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Toward a Bill of Impeachment of Barack Hussein Obama
Countdown to London's War of Armageddon
Dubna Conference Endorses Global Glass-Steagall

Dumb Democrats!
Principle or Party?



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EIR

From the Managing Editor

In the ancients' telling of the story of the Trojan Horse, first by Homer, in the *Odyssey*, then by Virgil, in his *Aeneid*, the Greeks, led by wily Odysseus (Ulysses), at the end of the decade-long war against Troy, construct a huge wooden horse, within which are secreted legions of Greek warriors; the horse is placed outside the gates of Troy, as a "gift" to the city. The Trojan Laocoön calls to his comrades (*Aeneid*), "O unhappy citizens, what madness? Do you think the enemy's sailed away? Or do you think any Greek gift is free of treachery? Is that Ulysses' reputation? Either there are Greeks in hiding, concealed by the wood, or it's been built as a machine to use against our walls, or spy on our homes, or fall on the city from above, or it hides some other trick: Trojans, don't trust this horse!"

Would that our political "leaders" would listen now to today's Laocoön, Lyndon LaRouche. In his *Feature* article, "Dumb Democrats! Principle or Party?" LaRouche charges that the support among leading Democratic Senators for President Obama's drive for world war, "is an example of 'party loyalty' gone mad." And, not to let the Republicans off the hook, those of "a frankly fascist bent, must also be rebuffed." What then, is to be done? Nancy Spannaus presents the remedy in the *National* lead: "Toward a Bill of Impeachment of Barack Hussein Obama."

Supplying the evidence that Obama is indeed on a war drive that could plunge the world into thermonuclear Hell, Jeffrey Steinberg writes, in "Countdown to London's War of Armageddon" (*Strategy*), that the British imperialists, confronted with the total breakdown of their financial system, are going for all-out war, with an attack on Iran as the trigger. From our Archives, we excerpt LaRouche's 1999 video "Storm over Asia," in which he identifies the historic tendency of the oligarchy to go for war, when faced with economic extinction.

Then, as now, the great nations of Eurasia are both the targets of the trans-Atlantic financial predators, and the potential partners of a post-Obama United States, in rebuilding the world economy based on an alliance of sovereign nation-states. An example of such collaboration can be found in "Russian Conference Hears LaRouche, Calls for Global Glass-Steagall," in *International*: LaRouche and LPAC's Sky Shields are the keynote speakers.



Cover This Week

Fate is moving remorselessly, like a juggernaut, like a new dark age Trojan Horse, against a self-imperilled civilization.



Giovanni Domenico Tiepolo (1760)

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With the capitulation of leading Democratic Senators to the British puppet Obama's determination to light the fuse for world war, combined with the failure of the Republican Party to produce a suitable opposition candidate, it is now clear that only the swift removal of Obama from office could open up the possibility of the emergence of a qualified candidate for the 2012 Presidential election.

"One might rightly demand that those Democratic Party Senators to whom I have referred above," writes Lyndon LaRouche, "might explain their intentions at this time, and do this before the date that Obama Presidency may have launched the presently looming, implicitly thermonuclear, 'World War III.'"

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DUMB DEMOCRATS!:

Principle or Party?

by Lyndon H. LaRouche, Jr.

October 31, 2011

It must be fairly presumed, that the action by some leading Democratic Party Senators, their action to support what is, actually, the current “World War III” policy of President Barack Obama, is an example of “party loyalty” gone mad. We must, of course, agree, that certain among the Republican candidates, those who are of a frankly fascist bent, must also be rebuffed; but, we already have an important set of those cases of Democratic representatives’ practice, which is, apparently, little better.

In any case, for certain exceptional reasons, there is no credible selection of a Presidential candidate for this time. The fact is, that unless, and until we terminate the Barack Obama Presidency, there will be, in one way or another, no sighting of a reasonable, immediate opportunity for selecting a next Presidential election at this time. The problem is, that Queen Elizabeth II’s puppet, Barack Obama, has already brought the world to the sulphurous verge of a thermonuclear “World War III.” The urgent issue for properly witting U.S. Patriots, is to get Obama dumped from the Presidency immediately, while we still have

an actually surviving republic to defend. Then, once Obama were properly dumped, new options, including perhaps a new Democratic one, will doubtless appear.

The War-Power Question:

Now, a set of leading U.S. Democratic Party Senators, has openly pledged itself, already, to continue the “World War III” policy of President Barack Obama, although there may remain some doubt concerning what



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The action by some leading Democratic Party Senators in supporting the current war policy of President Obama is an example of “party loyalty” gone mad. Will the Democrats continue to follow Obama all the way down to Hell?

those Senators actually believe that they are doing by their actions. Despite all else, the fact persists, and that without reasonable doubt, that the indicated action by those Senators, has been a piece of pathetically crude, opportunist folly. It has been, and remains, so far, an action which expresses a quality of depravity in their schemes which is almost beyond belief.

The folly perpetrated by those Senators (among others), may be summarized as having been equivalent to committing the Democratic Party's vote in the next scheduled U.S. Federal election to come about a year later than the outbreak of a global, thermonuclear World War III which an incumbent Obama were likely to bring about within that lapse of time. That means, that all that is being done under President Obama, would turn the current United States Presidency into something like, either the worst dictatorship since the Roman Emperor Nero, or, possibly, no existence of the United States at all.

Of course, that folly by such Democrats as those, should not be regarded as spoiling the dismal track-record of many in both leading U.S. political parties (or, also, the ruling parties of western and central Europe) since, for example, September 2007. Since September 2007, the build-up to "bail out" has meant sinking the American financial boat, by flooding it with ever more worthless, speculators' fictitious, nominal purchasing power—"fake money"!

One might rightly demand that those Democratic Party Senators to whom I have referred above, might explain their intentions at this time, and do this before the date that Obama Presidency may have launched the presently looming, implicitly thermonuclear, "World War III."

"World War III?"

Therefore, for as long as President Obama remains in office, "World War III" is still on the British brink of actually happening, all as if in a replay of the "Guns of August" of 1914 and 1939, and worse. At such a point in Obama's policy-shaping, it will have become too late for those Democratic Senators, and others, including Democrats like them, to change their minds concerning the next election.

Those Senators and others should review the current positioning of relevant U.S. military concentrations now in place, with respect to what I have recently identified as the positioning of major U.S. warfare capabilities—especially thermonuclear ones—with respect to

the "new Balkan cockpit" in, this time, Southwest Asia. The breakdown of the physical-economic warfare capabilities of the trans-Atlantic region leaves no serious option for anything but nuclear/thermonuclear alternatives.

Consider the question: *Why would interests centered in the Atlantic and Mediterranean wish to launch "World War III" against such leading nations of this planet as Russia, China, and, implicitly, also India, at this time? What, concretely, is the motive for such lunacy as that on the part of the same set of governments: Great Britain, France, and the United States, which have been similarly culpable in the war against Libya?* The evidence which indicates the relevant motive is, in fact, already on the proverbial "front burner."

Consider the situation of this planet as a whole.

Our planet is presently divided for the prospective, early, next "World War," that principally among the set based in the trans-Atlantic half of the planet, as represented by such powers as the combination of Britain, France, and the United States, on the one side, and on the designated opposing, trans-Pacific side, versus China, India, Russia and the remaining Asian nations.

Meanwhile, the presently still surviving, pivotal target, against which the "western" triad of concentrated attacking force is now focused immediately for immediate, direct action, is the combination of the immediately targeted nations of Syria and Iran. In this, the reason is shown for what had been the original, recent, British motive for the destruction of Libya, and for the combination of actions which included the war-criminal form of mass-murder which was executed for expedience's sake, against Muammar Qaddafi and his party, as done by a leading role by French and U.S.A. forces of Sarkozy and Barack Obama.

The sheer mass of the concentration of U.S. military and related forces concentrated in the naval forces of the Mediterranean and the Indian Ocean, under, and on the sea, and in the air, is focused for concerted action, not only against Syria and Iran; it is also targetted, implicitly, and immediately, and almost certainly—unless there is a sudden, and profound change in current trends, against Russia, China, and also, India. The sheer mass and configuration of the cumulative build-up of the Barack Obama deployment of accumulated U.S.A. forces there, alone, are sufficient to accurately predefine the recognized target, and the actual Anglo-American motive so expressed. The clearly implied,

present targets, are not only Syria and Iran; the targets include Russia, China, and, implicitly, also Pakistan's relevant neighbor, India.¹

Some, reading that same roster of U.S. and related military forces engaged in the targetting of chosen adversaries, might presume, mistakenly, that the U.S.A. and allied forces assembled are, in large, merely precautionary back-up for an assault on a limited number of targets. That is not possible; this new war, if it actually comes, will be nuclear/thermonuclear "World War Three."

"So," as the late Bertrand Russell might have begun his remarks for such an occasion, "What of it?" Since the avowed leading policy expressed by the British monarchy and its confederates, is to reduce the world's human population, rapidly, to less than one billion persons, why should Asia balk at the thought of the throwing of up to a billion Indians into the pit, while also targetting more than another billion from China, and also from Russia, while Syria and Iran are already marked out for the "rush job" of the immediate mass-extinction of their relatively modest populations, too?

Think again! Thus, the British empire, now including, in fact, the Bush-Obama faction inside the United States' establishment as a principal tool, is now, already, proximate to the economic goal of destroying most among the economies of the nations of the trans-Atlantic sector of our planet. Now, some persons of powerful political influence, apparently consider the successful use of hyperinflation as the means to destroy the principal nations of the trans-Atlantic region, as a region under U.S. puppet-Presidents (Republican) George W. Bush, Jr., and including (Democrat) Barack Obama. So, presently, the process of economic destruction of the trans-Atlantic sector of the world has already reached the point of an almost certain, willfully induced, hyper-inflationary ruin of those trans-Atlantic regions toward the west of Western Europe, and, thence across the Atlantic, and, then, including across the Pacific, into Asia.

As the British Royal family circles have made explicitly clear, with their intended "radical environmentalist" demand to reduce the world's population generally from seven billions, to one billion persons allowed to live on this planet, the radical destruction of the

economies and populations of this planet, is the demonstrated immediate, mass-murderous, "environmentalist" policy-intention of the British imperial monarchy and its trans-Atlantic accomplices now led by such figures as British puppet, U.S. President Barack Obama.

The recent experience of the succession of the rather sudden recent turn-about in policies toward Libya by British, French, and U.S.A. forces, toward the destruction of Libya, combined with the willful crime of mass murder against humanity perpetrated by the supporters of the crime against the already defeated, retreating party of Muammar Qaddafi, is an action which is now to be clearly understood for what it had actually been. The threat of a relatively immediate, similar criminal sort of warfare, has been clearly stated as now directed against Syria and Iran.

However, the present process of destroying Western Europe and the Americas, too, would leave the Asia-Pacific side of the world in the present relative advantage at the time the trans-Atlantic sector of the world were being plunged into a "new dark age." The British empire could never have intended such a result. Hence, the presently, manifestly obvious intention of the British empire to take the United States and the world at large, into an immediate lunge into global thermonuclear warfare.

Is that not insane? Of course it is! That was the same kind of British imperial intention behind "World Wars I and II," only far worse.

I. Nuclear "World War III"

At the present time, neither Russia, nor China, has any substantial reason to doubt that they are now the principal targets of the military and related forces currently focused against them, a targetting done by the British Empire and its accomplices.

Now, in the aftermath of the pre-calculated murder of Muammar al-Qaddafi and his companions, this is no longer a threat of a war of actually controllable dimensions; the present, British-led attack on Asia, has become the present replacement for the status of what had once been the recently calmed, Balkan region. The former "Balkans" has now been superseded by the new pivot, a "new Balkans" in Southwest Asia, a pivot for a new and bigger world war than that we have seen before this time. The opening target for that new world warfare, is now resettled in the "new Balkan cockpit of general war," those war-zones of Southwest Asia,

1. Do not overlook the option of an attack from nearby space, which consistency might have prompted a consistently deranged President Obama to have overlooked.



Online Photo/Muhammad Iqbal

The opening target for the new world warfare—"the new Balkan cockpit of general war"—are those war-zones of Southwest Asia, which include Pakistan. Shown: Pakistan paramilitary forces attack militants near Bara, near Peshawar, June 2008.

which presently include Pakistan.

The principal targets of this new warfare presently under way, are to be pinpointed as including most prominently Russia, China, and, also implicitly, India. The British monarchy's implicitly avowed current intention, is to reduce the world's population to not more than one billion persons. That, after all, is according to British spokesman in all this, Britain's Hans Joachim Schellnhuber's goal of "no more than one billion living on this planet," which is also the stated goal of a frankly and publicly stated British royal-imperial doctrinal goal, a genocidal intention whose public expression leaves essentially nothing remaining as to be actually left in doubt.

Clearly, one might say, "What is covering the faces of the aforementioned, misfortunate Democratic Senators whom I have referenced, is not 'ice cream.'" Hopefully, their political image could be considerably im-

proved, should they still possess the "provable wit and guts" to do so.

There is nothing much about such a now clearly intended, global, thermonuclear warfare, by some, which were not intended by the mass-murderous authors of this intended "new world war." This is a war which certain among those authors are clearly committed by their current actions, to support with general warfare, including emphasis on nuclear and thermonuclear warfare, during the relatively immediate time ahead. Implicitly, only the immediate ouster of President Obama from active control over his status as President, could save civilization (as under Section 4 of the Twenty-Fifth Amendment of the United States Constitution). Only remedial actions tantamount to the expulsion of that President from office, that done now, could enable the world to escape from virtually assured destruction by the concert of military power represented by the same set of nations which murdered a defeated, but still living captive, Muammar al-Qaddafi. This is a fact of the matter which is what makes the errant folly of what I have referenced here as the relevant Democratic Senators, far worse than merely disgusting at this present moment.

Admittedly, there is very little which is sane, or otherwise serious in the intentions of the momentarily deranged Senators and their political likenesses. The very content and the circumstances of those Senators' referenced accord, demonstrate that there has been no seriously considered intention for their behavior in that matter; they were acting essentially as nothing better than loose-lipped political opportunists, babbling away to the tunes of some silly, imagined, short-term, local advantage. Their disgusting action and related postures; make it obvious, as this was expressed in the matter of their joint statement, that they had considered absolutely nothing of importance, or even merely simple sensibility, in a serious manner; they appear to have taken into account, nothing of more consequence than collecting funds for another short season's campaign-war-chests, probably, a futile, silly, Democratic Party campaign at that.

Later, as is the disgusting custom in political behavior of that kind of politician, that, after a probably lost election, if they were still able, those same, or similar

Senators would fabricate some explanation, in the effort to quickly bury their political shame, cat-like, as by night. It had been proven, thus, that there had been no political victory, no treasure, nor political honor, in what they had done.

In the meantime, amid such silliness of some Senators such as those (from either Party), the target of a lumbering great, world-wide intent upon thermonuclear war, is presently moving toward the doom of the

Fate is moving remorselessly, moving like a juggernaut, like a lumbering "new dark age," like a Trojan Horse launched against a self-imperilled civilization.

self-inflicted, British empire—and, unfortunately, others, such as our United States, too. Fate is moving remorselessly, moving like a juggernaut, like a lumbering "new dark age," like a Trojan Horse launched against a self-imperilled civilization.

The Old Troy which was destroyed in such a manner, was the fruit of such a mistaken pretense of victory. As Aeschylus had emphasized later, the putative victors were condemned, strictly according to the principle of Classical tragedy, to suffer the punishment of remaining actually the victims of being what they, themselves, had become with their so-called winning of the Peloponnesian War. The folly of what is called that Greek civilization from that time, proved be a victory secured by those who had richly gained the moral destruction from which the memory of Hellenic triumph has never recovered to the present day—nor the Mediterranean region, either.

Such a war as that presently intended by the Britain of Obama's masters, and by their accomplices, could cause many entire nations to vanish from the current stage of history, that even permanently, as that had been demonstrated in the successive falls of three Roman empires up to the present date under the actually doomed British empire. We are now at the brink of a present "Roman Empire" (the British one) remaining as likely, yet, to go down to doom by its own hand. In the outcome of such an enterprise as that, the very name of "British" would produce such an hatred by any survivor against the British name, that it would also generate that hatred against that entire collection of those nations which had been accomplices in launching such a crime

against humanity as a whole.

So, any one like that empire itself, could be obliterated, with never one like it to return as a nation for as long as the memory itself. For, it would have been in the name of "British" imperialism, that the nations of continental Europe would have been destroyed themselves, by aid of their own hands, and the hands of others, too: all by means of the very fact of the others' guilty alliance with the British empire in this foray.

The matter of the most prominent scientific interest to be examined in this matter, presents a set of questions bearing on the estimable nature of the motive which would prompt the present British empire and its dupes to launch such a monstrously evil presumption as that expressed by that London-centered, present scheme for an implicitly thermonuclear-armed "World War III." Such is the new "Great War" which is now being pre-staged in the region of the Southwest Asian cockpit, the cockpit from which an intended World War III is now in the process of being launched with the threat of full-scale, actually thermonuclear war included.

From the start of such an inquiry, it should be considered the evident, brutish (e.g., "British") outcome of such a venture as that, that there is nothing, in this present British imperial scheme, which befits any actually natural human interest in such an enterprise in warfare as that which the British puppet, President Barack Obama, is nominally leading. In such matters, we ourselves must proceed from the vantage-point of defining the practical meaning of what is both formally identifiable as, and is, provably, "the oligarchical interest." That is an interest which is systemically contrary to any rigorously adducible form of the intrinsic interest of the membership of the actual human species.

"End London's Present Evil Empire"

It must be said in fairness to the English people, that their once-noble enterprise, under the hero Henry VII, was ruined by the criminal insanity of a Nero-like Henry VIII. Henry VIII had switched sides from Spain and France, all to the effect of quickening what had become a relatively tamed European religious warfare, by unleashing a legacy of religious warfare throughout Europe, a legacy of evil which has persisted in the likeness of William Shakespeare's image of Lady Macbeth, until the present time.

How such a principle of evil as that could have come into being, then, or now, as if it might have occurred "naturally," is a subject-matter which need not be



Wikimedia Commons

Economic progress is defined by the rates of successful increases in the productive powers of labor, per capita, and in lapsed time. Here, the contrast between low energy-flux-density labor power, in which water buffalo help a rice farmer till the soil; and high energy-flux-density agriculture, in which a GPS system in the combine assists an American farmer to plot corn yields.



USDA/Bruce Fritz

proven, yet once again. For the practical purposes of such considerations as ours here, on this immediate occasion, it were sufficient to define the oligarchical principle in its own terms, while recognizing, at the same time, the contrary principle of the human species in its essentially more natural characteristics. The mission we must adopt, is to define, and to eradicate the practical influence of the oligarchical principle as readily described as such.

For me, the urgently needed alternative to the Hellish concoction by the British Empire and its present accomplices, is very clear. I explain that in these following chapters.

II. The Human Credit System

On the evening of this just recently passed September 30, 2011, I had broadcast a national webcast address, which included the feature of my public response to three questions presented to me during the close of that presentation. The particular scientific significance of that closing series of questions-and-answers, lay in those answers which represented the rudiments of *the physical-economic principle of "credit."*

This subject, "the principle of credit," is a matter of a principle of physical science, in opposition to the

popular delusion called "monetarism." This principle of credit has a powerful moral authority, in addition to its role as *a principle of physical science as such.* That was understood among the admittedly very limited number of leading economists who had been qualified to respond to that fact, as some had done just that during the hours following the completion of that national webcast itself.²

2. The principle of physical economy leads to, and requires a rejection of a Laplacean notion of "time." In any competent practice of the branch of physical science known as "physical economy," time is to be measured across the span of a displacement of action in the passage of physical time, rather than so-called "clock time." It is a qualitative change in action which "measures" the time during which a principled change in relative power of economic action is to be measured, either forward, or when a decline of the physically principled degree of action to be measured has occurred. This distinction of a physical notion of "economic time" defines the manner in which the distinction of human time from animal activity is to be reckoned; this is the distinction which properly defines the meaning of "economics" on a Riemannian basis, rather than defined as being misjudged as being merely derivatives of financial accounting practices. This has been, not accidentally, the continuing basis for my repeated, remarkably exceptional successes as a forecaster, as since my first (July 1956) forecast of that severe relative crash, which erupted, as I had forecast, for late February, or about the first of March, 1957.

That process of economic progress, is defined by the measurable rates in the measurement of the practical effect of successful increases in the margin of the productive powers of labor, per capita, and in lapsed time. In other words, we must consider the rate of the increase of productivity, as this effect is properly to be measured in the equivalent of the lapsed time of a specific effect of change in the physical state of the system. This refers, in one fashion, to the rate of physical-economic decline, or rise, expressed by the lapsed time of an economy, or to the relatively lapsed time of the change in relative productivity, that within a designatable phase of the economic process considered (relatively) as a whole. No silly fraud. such as a “Second Law of Thermodynamics,” is to be permitted on these premises.

This process can be compared, and should be correlated with the required rate of increase of *energy-flux density* in the progressive, evolutionary development of living species. This is implicitly measurable for species other than our own, in terms of the process expressed in the effective evolution of successive species over the longer term, as that might be estimated for some parts of the evolutionary record. The difference here is, that man’s creativity is voluntarily, willfully intentional, as in the case of a creative discovery of physical principle. This is a capacity absent from the repertoires of those other living species-types presently known to us.

The essential difference between my repeated, notable successes as an economic forecaster, relative to the stunningly consistent quality of failures of my customary, putative rivals from various leading nations, lies in *the physical science* of the matter of economy, *that of physical economy*, rather than in the measurements represented by the incompetence of methods intrinsic to the reliance on financial accounting and related methods. The concluding, question-and-answer part of my National broadcast of this recent September 30th, contains the essential germ of the matter of scientific method in economics.

The Matter of Method

The difference between the two methods, *the difference of the economics method of the physical scientist from that of the monetarist*, is that the monetarist accounting-specialist relies on *the price expressed in the purchase and sale of money as such*; the physical scientist must measure economic performance in what are fairly identified as in terms of the physical-science practice of Bernhard Riemann, as Riemann’s own

achievements are to be combined with the work of Riemann’s relevant successor in closely related matters, Russia’s great scientific master-mind V.I. Vernadsky. That is to emphasize that Vernadsky transformed Riemannian physics, by elevating it to its incorporation, successively, to, first, life in general, and, then, the qualitatively higher principle of human life.

My emphasis on the inclusion of Vernadsky in my references to the subject of *a science of physical economy, rather than mere financial accounting*, places the needed emphasis of all truly qualified physical science on the strict meaning of the distinction of “human.”

Human beings provide the only instance of a living species presently known to us as being actually, *willfully creative*. “Creative” means, therefore, a form of what is termed “human behavior,” the which is typified by the action of a discovered proof of a universal physical principle of physical science. All of my original working accomplishments in the actual physical science of economics, including those of my approach to economic forecasting, are the fruit of that method of physical economy. These accomplishments, have been premised upon knowledge of the characteristics of successful approaches to human forecasting of physical trends in physical economy. This recognition by me occurred, first, since about February 1953, and, in a second, qualitatively more advanced phase, since the course of the 1970s.

Now, therefore, pause here to make clear how and why the vantage-point illustrated by the discoveries of Vernadsky, must come specifically into consideration here. A summary discussion on the matter of the subject of “sense perception” becomes crucial at this point.

The Principle of Metaphor

To be competent, you must understand “metaphor” as being an efficiently physical principle in all of its essential features as a process in physical space-time. It is, in fact, the most essential principle of a fully competent approach to physical science.

Before entering, here, within the domain of the role of the discoveries of physical science, we must touch briefly on the crucial aspect of physical-scientific principles which pertain to the crucial function of *metaphor*.

Metaphor, although often considered a matter of Classical artistic composition, is not essentially that; it is the actual foundation of all competent strains of physical-scientific method within the bounds of the actual function of the human mind. To illustrate that

point, I present some rather brief comment on the generality of the illustrative subject of the so-called “five senses.”

We actually have, normally, considerably more than five biological sensing mechanisms, as most among scientifically trained persons should have known very well; but, the relatively simpler illustration which I employ in this present instance, will be sufficient for our introductory pedagogical uses here.³

The following point, prepares the needed introduction of the crucial principle which will come to be expressed in the completed entirety of this report as a whole.

The typical difficulty faced by the citizen in the matter of scientific method, is that the so-called “physical senses” do not show us the actually primary realities of those processes which are our sensory experience as such; they provide us, rather, with the effect of “shadows” cast to form what we experience as known either as sense-perception, or as kindred mechanisms of what are commonly recognized as both immediately sensory, but also extended-sensory experiences.

These latter cases are typified, in their illustration, by instruments such as microscopes or telescopes, as Bernhard Riemann illustrated that point in both the concluding, third section of his famous 1854 habilitation dissertation, and in the related implications of his “Theory of Abelian Functions.” For the reader’s working purposes here, we must think of sense-perceptions as “*imaginary but really experienced shadows, which are cast by the impact of the powers of sense-perception*,” rather than being those powers themselves. In the science of the matter, that means that we must define our object of attention as “that ‘unseen reality’ which had cast those apparent shadows.”

In other illustrations of this same point, what you read as the persons whom you see, with whom you discuss, and so forth, are real in a certain sense, as even shadows merely reflect an actual reality; “they are no better in actually efficient truth,” than as being the effect of experiencing the shadows, as metaphorical, as being of that which has caused an unseen, actually physical effect. As we reach deeper, especially much deeper, and also much more grandly into the universe which we actually inhabit, the practical implications of knowing the distinctions which I have just emphasized

here, become proportionately greater in importance for the scientist, especially when considered from the standpoint of a typically Riemannian quality of non-mathematical scientific practice.⁴

Take a highly significant aspect of the subject immediately at hand here: the subject of the physical

Metaphor . . . is the actual foundation of all competent strains of physical-scientific method within the bounds of the actual function of the human mind.

meaning of *life*, with special emphasis on the additional challenge met when we put the emphasis on *human life* (i.e., the *Noösphere*), instead of that which is merely *life*. This brings Vernadsky’s achievements in defining the **Noösphere** directly into consideration.

Did you ever imagine that you might bring home a flask containing nothing but the “substance” of life? *Rather a difficult object to define for observation, isn’t it?!* There are very distinct differences between life and non-life, and, also, the differences between human and non-human life; but, what is either, life, or human life *per se*?

Now, reflect on this discussion of sense-perception thus far.

Science This Far

Thus far in this discussion, we have been attempting to connect what is merely a shadow of actual reality (e.g., sense-perception) with *what is not* of the ontological stuff which “cast those shadows” which are projected into the form of either sense-perceptions, or, into their systemically ontological likeness. What, then, we might ask, is the connection between the mere “shadow” and the reality, all gathered amid that which is not made of the imputable stuff of sense-perception *per se*?

The appropriate answer to such questions was supplied, thus, in a certain meaningful sense, by one of the

3. That simplistic illustration used, only momentarily, here, will be dumped into the waste-basket, soon, hereafter.

4. I.e., the closing sentence of the concluding Section Three of Riemann’s habilitation dissertation. Section Three in its entirety, must be taken into account for the efficient reading of that closing sentence respecting the lack of truthfulness in sense-perception as such. Kepler’s uniquely original discovery of the universal principle of gravitation is notably a more thorough version of the original actually experimental proof of the principle involved in that closing sentence, in what it says respecting the entirety of Section Three.

greatest scientific minds in modern history, Johannes Kepler. One of his salient points of relevant importance for our purposes here, is the exhaustive and meticulous care with which he executed the only known to be original discovery of a principle of gravitation.

Two of his discoveries are of the utmost relevance for our immediate subject here. First, is his uniquely original discovery of a universal principle of gravitation. Kepler was the only original discoverer of that principle known to modern science.

However, to track the origins of his discovery of gravitation, we must add consideration of his earlier presentation of the notion of a “vicarious hypothesis,” from “outside deduction,” which was the “organic [ontologically principled] basis” for the work leading into the undertaking of the discovery of the principle of gravitation.

That is the simplest acceptable identification of that case, but, which, however, had its traceable origins in certain leading aspects of the work of Filippo Brunelleschi⁵ and, more emphatically and more broadly, that of Nicholas of Cusa, as exemplified in Cusa’s *De Docta Ignorantia*.⁶

The particular significance of those presented scientific references for our purposes here, is that they provide us access to insight into what might appear to be the “bridges” which are the connections, respectively, to our practical relationship to the real universe, and, also, to interpreting the shadow-land of sense-perception and the latter’s own derivatives. For our immediate purposes here, it is the matter of the “nature” of life, and, qualitatively more important, human life, which is our leading concern at this moment. Only human life’s consciously scientific and kindred practices, present us with access to the knowledge of an actual physical principle, as Bernhard Riemann introduced this conception



A statue of Johannes Kepler in the gardens at the Linzer Schloss, Austria.

Creative Commons/Aldaron

The ironical juxtapositions of those categories of sense-perception, such as sight and harmonics of hearing, create a systemic contradiction; it was the contradiction between the two which prompted the discovery of a true principle, the principle of gravitation, which was not a simple product of sense-perception as such. This represents an example of the role of metaphor in defining access to knowledge of what are actually discovered universal principles.

in the concluding, third section of his 1854 **Habilitation Dissertation**, and the 1857 **Theory of Abelian Functions**.

The crucial issue posed to us in this fashion, is the subject of *humanly willful mental action*. It is that action which is the essential target of our inquiry into the matter of *physical economy*. The proper meaning of the term *will* suddenly seems to mean everything worthy to be known. However, to address what might appear to be the mysteries bestirred in treating that matter thus far, we must carry our inquiry thus far, and beyond, into a related consideration: *the concept of metaphor*.

Mind & Metaphor

The essence of the source of the specific power of the human mind, is expressed in the form of *metaphor*: it is the recognition of the unseen object which defines, in its simplest expression, the lack of a missing quality of efficient relationship among two, or more, otherwise unstated, objects. Kepler’s discovery of the principle of gravitation was, for the purposes of the development of modern physical science, an expression of the application of that point of principle thus illustrated here. All competently defined Classical poetry, for example, is premised upon that principle of metaphor, so conceived; reciprocally, all creativity is expressed in a mode which is classically poetic.

Thus, intrinsically, competent scientific practice can not be also competently defined as being essentially deductive.

5. The role of the catenary in the feasibility of the crafting of the cupola of **Santa Maria del Fiore**.

6. The general conception of the basis for modern physical science.

However, the additional point which is urgently to be considered, is that there has been a widespread error made on exactly this account. This has been an error which has often been, even chiefly, a relic of the effect of a controlling role customarily played by practices inherent in what is termed “the oligarchical principle.” It is exactly here, at this point, that the principle of metaphor and the notion of human creativity coincide as a matter of method. Kepler’s uniquely original discovery of a principle of universal gravitation, like a related, crucial sort of irony, “the fine-structure constant,” is the most typical case of scientific irony on this account.⁷

It is fortunate, that we need not stretch that fascinating irony of the fine-structure constant here, in today’s location, to seek out certain clearly validatable conclusions respecting the more limited subject-matter which I have limited myself to clarifying within this immediate setting. The subject thus posed may be regarded as being susceptible of becoming “settled” for as far as can be reached within the bounds of the principle which I have addressed directly within the bounds of this present chapter.

That much said bearing on future chapters’ references, and the like, I shall now return to a fuller focus on the urgency of a correct understanding of the nature and function of metaphor.

Almost no putative experts on that latter subject have been known to me as actually having stated a relevant understanding of the principle involved. This fact should not be considered surprising, when the facts which I had already presented above were considered. The case of Kepler’s unique discovery of the principle of gravitation, provides an excellent key to understanding the point to be made. Kepler’s place in the history of science, as an avowed student of Nicholas of Cusa, suggests that the essence of this subject was already known to relevant predecessors of Kepler, although not always explicitly presented on the known record.

Kepler had considered two categories of relevant clues, neither of which was real evidence in itself, but not to be considered real simply because it had been discovered as an explicit expression of sense perceptions. The ironical juxtapositions of those categories of sense-perception, such as sight and harmonics of hearing, etc., create a systemic contradiction; it was the con-

tradition between the two which prompted the discovery of a true principle, the principle of gravitation, which was not a simple product of sense-perception as such. This represents an example of the role of metaphor in defining access to knowledge of what are actually discovered universal principles.

The concluding, third, section of Bernhard Riemann’s habilitation dissertation, is implicitly rich in its suggestions of that type. In fact, his argument, as rooted in the argument he made in that location, typifies the principle which separates the pitiable naiveté of sense-perception, from actual scientific discovery. The reality of scientifically defined physical-space-time, as this is represented by Riemann’s argument in that location, has no direct correspondence with the asserted sense-certainty expressed in the form of simple-minded algebraic, or comparable class-room or “common sense” functions. One need but consider, once more, the set of explicit statements proffered in the concluding, intrinsically metaphorical section of Riemann’s habilitation dissertation. One need merely add the higher expression of the same quality of distinction represented by both Vernadsky’s view of living processes, generally, and, most emphatically, the creative powers specific to the human mind, but lacking explicit manifestation in the actions of other living creatures.

The universe is not organized *deductively*. Truth relies upon the notion of metaphor, when that conception is recognized as the distinct nature of the expression of creativity. Creativity is to be recognized, in this case, as this is also expressed by Classical poetry, and, similarly, by strictly Classical modes in musical composition and performance. However, it is, essentially, the relevant model of that which sets mankind apart from other forms of life, the model which, thus, implicitly, defines the distinction of Creator and man, in common, from all of the lower forms of life.⁸

It is the same quality of distinctions which defines the principle of creativity presently known to us as pervading in the universe.

Creativity, as I have defined it, thus, implicitly, here, as the principle of the universe as we know it, is this which defines mankind as a universal being, but not lower forms of life. That point is available to be made clearer, through the notion of creativity which I presented in the concluding replies to the questions presented to me in my September 30 National broadcast, as follows.

7. I.e., the popular, fun-loving scientific conundrum is: “How much is actually ‘constant’ about a ‘fine-structure constant’ when it is located within our evolving universe, if the latter is regarded as contained within a higher ordering of our universe?”

8. Hence, man in the likeness of the Creator.



LPAC-TV

"The actual experience of human knowledge occurs as a form of 'Classical artistic composition,' rather than a mathematical-physical model as such. In some cases, this distinction has been associated with the distinction between dreaming in color, and in the sense of a likeness to dreaming in 'black and white.'" Here, a Schiller Institute performance in Germany of Beethoven's "Choral Fantasy."

Our universe is an expression of a universal principle of creation, and mankind is the specific creature which transcends the death of the human individual through man's uniquely specific role as a means of the witting fostering of creation per se from one generation to a next. It is in the principle of creativity which is the immortal transition from the person's past and present to the future, through creativity, that mankind's knowable behavior, as a species, partakes of the quality of the individual representation of what should be, otherwise, the representation of our quality of function of an immortal, creative species.

The practical point to be emphasized on that account, is our need to discover the reality of our existence in the universe, as a universal being, through that function of human creativity which I illustrated, in a typical way, in my simple replies to questions in that September 30th National broadcast proceeding.

That principle, so indicated, is the immortal expression of human creativity as such, the expression of creativity which imbues a tie to immortality in the individual's participation which is to be sensed through the fostering of that quality of an habituated sense of usual creativity, an experience which partakes, thus, of the immortality within which the human individual may participate as within the continuity of a seamless process of human creativity. It is the unfolding of creativity within our experience, which, by linking successive generations as linked together by an immortal process of the

progress of creativity, such as scientific creativity, and the creative actions of metaphor more broadly, defines the sense of participation in an immortal, creative personal soul, and, truthfully, in no other way.

Not to experience such creativity in one's self, lends a sense of a moral depression, a sensing which is tantamount to the feeling of an onset of death, an onset which has been experienced by many still-living human individuals, not necessarily due to age, but as the psychological warning signs of oncoming mortality are expressed.

The Experience of Creation

That much stated this far. There remains a crucial distinction between the experiencing of the notion that

our sense-experiences are sometimes merely a shadow cast by an "unseen reality," as in the case of the experience of something which corresponds to the scientific formulation of the description of an actual experience, and a direct awareness of that which has been merely described, as if merely mathematically. The experience of an intellectual "nearness" of such a continuing prescience, is not the same intellectual experience as knowing the sensory experience as if of a shadow as being "sensed" as being "only a shadow."

During my own young adulthood, I had come to share an awareness that the actual experience of human knowledge occurs as a form of "Classical artistic composition," rather than a mathematical-physical model as such. In some cases, this distinction has been associated with the distinction between dreaming in color, and in the sense of a likeness to dreaming in "black and white." This were more likely to be experienced by actually creative scientific personalities, who are also imbued with a more or less professional quality of Classical musical-artistic composition and its performances, and who tend, consequently to dream in "color."

This phenomenon should not be considered odd, when it occurs, if and when we take into account the fuller implications of an intimacy with the Classical-artistic modes of intellectual experience. Thus, the mathematician tends to dream in Euclidean black-and-white, whereas the greatest scientific and artistic minds both tend toward color, and to music consistent with the

creative outlook which tends to be typified by Classical musical composition, rather than other varieties.

The relevant distinctions are those between the mind which experiences itself, and the mind which is controlled by virtually blind faith in a notion of sense-perception as if in itself. Thus, currently popular “music” is symptomatic of the perversity of a decadence in the condition of today’s popular sort of individual human mind. The so-called “practical mind” expresses, thus, a relatively decadent quality of personal world-outlook.

To illustrate the point, take a page from astronomy.

We actually dwell in a universe which envelops the individual experience of outlook on a galaxy of billions of stellar objects, and a super-galaxy of billions of galaxies. In matters of science, we must recognize that that which encompasses us, is the reigning reality on which we human beings must, ultimately, premise the outcome of our passing experience of existence. So, the ancient mariners who sailed across the oceans, read the stars and the motions of the planets to discover the destiny of our species’ experienced process of living. So, we had veteran nuclear-physical scientist Professor Robert J. Moon’s repeated emphasis on the needed, critical outlook on the “fine structure constant.” He had insisted, repeatedly, on the irony of this to the fellow-members of Fusion Energy Foundation (FEF), during my experience with him in the 1970s and 1980s. It was only a necessary coincidence, that man’s practical commitment to reaching a manned Moon-landing, since the 1920s, turned out to be the greatest impetus for astronomical progress in universal scientific achievements since that time to the present date. It is thus, that we come to master aspects of the universal, and that we might do this, in this way, to the end that we might achieve the cognitive development of the power to affect the “universe” within which our existence occurs.

We discover the patterns of the weather as we see our galaxy as the habitat of our Solar system, and that Solar system as the habitat of Earth, and so on. We dwell in a universe composed of universalizing processes, rather than the habitual reductionist’s discrete objects. We are not objects as such, but that which contains and defines our higher power to act upon our objective with efficient intellectuality, thus to act upon the universality which contains us,

and that by means of which we act on that universe. We are, thus, something greater than that which the hide of the ignorant person might believe were containing him, viewing him as contained as a being which exists essentially as a discrete object. It is as our mind recognizes the reality, that we are enabled to escape the bonds of a mere likeness to bestiality, a feat accomplished by being a radiant expression of the universe which we inhabit. Our limits are often those which a brutish sense of ego imposes upon us, rather than being something universal, something beyond the formal boundaries of our carcass.

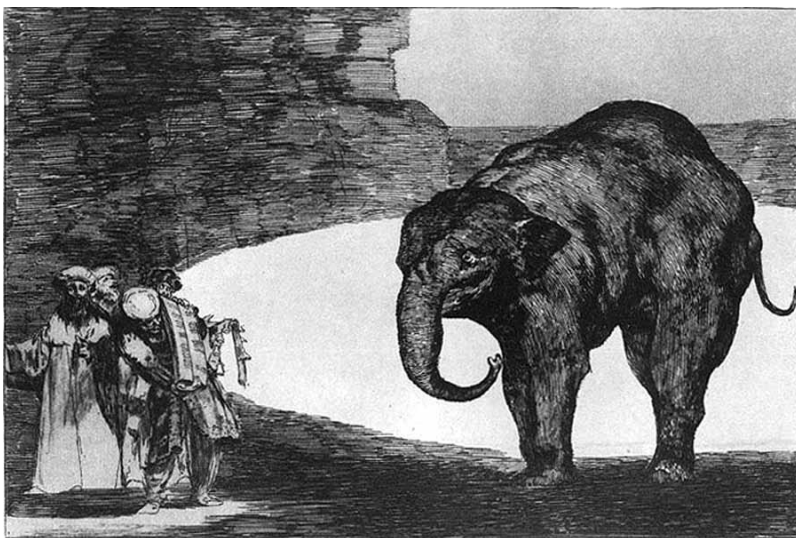
III. Four Fatal Follies

To place what I have written thus far, within its most relevant, practical terms, probably our best approach would be to examine the matter of cures for this planet’s presently most deadly follies, by placing matters under the following four, component, topical headings:

A. The silliness of current U.S. political life.

Why is the Democratic Party’s leadership presently insane? (Not to mention the Republican Party.)

The hysterical folly of the Democratic Party at this time, is exhibited in the presumption, that since the worse than fascist President of the United States, Barack Obama, is nominally a Democrat, that that Party



Folly No. 1

“The silliness of current U.S. political life: Why is the Democratic Party’s leadership presently insane? (Not to mention the Republican Party.)”
—*Disparates 21: “Animal folly,” Goya (1815-23)*

itself is obliged to support that President for the next electoral round of voting, in November 2012. (In fact, the characteristic of President Obama has been shown to be, certainly, that of the infamous Roman Emperor, and mass-murderer, Nero.)

Moreover, that incumbent President has already increased the trend of death-rates among the majority of our citizens, and has imposed policies which, themselves, intentionally increase the death-rates among our citizens. He has insisted on additional actions which will increase that death-rate still more. In fact, that President has been essentially a mere tool of a British monarchy whose avowed doctrines are intended to reduce the world's human population from a present level of seven billions souls, to one billion, or less. The currently avowed practice of the British monarchy, and of President Obama and his administration, are already occupied with accelerated rates of exactly such currently avowed policies of genocide in practice.

At the same time, the current policies of many among the Republican pre-candidates for President are as bad, or sometimes worse than those of Obama. The conclusion to which these indisputable facts must lead, is that the Democratic Party should dump the mass-murderous Obama (and his like), and run its candidates against both Obama and the apparent trend among the likely candidates for the Republican Presidential nomination.

The most stupid, and even worst sort of candidacy for U.S. President this round, would be to back a President whose policies emulate those of both Adolf Hitler and the Emperor Nero (as Obama and his leading supporters have done this). The sane conclusion is that the Democratic Party must now, immediately, and urgently, commit itself to throwing President Barack Obama, out of office immediately, as must be done under both Section 4 of the Federal 25th Amendment and his own impeachable offenses. The current trend in Democratic Party candidate for President in 2012, is, therefore, that he must be clinically sane in conduct and expressed intention, and must become an effectively anti-Obama representative. *Obama himself must be promptly impeached on the basis of clear evidence at hand.*

The Democratic Party must, therefore, terminate President Obama's candidacy now, and declare itself against the leading, offending policies and practices of the Obama Presidency now. In sum, we must defend our republic by throwing Obama out of office on compelling premises, and that immediately!

Eradicate Obama's Genocide!

The basis of the current argument for murderous practices on behalf of the policies of both the British monarchy and the avowedly murderous Obama U.S. Presidency now, is the British's monarchy's stated presumption, that the size of the human population must be greatly reduced, that on the scale of a vast and sudden surge of reduction in what had been not only the available improvements in the productive powers of human labor, but a savage reduction of the existing population through aid of aversive physical-economic and related practices.

Notably, the collapse of the levels of the human population in the trans-Atlantic regions (in particular) has been greatly extended in both breadth and depth through the combination of deliberately hyper-inflationary monetarist policies and systemic destruction of the technologies which would have prevented a current trend toward those pro-genocidal policies of practice which had been explicitly intended to force a combined collapse of the standard of living of the world's human population, and to promote even genocidal methods intended to induce radical, and, hence, murderous degrees of rapid population reduction.

The leading instrument of policy which has been used to effect a forced genocide among nations and their people, since the launching of that insane U.S. warfare in Indo-China which President John F. Kennedy and General Douglas MacArthur had denounced in advance, has been the combined efforts of the Anglo-philic, oligarchical currents of the current British empire and its accomplices: to bring down the levels of productivity of the human population generally, all that carried out through policies associated with the likeness of that person who had been, probably, the most evil man of the Twentieth Century, Bertrand Russell with his kind. Russell and his kind proceeded toward such ends by promotion of general warfare and related means, as since the close of the Nineteenth Century and the beginning decades of the Twentieth Century.

The fact is that the world has now entered fully into a condition in which general warfare among nations is no longer a feasibly sustainable option. With such developments as current advances in the destructive forces required to win a war, there can be no winner in warfare, but only the ruin of civilization and accelerated death-rates among the population.

Such things as those represent a state of world affairs which has always been implicit in that oligarchical principle which has been, in turn, illustrated by not only the

Peloponnesian War, but even during earlier times under the reign of the oligarchical system. The root of the conflict of general warfare among nations and people, was inherent in that oligarchical principle of perpetual conflict between the reigning class of “the gods” and the alleged human form of “cattle.” The oligarchical principle of keeping the “human cattle” relatively “dumbed down” to the levels of crude and relatively low “energy-flux densities” of technologies, has been a great, most evil curse, to which mankind has been subjected through what recorded history has known, mostly, as oligarchical subjugation, that since ancient through modern history, always under the influence of the oligarchical principle.

Thus, what has been known in history as the reign of an oligarchical culture and its classes, has now come to the point that oligarchism and the principle of humanity could no longer safely inhabit the same planet, even, perhaps, the same galaxy. It is the present condition of this planet, that reign over nations by the selected means of warfare, is, therefore, no longer a feasible option. The power of not only thermonuclear weapons, but means such as biological warfare, or simple impoverishment, and the like, can now no longer be tolerated as a policy of practice among nations.

B. The frequent silliness of current notions of strategic policies.

What is wrong with today's military policies?

As I have emphasized under the preceding topic, and conformably to all serious forms of relevant evidence, the allowable practice of major warfare by governments ended at about the same time that I had taken a leading position in what came to be proposed as a *Strategic Defense Initiative (SDI)*. Indeed, the intention of what had become SDI had been placed on the mooted agenda, by me, in late 1977, as a result of my initiative. This policy had gained increasingly active support among relevant leaders among a number of important nations, over the course of the 1977-1983 interval, and had been repeatedly proposed by U.S. President Ronald Reagan during the course of the 1980s.

Since that latter time, the use of the option of general warfare among leading nations, and, indeed, now,



Folly No. 2

“The frequent silliness of current notions of strategic policies: What is wrong with today's military policies?”

—*Disparates 19: “A well-known folly,” Goya (1815-23)*

virtually all nations, has ceased to exist as a feasible solution for the pains and perils of mankind.

Nonetheless, what I, and other prominent spokesmen from around much of the world, had believed and supported, then, has now reached the point, that any voluntary attempt at general warfare, even on a limited scale, is an expression of what is to be denoted, in its aftermath, as clinical insanity. War has always been a sickness of peoples and their governments, the so-called oligarchical sickness; but, also, as presently, often an option which relevant nations had often found themselves with no apparent option to resist.

This now requires some discussion.

War is not a natural consequence of an alleged inherent human propensity for violence. Warfare is either an expression of the blinding stupidity of some backwards people, as, specifically most significantly, a product of what is called the same “oligarchical principle” whose expression was typified by the Peloponnesian War, and, more deeply, the principle of the legendary, maritime cult of the Olympian Zeus, or his echo, which has also been expressed by such models as the bestialized, mass-murderous Aztec cult. War has been imposed, by some by oligarchical motives, or as imposed on those who are seeking to resist the oligarchy's initiatives for warfare.

The continuation of the reign of oligarchical interests, kept the fires of warfare stoked against a true civilization of mankind. “We knew it was wrong, but ‘we

had to learn to defend ourselves' even if it worked against our own, acquired interests." The time has now arrived, with the arrival of not only nuclear, but also thermonuclear capabilities, that war is no longer an efficient defense of anyone's national interest.

The present root of such problems as might be described as those, does not lie even in the attributable degree of violence of what has recently emerged as the specific violence of today's strategic weaponry. It lies, essentially, in the likeness of the policies of Barack Obama's incumbency. It lies in the failure to accept mankind's present destiny: "the extra-terrestrial principle" of our "space age," the principle which the British imperial puppet, President Barack Obama, has attempted, desperately, to prevent.

The Galactic Principle

Therefore! Study the principle of what has been named as the "Fine-structure Constant," which was drilled into many among us who had been associated with leading nuclear scientist Professor Moon's leading role in the Fusion Energy Foundation (FEF). That "Constant" implied a relationship within a great part of the galactical system which contains both our immediate galaxy, and the higher, super-galactic order. Some among us, I think wisely, suspect that that "Constant" is not exactly a fixed "constant," but, only apparently fixed, relatively fixed in the sense of the effect on our perceptual powers of the vast extent of the implied scale of the apparently, perpetually self-creating universe. (Otherwise, it could not be actually a universe.)

From the study of life over so brief an interval as a half-billion years within our immediate galaxy, the history of the thus-observed, proximate universality, begs that we humans reach mankind's true adulthood, to take a hand in the creative management of that region of a still-developing universe proximate to us. We who think and search in such terms of reference, will tend to agree, that mankind can not limit our species to the inherent vulnerability of our planet Earth. From such vantage-points as the closing, third section of Bernhard Riemann's 1854 habilitation dissertation, our partial successes in the domain of thermonuclear power thus far, do not attract us to the prospect of thermonuclear weapons of war; but, neither

can we presume that such military technologies are in some way the natural consequence of the discovery of either such technologies, or of future "matter-antimatter" capabilities. Man's destiny, as a creature manifestly in the potential which appears to us as the likeness of a Creator, could not have intended mankind to have been limited to squabbles among life on Earth forever.

I recall from my immediate post-World War II days, my poem ["My Lyre"] in which I acclaimed man's destiny to be that of "bending stars like reeds." The memory has haunted me, currently, and increasingly, across more than a half-century of my immediate, post-World War II life. I know that that is the right perspective, still, for today, and will be ever more so.

C. The silliness of current notions of economic policies.

What is rotten-wrong with monetarist policies?

The relatively simplest identification of the powers inherent in the human species is our species' capacity to increase the attributable increase of the "energy-flux density" of mankind's power to exist, per capita, and per cubic mass of power expressed.

Earlier in this report, I had emphasized the role of those powers of creativity which are unique to mankind: Man's voluntary creation of the discovery of a universal creation of the universal principles associated with



Folly No. 3

"The silliness of current notions of economic policies: What is rotten-wrong with monetarist policies?"

—Disparates 4: "The Big Booby," Goya (1815-23)

human creativity's role in the qualitative (and also quantitative) advances of mankind and mankind's society. This power, which is unique to us among known living species, coincides with the same notion of creativity which is also specific to the known universe in general, and also to the creative powers of the human mind.⁹

D. The silliness of current notions of galactic policies.

What is wrong about the way we treat, or simply ignore the importance of human life within our galaxy?

The uniqueness of the specifically creative function of the human mind, distinguishes the human species, and the human individual, from all other known living creatures. Only the human species, among all others known, has the specific attribute of willful creativity's effect on the universe. In this respect, all other species are functionally subordinate-in-principle to the human species, and the human species is subsumed only by the power of a living quality of eternity as such. Man, thus, is made in *the likeness of the Creator*.

The evidence in support and clarification of that role of the human species, indicates that mankind is responsible for fulfilling that function of true creativity. It is mankind which must develop itself to influence the direction and quality of the Solar system which inhabits our galaxy, and, thus, influences the development of that galaxy, in turn.

We are, in that manner and degree, responsible for mankind's progressive improvement of the Solar system and its role in contributing a certain development within the galaxy.

That is not to insist that man can exert such influence in the manner of a species indigenous to Mars, or

some other planet. It signifies that we are equipped, by the development of our creative potential, to create means by which we can bring about certain needed changes in our Solar system, and certain wonderful effects within our galaxy. Before leaving this report, something important must now be added.

Our duty is to set into motion crafted instruments and their effects, by means of which we are enabled to shape developments within our Solar system through the means of an extraterrestrial outreach. That is the outreach through which we can exert control over processes which we, in our own incarnate species-form, could not touch directly with our own, attributable bodily form. It is on the account of that latter, stated role



Folly No. 4

"The silliness of current notions of galactic policies: What is wrong about the way we treat, or simply ignore the importance of human life within our galaxy?"

—*Disparates 13: "One way to fly," Goya (1815-23)*

and capability, that the mind of mankind can exert power over that which the incarnate human body could not touch. Man is the incarnate power of the self-development of that powerful agency which is the appropriately developed human mind. Mankind is, thus, a super-species, which lives not in the flesh, but is the implied incarnation of the innately creative powers of the human mind.

Mankind, therefore, is not a mere "Earthling." The human mind is the necessary instrument by means of whose development of the role of mankind in the universe, it can reach to the galaxies and super-galaxies above: all in good time.

9. That is a point which bears on the matter of interpretation of a "fine-structure constant." If the universe is creative, the value of the "fine structure constant" is subject to change. The exploration of that kind of consequence is expressed by the upward process of development of evolution of living species, as in the subject of the evolution of known living species during the recent half-billion years. This is to be examined in light of strong evidence suggesting that the human species has lived only during a few millions of years. All of this points to the uniqueness of the human species, with respect to other cases of known living species.

Countdown to London's War of Armageddon

Special to EIR

Nov. 8—With the imminent release of a new report on Iran's nuclear program from the International Atomic Energy Agency (IAEA), the propaganda for a preemptive attack on Iran escalated this week to unprecedented levels of lies and provocation. This propaganda barrage is intended to bring the world to the brink of a world war, that will rapidly lead to the launching of thermo-nuclear weapons.

While senior U.S. intelligence officials familiar with the IAEA's pending report confirm to *EIR* that there is no Iranian nuclear bomb, and no near-term prospect of Iran building one, the disinformation campaign has reached such a frenzied peak that it will take an extraordinary intervention to avoid an Israeli, or combined Israeli/Anglo-American attack on Iran that will be the opening salvo of World War III.

The architects of this looming war are out to provoke mass destruction and genocide, targeting the entirety of Eurasia and beyond. While the propaganda for war has all the earmarks of the earlier "sexed up" lies about Saddam Hussein's weapons of mass destruction arsenal, which provided the pretext for the March 2003 invasion, the intent behind the targeting of Iran and Syria today goes far beyond anything that Tony Blair, George W. Bush, or even Dick Cheney envisioned as war objectives against Iraq.

The intent, this time around, is to provoke a genocidal world war, targeted at the major population centers of Eurasia—China and India—as well as Russia.

There are no limited objectives. The reason for this, is that the entire trans-Atlantic centered British Imperial system of finance and political power is in a state of final disintegration. As events of recent weeks make clear to anyone who wishes to see, the entire European and North American financial system has been turned into one big hyperinflationary bubble that cannot be sustained. As the result of this speculative bubble, the real economies of Europe and the Americas have been gutted. The combined financial hyperinflation and physical-economic breakdown, perfectly forecasted by Lyndon LaRouche in his "Triple Curve" presentation before a Vatican audience more than a decade ago, is now playing out at breakneck speed.

Whether the immediate trigger for a total meltdown of the trans-Atlantic banking system is a Greek default, or an Italian default, or the collapse of a major Wall Street bank, is of little consequence. The trans-Atlantic region is doomed, in the very near term. Nothing within the framework of the current British Imperial System can avert the inevitable collapse. The time frame for this disintegration is measured in days, weeks, or months.

This is decidedly not the situation in the Eurasia-Pacific region of the globe, where China and India, with a combined population of more than 2.5 billion, are continuing to grow, despite the disruption of European and American export markets since the 2007-2008 beginning of the bursting of the Western speculative



www.bilderberg.org/bernhard.htm

Prince Philip Calls for Genocide

The idea that the British are pursuing a course of mass genocide, orders of magnitude beyond the worst crimes of Hitler and the Nazis, should come as no surprise. Prince Philip, the Royal Consort and the founder, along with World War II-era Nazi Prince Bernhard of the Netherlands, of the World Wildlife Fund (WWF), has advocated massive population reduction for decades. He has called for an 80% reduction in the human population.

Philip is the head of a worldwide movement promoting mass-extermination of the populations of Asia and Africa in particular. He counts among his disciples the German John Schellnhuber, who demands a reduction of world population to below 1 billion people, and John Holdren, President Obama's science advisor and an avowed radical Malthusian.

The option for such a war of genocide was put in place with the 2008 election of Obama as U.S. President. Obama was selected by the British because of his homicidal psychosis. Obama is, as LaRouche warned publicly on April 11, 2009, a Nero, who will kill and kill again, to feed his insatiable psychotic appetite for power. The cold-blooded execution of deposed Libyan dictator Muammar Qaddafi and members of his family, ordered from the White House, is typical of Obama's psychotic rage that has now fully surfaced. The recent extrajudicial assassinations of three American citizens by drone attacks in Yemen, including the murder of a 16-year-old boy, were another manifestation of Obama's Nero complex.

Obama, so long as he remains in office, will be a highly controlled asset of the British oligarchy, which is the actual author of the genocide, now in store for humanity, if the planned Iran attack is permitted to take place.

Well-placed U.S. military and intelligence officials have only recently begun to realize that their vocal and intense opposition to any military action against Iran has fallen on deaf ears at the White House. Both the Joint Chiefs of Staff (JCS) and the CIA have weighed in

Behind Obama's insane push for world war, is the imperial drive to reduce the world's population by billions of people, as expressed by Princes Philip of Britain (left) and the late-Bernhard of The Netherlands, co-founders of the genocidal World Wildlife Fund.

bubble. Russia is no longer in the state of collapse it was during the 1990s decade of British-led looting under Gorbachov and Yeltsin.

The prospects for collaboration among the leading Eurasian powers—Russia, China, and India—were on full display this week in St. Petersburg, Russia, where the meeting of the Shanghai Cooperation Organization (SCO) focused on greater economic integration of the Eurasian region, through high-speed transportation projects, joint energy development, other big regional infrastructure projects, and vastly expanded trade. The SCO meeting was attended by high-level delegations from Iran, India, Pakistan, and Afghanistan. Iran, India and Pakistan have formally applied for SCO membership; and Afghanistan has applied for formal observer status. The SCO represents the potential core of a Eurasia-Pacific Prosperity Zone, encompassing a sizeable majority of the world's population.

The potential for continued economic growth in this vast region is something that the British oligarchy simply cannot accept—particularly given the end-game disintegration of the trans-Atlantic economies. The British, therefore, are going for war in Eurasia. The war is not over political disputes, nuclear weapons, or raw materials control: In the long-standing British tradition of genocide, the war is aimed at killing off as many people as possible. The endgame is the vast reduction of the human race to a fraction of the current 7 billion people. In this war of genocide there are no winners or losers—just a vast body count.

forcefully against any military action against Iran—precisely because it would be a certain trigger for larger war. Even Secretary of Defense Leon Panetta was dispatched to Tel Aviv, soon after he transferred from the CIA to the Pentagon in July, to deliver an unambiguous warning to Israel against a preemptive strike on Iran’s nuclear enrichment facilities at Natanz and Qom. Panetta’s warnings, earlier delivered by former JCS chairman Adm. Mike Mullen, were echoed in a more recent flurry of anti-war statements from top Israeli military and intelligence veterans, including two former Mossad directors, Efraim Halevy and Meir Dagan.

There is no immediate nuclear weapons threat coming from Iran, and even if Iran were to be able to build a single crude nuclear weapon, they do not have a reliable delivery system, and won’t have it for years to come.

The absolute irrationality of the current race to war against Iran, is the clearest indicator that something far different is at stake.

From Regional War to World War

In an interview to be published next week in *EIR*, Gen. Joseph Hoar (USMC-ret.), the former Commander-in-Chief of the Central Command (CENTCOM), explains that any attack on Iran will immediately trigger asymmetric retaliation by the Islamic Republic against U.S. allies in the Persian Gulf. Among the immediate targets will be the oil fields, refineries, and desalination facilities in the Eastern Province of Saudi Arabia, and similar targets in the islands of the Persian Gulf, the U.A.E., Qatar, Oman, and Kuwait.

Whether the United States participates in the opening strikes against Iranian targets, or the initial attack comes exclusively from Israel, it is Iranian military doctrine to strike directly against the easy targets in the immediate vicinity—the six member states of the Gulf Cooperation Council (GCC). This means that the United States, under any circumstances, will be drawn into the conflict in the opening hours, due to long-standing treaty agreements with the GCC.

Russian Foreign Minister Sergei Lavrov, in statements issued this week from Moscow, warned, in the strongest possible language, against any aggression against Iran. Numerous international publications, from Azerbaijan to Iran to Thailand, have warned that an attack on Iran will rapidly draw Russia into the conflict, given Russian strategic interests there, and the

presence of Russian scientists at the Bushehr nuclear reactor.

An Israeli or other attack on Syria would also draw the Russians in. And China, with its dependence on energy and raw materials from the Persian Gulf region and adjacent parts of Africa, would see itself as a primary target of any such Gulf war, and would respond accordingly. Already, the Chinese have concluded that the NATO war in Libya was aimed, in significant measure, at China, which had vast investments in Libya, which have now been grabbed by Britain and France—with full U.S. backing.

A senior U.S. intelligence official, speaking on condition of anonymity, recently told *EIR* that “war-avoidance is the highest priority for the U.S. national security institutions.” It is the near-unanimous consensus of the entire U.S. intelligence community that any world war would guarantee the exchange of nuclear weapons, and that this would mean the extinction of mankind. War, therefore, “is impossible.”

For the British, these issues are now existential, due to the onrushing disintegration of the financial and monetary underpinnings of the British Imperial System. This oligarchy is committed to war, and so long as their marcher-lord puppets remain in power in Washington and Tel Aviv, they have the capacity to unleash this Armageddon.

There is a war-avoidance option. Obama must be removed from office, through Constitutional means that are readily available (see “Toward a Bill of Impeachment Of Barack Hussein Obama,” p. 37), or by the 25th Amendment.

In 1973, leading Republicans in the U.S. Senate, led by Sen. Howard Baker (R-Tenn.), realized that it was their responsibility to remove Richard Nixon from office. Baker led a delegation to see Nixon, and informed him that he would be impeached by an overwhelming bipartisan majority in the Senate—unless he resigned. There are credible reports that Vice President Gerald Ford was prepared to invoke the 25th Amendment, if Nixon refused to resign.

The circumstances surrounding the Nixon resignation were relatively benign compared to the threat of global genocide now confronting the United States and the world. The question on the table for Democrats is whether they possess the moral fitness to survive. If the answer is “yes,” they will move to bring down Obama now—before the Guns of November are unleashed and it is too late.

How Economic Collapse Can Lead to World War

EIR released a feature-length video, "Storm Over Asia," at a Washington press conference on Dec. 8, 1999. In the video, Lyndon LaRouche and associates gave a strategic evaluation of the Anglo-American financier oligarchy's assault on, especially, Russia, China, and India. The following are excerpts from LaRouche's discussion of the question of how wars are sparked by economic breakdown, and what kind of policy will ensure peace—questions that remain highly relevant today.

War in Central Asia

...The forces behind these attacks on Russia and on India are the same. They are a mercenary force which was first set into motion by policies adopted at a Trilateral Commission meeting in Kyoto in 1975: policies originally of Brzezinski and his number-two man there, Samuel P. Huntington; the policies which were continued by then-Trilateral Commission member—that is, back in 1975—George [H.W.] Bush, before he became Vice President.

These were policies which were continued by George Bush as Vice President. Under Bush, this became known as the "Iran-Contra" drug-financed operations of mercenaries deployed with private funding all over the world, recruited from Islamic and other countries, and targeting Russia's flank.

This mercenary force, created then, still exists. The primary responsibility for creating the force, was the government of the United Kingdom—most notably, most emphatically, the government of Margaret Thatcher—a policy which has been accelerated and continued in full madness by the present Prime Minister, Tony Blair of the United Kingdom.

This war, if continued, using mercenaries, can lead to nuclear general war. The major powers principally threatened today by this mercenary operation, are two of the world's largest nations: China and India; China on its western borders, India on its northern borders.

Iran is also threatened; but, more notably, Russia. If

these nations are pushed to the wall by a continuing escalation of a war which is modelled on the wars which the British ran against Russia, China, and so forth, during the Nineteenth Century and early Twentieth Century, this will lead to the point that Russia has to make the decision to accept the disintegration of Russia as a nation, or to resort to the means it has, to exact terrible penalties on those who are attacking it, going closer and closer to the source, the forces behind the mercenaries—which include, of course, Turkey, which is a prime NATO asset being used as a cover for much of this mercenary operation in the North Caucasus and in Central Asia.

This is our danger. The weapons the Russians have are no longer the large armies, the capabilities we thought of under the old Ogarkov Plan of the 1980s. Those vast armies are dissipated, weakened. Russia is ruined almost, by a vast economic destruction, caused by IMF policies, and related policies. But Russia still has an arsenal, an arsenal of advanced weapons, and laboratories which can match the weaponry—most advanced weaponry—being developed in the United States, Israel, Britain, and elsewhere.

If Russia is pushed to the wall, the likely thing is, it will fight back. It will use the weapons it has. It does not have the weapons to win a war, but it has the weapons sufficient to impose a powerful, deadly deterrent on the nations behind the mercenary forces which are presently attacking it. There lies the danger.

Unfortunately, most people in the United States are living under the delusion, that with the collapse of the Soviet Union, the combined military power of the United States and its British Commonwealth allies—including Australia, New Zealand, and so forth, countries that are really under the British Queen personally, as the United Kingdom is so great, that they can ignore the United Nations Security Council, and conduct wars on their own with impunity.

Most Americans tend to believe that, and believe they don't have to worry about foreign wars. They don't have to worry about terrible things happening in Africa or South America, or Eurasia generally. "It won't come here," just as many Americans said before Pearl Harbor about the war then ongoing in Europe.

In reality, it *can* come here. I'm not predicting that it *will*; I'm saying the likelihood—the danger—exists....

It's not immediate, not tomorrow, and not the day after tomorrow. But wars come on like that: You get to a point of no return, there's still no war. Then, some-



EIRNS/Storm Over Asia

The EIRNS video emphasized the threat of British-steered war against the countries shown here—a war which could quickly rise to the level of a thermonuclear confrontation.

where down the line, maybe a couple of years later, the war actually breaks out. . . .

As I shall indicate, the problems we face are deadly ones, but they're problems which can be solved.

War and Economic Crisis

Wars—world wars especially—tend to come on in a certain way. It's been that way during this century. It was that way with World War I; it was that way with World War II. World War I began with the assassination of U.S. President McKinley, which resulted in a fundamental change in policy under Presidents Teddy Roosevelt and Woodrow Wilson. Teddy Roosevelt and Woodrow Wilson were allies, in effect, of the British monarchy, in the British monarchy's plan for a war against Germany under Edward VII, a war which actually broke out in 1914.

The war was obvious; it was coming. It was clear from 1905 on. It was associated with a series of international financial and related economic crises. In the United States, for example, where we had the famous 1907 crisis, 1905-1907 crisis. The Russian-Japanese war of 1905. The Balkan Wars. They kept coming and coming. And then, suddenly, there was World War I.

And then there was World War II. World War II was essentially set into place when the former chief of the Bank of England, Montagu Norman, together with other British influences and with support from the

Morgan and Harriman banking interests in New York, put Hitler into power in Germany in January 1933.

Once Hitler was consolidated in power, with the death of Hindenburg in 1934, then the march toward World War II became inevitable. One of the conditions which made this connection, was the fact that the world had gone into a great post-Versailles worldwide depression, which broke out officially with the U.S. stock market collapse in 1929; which became consolidated with the 1931 collapse of the British pound sterling.

And under these conditions, processes unleashed led to war in 1939. It led to war involving the United States on Dec. 7, 1941.

Similar conditions exist now. The world has been, especially since a foolish decision by President Nixon in 1971, when he destroyed the existing world monetary system, and set into motion a new, so-called floating-exchange-rate monetary system—the present IMF system—the world has been sliding downhill overall.

Though many people are deceived by lying propaganda, to believe that there's prosperity in the United States, there is no prosperity in the United States, except for the upper 20% of income brackets. They have more money, more cash. The 80% of the population, does not. . . . [LaRouche also describes the economic crisis in Europe and Africa.]

These are the realities. It is in this condition, as this present financial system approaches collapse, that the danger of war begins to emerge. Now this—the current danger of war came to the surface beginning August of 1998. What happened?

Well, the previous November, October-November, there had been a major financial collapse which had been bailed out with hyperinflationary growth and asset values. That is, the central banks began printing money, in effect, and pumping money into financial markets—stock markets and other financial markets.

So that had led into a new situation by the Summer of 1998. The blowout occurred. It started with the Russian bond debt. In August of that year, at the same time that President Clinton was being distracted by being called to testify before the Special Prosecutor, Russia declared bankruptcy, state bankruptcy.

As a reaction to this effect, [Vice President] Al Gore and others, behind the back of the President, pushed through, fraudulently, a bombing attack on a pharmaceu-

tical plant in Sudan. I believe, now the President knows that was fraudulent; but nothing has been done effectively to correct it. That was the beginning....

You have a system which is intrinsically, systemically bankrupt. It can not be saved. The only thing that can be done, is action by governments to put the bankrupt financial system and the bankrupted monetary system, into government-supervised financial reorganization; in other words, to apply the thinking of a Franklin Roosevelt to the current emergency situation.

This creates a crisis, a crisis in which powerful financial interests are totally panic-stricken, are driven mad by the fact that the system in which their investments are located, is about to be liquidated; that the nation-state which they thought they were eliminating with globalization, is the only institution which can save nations from total destruction.

It is under these conditions that plans to move toward military adventures, even wars, even general wars, and that risk of nuclear war is pushed by madmen; some in the United States, some in the Congress who don't even know what they're doing, as well as in Britain and elsewhere. This is the situation....

A Community of Principle

All right. Now, what is wrong? What is the policy? What is the issue? How does this affect war?

Let's go back to 1823. After the defeat of Napoleon, and after the British puppet, the Duke of Wellington's puppet, the Bourbon Restoration, was restored in France, the British, together with Metternich, controlled all of Europe. The British and Metternich, the Holy Alliance, were the enemies of the United States, the declared enemies. The British always have two policies. Never try to find out what British policy is; they always have two, which seem directly opposite: They're for you, and they're against you. They're buttoning up your waistcoat, while they're putting a knife in your



President John Quincy Adams, when he was Secretary of State under President Monroe, laid out the concept of a community of sovereign nations in the Americas, rejecting alliance with Britain: "It would be more candid, as well as more dignified, to avow our principles explicitly to Russia and France than to come as a cock-boat in the wake of a British man-of-war."

back, neither of which is good for you, either cosmetically or otherwise.

So the British policy was: Yes, they would use the Holy Alliance as an ally in destroying the influence of the American Revolution—the influence the American Revolution had had on Europe. To eliminate American influence in Europe, which is what Metternich said repeatedly, what the British said repeatedly.

But then, the British—Jeremy Bentham, the head of the Foreign Office from 1782 on, and his Canning, the Foreign Minister—went to the United States, to a President who was *not* a fool, President James Monroe, and proposed that since the Holy Alliance powers, Metternich's group of Spain, Portugal, France, Austro-Hungary, were trying to grab off and recolonize South

and Central America, that *the British should make a treaty with the little United States, and the little United States should agree with the British to keep these filthy Continentals out of South and Central America.*

This was the proposed treaty by Canning with the United States. At that point, one of the protégés of Franklin, a former protégé, John Quincy Adams, was Secretary of State under Monroe; and Quincy Adams wrote a letter to his President, Monroe, in which he said: The United States must reject Canning's treaty. We have—the United States—no community of principle with the British monarchy. We can make no treaty alliance with any power with which we share no community of principle. We shall not degrade "the United States into becoming an American cockboat in the wake of a British man of war" in the Caribbean or South America.

And what he qualified as the alternative: We in the United States must keep our distance from this. We must state our policy clearly, and we must wait for such a time as we have *sufficient power* to get the British, as well as the Holy Alliance powers, out of Central and

South America, in which we can protect the aspirations of the emerging new republics of Central and South America. That is our policy.

Now, this policy, called a “community of principle” policy, had been, implicitly, the policy of the United States leadership during the period of the American Revolution, and had been the policy of the United States under all patriotic Presidents, such as Monroe, Abraham Lincoln, Garfield, Secretary of State Blaine, and a murdered President McKinley.

It had been the policy orientation revived by Franklin Roosevelt. It was a policy orientation revived, in part, by President John Kennedy.

Community of principle: What is the fundamental interest of the United States? What is our self-interest? What is our strategic self-interest? What has it been from the beginning? What is it today?

Our interest is to bring into being on this planet, a hegemonic community of perfectly sovereign nation-state republics, which share that commitment to defense of the general welfare, which is the cornerstone of our Federal Constitution; that these nations, which must each be perfectly sovereign—we want no empire, we want no hegemony, we want alliances of the sort which occur only between nation-states which agree that *the idea of a community of perfectly sovereign nation-states, is the fundamental interest of each and all.*

That was the direction of Roosevelt’s intended post-war policy, which Truman scrapped. But that was the policy. *That is my policy.*

What is the fundamental interest of the United States? Is it to find somebody we call an “enemy,” the way the British do, and go out and say “Let’s prepare for war against this chosen, designated enemy”? Should we go out and pick out official enemies of the United States, and stage wars with them, simply to have somebody to shoot at, or someone to hate?

Is that our policy? Or rather, is it not our interest, that today, as before, that the nations of South and Central America in particular, be perfectly, absolutely sovereign nation-states, not subject to any foreign supranational or other foreign authority, including the IMF meddling in their internal affairs. They must be sovereign, as we desired to be sovereign, in fighting for our independence, and establishing our Constitution.

It is our interest to protect and to promote that sov-



EIRNS/Storm Over Asia

In 1999, when the video was made, Russia had recently declared state bankruptcy and was being targeted with separatist destabilization and terrorism.

ereignty among these states, which Roosevelt called his “Good Neighbor Policy.” That’s our interest.

It is our policy to establish the same kind of relationship with nations in Africa. They should develop. They should benefit. We should cooperate with them. We should protect and defend their sovereignty. We should free them from the legacies of former colonial and imperial powers, whether it’s financial powers, or as military occupation.

We should aspire to the same in Eurasia, both with our friends in Western Europe, and also throughout the rest of Eurasia. What we should aspire to, is that Russia, China, India, Pakistan, Iran, Malaysia, Indonesia, Burma—or Myanmar today, Cambodia, Vietnam, Japan, should all have the right to have perfectly sovereign, independently sovereign nation-state republics, based on the principle of the general welfare; that is, the welfare of all of the people, not only for present generations, but future generations.

To protect their rights, in the way Europe understood the rights of each man and woman made in the image of the Creator of this Universe: *that human beings are special. Every human being is special. And every human being’s right to be special, in that sense, must be protected, and nurtured, and fostered, by an agency which is more powerful than any individual, an agency which has the capability of defending that interest. That should be our policy....*

Our fundamental interest as a republic, is to bring forth on this planet, the hegemony of a community of sovereign nation-states, each of which has in common its commitment to the general welfare of its total population, and their posterity.

Otherwise, it is not our intent to meddle in the internal affairs of these countries. It is sufficient for us, that they are sincerely and seriously dedicated to promote the general welfare, as we understand the notion of the general welfare; and that they understand that we as nations must stand together, against those forces of oligarchy, such as the British financial oligarchy, which are our natural enemies....

An Ecumenical Approach

The approach we must take, is an ecumenical approach. We must understand that all human beings, from whatever their backgrounds are, have the same potential for goodness. Our job is to bring that forth. To encourage people to be as good as they are born to be; to be redeemed, to redeem the nations, and to build a form of community of nation-states on this planet, which shares that commitment, which understand one

another in terms of these common principles, as Philo of Alexandria attempted to express this. As the Christians, especially John and Paul, emphasized this; as a great theologian, Christian theologians like Cardinal Nicholas of Cusa expressed this in *De Pace Fidei*; as we have always understood it, the best of us in the United States, and as Mencius and Confucius before him and others have also understood this.

We must bring this forth. That should be the foreign policy of the United States. Our foreign policy and our strategic policy should not be “Who do we kill tomorrow?” “Who is our enemy that we must fight?” *War is not the natural condition of mankind*. It’s an *errant condition of mankind*, produced by defective cultures, especially by the kind of oligarchical culture which treats some people as animals....

The common purpose is to develop man, and to build a community of principle among sovereign nation-states, which will attack these problems as collaborators. In that work, typified by our need to accelerate our exploration of space, we as a nation and we as nations, must adopt a sense of mission. We have to explore this universe. Do you know some of the terrible things that have happened to this planet in the past thousands of years? Do you know what happened when the glaciers went into the fast phase of melt? Do you know what happened to this planet about 12,000 years ago, when the glaciers were at their peak rate of melting? Did you know that whole civilizations were wiped out, as the levels of the seas rose by 300 to 400 feet, to today’s level, above which they had been earlier?

Do you know the terrible things meteorites, and so forth, have brought upon this planet? Do you know how vulnerable we are on this planet Earth, because we have not yet been able to reach out and control some of the forces in the Solar System and beyond, which might imperil the very existence of humanity in times to come?

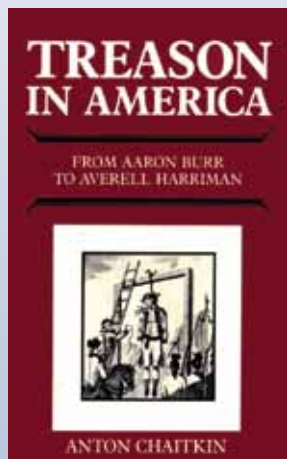
We have to get out into space. We have to understand the principles which operate there. We have to learn to control our environment, the environment of the Solar System, as well as the environment of Planet Earth.

So therefore, in fighting against poverty, in fighting against war, in fighting against the threat to destruction of humanity in the future, we must adopt this sense of mission, and national mission, in a larger sense: the same sense of mission that President Kennedy tried to provoke with his proposal—highly successful, remember—for a manned Moon landing within the decade. It worked.

Treason in America

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Arms Buildup in the Gulf: Stop the Third World War!

by Helga Zepp-LaRouche

Nov. 5—World peace is in the greatest danger. The G20 heads of state meeting yesterday in Cannes, France, proved themselves once again to be utterly incapable of finding a solution to the escalating global financial crisis; the euro experiment has obviously failed; and now, not only Greece, but also Italy, have been placed under a protectorate, thereby reducing the idea of Europe *ad absurdum*. Meanwhile there has been a gigantic military buildup in the Middle East and the Persian Gulf region. This is the highest-level alert: A military strike against Iran, now fully in preparation, would inevitably lead to a Third World War, in which the use of nuclear weapons would destroy human civilization for a hundred years or more.

The financial oligarchy of the British Empire—i.e., the monetarist system of globalization—is apparently determined to respond to the impending collapse of the trans-Atlantic banking system with a war against Iran and Syria. The perverse logic behind such an undertaking is the assumption that, for the Empire, it were better to maintain control over a destroyed world after a war, than to watch as the Atlantic region collapses, while the large Asian nations, with their high growth rates, develop and assert themselves, becoming the world's leading economic powers.

Iran in the Crosshairs

The disproportionately high concentration of American Armed Forces in the Gulf, the Indian Ocean, and

the eastern Mediterranean; the deployment of British naval forces in the region “to support a U.S.-led attack,” as the British newspaper the *Guardian* reported; and the leaking of the intention of Israeli Prime Minister Benjamin Netanyahu and Defense Minister Ehud Barak to carry out a military strike against Iran, can only lead to one conclusion: It is not about the alleged production of nuclear weapons by Iran—an intention that has been denied once again in the official assessment of the U.S. National Intelligence Council—but about a buildup for the potential Third World War. Otherwise, Iran has the right to the peaceful use of nuclear energy, and notable Israeli military experts have in the past repeatedly stressed that even Iranian nuclear weapons—which, as already mentioned, neither exist now, nor will they exist in the near future—pose no existential threat to Israel, in the face of Israel's sizable nuclear arsenal.

After recent hectic consultations among the United States, Great Britain, and Israel—Tony Blair was in the U.S. meeting with President Obama, Defense Minister Barak was in London, the British chief of staff was in Israel—an open revolt broke out in Israel against Netanyahu's war plan. The Israeli press reported that the current head of the Israeli armed forces, as well as the heads of the Mossad, the Shin Bet, and military intelligence, the former heads of these services, as well as Tzipi Livni, the leader of the Kadima party, all have vehemently condemned the planned war on Iran, arguing that Iran poses no existential threat to Israel, but, as



UN Photo/Eskinder Debebe

Russian Foreign Minister Sergei Lavrov warned on Nov. 1 that Russia does not support the approach of isolating Syria. "If something goes wrong in Syria, many countries of the region will feel a negative impact. We can't support isolation because of the lesson we drew from Libya." Here he is shown at the UN General Assembly in September 2011.

former Mossad chief Efraim Halevy said, such a war would destroy the entire region for a hundred years.

And not only that. The Iranian government has already responded that an attack on Iran—which is, according to well-informed sources, not only about the nuclear plants, but also about the infrastructure of the Revolutionary Guards and other assets of the political leadership—would have “apocalyptic consequences.” Leading experts on the Middle East agree that a strike against Iran would immediately lead to a Third World War. Retaliatory strikes on American, British, and Israeli positions in the region, such as the roughly 100,000 U.S. soldiers in Afghanistan, the 30,000 U.S. soldiers in Iraq, and the 27,000 U.S. troops in the Gulf states, as well as NATO, British, and American bases, would drive the escalation.

A new war between Israel and Lebanon would result. Given the presence of three nuclear-powered U.S. aircraft carriers in the Persian Gulf and the Eastern Mediterranean; a substantial number of accompanying frigates and destroyers with the latest missile-defense systems; the fact that Israel has just tested a Jericho missile that is capable of transporting nuclear warheads, and whose range includes the territory of Iran; plus Israeli Air Force maneuvers in Sardinia, Italy (!), which included the exercise of F-16 fighter planes for use against distant targets and mid-air refueling, it is

preprogrammed that nuclear weapons will be used as soon as this war begins. Russian official statements have already made it clear that any military actions against Syria are also unacceptable. The fuse is burning to the Third World War.

During the G20 summit in Cannes, President Obama used the occasion of the IAEA’s anticipated Nov. 7 report on the state of Iran’s nuclear program, to point out the alleged Iranian threat, which the U.S. National Intelligence Council, the top authority over all the U.S. intelligence agencies, stressed in its official assessment does not exist. It is to be feared, therefore, that agreements in this direction were reached on the sidelines of the summit by the same coalition partners that were already responsible for the war against Libya and Qaddafi’s murder.

It is intolerable that the European leaders have not distanced themselves from the Anglo-American-Israeli war preparations. Equally significant is that the German media have not reported a single word in their coverage of the summit, on the simultaneous preparations for war that are threatening world peace.

As informed sources say, the main reason that Qaddafi was not brought before a court, but rather was murdered, was not the fear of statements he might make about the world leaders who, until recently, had courted him, but rather that a trial would have been too slow, and the drive for war against Syria and Iran would have been blocked.

Incompetence at the G20 Summit

The outcome of the G20 summit demonstrated, moreover, how absolutely incompetent this combination of heads of state has proven to be once again, at finding a solution to the systemic crisis of the global financial system. Vague formulations about “obligations,” planned “structural reforms,” and the strengthening of the IMF’s monitoring mechanisms, promises of better regulation of the derivatives market and the shadow banks, demonstrate only that the G20 has absolutely no intention of doing anything fundamental to change the hopelessly bankrupt system, which is based on high-risk speculation. The European Central Bank’s quarter-percent interest-rate cut, under its new chief Mario Draghi, and the Fed’s discussion of a “quantitative easing 3,” show that they want to maintain the hyperinflationary policy in the trans-Atlantic region.

Instead of admitting that the entire concept of the euro was doomed to fail from the start, the drama around Greek Prime Minister George Papandreou

played out—whether there would be a referendum or not—a farce in which the Greek people are the ones who suffer. The true character of the EU oligarchic dictatorship was revealed by the deployment of a recent EU Commission visit to Rome, to degrade Italy, too, to the status of a protectorate. When the protagonists of this dictatorship target the existential interests of oppressed peoples, the idea of a supranational Europe is obviously ruined for everyone. And the lie that this kind of Europe serves unity and peace has proven to be just that, a lie, if the Greeks and Italians start to hate the Germans, and the ugliest chapters in European history are brought into the current discussion.

Change the System

To prevent a plunge into the Third World War and a dark age for the next hundred years, we need a complete policy change. So-called “preventive wars” are wars of aggression; those promoting them must be brought before a Nuremberg Tribunal. We need a real anti-war movement, which makes it clear that the population does not support the war plans against Syria, Iran, and ultimately, Russia and China.

But the existential threat to human civilization can only then be overcome if the root cause of the war dynamic is corrected: the systemic breakdown crisis of the global financial system. We will only escape this threat when the casino economy is ended, the system that rewards the speculators and passes on the losses to the population, making more and richer billionaires and millionaires, while the very existence of more and more billions of people is threatened.

This means the immediate introduction of a global two-tier banking system in the tradition of Franklin D. Roosevelt’s Glass-Steagall standard, as the first, essential step. Then we need a credit system that will provide credit lines for a comprehensive economic development program for Greece, Southern Italy, Spain, and Portugal, as well as Africa, and all developing countries.

This current threat could destroy us. But we can also use it to turn this crisis into an opportunity, and finally create conditions on this planet that will allow every individual to have the chance for a decent life.

This statement was issued in Germany as a leaflet and has been translated from German.

LPAC-TV Weekly Report



Each Wednesday afternoon, Lyndon LaRouche sits down with LPAC-TV Weekly Report host John Hoefle and two guests from the “Basement” scientific team and/or the LaRouchePAC editorial staff, for an in-depth discussion of the most important issues of the week, be they political, economic, strategic, or scientific.

www.larouchepac.com

Russian Conference Hears LaRouche, Calls for Global Glass-Steagall

by Rachel Douglas

Nov. 8—Participants in the International Conference on Fundamental Problems of Sustained Development in the System of Nature-Society-Man, which took place Oct. 24-25 in Russia, unanimously endorsed Lyndon LaRouche's calls for global application of the Glass-Steagall principle and a fixed-exchange-rate financial system, and the launch of infrastructure and industrial development projects for the next 50 years. Held at the Dubna International University of Nature, Society, and Man, the event was the second annual session of Dubna's International Scientific School—"Project Management of Sustained Innovation-Based Development."

A video presentation titled "Principles of a Credit System for Economic Recovery and Transformation of the Earth and the Cosmos," by Lyndon LaRouche, and Sky Shields of the LaRouchePAC Basement team, was the conference keynote. The project's initiator, Dubna University Prof. Boris Bolshakov, was a collaborator of the late Pobisk G. Kuznetsov, a visionary scientist and organizer of industry, who hosted LaRouche on his visit to Russia in 1994.¹

LaRouche greeted the gathering by discussing the tremendous potential of Russian-Chinese-U.S. cooperation in leading Pacific Basin-centered development of the planet, as the way out of the Dark Age. He invoked the memory of his intellectually exciting discussions with Kuznetsov, saying that what the Russian scientist had had on his agenda were the kinds of questions that



EIRNS/Rachel Douglas

LaRouche (right), with his friend Pobisk Kuznetsov, in Moscow, April 1994.

"must be brought forward and discussed, because we are entering a new period, a new period of galactic history, as well as just the history of Earth. And the way to do it is to go back to our souls, which is our commitment to science in those times when Pobisk was still alive, and to take up the issues of today, from that starting point" (see below for a transcript).

In attendance were 120 representatives of scientific institutions in Russia, Kazakstan, Kyrgyzstan, and Ukraine, including a dozen universities throughout Russia: from the St. Petersburg State Polytechnical University in the west, to Arkhangelsk's Northern Arctic Federal University, to the Far East State University in the Pacific Ocean port city of Vladivostok. Greetings were received from the deputy chairman of

1. "A Modern-Day Leonardo Reached Out to LaRouche," *EIR*, Dec. 28, 2001.

Dubna Conference Endorses Global Glass-Steagall

The International Conference on Fundamental Problems of Sustained Development in the System of Nature-Society-Man, held Oct. 24-25 at Dubna University in Russia, included the following endorsement of a global Glass-Steagall principle, as Point 4 of the conference resolution.

In view of the persistent threat of disintegration of the existing world financial system, caused by the ballooning of speculative capital, which has no real backing and has reached astronomical dimensions (USD 1.5 quadrillion, by some estimates) as of 2011, as well as the fact that the measures proposed by countries party to the global crisis are insufficient and have not reduced the size of the “soap bubble,” which is fueling negative trends within the world economy and aggravating the global crisis, additional measures are urgently required.

In this connection the participants in the conference unanimously support the call by Lyndon LaRouche and Helga Zepp-LaRouche for curing the world financial system through adoption of the necessary, top-priority measures, including:

- a restoration of Roosevelt’s Glass-Steagall law (dated June 13, 1933), which forbade banks from using citizens’ deposits for their purely trading operations, as well as defining investment in the real economy and in future infrastructure projects, within the global economy;
- adoption of a system of fixed exchange rates by participating countries;
- government support for industry-banks, which invest in projects in the real economy, including the innovation economy, based on a system of fixed exchange rates;
- agreement on and implementation of long-term (around 50 years) government contracts with the national central bank and a system of industry-banks, in order to create conditions for a transition to the sustained innovation-based development of countries taking part in the global process of preserving the development of planetary life on Earth.

the Federation Council (the upper house of Russia’s Federal Assembly) A.P. Torshin, Academician Yu.S. Vasilyev, who heads the St. Petersburg State Polytechnical University, and the vice president of the International Engineering Academy, A.A. Speransky.

It was announced during the conference that the Dubna International Scientific School—“Project Management of Sustained Innovation-Based Development” has been awarded the Order of the Glory of Russia, a prestigious recognition of outstanding public service in the national interest, as determined by the official Russian Heraldic Chamber.

Principles of a Credit System

The 15-minute video briefing by Shields, following immediately upon LaRouche’s words of greeting, was prepared by an LPAC Basement team. It discussed the urgent need to implement the Glass-Steagall principle, protecting normal lending for useful activity against the predations of monetary speculation, to bring about eco-

nomic recovery in every country. The video message illustrated the unique suitability of a non-monetarist credit system for enabling the intentional development of the physical economy, tracing the emergence of this principle through the history of evolution on Earth, up to the powers of today’s potential “reconnection” of mankind and our planet through the construction of the North American Water and Power Alliance (NAWAPA) and the Eurasian Land-Bridge, connected across the Bering Strait.

The video includes new topological animations of this transformation of the Earth. Narrated in English with Russian subtitles, it is available on YouTube <http://www.youtube.com/watch?v=OJpYN0i9fls>.

The LaRouche-Shields address was received with enthusiasm by the conference participants from Russia and the neighboring countries, notably Kazakhstan. The ideas of Kuznetsov and those of LaRouche are especially popular in leading circles of Kazakhstan, thanks inclusively to the circulation there of studies

published by Dubna University. The University itself incorporates LaRouche's Physical Economy in its curriculum.

Other speakers at the event invoked LaRouche's concepts, which had been introduced at the opening session through the showing of the video.

The participants' unanimous endorsement of the Glass-Steagall principle, which was incorporated into the final resolution of the conference (see box), came after study of Helga Zepp-LaRouche's Aug. 12 document, "Break-down Crisis Out of Control: Urgent Appeal for a Global Glass-Steagall System,"² which was circulated in Russian translation during the event.

LaRouche's videotaped workshop presentation from last year's inaugural meeting of the Dubna school was also published as a video titled "Infrastructure Platforms of Economic Development." It has been streamed or downloaded by 6,000 Russian viewers over the past year, making an important contribution to the debate of these crucial ideas within Russia. The October 2011 video likewise has drawn over a thousand viewers in its first ten days online. One of them posted a representative comment, exclaiming that Shields "is close to the Russian Cosmists in his thinking"—the term refers to a school of scientific thought including the Russian-Ukrainian biogeochemist Vladimir Vernadsky and Konstantin Tsiolkovsky, one of the fathers of space flight—and expressing amazement that "somebody is working to popularize the ideas of Vernadsky in the United States!"

'Great Danger, But Also, Reason for Optimism'

Here is Shields' introduction of LaRouche, followed by LaRouche's remarks.

Sky Shields: Hello to Professor Bolshakov and the other conference attendees. Thank you for allowing us to make this keynote. I would like to introduce to everyone there, to those who aren't familiar, Mr. Lyndon LaRouche, who will be giving an introduction to the presentation from his Basement Project, which is addressed to this conference.



LPAC

Sky Shields and Lyndon LaRouche presented a video address, "Principles of a Credit System for Economic Recovery and Transformation of the Earth and the Cosmos," to the Dubna University Conference, Oct. 24.

Lyndon LaRouche: We have now come into the most interesting part of this part of history, I believe. We're at the point where there's a great movement in Russia, also in China, and we would hope, in the United States as well: that these three nations will come together around a devotion to a great Pacific revolution, in terms of the development of the Pacific Basin of the world, as the new driving point for the future of humanity. And in this connection, I'm very happy to speak in memory of my old friend Pobisk [Kuznetsov] and his associates, with whom we had, during his lifetime, a great deal of fun together, under the most difficult circumstances of the aftermath of the Soviet Union during that time.

We came close to winning something. We didn't win. We had hopes in President Clinton of the United States, who was interested in the cause which I represented, in part, for Russia's recovery; we were disappointed in that hope, for various reasons, including the attacks on President Clinton, from within his own party, and as well as by the Republicans.

But the time has come to review some of those intentions, which we had in the immediate post-Soviet period of Russia. We now have come to a time, where we see an evolution, past the time of Pobisk's passing from life, we see now an emerging tendency, of a new form, toward a convergence of Russia, on the Pacific development, together with China and other countries. We see a natural inclination, a historic inclination of the United States, again, to renew its relationship to Russia, which was primarily trans-Atlantic in

2. *EIR*, Aug. 19, 2011.

my time, until recently, and has now become trans-Pacific, as Russia has moved more and more toward renewing its Arctic and Pacific development; this, in cooperation with China, in a way which would have been thought impossible some years back.

We're now looking at the same old world, and many of the same old questions and issues of science and society as then, but now we look at them with great fear, because there's great danger to civilization now, from all sides. There is also great reason for optimism, because there has been, despite everything else, a resurgence of a scientific motivation which can lead to greatness.

For example, we've had, for a long time in the United States, since the time when Kennedy was still President, a commitment to what was called NAWAPA, the development of a great water system, covering the entire Western part of North America: the United States, from Alaska, down Canada, down into the United States, and down into northern Mexico.

Since that time, technology has progressed in one sense, in knowledge, though not much in practice. We've gone into a dark age, relatively, on the planet as

a whole. Our efforts are now in danger.

But I think by our assembling now, on this occasion, to which I've been invited, that we may look at some of the things that our old friend Pobisk had on his agenda, which are unresolved matters left over today, and look at those issues from the standpoint of the great challenge, which, implicitly, the United States has potentially, as a partner of Russia and China today.

We should look at those new questions, concerning space and space technology; concerning the threat to life on Earth from within the galaxy. These kinds of questions must be brought forward and discussed, because we are entering a new period, a new period of galactic history, as well as just the history of Earth.

And the way to do it is to go back to our souls, which is our commitment to science in those times when Pobisk was still alive, and to take up the issues of today, from that starting point. And I think that is what is going to happen here, at this convention, and I look forward to seeing what is produced.

Thank you.

Seven Necessary Steps for Global Economic Recovery

A 40-minute feature video presenting Lyndon LaRouche's Emergency Program to End the Global Depression

<http://larouchepac.com/node/19282>



1. FORCED RESIGNATION OF BARACK OBAMA & IMMEDIATE PASSAGE OF GLASS-STEAGALL



3. FOR LACK OF REAL ASSETS REMAINING, ISSUE HAMILTONIAN CREDIT FOR NATIONAL PROJECTS



2. DIVISION OF FICTITIOUS FROM REAL LIABILITIES ACCORDING TO GLASS-STEAGALL STANDARD



4. THE ONLY BAILOUTS WILL BE HONEST BAILOUTS FOR THE BANKRUPT CITIES AND THE STATES



6. ENGAGE LATENT LABOR FORCE FOR SUBSIDIARY PROJECTS SUCH AS TRANSPORT AND NUCLEAR



7. EXTEND COOPERATION INTERNATIONALLY TO MEXICO, CANADA, RUSSIA, CHINA AND OTHERS

EIR Puts Glass-Steagall, War Threat on Agenda

by Michelle Rasmussen

Nov. 4—Ministers and parliamentarians gathered in Copenhagen, Denmark Oct. 31-Nov. 3, to discuss cooperation among the countries of the Nordic Council. However, as the Greek crisis and the increasing threat of Southwest Asia-centered war, shifted the strategic backdrop, *EIR* brought these issues to the fore, in several press conference interventions and interviews with government officials.

Finland, whose destiny is closely tied to its proximity to Russia, responded most clearly to the danger that conflicts in the Middle East could lead to general war, and Iceland, trying to recover from a speculative bank blowout, responded positively to the Glass-Steagall solution.

With eight prime ministers—those of Finland, Denmark, Norway, Sweden, Iceland, Latvia, Estonia, and Lithuania—seated on the dais, *EIR*'s correspondent stated:¹

“Our editor, the American economist Lyndon LaRouche, emphasized after the recent European summit, that it in no way solved the combination of the unpayable debt and the speculative debt.

“And, at the same time, after the killing of Qaddafi, and calls for Syria to be the next venue for intervention, there have been increased tensions with Russia, which could lead to a larger conflict, as previously in the Balkans....

“There has been growing support for reenacting Franklin Roosevelt’s Glass-Steagall law, which would separate the banks, and in which nations would not save the speculative debt. And I want to know if you would consider such a Glass-Steagall separation as the first step towards a solution; this could also lead to cooperation with Russia, to build up the real, productive economy.”

Finland’s Prime Minister Jyrki Katainen, the

spokesman for the group, responded first (slightly edited for clarity):

“When it comes to political cooperation, especially questions like Syria and the Middle East in general, we need Russia there. And there is no other way than to try to find political compromises and common political will, when talking about big political issues, for instance, the issues we are witnessing in Northern Africa at the moment....

“Russia is still an economy which is growing, and it gives economic potential, especially for Northern Europe. Everybody knows that Russia, in order to get a sustainable economy and economic growth, needs to diversify its economic base. Russia is a very natural resource-[dependent] economy at the moment, and they themselves have said that they have to diversify. They need direct investments and cooperation, especially from the European countries.”

Latvian Prime Minister Valdis Dombrovskis then contended that Glass-Steagall would not solve the sovereign debt problems related to, for example, Greek bonds, and that the measures agreed to at the European summit would make the situation just about manageable.

Economic Aftershock

That was the day before Greek Prime Minister Papandreou called for a referendum on the EU bailout package, causing aftershocks at the Nordic Council session. Afterwards, *EIR* interviewed Icelandic Finance Minister Steingrímur J. Sigfússon.² While, as of this writing, the Greek referendum has been taken off the table, reflections from Iceland, whose banking crisis began in 2008, and whose population has twice voted “no” to the Icesave bailout, are instructive. Excerpts follow:

EIR: “LaRouche, has stressed that there was no real solution come to at the European summit meeting, because the debt is still unpayable, and the populations will not go along with the level of austerity they are speaking about. The Greeks have just announced a referendum. And there was really nothing put into place to have funds for positive economic development.”

EIR then asked if they had, or would, discuss a Franklin Roosevelt solution, based on Glass-Steagall, and massive credit to build up the real production economy.

1. See the video at <http://www.youtu.be/Y3FSIeBdeNA>

2. <http://www.youtu.be/Z7LIwvILU>

Steingrímur: “Well, we have not discussed that in that sense at our meeting, but we decided to lay down a working group to go over our policies regarding the banking sector, and on a broad basis.... The Nordic countries are interested in having their voice in how this financial sector will be reshaped....



OECD/Hervé Cortinat
*Icelandic Finance Minister
Steingrímur Sigfússon*

“Obviously, this has to be dealt with in steps. Firstly, you have to avoid a total breakdown of the system, so you could call the first measures sort of rescue measures.

“But I would personally agree that you then have to have a strategy for how you go further and build up the economies and create growth, and as yet, you don’t sort of see that in the packages being designed....

“If [Greece sends] the austerity measures to a referendum... one can question how likely is it that the population will accept to shoulder an increased burden.”

EIR: As in Iceland.

Steingrímur: “Yes, well the experience from Iceland is quite clear. If people believe that they have a choice just to vote it out, they are very likely to do so; but I think generally the voters understand that these things need to be tackled.” The measures “cannot be too drastic.... I think it’s difficult to put a straightforward austerity package to the vote, if it is not followed by a long-term strategy of how you get out of the crisis, and how you build the economy up, and how you improve the standard of living again. So this is not an easy phenomenon to deal with, also in a democratic sense.”

EIR then stated that we are calling for a “Roosevelt shift,” away from deregulation, derivatives, and the private interests of the financial markets, back to the general welfare of nations, with Glass-Steagall and state credit for the productive economy.

Steingrímur: “I welcome the discussion that is taking place now about Glass-Steagall, or some kind of security for ordinary customer banking, and separating that from the more risk-taking investment.... Personally, I am very interested in that discussion, and would like it to materialize.”

“I would suggest that you have a closer look at the

Icelandic program. It was, in many ways, unorthodox, in the way we architected measures on both the revenue and expenditure side. We saved the welfare services from cuts, as much as we could. On the revenue side, we increased taxes on the high income, the wealthy, the capital-gainers. So, you should make a clear distinction between the different approaches that countries take....”

The minister said that it is problematic for highly indebted nations to borrow more money to stimulate the economy. *EIR* explained that what we are proposing is Hamiltonian national credit creation for future-oriented projects, not financial market loans.

Steingrímur: “Yes, I mean, measures like that would come in very handy, when you have this big dilemma of high debt, but at the same time need to facilitate growth in infrastructure, investing in education, environmental green innovation, and so forth. How can you do that if you are highly indebted, and at times when the financial markets are very unstable, and the cost of borrowing likely to be rising, and so forth? Then I, for one, would not exclude unusual measures like that. But we have not been into that as yet, to discuss anything like that.”

The War Danger

The next day, *EIR* raised the threat of war in the wake of the Qaddafi murder, at the press conference of the five Nordic foreign ministers. Their spokesman, Finland’s Foreign Minister Erkki Tuomioja,³ answered in a general manner:

“There are, in reality, way too many possible scenarios for conflicts in the Middle East. Today, we concentrated on the situation in the Palestinian areas, and the situation between Israel and Palestine. There is also the Iran question, and there is also a very bad situation in Syria. I believe that we all naturally have the same standpoint, that we will do everything possible—that means for us, first and foremost, through the EU—to prevent these potential conflicts from actually leading to war, because war is never an acceptable and productive solution for today’s problems.”

EIR correspondent directly discussed the crucial issues of war and financial collapse with the eight ministers, as well as some of the parliamentarians, including guests from the Russian Duma, and Balkan nations.

3. <http://www.youtu.be/pn-oPUrJEF8>

Toward a Bill of Impeachment Of Barack Hussein Obama

by Nancy Spannaus

Nov. 7—Barack Hussein Obama, currently holding the office of President of the United States, represents a clear and present danger to the People of the United States. His specific violations of our Constitution, in addition to his actions in furtherance of conspiracies to commit further heinous crimes, make him eligible for immediate impeachment, and removal from office.

In fact, if these measures are not pursued immediately, the damage to the United States and its citizens, and humanity as a whole, could be irreparable—including through the provocation of nuclear war.

Those who argue that this President's misconduct has not risen to the Constitutional level of "treason, bribery, or other high crimes and misdemeanors," are either delusional, or incorrigibly corrupt. Obama's offenses have already gone far beyond those of President Richard M. Nixon, whose bills of impeachment recounted how he had "acted in a manner contrary to his trust as President and subversive of constitutional government, to the great prejudice of the cause of law and justice and to the manifest injury of the people of the United States."

Prestigious lawyers, including Bruce Fein and Prof. Francis Boyle, have already stepped forward to offer their services in drafting bills of impeachment against Obama. It is a matter of utmost urgency that leading political circles, as well as the U.S. population, take the necessary action to get Congress to act.

We hereby provide a draft outline for a formal Bill of Impeachment.¹

Count I

Violation of the Constitutional provision that Congress has the unique responsibility to declare war, as well as of the 1973 War Powers Resolution

Article I, Section 8 of the U.S. Constitution grants to the Congress the power "to declare war, grant letters of marque and reprisal, and make rules concerning captures on land and water." Reports on the discussions in the Constitutional Convention reveal that the Founders were particularly concerned that the power to declare war not be lodged exclusively in the Executive, as it was in British monarchy.

Yet, in violation of this Article, and of the procedure set up under the War Powers Resolution of 1973 for notification of the Congress, and obtaining its subsequent approval, President Obama went ahead with a war against the nation of Libya in March of 2011. While Obama notified the Congress of the action, no vote of approval was ever sought, or obtained.

Nor did the President's commitment of military forces in Libya ever conform to conditions set forth in

1. For more elaboration on the conspiracy counts, see Nancy Spannaus, "The Case for Impeachment of President Barack Obama," *EIR*, Jan. 15, 2010 (http://www.larouche.org/public/eiw/public/2010/2010_1-9/2010-02/pdf/27-31_3702.pdf).



White House Photo/Pete Souza

“Those who argue that this President’s misconduct has not risen to the Constitutional level of ‘treason, bribery, or other high crimes and misdemeanors,’ are either delusional, or incorrigibly corrupt. Obama’s offenses have already gone far beyond those of President Richard M. Nixon....”

the War Powers Resolution, including self-defense. In fact, the whole operation has been ultimately shown to have been a preemptive aggressive war in pursuit of regime change, which was explicitly condemned as a war crime by the post-World War II Nuremberg Tribunal.

For these High Crimes and Misdemeanors, and before he applies this “precedent” again, Barack Obama must be impeached.

Count II

Violation of the Fifth Amendment to the U.S. Constitution

The Fifth Amendment to the U.S. Constitution declares that no person shall “be deprived of life, liberty, or property, without due process of law.”

President Obama has flagrantly violated this provision, with the avowed assassination of at least three American citizens, Anwar al-Awlaki, his 16-year-old son Abdul-Rahman, and Samir Khan, without benefit of due process of law. Indeed, the death warrants against these individuals were effectively signed in secret, in a committee which is overseen directly by the President.

It is highly likely that other American citizens have also been summarily executed in like fashion, through the President-sanctioned program of deploying drones against individuals alleged to be “terrorists,” who were hit while in the company of other unknown persons. At least one report has been leaked about U.S. soldiers in

Afghanistan having been killed in such a way.

For these High Crimes and Misdemeanors, and before more such extrajudicial executions take place, Barack Obama must be impeached.

Count III

Violation of the Fourth Amendment to the U.S. Constitution

The Fourth Amendment declares that the “right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated, and no warrants shall issue, but upon probable cause, supported by oath or affirmation, and particularly describing the place to be searched, and the persons or things to be seized.”

President Obama has violated this provision of the Constitution by continuing, and even expanding, the Bush/Cheney Administration’s program of warrantless interception by the National Security Agency of the electronic communications of millions of Americans

For this High Crime and Misdemeanor, Barack Obama should be impeached.

Count IV

Conspiracy to commit Crimes Against Humanity

In 1946, the United States subscribed to the definition of Crimes Against Humanity utilized by the Nuremberg Military Tribunal, which read as follows:

“...murder, extermination, enslavement, deportation, and other inhumane acts committed against any civilian population ... whether or not in violation of the domestic law of the country where perpetrated.” This standard was applied to medical care, with the inclusion of “systematic under-nutrition” and “inadequate provision of surgical and medical services.”

President Obama, through his promotion of a health-care “reform” which explicitly calls for cutting the cost of medical care, by either denying services, pricing them in such a way as to reduce their usage, or penalizing “overutilization,” has conspired to carry out mass murder through the denial of medical care to those considered to have “lives not worthy to be lived.” The standard of “know or should have known,” also coined in

the trials of the Nuremberg Tribunal, applies strictly in this case.

In addition to denying care, through non-payment, for certain categories of the population—especially the elderly and poor who are enrolled in Medicare and Medicaid—Obamacare is reducing reimbursements to medical and surgical facilities, as well as physicians, with the predictable result of denying medical services to a population in need.

For his action to commit these Crimes against Humanity, Barack Obama must be impeached.

Count V

Conspiracy to violate the separation of powers provision of the U.S. Constitution

Title I, Section 7 of the Constitution mandates that “all bills for raising revenue shall originate in the House of Representatives.” Section 8 declares that the Congress shall have power to lay and collect taxes, duties, imposts and excises, to pay the debts and provide for the common defense and general welfare of the United States.”

Despite this mandate, President Obama has taken the powers of the Hitlerian “Unitary Executive,” to preempt the powers of the Congress in economic policy, on behalf of imposing fascist austerity measures. The most recent and flagrant example is the so-called Budget Control Act, which sets up a Super-Congress to usurp the powers of the House of Representatives over economic policy, even denying Congress the ability to amend decisions made by a committee of 12 (along with President Obama).

The establishment of the Super-Congress follows the same pattern of usurpation that President Obama pioneered with his proposal for an Independent Payment Advisory Board (IPAB) to dictate the terms for what medical procedures are to be covered, and what they should cost. In the name of “removing decisions from politics,” President Obama would prevent Congress from defending the general welfare, and implement policies like those carried out by Adolf Hitler’s “non-political” panel of experts at Tiergarten-4, the center of the 1939-1941 Nazi euthanasia program that resulted in the mass death of the disabled and elderly.

For this High Crime, Barack Obama must be impeached.

Count VI

Conspiracy to commit the United States to an international genocide policy

Under the principles developed by the U.S.-initiated and -supported Nuremberg Military Tribunal after World War II, genocide was determined to be a Crime Against Humanity. Among the measures determined to lead to genocide was *population* reduction, no matter under what pretext and criteria it was carried out.

President Obama, by wholeheartedly embracing the Green genocide agenda of low-technology and depopulation which was promoted by the British monarchy at the 2009 Copenhagen Climate Summit, has conspired with that monarchy and its agents to carry out genocide against large sections of the world’s population. He has simultaneously acted to sabotage the life-saving scientific capacities of the United States, including by cancelling the manned space program, and refusing to fund life-saving satellite remote-sensing programs required in today’s intensified extreme weather events—actions which will inevitably lead to accelerated death rates among the world’s population, within the United States and out.

For this High Crime, Barack Obama must be impeached.

Count VII

Conspiracy to destroy the sovereignty of the United States

Article III, Section 3, of the U.S. Constitution defines treason against the United States as “only in levying war against them, or in adhering to their enemies, giving them aid and comfort.” President Obama meets that standard, by acting to cede U.S. sovereign powers to institutions loyal to the British Empire, and supranational institutions such as the International Monetary Fund.

As early as April 2009, Obama agreed to IMF demands to expand Special Drawing Rights (SDRs), as a means of strengthening the IMF, and de facto, weakening the U.S. dollar. Obama has also continued the Bush Administration’s massive looting of taxpayer dollars to be sent into the bottomless pit of the international financial institutions, including, but not limited to the Royal Bank of Scotland, and other Inter-Alpha banks, thus indebting U.S. citizens in support of institutions dedicated to destroying the Constitution of the United States.

For this high crime, bordering on treason, Barack Obama must be impeached.

A Pacific Alliance as a War-Avoidance Strategy

Nov. 4—With the British-orchestrated World War III looming ominously on the horizon, the LaRouche movement convened a conference to save civilization through a dialogue of cultures and cooperation among nations based on the highest ideas respecting man and science.

On the occasion of the 100th anniversary of Sun Yat-sen's republican revolution in China,¹ the LaRouche Political Action Committee co-sponsored an event on Oct. 29, in San Francisco, with the Summer Shields for Congress campaign, entitled, "Saving Civilization from the Brink: The Grand Pacific Alliance." Approximately 120 people participated during the course of the full-day program, including members of the San Francisco Chinese Benevolent Society, political figures in and around Chinatown. The discussion spanned history, science, and music.

Without a doubt, America's long-imagined intention to move westward across the Pacific Ocean to seek cooperation with the nations of China and Russia is on the table—even at the proverbial "11th hour."

Following a four-part performance of the "Star Spangled Banner," by the LaRouchePAC chorus, the tone of the day's proceedings was set by Lyndon LaRouche, who began by announcing that he had "unpleasant, but necessary news" that had to be presented for humanity's sake.

"The entire world system, but especially the trans-Atlantic system, as opposed to the trans-Pacific system, are on the verge of both a general collapse, and also a threat of a general World War III," LaRouche declared, "and these are threats of immediate developments. They could be averted, were the United States to throw President Obama out of office.... Without throwing him out of office, it is almost certain that the world will be plunged into World War III."

He continued, "Because we're reaching the two



LPAC

LaRouche Democratic candidate Summer Shields opened the first panel of the conference by congratulating the Chinese people on the 100th anniversary of Sun Yat-sen's republican revolution in China. Shields is running for Congress in the San Francisco district of California.

points: One point is the economic point of breakdown, the hyperinflationary breakdown process now; and the other part is the question of the development program. So we have an option in that direction."

After warning of a World War III scenario in which the Middle East has replaced the Balkans in British war strategy, the three points that formed the bulk of the discussion between LaRouche and the audience were 1) the immediate removal of Obama; 2) a global Glass-Steagall law; and 3) cooperation among the United States, Russia, and China.

This provoked a member of the Benevolent Society to comment that, were we to remove Obama, then we could have an economy based on the true development of mankind, along the principles of Sun Yat-sen.

The LaRouche Candidates

The first panel speakers were LaRouche Democrats Summer Shields (California) and Dave Christie (Washington State), along with *EIR*'s UN correspondent Leni Rubinstein. Shields began by congratulating the Chinese people on "100 years of freeing themselves from empire." Through quotes from Sun Yat-sen, he developed the importance of peaceful diplomacy, as repre-

1. See Robert Wesser and Mark Calney, "100th Anniversary of the Chinese Republic: Sun Yat-sen's Legacy and the American Revolution," *EIR*, Oct. 28, 2011.

sented by our great patriotic Presidents Abraham Lincoln and Franklin Roosevelt, with special emphasis on the strategic wartime relationship between Roosevelt and Russian Premier Josef Stalin.

However, he noted, this progress was cut short by Roosevelt's untimely death two weeks before the founding of the United Nations. Had he lived, then the UN probably would have meant something very different. Shields concluded with the urgent need for LaRouche's Three Powers Alliance—U.S.A., Russia, and China—today to avoid world war.

Christie began his presentation by stating that, "If the British want war, then we are going to give it to them!" which elicited a roar of applause from the audience. He developed how Glass-Steagall and the return to a Hamiltonian credit system are precisely the prescription to destroy the British Empire. In fact, he added, that Franklin Roosevelt's post-war intention was to use the Bretton Woods agreement to promote progress and development across the planet, especially to free the former colonial nations.

As is seen in biological evolution, Christie continued, in which waves of more developed species appear in great numbers to replace relatively lower-order species, mankind willfully develops with a constant upward evolution of energy-flux densities, such as the transition from coal to oil, and on to nuclear fission and fusion. On the other hand, environmentalism and reliance on low energy-flux-density power sources like solar and wind is "insane—it's boring!"

Rubinstein opened with "Tian Xia Wei Gong!" (The world exists to serve the people). She warned against the attempts by the empire's media to drive a wedge between China and the U.S., and drew the parallels in thought between Confucian philosophy and Christian theology, which coincided politically with the anti-British Empire republicans Sun Yat-sen and Abraham Lincoln. She developed the history of the American patriot John Quincy Adams' mission to spread the ideas of the United States



Dave Christie, LaRouche Congressional candidate in Washington State, called for development of higher energy-flux-density power sources, such as nuclear fission and fusion, to fuel mankind's upward evolution in the galaxy.

into Asia through the American Board of Commissioners for Foreign Missions, which is the very tradition that contributed to the creation of a revolutionary like Sun Yat-sen.

This presentation was complemented by an animation showing Sun's plan for the economic development of China from his "The International Development of China." The wonderful animation showed the rail and water development projects, complemented with the points of potential resource extraction in China. Many of these same projects are being constructed right now in China.

During the lunch break, there was a presentation of a series of traditional Chinese songs, which prompted many of the Chinese speakers to sing along.

Focus on Development

The next panel opened with a performance of Bach's "Jesu meine Freude."

Then Dr. Howard Chang, a professor emeritus at San Diego State University, joyfully presented developments taking place in China along the Yangtze and Yellow Rivers, including his direct involvement in the development of the Three Gorges Dam. Chang's unique perspective of having been involved in projects on both sides of the Pacific enabled him to contrast the development perspective of China to that of the United States; he humorously polemicized against those who attack the construction of major dams as a bad thing.

After Chang's presentation, the world-famous engineer Dr. Hal Cooper gave an excellent presentation on the specific challenges involved with the construction of the Bering Strait project, including setbacks caused by interventions coming from the British Empire. One such intervention, he said, was the creation of artificial wildlife preserves for the Bering Strait region, which would prevent rail development between the continents. Cooper shared his insights and anecdotes that come from his years of experience working to promote cooperation between Eurasia and North America,



EIRNS/Sylvia Rosas

LaRouchePAC's My-Hoa Steger gave a presentation on Beethoven and Bach, and then performed the complete Beethoven Opus 110 piano sonata, to the delight of the audience.

having attended numerous conferences in Russia and Europe, presenting Lyndon and Helga LaRouche's development proposals.

LaRouchePAC member Michael Steger then brought the panel to a close by casting a light on the problems of cost benefit analysis, in the age of the Noösphere. Steger then continued through a survey of some of the core scientific issues surrounding the work of Riemann and others, and how these ideas are not being addressed in today's reductionist scientific community. Mankind is not some kind of fluke in the universe, he argued; rather, man is fundamentally the determinant of that universe through his creativity. The cost of not developing the creative faculties of mankind is human extinction.

Science and Culture

Guests were then treated to an excellent performance of Felix Mendelssohn's piano trio #1 in D minor, by a trio from the San Francisco Music Conservatory. This was followed by a recording of a beautifully composed statement from Texas Congressional candidate Kesha Rogers. She developed the urgent need for cooperation among the nations of the United States, China, and Russia to avoid a new world war in

the immediate days ahead.

The final panel consisted of Sky Shields, leader of LaRouche's Basement Research team, and LaRouchePAC organizer My-Hoa Steger. Through a series of questions Shields developed the paradoxes in people's conception of, and assumptions about time, and the nature of the subjunctive. He provocatively asked where intention lies on a timeline—in the past, the present, or the future? Shields engaged in a Socratic dialogue with the audience, with some very funny responses on the question of what time was, such as "time is money," or "that it goes slow when you're not having fun, and fast when you are."

My-Hoa Steger's presentation started out with a reading of Beethoven's "Heiligenstadt Testament," and continued with a showing of a performance of Bach's "Es

Ist Vollbracht"; a brief pedagogy on Beethoven's Opus 110 piano sonata, and ended with a wonderful performance of the complete Opus 110.

The beautiful reverberations from the conference are encapsulated in a short article covering the event in the *China Press*—a newspaper with extensive coverage in San Francisco Chinatown and mainland China (paraphrased here):

"In [U.S. Congressional candidate Summer Shields'], address he spoke highly of the great Chinese patriot Sun Yat-sen's republican overthrow of the Qing Dynasty [and] proposed to replace the bankrupt financial system. . . . Some measures must be taken immediately, while over the next 100 years, research will be carried out on great works projects. . . .

"The United States should unite with China, Russia, India, and other countries, [through] a series of large-scale trans-Pacific economic development plans, for example, the North American Water and Power Alliance (NAWAPA: www.larouchepac.com/node/15814), [made up of] water resources development plans, through America, over the Bering Strait connecting with Eurasian railway projects and to promote cooperation among sovereign nation-states on an ambitious space program."

What Is the Weather in Space?

Research physicist Dr. Lee-Anne McKinnell was interviewed by EIR's Marsha Freeman Oct. 6, during the International Astronautical Congress in Cape Town, South Africa.

Dr. McKinnell is the managing director of space science at the South African National Space Agency (SANSA), and former acting managing director at the Hermanus Magnetic Observatory. Her area of research is in the development of an ionospheric model for application to communication in the ionosphere.

In addition to her scientific research, she plays a leading role in developing a new generation of young scientists from the nations of Africa.

EIR: Can you give us a bit of the history of the Hermanus Magnetic Observatory, and why it was built in South Africa?

McKinnell: ...It was started in 1937 at the University of Cape Town, for measuring the Earth's magnetic field, which was needed at that time. But by 1940, they realized that when you measure the Earth's magnetic field, you want to do it as accurately as possible, in an area where there are not outside influences.

In Cape Town, where the University was based, there was an electric railway line, and the system was causing inaccuracies

in the measurements they were trying to make. So they decided to move the observatory to a place which is what we call "magnetically clean," where there are no serious external influences on the Earth's magnetic field. They looked for a town that didn't have a railway line. And Hermanus, which is 120 kilometers from Cape Town, off the coast, had no electric railway in those days—and still doesn't today, thankfully, so the Observatory was placed there....

At Hermanus, we have 16 hectares of land, and in the middle, we have a magnetically clean area, which is where we take the measurements of the Earth's magnetic field. All of the buildings use non-magnetic material and are built with non-magnetic material, and we restrict activities in that area. We don't allow people to dig and put up structures that have magnetic components. We preserve the pristine nature of that....

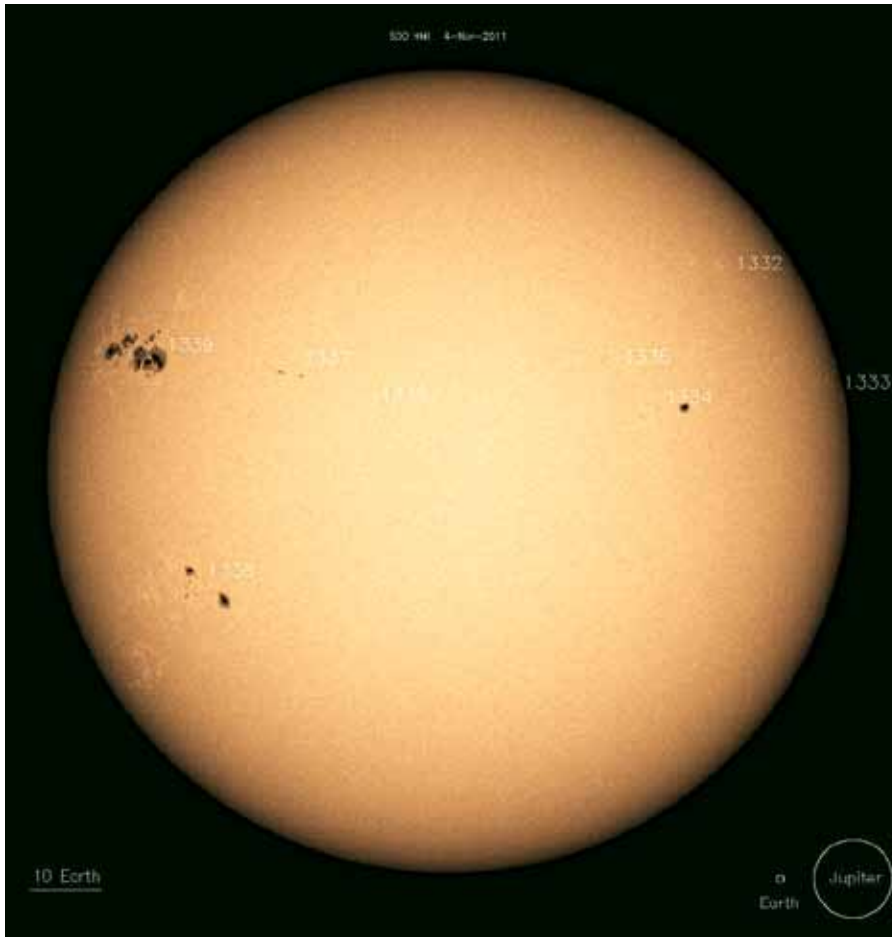
Changes in the Earth's Magnetic Field

EIR: I believe there have been changes over time in the strength of the Earth's magnetic field. Have



SANSA

Dr. Lee-Anne McKinnell



NASA

Scientists at the Hermanus Magnetic Observatory keep a careful eye on the Sun's activity, using data such as this Nov. 4 image of sunspots from the Solar and Heliospheric Observatory to develop models predicting when solar storms will reach the Earth.

you seen this in your measurements?

McKinnell: You are absolutely right. The reason why we want to measure the Earth's magnetic field in different places is because it's changing, and it's different in different places. SANSA, at the moment, operates four permanent field observatories, where we have accurate instrumentation to take measurements, in South Africa and in Namibia. Hermanus is one of them; and then we have one in Hartebeesthoek, which is north of Pretoria, and then there are two in Namibia, at Tsumeb and Keetmanshoop. All four these have INTERMAGNET [International Real-Time Magnetic Observatory Network] status, which is an international organization that dictates the standards for measurements. It's a bit like having a standard measure for the kilometer, or the meter. . . .

EIR: Where is the data collected?

McKinnell: There is a global database of magnetic field measurements, called the INTERMAGNET Data Base, and all of this data from these four observatories, plus many other observatories around the world, contributes to that. There are a number of magnetic observatories which do very similar things to what we do, all around the world. A number of them, including the one in Hermanus, had been chosen to use their data to calculate what we call the DST index, the Disturbance Storm Time index. It is a global index for magnetic field measurements, and if you have that index, you can correlate with any other space environment data and see the effects the magnetic field is having on the rest of the space environment.

The Earth's magnetic field is a very important parameter in space measurements. And we're very proud of the fact that Hermanus is of such a standard that it can be used for that calculation.

In terms of the change in the magnetic field, we have people on our staff whose specialty is geo-

magnetic data, and every magnetic observatory should have somebody like that. But we go one step further—we have people on the staff who simulate the Earth's magnetic field. They will have a look at how it's changing with time, and try to predict how it is going to change in the future, and then will update it with new measurements, as they become available.

What they have noticed is that the Earth's magnetic field is changing, and that in Hermanus, it has changed by up to 20% over the last 75 years. Apparently, this is something that they've seen in geologic ages. I think they say around 100,000 years ago, the Earth's magnetic field actually switched and that it will switch from time to time, in geological time-spaces, and that we're due for a change—a switch of the Earth's magnetic field, again. When it's going to happen, they're not so

sure, but they say we're about 200,000 years overdue, and that it might happen in the next 100,000 years. So I don't think we have to lose any sleep over it tonight, but it is going to happen.

What will happen when the Earth's magnetic field switches, is a question we get asked, and of course, we have no scientific evidence; none of us were around [the last time]; we didn't have the measurements we have today. All they know from geological records is that the last switch of the Earth's magnetic field did not coincide with the extinction of any life form. They feel we're probably going to be safe. It's not life-threatening.

The Earth's magnetic field has a purpose—it keeps the atmosphere to the Earth, and the atmosphere protects us from the Sun's rays. So we're probably going to get stronger rays coming through [the atmosphere], more extreme ultraviolet light coming through [as the magnetic field weakens]. But probably not for a very long period of time....

The Earth's Space Environment

EIR: The Observatory is also part of an international network of regional warning centers for space weather. How does that function?

McKinnell: Space weather is the term we give to changing conditions in the Earth's space environment. It is a very hostile environment, and conditions that happen in that environment can affect our technology on Earth.

It starts with the Sun as the driver, propagates through interplanetary space, and affects the atmosphere. The atmosphere maybe receives an increased number of particles. We're putting satellites into the atmosphere that we're dependent on for communications, the Global Positioning System, the Internet, etc. We have long pipelines on Earth, and they are susceptible to currents.

Space weather has been around for a long time, of course, but we recently coined the term. It's become a hot topic, because of the effects it's having on technol-



The Hermanus Observatory is one of 12 regional facilities of the International Space Environment Service (ISES)'s Regional Warning Centre Network. The centers are responsible for issuing warnings of geomagnetic storms that can affect radio communications, long-distance pipelines, and electric-power grids on Earth.

International Space Environment Service

ogy, and our dependence is growing. So, therefore, we really need to know and understand the effects it has on technology.

In order to coordinate global activities—because really every country is, or should be, interested in space weather—there is an international body, called the International Space Environment Service, ISES, and they have set up regional warning centers around the globe. They try to go for at least one on every continent, whose job it is to coordinate space-related data for each continent. You call it the applied side of research.

They take the models the researchers have developed, and they take the data that is coming in from the instrumentation that we deployed, and turn it into information. We call it the operational and forecasting and predicting side of space weather.

In Humanus, in 2007, ISES approached us because they didn't have a regional warning center in Africa, and Africa is a continent a lot of people are interested in, because it's very sparsely populated with geophysical instrumentation, and the data is still a little bit scarce. We are playing a major role in putting infrastructure in Africa....

Cosmic Radiation

EIR: People have been looking at how galactic cosmic radiation affects Earth's climate, and geophysi-

cal phenomena, and have noted changes in the ionosphere, for example, preceding earthquakes. Have you looked into that?

McKinnell: We've not really concentrated on precursors to earthquakes or the effects of cosmic rays. But there are people globally who are studying just that, particularly precursors to earthquakes—the huge disasters that have happened in Argentina and Japan, for example. We do run networks of ionospheric equipment that tell us about changes in the ionosphere. But we're interested in the ionosphere for another reason, in South Africa.

We're interested for our ability to communicate through the ionosphere, with radio waves. In Africa, that's very important. Because not all African countries can afford satellite communications, a lot of them are still using high-frequency [hf] radio-wave propagation through the atmosphere. In South Africa, we still use hf radio-wave propagation quite a bit. So our space weather center, up until now, has concentrated on being able to predict communication via the ionosphere; being able to predict frequency changes. And then also just looking at warnings, in relation to space weather.

For example, we monitor the Sun. We don't have any solar satellites ourselves. We use the data from U.S. and European satellites....

Space weather starts with the Sun. So no matter what your interest is, you're always going to start by looking at the Sun. We do have requests to notify people when there is a coronal mass ejection from the Sun. We are trying to give some indication of how long it will be before it hits the Earth. We've concentrated on the communications side. Anybody who wants to know, can find out from our website or from contact with us, or from subscription services we offer: "This thing has left the Sun, and is heading towards Earth."

Then there is a whole range of things that come after that. What happens when it hits the Earth.... If you're using GPS, is it going to be affected? If you have a long pipeline, and you're piping something from here to North Africa, should you stop it for a few days? We provide the information up to a point. The customer, the client, the person on the other side, will decide how serious it is, and what to do.

Then, on top of that, we are also running an investigation where we gather data from different people who are affected by these things, and look at ways in which we can tell you, "Okay, a coronal mass ejection

has left the Sun. It's going to hit the Earth. Now it has hit the Earth. This is the effect it had on the ionosphere, and because of those effects, this is the likelihood that something will happen to your equipment." We're not quite there yet, but we're working on that.

We hope to be at a point where we can say to you: "This afternoon at 2:00, there was a coronal mass ejection; we saw it, we know it's there. It is likely to hit the Earth's atmosphere four days later," and give you a probability: "These are the effects that are likely to happen," be it to satellites, to power lines, be it to whatever it is that you're operating.

We also, at SANSA, will be looking at satellite programs for South Africa. Every country that has a satellite program, has a direct link to the space-weather center. You're not going to spend a lot of money on your satellite, and then put it into an environment that is currently unstable. You want your satellite launch window to happen at a stable period of the Sun's activity. So you will keep in constant contact with your space-weather center....

Extreme Weather Events

EIR: Changes in the Earth's magnetic field have an impact on the amount of cosmic radiation that reaches the Earth's atmosphere, which appears to have an effect on the process of nucleation to create clouds, for example.

McKinnell: There are three things in your question. The first, is that currently there's been no scientific evidence that relates space weather to terrestrial weather. The weather all around us we now phrase as "terrestrial weather," to distinguish it from space weather. But that's not to mean that there isn't [a correlation]; and there is a group of people who are trying to correlate terrestrial weather data and space weather data.

For example, we do do some science that involves lightning strikes, and waves in the atmosphere. There is a group in South Africa that is studying what we call the heliosphere, the Sun's atmosphere. A portion of that group was looking at cosmic rays, solar cosmic rays, and the effect on the Earth's magnetosphere, and trying to model the effects.

There are two spacecraft that have recently gone into [the edge of] this heliosphere—Voyager 1 and Voyager 2. Those spacecraft have released a whole lot of

new data that these scientists are very excited about, and probably will show us much more than what we've seen before. At least that will validate the models, anyway.

Our atmosphere protects us from the solar cosmic rays. We have done no studies to see whether those cosmic rays are penetrating further down [in the atmosphere] than we believe they are. However, the reason we believe they are not penetrating down very far, is because of the ionosphere, which are the dense layers that protect us.

So, at the moment, what I can tell you is that the extent of the cosmic ray effects on people on Earth is very small. The Earth's atmosphere is doing a good job of protecting us.

The effects of any kind of particles that the Sun ejects are first felt in the magnetosphere, usually in the form of a magnetic storm. The study of magnetic storms is something we do know a lot about, and have done a lot of work on, because that's the first time you feel the effects of space weather. A magnetic storm compresses and expands the Earth's magnetosphere, and that has an effect on the ionosphere; and that, in turn, has an effect on radio communications and other things. We can measure it, we can see the Earth's magnetic field, and that is part of what the space-weather center does. It will look at raw magnetic data. It turns it into what we call an index, and the level of that index tells us the severity of the event—whether it's a minor, or moderate, or severe magnetic storm.

There have been a lot of studies of coronal mass ejections coming off the Sun, which is particles being thrown at the Earth's magnetic field, geomagnetic storms or events, and the ionosphere. That link is fairly well known. There are lots and lots of scientific papers published on that link. What we're trying to do now—and we have got some scientists working on it in SANSa—is looking at the lower atmosphere, which is still above terrestrial weather, looking at that effect and whether what we see is different when we have a geomagnetic storm.

And we've recently installed a piece of equipment in Hermanus called a Doppler radar, which will basically sound the atmosphere at a very low frequency, continuously at certain times, but only at that one single frequency, and bring us back spectrograms that will allow us to see disturbances and irregularities in the ionosphere, mostly in the lower ionosphere. We're hoping to see a correlation between those, and the geo-

magnetic storms, which happen much higher up. So we haven't gotten down to terrestrial weather yet, but we're coming down in our science!

Particularly in this kind of science, we specialize in two ways: in the area in which you have expertise, so if we have scientists who are interested in certain aspects of the space environment, we tend to build a specialty around them; and then, in terms of the needs of that particular country. That's why our space-weather center has done so much hf propagation work, because that happens to be a need in this particular area.

The 'Extended Solar Minimum'

EIR: There was a lot of concern about the lateness of the onset of this current solar cycle. Is that an area that you also can measure and confirm, looking at the changes in the Earth's magnetic field?

McKinnell: We monitored that. It's been termed "the extended solar minimum of 2007." I think 2007 was when we thought the end of it would come, but it was a much longer solar minimum than the previous one, which was 11 years before. The concern was that the last time such a long solar minimum had been seen was what we called the Maunder Minimum, [beginning in 1645] which was the mini-ice age.

Another concern was that after a solar minimum, the next thing you worry about is the solar maximum. The question was: What is this going to do to our solar maximum? Does this mean we get an enlarged solar maximum or that the solar maximum will be delayed, because the whole cycle has now been shifted by the extended solar minimum?

As far as measurements are concerned, of course we were measuring throughout that period and we monitored the Sun. Space-weather enthusiasts and operators don't get very excited during that time, because nothing is happening on the Sun, so everything else is quiet. During that time, everybody was complaining that there was no activity on the Sun. "What's happening?" was a question we got asked a lot.

We have a period of solar data which we didn't collect ourselves, which we have access to, and the whole array of geomagnetic data which we did collect ourselves. So now, there is a whole research study into whether it's possible to model the effects during the solar minimum. What effects did it have on ionospheric propagation? You don't assume that nothing is going on. Let's have a look at the data, and see.



SANSA

Dr. McKinnell and the staff of the Hermanus Observatory supervise the education and training of young scientists, like those shown here, who come to the facility, from many nations in Africa.

And also, what are the effects now? I think it's going to open up a whole interesting area of study now, going into the next solar maximum, because I've seen quite a few scientific papers coming through, where they refer to the extended solar minimum and its effect on the magnetosphere and on the ionosphere. They're looking at the correlation between data during that period; but we're also looking at what happens immediately after that period....

EIR: The Sun doesn't often make front-page news, but this extended solar minimum was very heavily publicized.

McKinnell: Yes. And the Sun is going to be making more front-page news in the coming years, as we go towards the solar maximum. Because now the Sun is getting more and more active, and the solar maximum is predicted for the end of 2012, beginning of 2013. There is a six-month uncertainty on the prediction, because of how these things work. And that prediction has been shifted up because of the extended solar minimum. All indications are that the solar maximum will be at the same level of the previous one. The majority of predictions have shown that, but, of course, we don't know.

The difference between now and 11 years ago, is that now we are really dependent on technology that could be disrupted by solar events. Now we do need to be aware. Eleven years ago, we were doing research on it, of course, but it wasn't making front-page news, and we weren't concentrating on the forecasts and predictions. Eleven years ago, you used a normal phone, or waited until you got home to make a call. Now there is a good chance that you don't have a phone at home, because you're dependent on your cell phone. So our technological dependence has grown remarkably in the last 11 years.

That's why we need to be up-to-date with space weather. That's why we need regional warning centers. That's why we need people who are trained to forecast and predict. You know, a researcher—he knows his data—but most researchers cannot look at the Sun and tell you exactly what it's going to do to technology in four days time. A good forecaster can. And that's why we are trying to develop good forecasters here to work alongside the researchers and interpret.

EIR: I'd bet that your goal is to do better than the weather forecasters, who are about 50% accurate!

McKinnell: ...The thing that we don't fully understand yet, and we are still grappling with, is the history of data, keeping the history of what's happened before. The Sun is very predictable, except for the lower solar minimum, I guess. But every 11 years, it will do something. We have all of that solar data, going back to the 1600s. There's a very good reason why it's been kept, and we should be keeping ours, and we are, by the way, keeping our data as well as delivering real-time data. Archiving the data is just as fundamentally important. The really good models take the physics into account, but they use the history and data, of what came before, to help us decide what's going to come in the future. And that's also going to really, really help us.

EIR: It is quite remarkable that this data, from the 1600s, has been preserved.

McKinnell: The curiosity and the need for scientific knowledge have always been there. One of the first things scientists were sensitive to was the presence of the Sun. And I think it's great that they had the presence of mind to keep it. And I think it was scientific curiosity that drove that, rather than the thought that "400 years from now, they're going to want this data."

Typically, we don't use the data from 400 years ago; we only use the data from three or four solar cycles. But the sunspot number data base is the longest archived data base, ever. Ionospheric data, we only started archiving in the '50s. Geomagnetic data, I don't think even goes back as long as that. There is also the whole thing of how you keep and record the data, and technology has helped us with that.

EIR: At the Hermanus Observatory, how many people are involved? Do you have people from other countries?

McKinnell: Absolutely. We have a number of international collaborations. It's very important for space science. In fact, next week, we are hosting an international workshop of 65 delegates, 60 of whom come from other countries. So this weekend we are going to have a huge influx of visitors to the facility and to Hermanus....

Our permanent staff is South African, but we have students that come from the rest of Africa. One of the ways in which we work with the rest of Africa is through training and helping them to build capacity in their countries, and the exchange of expertise. We are going to have at least 25-30 African scientists joining us next week for the international workshop, all of whom are contributing in their own right. In our student exchange, we have a number of students from other African countries, who are getting PhDs and Masters degrees in space science, and want to go back to their countries and work in the space-science programs. In any given month, we have a good flow of people traveling and people coming in, and I think that's what keeps the science alive.

The Southern Hemisphere

EIR: The International Astronautical Congress here in Cape Town was organized for all of Africa, so there is a large role for South Africa to play on the continent. You have a special geographic position globally, but there are other countries, such as in Latin America, that are also relatively close to the South Pole. Are there other, sister, observatories in the Southern Hemisphere?

McKinnell: Argentina, Brazil, and Australia have very vibrant space science programs, and we work very closely with them. Two years ago, when I needed to send a young person to learn about space weather

operations, I sent her to Australia, because they have quite a fantastic space weather center there, and they know about space weather forecasting in the Southern Hemisphere, and I wanted her to get a Southern Hemisphere perspective. They were very happy to help.

We run a very active program in Antarctica. We have a suite of equipment down at the South African National Antarctic Expedition Base, and one of those is in high frequency radar which is used to observe irregularities at the poles. It is part of the International Super DARN [Dual Auroral Radar Network]. We run one of the Southern Hemisphere radars. The other one is the Halley Research Station run by the U.K. And the two of them have overlapping beam patterns, which allows you to see a certain kind of irregularities, which is the way that Super DARN works. It's an international network of polar high frequency radars. We send people down there every year, to look after the equipment and to maintain it. It's very much a part of what we do.

The LPAC Weather Report



Peter Martinson of the LaRouchePAC Basement Team presents the June 2011 announcement by the American Astronomical Society, about the future of our Sun, within the context of a creative universe. The Sun's activity is not random, nor is our planet's relationship to it. So, our governments must quit posturing, and do something about it!

<http://www.larouchepac.com/node/19447>

Celebrate the 7 Billion!

There was likely wailing and gnashing of teeth around the British Royal Household last week, when it was announced by the United Nations that the 7 billionth human being was born on this planet. By contrast, sane people around the world celebrated this milestone for humanity, and silently dedicated themselves to creating the world characterized by an explosion of scientific progress, which will make the life of that child, and billions more, both happy and productive.

The British Empire has been campaigning against the arrival of the 7 billionth child for centuries now, by their usual methods. As their puppet Parson Malthus put it, “Instead of recommending cleanliness to the poor, we should encourage contrary habits. In our towns we should make the streets narrower, crowd more people into the houses, and court the return of the plague. In the country, we should build our villages near stagnant pools, and particularly encourage settlement in all marshy and unwholesome situations. But above all we should reprobate specific remedies for ravaging diseases; and restrain those benevolent, but much mistaken men, who have thought they are doing a service to mankind by protecting schemes for the total extirpation of particular disorders.”

Once you understand this outlook, the current denial of life-saving high technology, food, medicine, and Classical education to billions of people on Earth becomes understandable. The British Empire, which now functions as a global financial imperium (“the markets” and the sundry international financial institutions), has never abandoned Malthus’s view. They see every additional human life as a “mouth to feed,” or a “burden to be borne,” rather than the addition of a new creative human mind, available to contribute to a greater and

greater future for the planet.

But there is a worse horror we must face. For the British Royals have not only maintained their own commitment to genocide, but they have also successfully spread that virus throughout the entire world. It’s known as the “green movement,” and, like its U.S. guru Paul Ehrlich, its advocates (sometimes unconsciously) view mankind as a “cancer” upon the Earth. This movement has taken over governments, sabotaged nuclear fission and fusion, killed great life-saving projects, and even openly demanded the reduction in the human population.

Britain’s Prince Philip, and his minions, such as German science advisor Hans-Joachim Schellnhuber, even claim that “science” dictates that the world’s population be reduced from 7 billion to one!

Our responsibility to that 7 billionth child, and all the children and adults of this world, is therefore clear: First, politically destroy the Green movement! No human being on this planet is safe, if the world is dominated by a coterie of “experts” who have declared that the world already has too many people. Such a coterie is not just stupid; it’s downright evil and dangerous.

We in the United States have historically challenged the evil Malthusians. Indeed, Malthus’s original deployment was aimed directly at the young United States, whose population was growing at an exponential rate, and providing a higher living standard as well. What a horror, then, that our current occupant of the White House embraces the depopulators, and bows before the Queen.

We said, “Never again!” to Hitler. Now let’s say it to the Malthusian people-haters. Celebrate the 7 billion—and many, many billions more!

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