hemisphere.

The black contour represents where we see the sunspots on the Sun through the cycle. So you see, here was the beginning of Cycle 23; here is the end of the Cycle 23.

You can see that there's actually a very long solar minimum after 2008, compared to this solar minimum, which is relatively short before Solar Cycle 23.

FIGURE 22



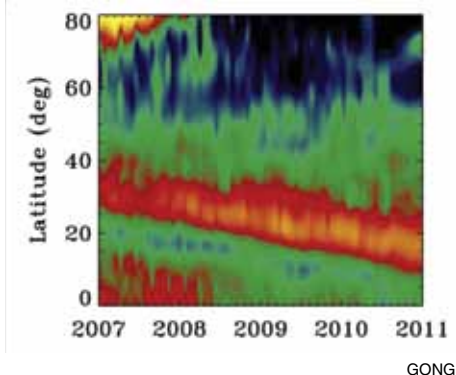
GONG

They show on this graph that this torsional oscillation begins at the North and South, and then begins to migrate toward the Equator. One ends in the middle of the progression of another one. Now, if you look about 11 or 12 years ago, you see something like this (**Figure 22**): Back in '96, '97, the torsional oscillation was at about 20-25°, and you had the beginning of the torsional oscillation of the current cycle, at about the same time, in higher latitudes. They can see this with these oscillations.

If you compare this with where we are today, which should be at around the same spot, because we're at the



FIGURE 23



same position in the current solar cycle that we were in Cycle 23, which you can see with the location of this band, you see something very alarming (**Figure 23**). The torsional oscillation has not appeared yet for the next cycle. Very strange! Hill and Howe, and also Altrrock, combine their observations, and they propose that the next cycle—because of these two observations, the very late rush to the poles and the absent torsional oscillation—will probably come on very late, and possibly be quite weak.

### The Photosphere

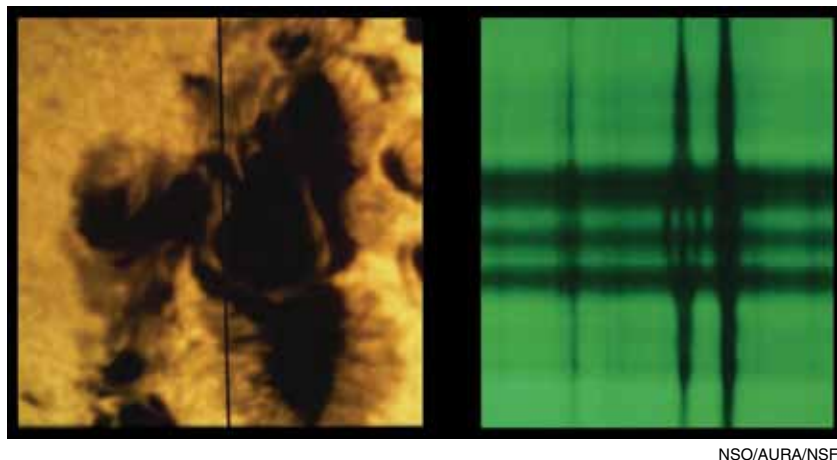
Now we're going to look at a third wavelength band. This one is going to look directly at the surface of the Sun, the so-called photosphere, and it's not anywhere in the visible range. It's out here, in the infrared. This is the 1,564.8-nm line, and it's being observed by Matthew Penn and Bill Livingston at the McMath-Pierce Solar Telescope, which is quite an amazing piece of technology. It's the so-called "upside-down checkmark telescope." It's a long tube drilled into the ground, which has kept the same temperature as the ambient temperature in Tucson, at Kitt Peak, and it's the most powerful solar telescope we have on the ground. They're

using this in order to look at how this line acts—specifically this iron line; this is a neutral iron—how it functions inside of a sunspot.

It was discovered early in the 1900s, that when you take an element, force it to display its spectrum, and then put it within a strong magnetic field, each of the spectral lines will split, and the split is proportional to how strong the magnetic field is. This is called the Zeeman split.

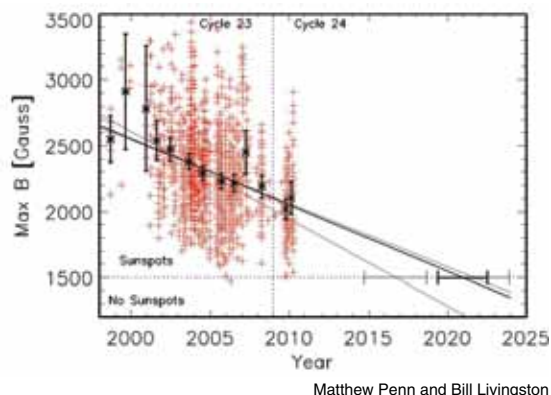
Now, Penn and Livingston are looking at how the iron lines split inside of the sunspots (**Figure 24**), and as we can see, the lines split very much within a sunspot. This is the spectrum at this part of this image; this is the spectrum within

FIGURE 24



*The Zeeman split in the spectral lines of iron in a sunspot (left) is shown on the right, where the one line spreads into three.*

FIGURE 25



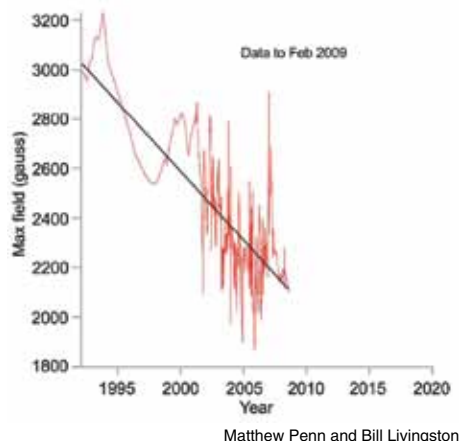
Matthew Penn and Bill Livingston

the sunspot; and this is the spectrum below the sunspot, along this line. What we find is that, within the sunspot, that's where you have the strongest magnetic field, because you have the split.

The magnetic field is measured in gauss, and it's usually several thousand gauss within the sunspots. What Penn and Livingston show—they've been looking at this for the past decade and a half or so, and looking at the spectrum in every single Sunspot—is that the Zeeman split is getting weaker and weaker on average, every year (**Figure 25**). They indicate that, first of all, no sunspot displays a magnetic field that's weaker than 1,500 gauss. That's the cutoff here.

But then they also show that, on average, every year the average strength of magnetic field within the sunspots is dropping by

FIGURE 26



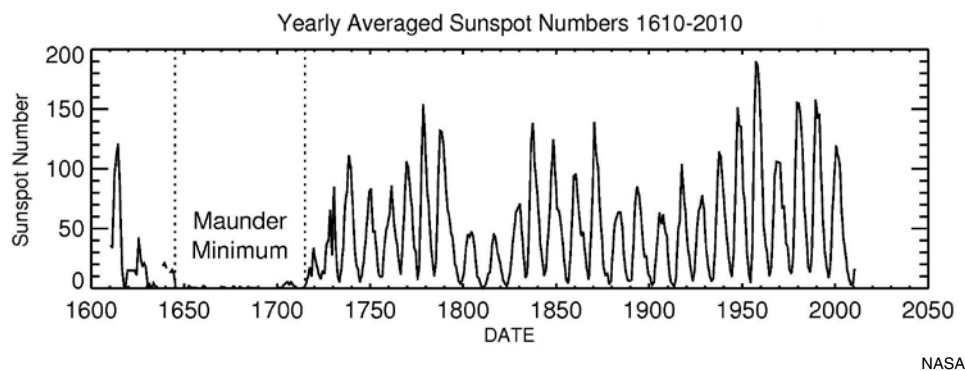
50 gauss. Their recent paper, which was put out last year, indicates that if this drop continues linearly, and we have every indication that it's headed in this direction, by about 2015-20, the Sun's magnetic field will be too weak to produce sunspots (**Figure 26**).

What do we get when we combine these three observations? Three completely different instruments, three completely different bands of radiation; therefore, three completely different senses. When you combine the observations, you get what the American Astronomical Society forecast back on June 15, 2011: The current sunspot cycle, cycle number 23, may be the last sunspot cycle for several decades.

### The Little Ice Age

The last time we saw this was a long time ago. If you go back to the entirety of measurements of sunspots over the history of the world (**Figure 27**), the earliest observations were back in about 1610-15, by

FIGURE 27



few sunspots were actually observed.

It begins again about 1715, and takes off—you have a little dip here and there, like the so-called Dalton Minimum, etc. Long-term cycles. In about the 1950s, you have the highest yet; and then we're going into the current cycle.

FIGURE 28



Wikimedia Commons

*"The Frozen Thames," 1677, artist unknown.*

But this period, where there were no sunspots, which is indicated by these three recent observations—this period coincided in Europe with what's called the Little Ice Age, which was one of the coldest periods on record in Europe. This was the time when birds were freezing as they flew through the air and plummeted to the ground. This is the period where you have paintings of the Thames River, and other rivers, frozen solid (**Figure 28**). You have these stories of people setting up little roads and shops on the Thames in order to kind of have fun with the fact that it was so cold, until it got *so* cold that people started dying of the cold, and the food started to freeze.

Now, all indications are that we're headed into another period just like that. This will be the first



complete observation of one of these long cycles on the Sun.

Now, let's step back for a moment. The Sun has been around for a long time. It's been around for at least as long as life has existed on the Earth! By all current estimates, the Sun is about 5-6 billion years old. This Sun has been with us through all the mass extinctions of organisms, such as the extinction of the dinosaurs, the extinction after the Permian, which wiped out 98% of the organisms on the planet. This Sun has been with us through this whole time; and if you look at the fact that there's an apparent cyclicality, a cycle of mass extinctions on the Earth, of about 62 to 65 million years, we should assume that the Sun also has much, much longer cycles, that perhaps coincided with these extinctions.

Now, we don't know what's in the Sun, or what's creating the cycles that we observe or hypothesize exist. We've only done real observations of the Sun for, if you really go back to the Greeks and Egyptians, for maybe 2-3,000 years, and we've been keeping detailed observations of features on the Sun for only about 350 years. So we don't know what's driving the cycles within the Sun. But we can make forecasts based on juxtaposing contradictory sense-perceptions and then using our creativity to make these forecasts. We can then act on these forecasts, and change the behavior of the human species accordingly.

Doesn't this mean that, if we prepare now, we can save the human race from extinctions such as what wiped out the dinosaurs? Doesn't that make us an immortal species? Doesn't that make it possible that we could preserve the existence of the human race and the other species that we take along with us, indefinitely?

If you look at this another way, if you are the substance which develops those insights which are commensurate with the creative substance of the universe, doesn't that make you exactly what is *not* sense-perceived? Yes, man inhabits a mortal body, but our true substance is the same as that of the universe, and it's there that the true immortality of the creative individual resides.

### Saturn's Weather

Okay, after all that, let's take some time to actually look at some of the recent weather—on Saturn. Around December of last year, we noticed a feature pop up on Saturn called the Northern Storm. It's a huge storm, and we began observing it with various telescopes on the Earth, and also began taking snapshots of it with the Cassini satellite, which is orbiting it (**Figure 29**). By about February of this year, you can see that the storm actually wraps all the way around Saturn.

This is the tail of the storm, coming around from the other side. This is a close-up of the core of the storm (**Figure 30**). This thing is rippling with activity. We actually have recordings online of an almost constant hum of large thunder and lightning occurring in this storm on Saturn, which might remind some people of the electrical storm we had on the Mid-Atlantic coast over the past few days.

FIGURE 29



NASA/Cassini

*A storm in Saturn's Northern Hemisphere*

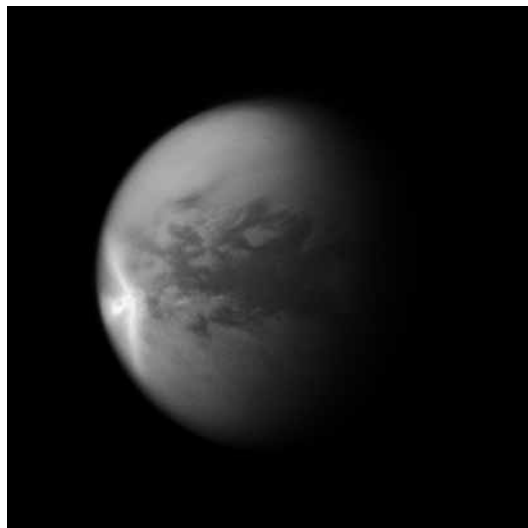
FIGURE 30



NASA/Cassini

*Closeup of the storm*

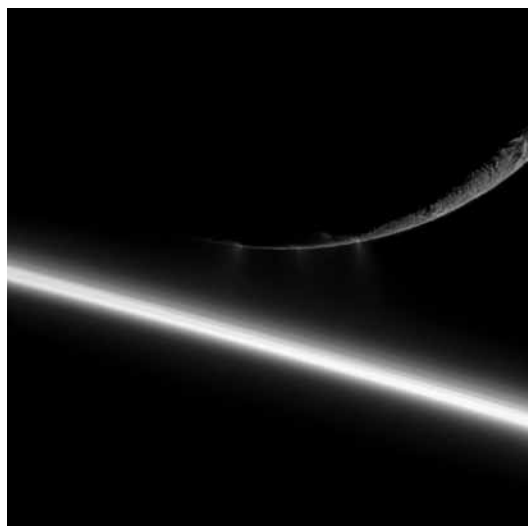
FIGURE 31



ASA/Cassini

*A storm on Titan, one of Saturn's moons*

FIGURE 32



NASA/Cassini

*Jets shooting out from Enceladus, one of Saturn's moons*

If you look at this storm, if you unwrap this northern latitude of Saturn, the storm is going all around the planet. If you look at it a couple of hours later, you see that the storm changes rapidly. And mind you, this storm is about the radius of the Earth! It's absolutely gigantic, and it's changing at a very rapid pace.

Now, weather's not just occurring on Saturn. This is the first time we've seen a storm of this magnitude. We've seen other storms, but this is the largest that we've seen.

Let's look at the moon Titan, which is the largest moon of Saturn, probably the one body in the Solar System that's most like Earth. Right now, Titan is beginning to experience storms, as is seen in this very strangely shaped storm cloud (**Figure 31**). To all our knowledge, it's right now raining on Titan. This is the beginning of its rainy season—but it's not raining water. It's raining methane.

If you look at another moon of Saturn, Enceladus, the whitest body in the Solar System, you see that it's pumping out jets from its South Pole (**Figure 32**). These are the so-called south polar jets, and this image was just taken several days ago. So you're having weather, not just on Saturn, but also on the moons of Saturn. The whole Saturn system is beginning to explode.

Now, we've seen large storms on Saturn before, although this one is the largest one that we've seen. The last several times that we've seen these storms was right after Saturn's Summer Solstice. Saturn is also inclined in its orbit, like the Earth, so it experiences seasons just like the Earth does, although the seasons take about 30 years to complete. So it's about 7-9 years between seasons.

The last time we saw storms like this was after the Summer solstices. But this storm is happening way too early right now. We just passed the Spring Equinox, the Vernal Equinox on Saturn. The Summer Solstice isn't really supposed to happen until 2017, so right now we really don't know what's causing the weather in the Saturn system. Nobody knows what's causing the weather in the Saturn system. Maybe the Sun has something to say about this?

This has been your Weather Report. Thanks for joining me today.

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### *9/11—Ten Years Later*

What Pearl Harbor was for the World War II generation, and the JFK assassination was for the Baby Boomers, the 9/11 terror attack was for those Americans currently in their young adulthood. It was a shock which shook their entire world—for better, or for worse—and the reaction to it has shaped the contours of history for years or decades to follow.

Under the leadership of Franklin Roosevelt, Americans responded to Pearl Harbor with a commitment to defeat fascism, which led to making the United States the most progressive industrialized nation in the world. And, while FDR's death led to a virtual coup against his American System approach by the British-Wall Street-controlled establishment, it was not until JFK's assassination that Americans abandoned wholesale that commitment, by adopting the bestial Liberal counter-culture we are mired in today. Crucial was the fact that no leader emerged to identify and fight the perpetrators of that crime—the British Empire—and therefore capitulated step by step to its will: the Vietnam War, the floating-exchange-rate system, deindustrialization, the death of progress.

And in the wake of 9/11? That outcome is yet to be determined, by what we do today.

The first decade of aftermath, of course, has been a disaster. As per the intent of the perpetrators of this heinous crime, the United States has moved rapidly toward becoming the chief spearhead of a process of perpetual global war, while further enmiring itself in economic decline.

But, as opposed to the situation in the 1960s, the United States today *has* a leadership prepared to identify the real authors of the 9/11 atrocity, and to shape the policy required to defeat its authors, and move ahead as a nation. Indeed, Lyndon La-

Rouche provided that guidance from the very moment of the attack—and has proceeded, with the aid of his associates and institutional collaborators, to fill out the picture to an astonishing degree.

The fruit of that counterintelligence work has been a subject of numerous *EIR* reports over the last years, but it came to a new level this week, when LPAC-TV released “Ten Years Later—The True History of 9/11.” This 55-minute video un-masks the real political context for the 9/11 assault in the form of the British imperial intent to destroy the United States, the crucial nation with the history and tradition to establish a new world credit system that would bury the bankrupt British monetarist empire. And it nails those who have covered up the crimes of the Saudis, the British, and their political toadies in the White House (Bush and Obama) as the criminals they are.

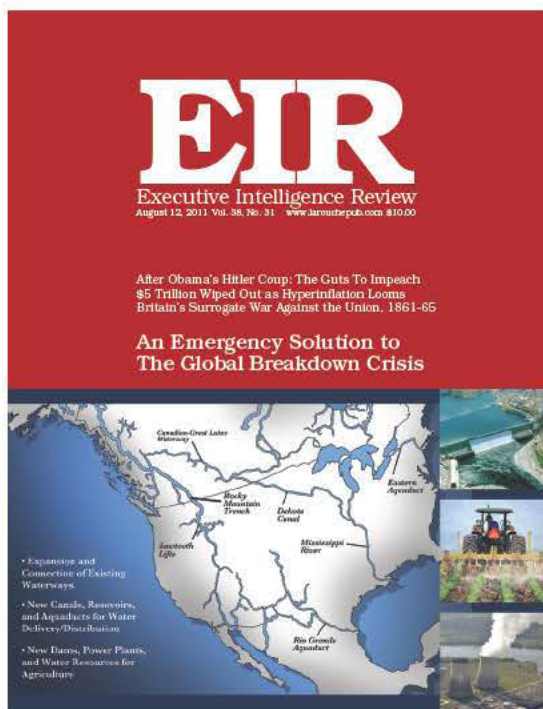
Equally important, however, is the perspective of what we in the U.S. must do in the wake of the damage that 9/11 did. LaRouche himself said it immediately, while being interviewed on a radio program at the very time of the assaults: Reach out to leading nations like Russia, and launch a process of economic and political collaboration for true economic development, that will provide the basis for isolating the terrorists, and building a future for all mankind.

Clearly, that road has not been taken, but the potential for taking it has emerged once again. So today, LaRouche has declared an immediate thrust for bringing together a treaty agreement among Russia, China, and the United States—without Obama—which will jumpstart a world recovery with a science-driver program, starting with NAWAPA. Look for more on this initiative in coming issues—as we move to extirpate the real horrors of 9/11.

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