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The Unified Field Theory: A Biological Perspective

**'The LaRouche Plan':
Rescuing the World Economy**



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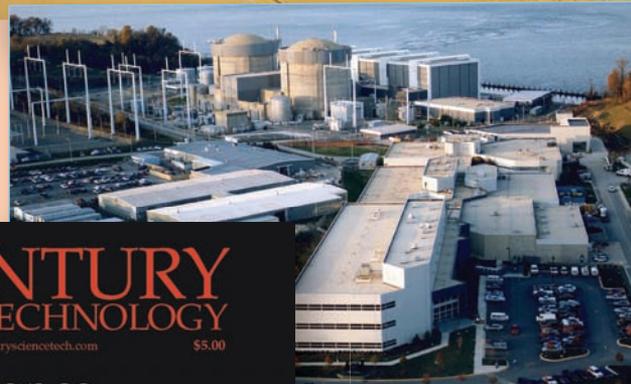
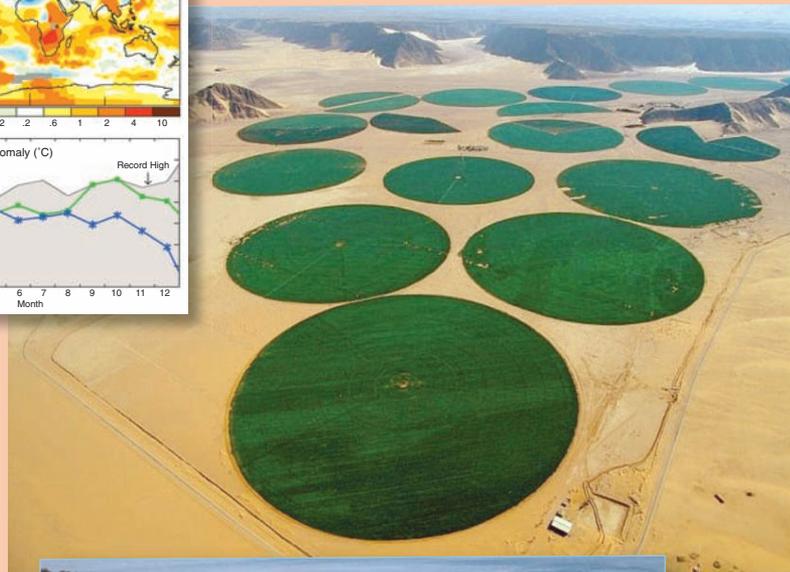
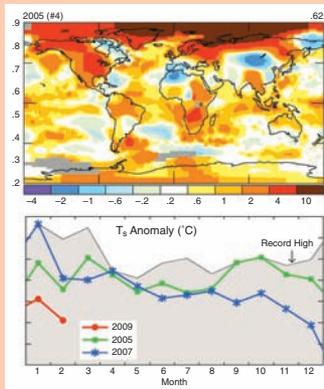
Where Is Punt, The ‘Land of God’?

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EIR

From the Managing Editor

Oct. 9 is the 20th anniversary of the outbreak, in 1989, in Leipzig and other East German cities, of the peaceful revolution that, within the proverbial blink of an eye, brought down the hated Honecker government, the Berlin Wall, and soon after, led to the disintegration of the Soviet Union itself. The rallying cry of the Monday night vigils, “*Wir sind das Volk*” (“We are the people”) is echoed today in the outcry, however inchoate, in the United States, against the hated polices of the Obama Administration, and its Wall Street and London controllers.

And, on Oct. 12, we honor the memory of the great Italian explorer Christopher Columbus, who began his voyage to our shores on that date in 1492, inspired by the vision of Nicholas of Cusa, to found a civilization based on the concept of man in the image of God. This is the project that, 300 years later, became our American Republic.

At the same time, we take note of Lyndon LaRouche’s words of warning, in this week’s *Feature*, “‘The LaRouche Plan’: Rescuing the World’s Economy,” about what we face now, in early October:

“Now, the most crucial point of this present moment of Autumn 2009, is to be traced . . . back to July–September 2007, *since when*, the world as a whole had already entered, not a mere ‘1929 style’ stock-market crash, but, the crucial ‘break-down phase’ of a world monetary system. . . .”

“The LaRouche Plan” lays out the solution, which, above all, requires an approach from the standpoint of 50-100 years into the future, especially a Moon-Mars mission. This concept is brilliantly elaborated in a discussion from the weekly Internet radio broadcast, “The LaRouche Show,” by two young scientists from the “Basement Team,” on “The Unified Field Theory: A Biological Perspective.”

An Olympic-size scandal is now brewing around the President’s disastrous mission to win Chicago’s bid for the 2016 Games. As reported in our *National* lead, an *EIR* investigation has already revealed massive corruption, involving top Obama insiders, Valerie Jarrett and David Axelrod.

And Chancellor candidate Helga Zepp-LaRouche analyzes the recent elections in Germany, in which her party, the BüSo, was the only one to propose real solutions to the global financial collapse.



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*An artist's
conception of the
Mars lander;
next step:
Moon-Mars
colonization.*



NASA/JPL-Caltech/University of Arizona

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Rescuing the World's Economy

By Lyndon H. LaRouche, Jr. He writes that "the world as a whole has now entered what would be, unless corrected very soon, a process of general breakdown of the entire world's economy, a breakdown which would bring on a protracted period of genocidal effects of breakdown of the economies of every part of this world for a generation or more yet to come." LaRouche then outlines the essential actions required on behalf of our planet's immediate economic recovery. At the center of any development perspective, we require a mission to colonize Mars, an achievement which will compel us "to develop ourselves as we would never attempt such an achievement without devotion to the challenge of such a mission."

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Obama Administration officials are split between two policies for Afghanistan: counterinsurgency, or counterterrorism. Neither is the solution, writes Ramtanu Maitra, who calls for a conference of the five regional powers, plus the U.S.A., to resolve the longstanding, British Empire-orchestrated conflicts among them.

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‘THE LAROCHE PLAN’

Rescuing the World’s Economy

by Lyndon H. LaRouche, Jr.

September 30, 2009

During June 1987, I had repeatedly forecast, publicly, that unless certain remedial actions were taken during the Summer of that year, the first weeks of that October would see a stock-exchange crisis comparable to 1929. It happened exactly as, and when I had forecast such an event to occur.

Now, with the advent of this month of October, the entirety of the planet Earth will have entered the “count-down” phase of what has been pending as a far greater threat of an international economic breakdown-crisis, than even that of Europe’s Fourteenth-century “New Dark Age.” This would come to be, unless prevented now, a general breakdown-crisis of the entire planet, a period of deadly crisis, which would be fairly estimated to be continued over a span of two or more generations to come.

*The current process leading from the development of October 1987 **back then**, to this now immediate, far greater danger, was set into motion, **back then**, during the October 1987 crisis more than twenty years ago, by the combined effects of, first, the appointment of Alan Greenspan to the post of Chairman of the Federal Reserve System, and, second, the installation of Greenspan’s implicitly atrocious legalization of that swindle known as “financial derivatives.”*

*Now, the most crucial point of this present moment of Autumn 2009, is to be traced from the present moment, back to July-September 2007, **since when**, the world as a whole had already entered, not a mere “1929 style” stock-market crash, but, the crucial “break-down phase” of a world monetary system polluted by the product of Alan Greenspan’s great swindle, a swindle which has led into the present most critical phase of a threatened plunge of the entirety of this planet, **as if simultaneously**, into a new dark age. This would be a dark age which, unless stopped soon, could quickly become far worse in its ultimate effects, than the “New*



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Highly skilled blue-collar workers, like this autoworker in Pontiac, Mich., have been rendered nearly extinct, under the past 40-year reign of globalization, the “service” economy, “green” jobs, etc. His skills are desperately needed today to rescue the world economy.

Dark Age” of Europe’s Fourteenth Century.

Today, this present state of affairs, also requires that we must recognize that moment, of the October 1987, 1929-style, Wall Street financial depression, as the presently retrospective point in past time, from which what must be chosen to represent the conception of an immediate reform of the world system, **must now proceed, as if retroactively.**¹

In that way, by that strict emphasis on the pivotal turning-point of the October 1987 crash, we may avoid, as much as possible, the Herculean chore of attempting to clear away, retrospectively, the physical-economic

1. Contrary to the intrinsically incompetent, but nonetheless customary methods of statistical economic forecasting, the trends of developments at any point in the clocked time of a process, depend upon a combination of developments whose measure must be combined, to a single effect, to be measured as potential, a combination which includes a causal basis in developments of an earlier time, and also the reasonable expectation of developments still to occur in some future time. In short: this is a matter of a study in *dynamics*, as Gottfried Leibniz defined modern *dynamics* in the course of his demolishing the pretensions respecting science by the foolish Rene Descartes and, later, after Leibniz’s own death, by behaviorist heirs of Descartes such as Adam Smith and Jeremy Bentham.

effects of those errors dating, specifically, from points earlier than October 1987.

Except as we must proceed by resuming the constitutional standpoint, and outlook for U.S. strategic policy extant immediately prior to developments beginning April 13, 1945, we must be content to do as much cleansing as can not be avoided, within the bounds marked out by October 1987. Other intended improvements in practiced doctrine will be required, but those must now, usually, be postponed until the course of improvements made at some time after the most essential, initial rescue-actions have been securely put into place.

Here, then, below, is the outline of the essential points of the immediately needed plan for the actions to be taken on behalf of our planet’s immediate economic recovery. For the present moment, the mission now must be the craft-

ing of the foundations of that subsuming dynamic of policy-shaping which is the **now** most immediately essential foundation for the near to medium term, in the presently tempestuous, immediate future of mankind.

A PREFACE:

The Outline of the Rescue Plan

So, the world as a whole has now entered what would be, unless corrected very soon, a process of general breakdown of the entire world’s economy, a breakdown which would bring on a protracted period of genocidal effects of breakdown of the economies of every part of this world for a generation or more yet to come.

This already onrushing catastrophe, if it continues along its present course, would soon be expressed as a plunge into a very deep and prolonged new dark age for, not some, but all of the nations and territories of this planet. For as long as the present monetarist form of financial system is continued, there would never be a recovery of the economies of the leading, or other nations

of the planet. All chatter alleging some more or less spontaneous recovery of the present monetarist system, at any time in the future, is either fraud, even outright lies, or, merely wishful self-delusion.

The key to understanding the intent and nature of the adoption of a feasible plan for a preventive rescue of the nations from such a presently onrushing catastrophe, depends upon understanding the absolute urgency of shutting down the world's present monetary system, for its replacement, as if instantly, and globally, by a world-wide credit-system consistent with the original intent of the U.S. Federal Constitution. This would be a system which is to be modeled on the proven principle expressed by the precedent of that "Hamiltonian" principle embedded in the heart of the creation of the U.S. Federal Constitution.

Any contrary policy would ensure the full-throated, and, almost certainly, an early onset of a prolonged, planetary new dark age of all peoples and nations.

That indispensable, pro-Hamilton reform already rooted and still waiting within the body of that U.S. Federal Constitution, would cancel all of those specifically fraudulent forms of monetarist debt which have been crafted since the very significantly relevant assassination of President John F. Kennedy. However, for the moment of the present global emergency, the emphasis must be placed on immediately uprooting the presently fraudulent general practices in the world's international markets, a reform to be accomplished by means of *the morally lawful action of cancelling those merely nominal, largely speculative financial obligations, which do not meet the U.S.A.'s now historic Franklin Roosevelt-era reform, the Glass-Steagall standard for commercial banking, a reform which, other problems aside, had been so marvelously successful in defending our banking system in its assigned function, for as long as Glass-Steagall remained in full force, prior to the relevant evil perpetrated by the scheming of Larry Summers.*

What the British empire has done, in concert with the wretched behaviorists associated with the current



White House/Eric Draper

The alien British influence expressed, most emphatically, under the George W. Bush and Barack Obama Presidencies, will be eliminated only when we rid ourselves of the monetarist system, in favor of a U.S. Constitutional credit system.

U.S. Obama administration, and by the evil influence on that administration of the shamelessly lying former British Prime Minister Tony Blair, has been to push the U.S.A. which was already at the brink of a national emergency in July 2007, into becoming a hopelessly bankrupt shambles, as this had now been done over the period from actions, such as those launched in association with U.S. Representative Barney Frank, and others, in September 2007 and continued as a wrecking-game under the present Obama administration, to the present day.

The need for that cleansing process to rid us of that alien British influence expressed, most emphatically, under the George W. Bush, Jr. and Barack Obama Presidencies, will continue to the point, that we had eliminated the putatively legalized existence of the world's intrinsically imperialist, principal monetarist systems, and, had thus established the purified medium of a concert of cooperating national credit-systems among a growing majority of sovereign nation-states.

The latter reform will provide the capability for reviving the physical economy of the world, that accomplished through a system of long-term credit used as the basis for a fixed-exchange-rate system of utterance of

long-term credit, a system used for restoring a real net physical economic growth. This mission will be accomplished by using a credit-system modeled on the specifications of the original U.S. Federal Constitution, and by operating internationally, in a range of an annual 1.5-2.0 percent, simple interest charge, under the strict enforcement of a fixed-exchange-rate credit-system of the type implicit in the relevant provisions of the U.S. Federal Constitution. This must be done in all relevant categories of long-term capital-improvement loans, that done under a rigorously fixed-exchange-rate system which had been freed from further interference by the characteristically usurious practices of all monetary systems, that of the British empire most notably.

The result of that most crucial reform, must become the establishing of a system of credit as so defined by the U.S. Federal Constitution, as opposite to all monetary systems. The new world credit system, must be one which is already mandated by the U.S. Federal Constitution, but has been recently violated in the most atrocious degree since Alan Greenspan succeeded Paul Volcker in the Federal Reserve System. The ordering of practice according to the Constitutional specification of our national system being a credit-system, rather than a monetarist system, which is to be brought back into being in that way, and to that end, is a reform to be shared, through sovereign treaty-agreements, by means of agreements premised on the principled goal of a fixed exchange-rate parity among the member-nation-states of a system composed of what must be recognized under international law as perfectly sovereign nation-state republics sharing a common lawful commitment to a credit-system, rather than a monetary system.

To reach that area of security, a number of crucially important hurdles must be mastered, each and all initiated by a cooperating group from among the world's most powerful nations: the United States of America, Russia, China, and India, but also bringing in willing other nations as also key partners and participants in the launching of the new world credit-system composed of nations which each, themselves base their economic life on the functions of a credit-system, and repelling of all monetary systems.

The object of this reform, from the start, must be to restore increasingly capital-intensive, increasingly energy-flux-dense modes in agriculture, manufactures, and basic economic infrastructure, and national health-care systems akin to the historical U.S. Hill-Burton standard, as the standard for the practice of the increase

of the net physical productive powers of labor, per capita, and per square kilometer, in and among the nations of the world.

There are three crucial, strategic reasons why only a leading, four-power agreement among, specifically, the U.S.A., Russia, China, and India, must be the core of the initiating group.

First, obviously, without nations representing a bloc of sufficient power to overrule the threat to such a reform represented by the present British empire, the situation for humanity were presently hopeless.

Second, the degeneration of all of western and central Europe under the conditionalities imposed, on behalf of the proposed Euro, through the joint action of Prime Minister Margaret Thatcher, President François Mitterrand, and President George H.W. Bush, has destroyed the national sovereignties, and the economies of continental western and central Europe, to such a degree that that section of Europe is, for the moment, utterly impotent for effecting the initiation of any competent reform of the type required. After the "back of the British imperial system" has been broken, a freer atmosphere will finally come to exist in the world, and abominations such as the "Euro" can be undone successfully.

Third, when the asymmetrical characteristics of the four presently leading and legitimate world powers have been taken into account, and when other nations likely to join immediately are taken into account, this concert of remedial action represents a great part of the population and territory of the world, but, at the same time, expresses those dissimilarities among the four principal nations which, in and of themselves, assure a relative universality of a quality of true common interest expressed as that of four and more initiating powers.

Furthermore, any scheme which did not feature the United States as a leading part of the effort, would be an attempted cure worse than the disease. Without the inherently credit-system-based design of the U.S. Federal Constitution, any effort at reform undertaken by other nations, would turn out to have been, indeed, a cure worse than the disease.

The aim of this choice of process of initiating the urgently needed, global reform, is to eliminate those inappropriate policies and practices associated, most typically, with the role of the United Kingdom as the pivotal instrument of that imperial system of monetarism, a system, formally established, implicitly, by the Febru-



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An agreement among the world's leading four powers, Russia, India, China, and the U.S.A., must form the core of a new, just international economic/cultural order. Clockwise from top left: the Gateway of India (1911), a blend of Muslim and Hindu architectural styles, in South Mumbai; the Statue of Liberty on Ellis Island, New York City, 1886, gift to the U.S.A., from France on the centennial of the Declaration of Independence Northeast tower of the Forbidden City, Beijing, China (1406-20); Saint Basil's Cathedral, Red Square, Moscow, Russia (1555-61).

ary 1763 Peace of Paris, a system which established a form of imperialist tyranny which has been the traditional imperialism reigning among the principal ancient through modern maritime empires, since the period of the relevant folly of the Peloponnesian War.

Monetarism has been, in turn, the principal source of the practices which have brought the planet's relations among peoples and nations, into that state of planet-wide moral degeneration, which is, in and of itself, a crime against all humanity, a crime for which the imperialistic United Kingdom and its predatory, monetarist confederates have been the principal propo-

nents of imperialist forms of oppression during recent centuries.

The very notion of an international monetary system, in which that system is controlled by private financial interests which are placed outside and actually above putatively sovereign nation-states, is the form of explicitly imperialist, and predatory evil, which has been the origin of the organized evil which has worked, since the death of President Franklin D. Roosevelt, to undermine our United States, and to perpetuate a combination of old and more recent forms of imperialist/colonialist evils upon the greater number of nations of the planet, including present special effects of this process on our United States itself.

There could be no honest and competent debate of the nature of the systemic abuses built into the history of modern monetarist systems of our planet until the monetarist system itself has been uprooted from the dominant economic systems of the world.

It is important for leaders of nations, as also others, to recognize, despite the widespread use of mere chroniclers of the isolated fact, to replace actual historians, that the only form of actual imperialism existing in the world as a whole today, is the expression of the actual British empire of the present day as an incarnation of a global monetarist system which employs the hoax of "free trade" to render nations subject to predatory monetary pirates, pirates which are relatively free of the restraints which might otherwise be available to nominally sovereign governments.

The British empire, for example, is not an empire of the British population, but of a nest of virtually free-booting, component powers, who rule and rape the nations and peoples of the world, and who reign, according to the medieval and modern Venetian tradition, but with aid of post-office addresses at London's Threadneedle Street and Buckingham Palace.

It were fairly said, that there can be no true sovereignty of any nation, over which the imperial presence of a free-trade form of monetary system is permitted to roam, especially such a system employed as a mechanism of globalization.

All empires whose origins have been rooted in the Mediterranean maritime tradition since the Peloponnesian War, have been the tradition of rule of empire over kingdoms and other political entities, which has reigned, with some sundry changes of costume and dialects, over and beyond Europe itself, up to the present day. It is only nations which have sovereign credit-systems, and are not subject to rules crafted by monetarist institutions, which are the only truly free nations; the others are, essentially, the monetarists' prey. The worst, most dastardly of all imperial tyrannies, is the victim's own submission to the drugged-like worship of what is called "free trade." That is exactly how the United States and its citizens have been raped, again, and yet again, and ever more and more, by the British empire, and right now, ever since the day that President Franklin Roosevelt died, on April 12, 1945.

The putative alternative, the prospect of continued life under any other form of monetarism, whatever, or whoever the participants might be, at this time, will become the outcome of a remedy far worse than the disease. That is to emphasize, that monetarism in any form, is the disease which would be fatal to civilization, globally, under any attempt at continuation of the conditions of the present, conjunctural, global, breakdown-crisis.

Admittedly, many influentials will argue that the possibility of the reforms which I demand, is far distant, if, indeed, they would ever be accepted. That mistaken view overlooks the reality by mistaking today's habituated, popular fashions for the voice of eternity. That mistake is rooted in ignorance of a certain higher principle, that of social dynamics, governing the rules of behavior which override any explicit agreements on practice within a society, as the poet Percy Bysshe Shelley emphasized the relevant principle of dynamics, in the conclusion of his **A Defence of Poetry**. Without a

rather prompt adoption of precisely those reforms toward which I have pointed here, the continued existence of what has recently passed for civilization, is to be doubted. In any serious crisis, the populations of the world would tend *to wish to seek out* a choice under which civilization survives. Nonetheless, under present global conditions, the present world monetarist system, is not the patient to be cured, but the deadly disease to be contained, and exterminated.

Therefore, all extant treaty-agreements which would

The worst, most dastardly of all imperial tyrannies, is the victim's own submission to the drugged-like worship of what is called "free trade."

tend to prevent, or impede this most urgently needed reform, must be placed on the block for pre-emptive elimination, as the relevant conflict of interest prescribes the need for such remedies as solutions.

In such proceedings, all matters of economic policy and practice, which should be now considered as immoral or foolish, because they are expressions of monetarist systems, should be subject to eradication, whether they are of relatively recent vintage, or as hoary as the practice of prostitution itself.

The reform, of the form which had become known as the Glass-Steagall reform of commercial banking, which was accomplished under the Administration of U.S. President Franklin Roosevelt, is from its fresh outset, again, today, the reform which must be immediately re-introduced to the U.S. system as a starting-point for launching any competent attempt at general recovery of the world's economy today.

Without that action, it would be impossible to clear away the worthless, and also intrinsically fraudulent trash, such as financial derivatives. It would be impossible to restore those private banking institutions of regulated commercial banking, on which the launching of a general recovery through the mechanisms of an orderly system of the type of U.S. Constitutional Federal public credit depends. The restoration of the Glass-Steagall statute for the area of commercial banking and related institutions, a restoration conducted within the United States, under that same principle of Federal con-

stitutional law, must be immediate, and also retroactive in its effect, wherever the terrible moral flaw of the suspension of that provision, is to be recognized, as was recognized, indeed, in the original adoption of the Glass-Steagall legislation.

In the case of the U.S.A. itself, we require the immediate restoration of a clean commercial banking system: for, without it, it would be impossible to establish the presently indispensable platform of a system of private, commercial credit. Without it, there would be a lack of means for the effective employment of Federal Government credit in recovery of the afflicted states and other communities, and the system could not be brought into that state of economic vitality which the catastrophes



The famous South Sea Bubble (1720) of the whiggish (and some would say, "piggish") Prime Minister Walpole, caricatured in this illustration, is a model for the wildly speculative financial-derivatives-like frauds of today.



caused by the 1987-2009 interval of incompetence in the general practice of economic law, had taken away.

This specific expression of systemic incompetence, has been expressed with special force over that interval, since the so-called international "reforms" of the period from the February-March 1968 reforms of the Bretton Woods agreements, to that 1971-72 destruction of the last, tattered vestiges of the Bretton Woods system, a destruction which has transformed Americans, increasingly, into virtual British slaves, since the combination of the 1971 disavowal of the Bretton Woods System, by the Nixon Administration, and the great Saudi-British petroleum spot-market hoax which soon followed.

"The Right to Life" as Economic Science

This brings us to the subject of the true nature of human behavior.

In all these and kindred matters, the notion of *equity* is located essentially in the service of the socially necessary human rights of the individual person, that in respect to all matters, that according to the specifically Leibnizian U.S. constitutional requirements of the no-

tions of the rights of the individual to *life, liberty, and the pursuit of happiness*, as echoed in that fundamental principle of all that morally decent law which was presented as implicit in both the U.S. 1776 Declaration of Independence, and as affirmed in principle in the Preamble of the U.S. Federal Constitution.

On this account, because of the corrupting influences of British imperial "behaviorist" and related immorality, as experienced since the "age of (typically Liberal) depravity" associated with the name of whiggish (and some would say, "piggish") Prime Minister Walpole and the fraudulent South Sea Island and related, financial-derivatives-like frauds of that time, we must now emphasize the following.

We must emphasize that the rights of the living human individual, pertain to those aspects of his or her existence which are defined, in functional terms of benefits to society, in the continuing role of the existing individual personality, *even when the person is deceased*. This course of action must be executed to such effect, that the contributions of useful inventions and the shaping of advances in culture contributed as dis-

coveries, or enhancements contributed by individual persons, live on, as a special class of ideas, in an efficient way, that within the accumulated foundations of society, even after the personality who made such a contribution, is deceased. This is to emphasize those rights and powers of the human personality, which are absent in the beasts, are human rights, which inhere, as in the sometimes theological concept of a *simultaneity of eternity*, as the essential immortality of the human individual member of the Noösphere, as a quality of existence functionally distinct from merely that which the once living mortal body of that now deceased person had inhabited while alive.²

This point is illustrated by pointing out, that while great thinkers and others have made unique contributions to the valid discovery of one or more principles, the possibility of such achievements is not rooted in some isolable feature of the individual as such, but in an implicitly, immortally continuing process of development of what is conveniently named human culture, a process in which the unique acts of participation within a process of development, can be more or less readily traced, as in the case of modern European science, from the legacy of the *Sphaerics* of the Pythagoreans and Plato, and their now-ancient followers of that continuing intellectual current, through the resurgence of that legacy by such as Dante Alighieri and by the followers of the contributions of the Fifteenth-century, Florentine-based Renaissance of that Cardinal Nicholas of Cusa who has served as the marker of all competent physical science in European culture's history since that time.

This notion, of rejecting any merely kinematic notion of cause and effect, in favor of an immortal continuity of a process of forward-moving creative devel-



The discovery of valid scientific principles is made possible by a continuing process of development of human culture, exemplified by Dante's legacy in the Fifteenth-Century Golden Renaissance.

opment of both mankind and of our universe, development as a dynamic process, defines a process thus subsuming the still living, continuously recreated benefits of the works of true genius over the span of centuries and millennia.

This view locates the individual creative mind as implicitly an integral part of a continuing, virtually immortal, creative process. In the course of such a dynamic mode of the creative process, the uniquely sovereign impetus of discoveries unique to the creative individual personality, exemplifies the distinction of the immortality of the human creative person-

ality from the life of the beasts. This distinction is demonstrated for any developed mind which has grasped the true meaning of that principle of dynamics which subsumes, categorically, all true human progress as located within the indispensably defining relationship of true science and Classical artistic composition and performance.

That emphasis is essential as an alternative to what have become the widespread, depraved contemporary intellectual trends of today. This is to be emphasized out of respect for the fact of the spread of that influence of behaviorism and the related cults of existentialism, which have denied the right to life, as this has been done in a savage fashion, under current, Nazi-like, British (e.g., Tony Blair) so-called behaviorist health-care and related law: a depravity which inheres in indifference to the sacred nature of the living human personality. The implicitly criminal, even frankly Satanic application of "culling the human herd," a practice intrinsic to both Nazi and British behaviorist ideology, requires us to crack down with whatever force is required from us, to defend that intellectual right to human life, rather than tolerating the depraved, virtually bestial kind of individual life of the existentialist, a depravity which offends an inherently sacred right of the human personality under all decent man-made law.

The deeper quality of such essential implications is assigned as the subject of the opening chapter of the main body of this present report.

2. Notably, this argument in the matter of principle is appropriately recognized as an implication of the concept of a "Type 'B'" personality which I treat in the course of my "The Science of Physical Economy" (*Executive Intelligence Review*, September 18, 2009, Vol. 36, No. 36, www.larouchepub.com).



The combined efforts of the Mayflower compact and the founding of the Massachusetts Bay Colony, led by the Winthrops and Mathers, established a settlement containing the explicitly definable seeds of the later U.S. Declaration of Independence. Shown: John Winthrop (1588-1649); the arrival of the Mayflower at Massachusetts (1629).

So, it follows, that we must resume the urgent task, on behalf of all past, present, and future humanity: to liberate mankind from the confines and vicissitudes inherent in a perpetual captivity within the prison-like bounds of our present home planet. We must free humanity to dwell in that simultaneity of a physically relativistic eternity, a future condition which is to be recognized by us as a created, relativistic physical space-time, among the constellations of our universe: as beings whose profession is that of man and woman in the likeness and service of the Creator, must do.

I. Human Creativity and History

When that great intellect of the Fifteenth-century Renaissance, the founder of the competent currents of modern European science, Cardinal Nicholas of Cusa, had perceived, that the excellent work of the great ecumenical Council of Florence was grievously and systematically menaced by the persistence of the imperial, oligarchical cultural heritages of Europe, he had therefore proposed, that those with devotion to the actual accomplishments of European civilization, seek contact with people of continents across the great oceans, to build, there, the foundations for a future order of the affairs of humanity which would be built up, freed from

the clutches of European oligarchical traditions, built up, so, in places, across oceans, where civilization might be freed from the oligarchical pollution then menacing humanity in Europe, throughout our planet as a whole.

The mission of these pioneers was not to escape European culture, but to preserve and enrich it, for the benefit of all mankind, in spite of Europe's corruption by its oligarchy. So, the time has now come, that we must now supersede the mission adopted by Christopher Columbus, as did some pioneers of space-travel who compared their mission to that of Columbus. For them, as for us today, the proximate goal of our endless mission, is the development of colonization on the most suitable nearby planet, Mars.

That mission to Mars, is more important for what it requires of us, than its immediate gains. This is because, as some leading pioneers of the space program emphasized, whatever benefits such a success portends in the immediate future of those pioneers themselves, its greatest achievement for mankind will be that this consideration compels us to develop ourselves as we would never attempt such an achievement without devotion to the challenge of such a mission.

Thus, in order to provide a mode for actually human return flights between Earth and Mars, we must achieve the mastery of thermonuclear fusion as the only pres-

ently conceived means for achieving those accelerated rates of flight between the two planets which deliver the passengers and crew within the relatively brief lapse of time of travel, which is required to assure the arrival of the crew and passengers still in the condition of normal and healthy human beings. There are many more scientific challenges of comparable importance in the venture as a whole; but, those are to be regarded as the challenges which are needed to bring the best out of us as a human species.

That is the essential, subsuming distinction of the cultural tradition of the founders of the American System of political-economy, since the arrival of the *Mayflower* and the *Winthrops* and *Mathers*, a great enterprise rooted in the devotion to the same cause as that of the principal founder of all competent strains of modern European science, *Nicholas of Cusa*.

This explicit intention of a then deceased *Nicholas of Cusa* was adopted, approximately A.D. 1480, as a mission, by the great navigator *Christopher Columbus*, a *Columbus* who acted so on the authorities of both his accomplishments as a navigator within the Atlantic region, and by the counsel of the surviving companions of a leading founder of all competent modern European science, *Cardinal Nicholas of Cusa*.

The continuing influence of such oligarchical pollution as that, first by the *Habsburg* imperial dynasty, and, then, its British successor among the followers of *Paolo Sarpi*, had been combined, in effect, with the ongoing religious warfare of the 1492-1648 interval. This oligarchical corruption of modern European civilization, had spoiled much of the colonization of the central and southern region of the continent of the Americas.

Thus, as if by that default in the Iberian effort of the *Habsburg*-polluted influences upon the Sixteenth and Seventeenth centuries and beyond, the combined efforts of the *Mayflower* compact and the founding of the *Massachusetts Bay Colony* led by the *Winthrops* and *Mathers*, established a settlement containing the explicitly definable seeds of the later U.S. Declaration of Independence. With that came the historical factor of the unique system of American economy, and the *Federal Constitution*, as a new nation, carrying all that was good which they could find in past and present of that time's culture of Europe, but also freed of those oligarchical legacies of monetarist empires which continue to pollute the history of the world to the presently ruinous days.

In the course of time, the great pilot accomplish-

ments of the New England society, into 1687, had been greatly spoiled for a time, again, from 1688-89 on, by the advent of the depraved and rapacious forms of oppression imposed by the reigns of *James II* and the Anglo-Dutch reign of *William and Mary*. Nonetheless, the legacy of the pre-1688 New England of the *Winthrops* and *Mathers*, was resumed by the sponsors and followers of the leadership shown by a *Benjamin Franklin* who became the principal agent of the effort to combine the best of European culture of *Gottfried Leibniz*, with the building up of a new form of republic in what became our United States. From the beginnings of the New England colony, to the present-day continuation of the intention expressed by the *Federal Constitution* of the United States, the constitutional principle on which the U.S. republic is founded, is the principle of a credit-system, in opposition to the intrinsically oligarchical monetarist imperialism typical of Europe, still to the present day.

Thus, the world since that time, to the present day, has orbited around the essentially systemic conflict between two English-language cultures, one dominated presently by the oligarchical system of the British empire under the legacy of the February 1763 Peace of Paris, and by the consequent leadership of the private empire known as the *British East India Company* of *Lord Shelburne*, and of *Shelburne's* lackeys such as the depraved *Adam Smith* and *Jeremy Bentham*, and by the global, imperialist tradition, which they continue to represent as their legacy, to the present day.

So, the United States, under the leading influence of the current which came to be expressed by *Benjamin Franklin*, became what became known as "the great melting-pot," wherein the cultures carried from Europe into North America shared their best from European culture, but a culture essentially freed from the foul taint of the modern form of Venetian-directed financier-oligarchical imperialism which came to be centered in the role of London as the central point of reference of a Venetian style of monetarist imperialism, an imperial interest operating in deadly hatred of the anti-monetarist characteristics of the North American republic.

Nevertheless, the relatively great power embodied in the Anglo-Venetian monetarist tyranny over continental Europe, was enabled thereby to insert the evil kernel of the *British East India Company* into forming a treasonous nest assembled around the American Tories of the *Hartford Convention*, a nest full of the followers and cronies of British agent and de facto traitor

Aaron Burr of the Bank of Manhattan, which were assembled to be what has become the power associated with the notorious "Wall Street" as a powerfully treasonous influence inside our United States. All of the known assassinations of Presidents of the United States, have been done in strategic service of that interest of the Anglo-Venetian, monetarist imperialism also expressed in the existence of what is commonly identified as that monetarist cesspool of evil known as "Wall Street."

If the planet is to be rescued from the global, planet-wide, new dark age now coming down upon the planet as a whole, that imperial monetarist form now called "globalism," must be expelled from its over-reaching power among the affairs of the nations of this planet.

The time has come, now, at which either the model of the U.S. notion of the sovereignty of national, patriotic credit-systems shall be the keystone of a system of respectively sovereign national cultures which shall jointly rule this planet in a state of equity, or else the world as a whole will now continue its currently accelerating plunge into the direction of Hell itself, a Hellish, planet-wide "New Dark Age," which a continuation of the Anglo-Dutch Liberal form of reign by traditionally predatory Venetian monetarism, would ensure.

"A certain man had a dream, last night, that the U.S. Senate had voted up a bill which decreed that the Earth is flat. Denial of that conclusion was judged to be sufficient cause for execution of the defendant. In that dream, the members then arose from their seats to cheer the President of the republic who had proposed this reform. Next week, the House is expected to rule that people are edible; population control will have been achieved."

The situation of a presently onrushing, general economic breakdown-crisis of our entire planet, requires that we re-examine what had been known to us, or should have been known, respecting the principles of civilization operating even prior to certain crucial discoveries which were made during the entire sweep of the Nineteenth and Twentieth centuries, as from a time beginning with the work in the footsteps of Carl Gauss and Bernhard Riemann, by such as the scientists Max Planck and Albert Einstein, and in the great discoveries which took over much of the entire Twentieth Century's

science through the influence of the work of that most celebrated Academician V.I. Vernadsky, especially his crucial work in defining the categorically systemic distinctions among the principled domains of the Lithosphere, Biosphere, and Noösphere.³

On this account, it is of crucially specific importance for any competent attempts at policy-shaping of our United States today, to consider the example of the Massachusetts Bay Colony, in its role until the point in time of the repression it suffered under both James II and William III (of "Orange"). The legacy of the leading families of that Colony, the Winthrops and Mathers, the legacy as transmitted to Benjamin Franklin, typifies that fruit of that intention of both Cusa and Christopher Columbus, which became the systemic division, from 1763 onward, between the patriotic English-speakers of what became the United States, and the opposing system of imperial tyranny associated with the identity of the specifically British empire which had been first established, on behalf of the Anglo-Dutch British East India Company, by the February 1763 Peace of Paris. What this involved was not a merely frictional conflict, but a deep division in a matter of great principle, between the British empire and our patriots, which developed between 1763 and what emerged later as the Declaration of Independence and still later the Federal Constitution.

To know the ground on which destiny will now be played out, there must be a clear understanding of our republic as being an outcome of that deeper part of European history which had emerged as the maritime culture of those currents of Classical Greece which are to be associated with our memory of the Pythagoreans and Plato.

For that purpose, we must focus on that characteristic division within ancient Greek history celebrated by

3. It is important, today, to revisit the work of Planck and his friend Wolfgang Koehler from the later vantage-point of Vernadsky's categorical distinction of Noösphere from Biosphere. The categorical distinction of the *noëtic* cognitive powers specific to the human individual, from the "mentality of apes," acknowledges anti-entropic, biological creativity in the specific as well as varietal advances in animal and plant species, but willful forms of specifically, systemically anti-entropic, human creativity, are uniquely specific to the human individual. In other words, the universe as a whole is pervasively anti-entropic, but only the human individual is specifically capable of exerting anti-entropic changes in the system of nature by means of a conscious, *noëtic* act of will. The implications for science today, of the relationships among Planck and Koehler, and of Planck with Einstein, and the implications of the convergence of Einstein and Vernadsky are being pursued, in international collaborative efforts, by Sky Shields and others among "the basement crew."



PRNewsFoto/Elliott Landy

From the ranks of the first generation born after the death of President Franklin Roosevelt, emerged an anarchoid existentialist movement, the so-called “New Left,” or “68ers,” as seen in this photo of the dionysian Woodstock orgy of August 1969.

the playwright Aeschylus’ Prometheus Trilogy, between those whose cultural tradition is rooted in the creativity associated with the names of Archytas, Socrates, and Plato, who breathed the fire of human creativity, against those opponents typified by Aeschylus’ image of the suppression of scientific progress by the evil Zeus and his oligarchical tyranny. Such, precisely, is the historical root of the essential difference between the parallel case of the American English-speaker and the British (or, brutish) oligarchical imperialist tradition of “globalization” still today.

The difference between the typical American who has developed as a knowledgeable patriot, and “the typical Brit,” is variously expressed and concealed by the contrasting implications of their respective uses of the term “tradition,” the difference between the developed U.S. citizen’s soul, which is driven by a commitment to scientific and related progress in the future conditions of life, and the British yearning, like that of the legendary Olympian Zeus and his courtly crew, for the dead heirlooms of a past which had actually never existed. As a wit might put the point: “the Americans crossed the Atlantic; whereas, the British imperial monarchy double-crossed it.”

It is of crucial importance, that today’s new leaders of our republican society, must have arisen up and out of the muck-and-mire of what have become the increas-

ingly depraved cultural trends, in trans-Atlantic society since the post-World War II resurgence of that influence of both the British oligarchy and its Wall Street lackeys, that as a moral and intellectual decadence which is expressed as the anti-Roosevelt reaction following the death of that great President Franklin Roosevelt.

It was, most notably, a certain, distilled stratum of the first generation born following the death of President Franklin Roosevelt, which was swept up, during its adolescence and beyond, into that post-John F. Kennedy, anarchoid, existentialist fascism of the so-called “New Left” which erupted with full, fascist force across the United States and Europe in Spring 1968; but, it was the influence of the existentialists typified by the rise of the degenerates of the exist-

tentialist movement, such as former Nazi Party convert Martin Heidegger and his friends Hannah Arendt and Theodore Adorno, as they were fostered in the post-war period by the European Congress for Cultural Freedom (CCF), which supplied that cultural depravity which the proto-fascist young movement of the “68ers” was to have imbibed.⁴

With the triumphal insolence of those political beneficiaries of the murder of President John Kennedy, who were thus freed to unleash the ruin of the United States in Vietnam, as in the promotion of a war in Afghanistan now, there was a sweeping mood of post-1945 pessimism throughout the Americas and Europe. This paradigm-shift was seized upon among the residue left by the Churchill-Truman-led campaign to attempt to eradicate every semblance of the policies of President Franklin Roosevelt from the affairs of both the internal United States, and, most emphatically, post-Roosevelt global perspectives.

After the assassination of President Kennedy, a new generation of youngsters which are to be associated

4. Typical of the evil of the German and French existentialist movements of the 1920s through 1930s, is the influence of not only the sometime Nazi Martin Heidegger, but also the role of his 1930s Frankfurt School associates, Hannah Arendt and Theodor Adorno, in the setting of the publication of the swindle known as the dogma of **The Authoritarian Personality**.

with a memory of the 1950s' pretensions of middle-class supremacy, and a family's security clearances to match, came boiling to the surface in the ferment which followed President Kennedy's assassination. They asserted a new form of existentialist mood, at first timidly, and, then with greater and greater insolence, on both sides of the Atlantic, en route to their violent eruptions of existentialist frenzy during the Spring of 1968, and, soon after that, the emergence from those youthful ranks of the anti-science, "anti-blue collar," neo-malthusian rabble, from the "Sun Day" ferment of 1970, on.

The residue of the normal work-going, post-war adult generation, was stunned with astonishment, by what had been an already ongoing moral and intellectual depravity welling up among the relatively privileged portion of their own children's generation, especially those among that youth generation typified by the relatively more privileged, university strata, during the 1960s. The "dragon's teeth" had sprouted! What was, in fact, a rebirth of fascist mass-ferment, as typified in the U.S.A. by the "68ers" Weatherman cult of that time, was on the march again.

The British oligarchy was mightily pleased. Britain's current revival of Adolf Hitler's "Tiergarten Vier" first step to mass-murder, both in Britain now and its lackeys inside the U.S. Obama government's IMAC scheme today, is exemplified, in fact and clear intention, by the case of the eminently evil and lying former Prime Minister Tony Blair, a child of Satan who has the inevitable, mass murderous, lying insolence to call himself, in the envied likeness of the evil Grand Inquisitor, "a Christian."

This neo-Malthusian neo-fascism, sprung from the trans-Atlantic ranks of the so-called "Sixty-Eighters," typifies the intention of the British imperial ruling oligarchy of today. That neo-Malthusian, Hitler-echoing trend in "health-care" and matching "green" policy, as in today's U.S. Government today, is the great immediate threat to all humanity, the threat to the very essence of what might be honestly defined as civilization, especially its threat against the civilization of the United States' Constitution, throughout the world today.

Therefore, the leading task before all sane and moral people of this planet, is the eradication of that greatest of all existing threats to humanity, world-wide, typified by the British monetarist empire of today.

It is indispensable, of course, that that form of moral corruption in high places be defeated, that in a thor-

ough-going manner, now. But that, if considered alone, however necessary, is not sufficient in and of itself.

The misery which these neo-malthusian and related policies of practice, have wreaked upon the majority of the citizens of our own and other nations, world-wide, since 1968, until today, demands a fundamental, and also rapid change in direction of expressed trends in physical economy, world-wide, now. This fact is complemented by the urgency of unleashing a highly energized practice of growth of the physical economy of each nation, that done by means of commitment to accelerated rates of scientific progress in the condition of basic economic infrastructure and the progress of production in agriculture, manufacturing, and machine-tool design, world-wide, now.

The fact is, that the world as a whole has been the victim of a general trend downward in the potential for maintaining even the existing level of population of the world as a whole, and of each among all nations. This condition has developed most conspicuously, and at a generally accelerating rate of net attrition, since the crash in maintenance of existing levels of even basic economic infrastructure, as in the U.S.A. itself, since about 1967-1968.

That moral and economic decline now rampant, must be considered now in the light of two savagely self-destructive trends in prevalent opinion, even among the matured upper political-influentials of the U.S.A. and Europe today.

Knowing Real History

What has been presented here thus far, brings our attention to the most crucial roots of the defining conflicts within European civilization and its legacies, as traced to the present U.S. and global crisis of the presently perilous moment in the broad sweep of humanity up to the present instant. This matter is, as I shall now illustrate as follows, no deviation from the urgent practical task of rescuing an endangered world civilization now.

To understand both the best and worst of European civilization, in particular, it is important, culturally and strategically, to emphasize a certain change in the dominant culture of the region surrounding the Mediterranean Sea, which emerged historically with the decline and fall of the Asian Achaemenid empire's attempts to overrun the littoral and seas of the Mediterranean region. Whereas, the tendency of the Mediterranean littoral's dominant maritime culture, which was based



“All competent history, and all competent strategy, exist essentially within the domain of the long historical process in the development of ideas, a process which continues endlessly, even to future colonies among parts of this galaxy, as the chief influence on the behavior of both individual persons, in nations, and among nations, today.”

Shown: A cave painting in Lascaux, France, ca. 14,000 B.C.

in the cooperation of Egypt, Ionia, and the Etruscans, against the Mediterranean’s predatory Tyre, was complemented by the role of the inserted Cult of Delphi, a Delphi oracle which implanted those relatively fatal seeds of corruption which had led into the tragedy of the Peloponnesian War.

In particular, the combination of the Apollo-Dionysus cult based in Delphi, and Delphi’s associated monetarist interests, represents the background for that Peloponnesian War, through which so-called Greek culture suffered a great strategic and moral decline. Despite that, a still potent, but not homogeneous force, remained, within Greek and Egyptian cultures, as a continuing legacy which contributed greatly to the dominant influence of the remnants of Classical Greek culture expressed within what virtually all of the leading accomplishments of European maritime culture have expressed within globally extended European civilization, until now.

The immediate outcome of the aftermath of that folly known as the Peloponnesian War, was the development in the Mediterranean littoral, of what was explicitly defined, formally, as based on what was stipulated as *an oligarchical principle* expressed in the form of what has been a predominantly Mediterranean maritime culture since that time. I mean a legacy of European culture permeated with maritime-cultural roots, even deep inland, still today.

The conflict between what had been, on the one side, the culture centered on the legacy of Thales, the Pythagoreans, Socrates, and Plato, and, on the opposing side, the Delphi cult’s anti-scientific-progress cult of Aristotle and Euclid, has been the most stubbornly persistent source of the conflicts within globally extended European civilization, since the period of the Plato versus Aristotle conflict, up through the present day.

The Corruption!

This means, in political and related practice, that a person fit to be called an historian, is one whose approach to comprehension of the meaning of present-day conflicts is rooted in not much less than six thousand years of the relatively better known cultural characteristics of human political-cultural development, as contrasted with those mere anecdotalists who are essentially chroniclers, or accountants, rather than actually historians.

It is the practice of law, by those who are illiterates in the matter of a competent practice of history, rather than a patchwork of chronicled anecdotes, which is among the principal sources of evil in respect of law, even so-called “constitutional law,” among putatively civilized nations today.

The competent historian is essentially an epistemologist whose approach to any portion of history being considered, provides the indispensable moral standard



Lyndon B. Johnson Library



National Archives

Gen. Douglas MacArthur (right) warned President Kennedy against a land war in Asia. But his “terrorized successor,” Lyndon Johnson, capitulated to the “Gulf of Tonkin” fraud. An unhappy LBJ is shown here, signing the Gulf of Tonkin Resolution, August 1964.

for the study and telling of history, as that history of ideas which can not be efficiently understood except by aid of the labor of an epistemologist who treats ideas, not as isolatable phenomena, as if virtually born, *de novo*, only yesterday, or in anecdotes told by some grandfathers to their descendants; but, history as having a certain kind of evolving immortal life of its own, in an eternal history of the development of ideas. Within that setting, we should encounter the forces which control the conditions of a mental life within whose self-evolving bounds, the continuing actual histories of societies and their conflicts are shaped by the willful actions of mankind.

All competent history, and all competent strategy, exist essentially within the domain of the long historical process in the development of ideas, a process which continues endlessly, even to future colonies among parts of this galaxy, as the chief influence on the behavior of both individual persons, in nations, and among nations, today.

The teacher who says to students: “Today, we shall learn the following, for which you will be responsible in the test tomorrow,” is a sophist, not one prepared to confront the class with a serious treatment of actual ideas. Take away such a teacher’s pack of besmudged index-cards and textbooks, and he may be suddenly rendered a babbling and utterly confused fool, like the

caught-out, fictional Wizard of Oz.

So, as we are confronted by a great, menacing, global crisis for all humanity now, the essential requirement of leadership is that the would-be leader, at any level of leadership in society, must live in a sense of currently ongoing vital history, as I have summarily described that just now. If we do not know how what are foolishly considered to be our presently firm opinions, were formed, since ancient Rome, we know really little to nothing about ourselves, and are, therefore, likely prey for any charlatan who dumps some heap of hastily made-up, silly popularized sophistry upon us.

To illustrate that point, consider the following argument by me, which should be repeated in advising those who are confronted with the misguided policies of General David Petraeus and his associate General Stanley McChrystal.

Afghanistan, for Example

Consider the principal habit of military folly into which the U.S.A. has fallen, repeatedly, since the death of President Franklin Roosevelt, when it has been lured, since the death of President Franklin Roosevelt, as by British influence, into ruinous, unnecessary, and prolonged land wars in Asia. The Iago-like ruse employed by British circles devoted to a long-range perspective of bringing our nation down, is to convince the U.S.

government that it must engage in what should be foreseeable as yet another, long, wasting, ultimately worse than useless war in Asia. The essential bit of folly in all of these instances, has been the perfectly stupid belief among many of those U.S. military officials, for example, who lacked the sense which Generals of the Armies MacArthur and Eisenhower expressed in warning President Kennedy against yet another counterproductive land-war in Asia. Then, the President Kennedy who blocked the launching of that war, was killed, and that President's terrorized successor submitted to the "Gulf of Tonkin" fraud. So, the mightiest nation of this planet, was induced to become self-destroyed.

The present folly of President Barack Obama in the Southwest Asia cockpit, is typical of Presidents duped by Generals whose ill-thought out propensity for warfare leads many misguided nations into those traps of protracted land wars in Asia. A British initiative, as in the region of west Asia, is typical of the way in which a trap for credulous Americans is baited, again, and again, and yet again.

The point of my presenting such special topics at this time, here, is that, frequently, in such cases, the root of the folly of the relevant government officials of the United States, was their lack of an informed good sense of real history. That specific type of intellectual and moral weakness among us, when exploited by our republic's principal, permanent enemy, the British Empire, has been expressed by the often amazing display of sheer stupidity, or worse, among those of our leaders who have no actually competent sense of the proper meaning of the word "history."

That is the type of potentially fatal stupidity among our nation's incumbent leaders, which must be exposed as the chief source of the danger which is caused, essentially, by our own leading circles' habitual ignorance of a real knowledge of even the nature of the subject of a study of actual history. Such leaders, who are often very skilled in many other important respects, are about as clever, in matters of historical strategy, as the gaping citizen who has his pocket picked by the nearby pimp or prostitute (not necessarily a British one), while the half-naked entertainer wriggles on stage.

That is what I have been at some pains to clarify here at this point in my presentation. The true art of conquest, lies not in winning wars, but in pre-shaping their causes and outcome. The typical dupe is like the man who leaves work on payday, but stops at a familiar drinking and gambling place on his way home to the blessings of

another week of poverty in his family household. That is where the British empire has usually been smarter than those powers which turn out to be its victims, at the close of the game played, each week, on the way back home. So, on this account, a discharged Chancellor Bismarck warned a foolish German command, that the next war, which would be organized by Britain, would be "new

The leading task before all sane and moral people of this planet, is the eradication of that greatest of all existing threats to humanity, world-wide, typified by the British monetarist empire of today.

Seven Years War." So, Franklin Roosevelt led the winning of his unavoidable war, but silly Harry Truman and his cronies lost it, as if on the way home, as if to some colony of the British empire, later.

As is shown by the history of Southwest Asia since the close of World War I, even at the time that the British empire was deploying its puppet organization, the "Young Turk" organization, for the subsequent British attempt at takeover of the Ottoman empire—but for Ataturk, the entire history of the so-called Middle East and much of larger Southwest Asia besides, has been the playing of the game of Sykes-Picot, where Arab and Israeli puppets kill one another, on British instructions, chiefly for the purpose of the convenience and amusement of the British Empire, each contestant, like gladiators, dying for public amusement, in an arena: that on almost any, and virtually all days, since the time of the close of World War II.

The warfare in Afghanistan is no exception to this British rule.

The British, as usual, since the 1790s, run the great portion of that world-wide traffic in narcotics, a traffic which is used, still today, not only for great profit of the empire itself, but also to degrade the minds and bodies of virtually entire, targeted nations, as this was done to China in the Nineteenth Century. That continues to be the case to the present day, throughout the world.

The case of the current U.S. operations in Afghanistan is very much a case in point. While the British control the production of opium in their assigned military territory in Afghanistan, the duped American officials



NASA

The introduction of technologies of a higher net energy-flux density, per capita and per square kilometer, even if delivered beyond planet Earth, will have the effect of raising the level of productivity, and available standard of living (negentropically), of present and future inhabitants of Earth itself. Here, an artist's conception of living quarters on Mars, plus a greenhouse and pressurized work facility.

and others are sucked into the trap of the warfare into which they have been lured, that, in part, for the profit of the British empire, but, more significantly, the bleeding of London's most hated rival, our United States, a United States which has been bleeding itself over a half a century, all for the ultimate victory of Britain over the United States, in land wars in Asia. Meanwhile, important, but nonetheless silly leading and other Americans, consider the British empire "our nearest and dearest ally."

And, yet, you still insist that you understand history—or, economics!

Who, therefore, should we fight?

II. Victory Is Awaiting You On Mars

Unlike the beasts, who inhabit the Biosphere, healthy specimens of human beings are distinguished from the lower orders of life inhabiting the Biosphere, by the possession of that quality of creativity (as distinct from mere "cleverness") unique to members of the

human species.

In the related matter of intelligence, the meaning of human life is to be found, not in one's past achievements, but, rather, in one's presently proper place in the future of mankind.

Take as a real-life example of what I intend to convey by that:

Some decades ago, when I was practicing a bit of counter-intelligence on the subject of frequent instances of relatively poor performance by a considerable percentile of consultants with the relatively highest scores in higher education, I crafted a written test, which I complemented with other relevant facts of the cases. I believe that the term best employed to summarize the result, is "Bingo!"

A relatively high percentile of those with the most impressive backgrounds, "on paper," showed the relatively poorest performance when presented with a mission whose task-orientation was uncovering what had appeared to be a stubborn problem of the type depicted in

Edgar Allan Poe's "The Purloined Letter."

I gained some important personal advantages in the effort of dealing with the presence of that sort of mystery.

My focus, at that time I conducted the just-described investigations, was brought more clearly to my attention a bit later, as Dr. Lawrence Kubie's study of the performance failures among successful graduates in higher ranking academic performers, during their later post-graduate years.⁵ This played a significant role in prompting my later, deeper insight into this class of failed professionals with outstanding records for apparent qualifications. The image was of highly-educated fish who therefore drowned when thrown into the water.

In later years, and decades, too, I returned again and again to being confronted by this same form of intellectual failures of the ostensibly superbly qualified (on paper, or on general reputation), when it was made in-

5. Lawrence S. Kubie, **The Neurotic Distortion of the Creative Process** (New York: The Noonday Press, 1961; reprint of 1958 University of Kansas Press edition).

creasingly clear to me, that the performance failures “in the field” of consulting and comparable practice, were a result of precisely those putative academic, or comparable advantages which had produced the paper-evidence of excellence. The fact of the matter was, that they had trained so hard to appear to succeed, that this very orientation toward the substitution of appearance for actuality, had become the source of their failures under “field combat” conditions. Kubie’s early 1960s *Daedalus* paper⁶ on the subject of what he had earlier identified as the neurotic distortion of the creative process, showed that his treatment of the problem of neurosis broadly, also fit the specific matter of performance failures within the particular domain of scientific creativity.

This phenomenon of the frequent failure of the successful graduate, is legendary, but is usually poorly understood scientifically. The popular, widespread mis-use of the term “practical” among the envious, blames the evils of pedantry on pompous ass and great scientist, alike.

On this account, we can not overlook the role of the post-World War II substitution of the “massiversity” for what had been earlier pre-World War standards of university education in fields of Classics and science. Giant-lecture-hall teaching, and drill-field designs imported to seating in lecture-hall-sized classrooms, fostered such results. “Getting a-head,” rather than actually developing one, tended to replace the pleasure of experiencing creativity in oneself as the motivating factor in educational and comparable experiences. The ration of outright frauds among putatively leading professionals, in and outside academic life today, is very, very large, and has increased at great speed since the adulthood of the academically processed “68ers” and their current harvests of new generations of Laputan-



Office of War Information/Alfred T. Palmer

At the close of World War II, under FDR’s leadership, the United States had achieved a level of physical productivity beyond all historical precedents. The shutting down of that potential, beginning with President Truman, has resulted in today’s profound economic crisis. Shown: A B-25 bomber assembly plant in Kansas City, Kansas, early 1940s.

like dupes.

The types of failures which I have broadly outlined in the several preceding paragraphs here, were not as much intellectual failures in the formal academic or related sense, as they were moral failures.

That much said on this particular subject thus far, apply the same form of disorder to the case of the person whose motive in life is “to get ahead” socially and financially, rather than as might be measured in terms of the net mortal outcome measured in benefits to humanity of a mortal human life approaching its termination.

Upward, Through Space

Keep in view the hypothetical case of our preparations for man’s launching our future round-trips between Earth-orbit and Mars-orbit. This may appear to some people, to be akin to a spectator’s preparing himself to cheer loudly at next year’s big sporting event. The fact is, that whenever we introduce the use of those technologies by mankind, the which are of a higher net energy-flux density per capita and per square kilometer, even if the product of that effort is delivered to some

6. Cf. Lawrence S. Kubie, “The Fostering of Scientific Creativity,” *Daedalus*, Spring 1962.

place outside our planet Earth, the included effect is to raise the level of productivity, and available standard of living (negentropically), of the population for the present and future inhabitants of Earth itself.

We had a comparable experience in the U.S.A. during World War II. The war required us to upgrade the level of physical productivity inside the U.S.A., per capita and per square kilometer. At the close of the war, we had thus achieved a level of physical productivity beyond all precedents then immediately in view. The problem was, when the war had ended, that, under President Truman, we cut back, even destroyed, much of that potential, and that quickly. That war-time gain had been much less in costly products produced for the war-effort, but in what we would have been enabled to do during the post-war decades, if we had not shut down, or hidden, so much of that knowledge of high-technology productive potential as increased productive output and higher rates of growth, as could have been measured in per capita and per square-kilometer terms through reinvestment, after the war's end.

The fact was, that a continuation of President Franklin Roosevelt's policy, after the war, would have eliminated the imperialist power of the British empire through liberation of what the British ruling oligarchy regarded as "its empire," as Winston Churchill had made exactly that point during the war-time. As soon as President Franklin Roosevelt was dead, Truman and Churchill acted in concert with President Roosevelt's war-time adversary, John Maynard Keynes, to shut down President Roosevelt's intended post-war, anti-imperialist reforms.

The anticipated interjection at this point would be, "But, we had to keep our military secrets from the Soviet Union!" Bunk: *until Truman and the infinitely evil Bertrand Russell superseded the deceased President Franklin Roosevelt, there was no security threat from the Soviet Union!* We of the United States held the great power of the world in our hands, at that point, and, chiefly, apart from those Anglo-Dutch interests, which had, in fact, put Benito Mussolini and Adolf Hitler into power, before the British realized, in 1940, that they had some serious reasons to regret the outcome of their role in launching Hitler in the first place.

With the post-World War II British habit of ruining the U.S.A. as much as possible through the division of Germany into warring entities, and the perpetual launching of new, prolonged "land wars in Asia," the British empire regained its world power, at American expense,

through inducing us to ruin ourselves by starting wars which we had already, honestly and fairly won. We, ourselves, thus created, under British orders, the new wars which we had already won, by making the new enemies who had just previously wished to consider themselves our partners in building a post-imperialist world order.

It was not only the more obvious British influences which induced us to create new enemies. As in the case of the Soviet Union after the death of Franklin Roosevelt admirer Stalin, Nikita Khrushchev cut an agreement with the Bertrand Russell who had been the public proponent of a "preventive nuclear attack" on the Soviet Union for the avowed purpose of creating "world government." My experience with both Yuri Andropov and Gorbachev during the 1980s, was similar. Contrary to such persons, much of the gut of the Soviet Union's post-war development depended upon the role of the Academy of Sciences of figures best typified by the legacy of Academician V.I. Vernadsky.

There is science, not mere speculation in my remarks at this juncture. I speak as follows:

Both in the time of the great Archytas and Plato, when the principle of *dynamis* had reigned in science and the statecraft of the Platonic Academy, and, later, with the identification of the principle of *dynamics* by Gottfried Leibniz, as during his work of the 1690s, the principled organization of societies is located, as Percy Bysshe Shelley emphasized in the conclusion of his **A Defence of Poetry**, in the principled composition of societies, and of what passes for the mysterious power of so-called "public opinion"—as distinct from "pubic opinion"—among a people, during the reign of a specific quality of culture, which is shaped by such forces as either Classical artistic culture and science in the Platonic tradition, or the depravities of the Apollo-Dionysus tradition.

Thus, as Shelley emphasized the notion of the dynamic of a "great people" of a certain culture and its time, it is the direction we supply to society's development, which tends to sweep up the passions of a people in such a way as to cause them to serve the cause of greatness, or evil. It is the management of those trends in passions, on which the true great statesmen and poets rely, to shape the higher body of dynamic willfulness of a society. Thus, great statesmen are sometimes capable of making allies out of enemies, or, as Churchill and his dupe Truman did, enemies out of allies.

So, the British empire seeks to destroy us, not by



“Man’s truly principled actions on behalf of mankind, must necessarily reach far beyond the span of mortality of the individual person.” This is the vision of mankind shared by truly creative minds, such as the Apostle Paul (left, painting by Rembrandt, 1629-30), or Philo of Alexandria (right).

meaning of the human being’s sense of the intrinsic worth of a life being lived. It is the difference between looking at yourself as cattle which hope to be better fed, and not being cattle.

As each of you becomes older, each day of passing years, the important question is, especially near the end of life, as the point was made in an Abner Dean cartoon from an edition of **The New Yorker**, decades ago: “What was that all about?”

making direct warfare upon our territory, but by corrupting us, by inducing us to make ourselves silly and weak, through the influence of what fools consider our “nearest and dearest, oldest” ally, that British empire which has now, finally, nearly succeeded in causing us to destroy ourselves.

The fresh arousal of the commitment to a high priority on a Moon-Mars project directive, is the potentially greatest force for goodness in peoples today.

So, a comparable example of resistance to the British use of its American assets, is found in the history of pioneering in the United States, both in agriculture and in great works of basic economic infrastructure. The U.S. under Presidents Lincoln and Grant, as Franklin Roosevelt later, are paragons on this account.

The improvements in productivity and wealth which the individual may create, are an expression of the essential difference between the person and beasts, and thus shape the moral character of the relevant nation. Then, there is a contrary policy, and with that, its specific moral effect.

I am not “preaching incentives” here. It is not the reward sought by the prompting use of incentives, but the benefit to society, which is the relevant human, “psychological gain” of the individual participant in progress as measured in wealth per capita and per square kilometer of territory. It is not what many would describe as an “incentive thing;” it is a gain in the realization of the

“The Simultaneity of Eternity”

As I have already emphasized in **The Science of Physical Economy**, when we consider that point of difference, which I identified there as the “Type ‘B’” personality, a distinction which separates the realized state of human individuals from beasts, we are led to a clearer insight into the proper choice of meaning for the term “immortality,” or, in other words, “a simultaneity of eternity” expressed, uniquely, by those creative potentials of the individual mind which distinguish members of the Noösphere from the animals, plants, and man-made creatures from the bowels of “Silicon Valley.”

The distinction, which is essential, rather than figurative, implicitly locates the identity of the human individual’s mental life in the function of those implicitly conscious powers of creativity which are unique to the human individual. Such is the proper definition of the human, individual “immortal soul.” This has precise, physical meaning, a meaning typified, for example, by Johannes Kepler’s uniquely original discovery of the principle of universal gravitation, as this was made originally by Kepler in his **The Harmonies of the Worlds**, and given a richer exposition as to the meaning of that discovery, by Albert Einstein.

Once again, that notion of the ontological characteristic of discoverable qualities of efficient universal physical principles, is that characteristic activity of the

human individual's reach beyond the bounds of his, or her mortal existence as a denizen of the Biosphere. This double-characteristic of the immortal human soul, is what is demonstrated by the physical evidence bearing upon the paradoxical relationship between sense-perception and knowledge of physically efficient universal principles, as a perfectly efficient relationship unknown to devoutly worshipful British Liberals.

For example. When we work to "take apart," so to speak, the "history" of the development of ideas of efficient physical principle on which the emergence of any experimentally demonstrated discovery of a new universal physical principle has depended, we are obliged to trace the parentage of any valid modern such discovery of principle to extremely remote regions of mankind's much earlier existence. Similarly, what we may add to the stock of such principles, lives on as an expression of our efficient existence into generations of the distant future.

Thus, on such account, the essential interest which occupies the incarnate form of human existence, is not lodged primarily within the bounds of a person's mortal flesh, but in what the most sensitive theologians are able to recognize as a habitation of the efficient human personality within the domain of a so-called "simultaneity of eternity."

It is this notion of the efficient character of a domain nameable as such a "simultaneity of eternity," with which, without reasonable doubt, Philo of Alexandria would have agreed, that of the endless power of creativity of both the Creator identified in **Genesis** 1, and those made in His likeness. Such is the vision of mankind which all truly great creative human minds, such as the Christian Apostles Paul and John, or Philo of Alexandria have expressed in this matter.

Man's truly principled actions on behalf of mankind, must necessarily reach far beyond the span of mortality of the individual person. Our destiny, is what we are obliged to contribute to cause what the universe we inhabit, must become. This is the nature of that true "pursuit of happiness" which the U.S. Declaration of Independence took from the pen of Gottfried Leibniz. This is what is expressed in the most impassioned moments of conception in the work of Albert Einstein, and the great spiritual lesson expressed by the opening two paragraphs and closing sentence of Bernhard Riemann's 1854 habilitation dissertation.

This is the specific quality of passion which we should muster from within ourselves, not only for the

sake of the future of mankind, but for the realization of the intention of those lives which have gone before our own. True science is not ambition, but the joy of devotion to the mission within our universe which is assigned to mankind. It is that mission-orientation which gives the strength for the great mission immediately before us within this Solar system, a mission which will be the source of our joy in the labor thus presented to the future generations of this century.

So, on to Mars.

In Conclusion: Constitutional Law

There will be foreseeable leading objections to those measures which I have presented for rescuing the present economies from a general economic breakdown-crisis of the planet as a whole. To deal appropriately with the roadblocks which those types of objections represent, I employ this epilogue as my general rebuttal to all among what might be considered to be the two least incredible among those cases.

Let us now consider the two principal among the anticipated objections of a systemic character, which we must anticipate as the likely objections to what I have presented, above, as the underlying principle of my presentation of the constitutional remedies for the grave predicament of our republic and planet alike, at this conjuncture. Objections of that quality of relevance, can be reduced to two types.

To mark out the boundaries of the field on which the arguments are to be played, we must define three principal categories of relevant general philosophy best known for their prevalence among the customs of today's globally extended, ancient, medieval, and modern European civilization.

The first among those three types, is what may be associated with the name of "the modern Platonic tradition." The two contrary traditions in respect to general principle, which have any systemic relevance for the argument immediately at hand, are fairly identified, respectively, as, first, the ancient Aristotelean dogma, which is also expressed as the method of Euclidean aprioristic geometry, and, second, that modern empiricist ideology, also known as philosophical "Liberalism," which is to be traced from the rise of the widespread influence of Paolo Sarpi within modern, globally extended, European civilization.

The understanding of the grave practical implications of the systemic differences among those three systems, is crucial for understanding the implicitly fraudulent arguments which we must expect to hear presented by advocates of the latter two of these three: systemically mutually exclusive notions of what are to be presumed as being implicitly rational forms of universal scientific and legal systems.

The case to be presented on that account, is probably best stated by presenting the relevant arguments and their conclusions in the following order.

Of these three categories which may be considered as relevant for modern civilizations, my own, adopted standpoint is that expressed in its most modern expression as the standpoint established by Cardinal Nicholas of Cusa,⁷ who has served as the origin of the discoveries in modern science by such as Luca Pacioli, Leonardo da Vinci, Johannes Kepler, Pierre de Fermat, Christian Huyghens, Gottfried Leibniz and his Eighteenth-century followers such as Abraham Kästner, Gotthold Lessing, Moses Mendelssohn, Friedrich Schiller, Percy Bysshe Shelley, the Ecole Polytechnique circles of France's Gaspard Monge and Lazare Carnot, and Carl F. Gauss, and Bernhard Riemann and his followers such as Albert Einstein and Academician V.I. Vernadsky.

That legacy is to be distinguished from such cases as the Karl Weierstrass, who was the rival and the systematic opponent of Riemann, an opponent who contributed to the weakness which developed in the fiercely persecuted, and ultimately broken, Georg Cantor since the appearance of his **Grundlagen**, and to the founding of the positivist current of Ernst Mach and David Hilbert (as distinct from the utterly depraved variety of positivism associated with, speaking mathematically, the infinitely disgusting Bertrand Russell and his depraved followers).

Systemically, the notable adversaries of the Classical school of Plato and his ancient and modern followers, have been chiefly two: first, the Aristoteleans, otherwise identified with the fraudulent premises of reductionist a-priorism expressed in Euclid's review of the earlier, original discoveries of ancient Greek geometers represented in his **Elements**; and, second,

7. Nicholas of Cusa (A.D. 1401-1461). N.b. **Concordancia Catholica** (which introduced the principle of the modern sovereign nation-state, A.D. 1433-34) and **De Docta Ignorantia** (the founding of the general principle of all competent expressions of modern physical and related science, A.D. 1440).

the modern Paolo Sarpi's curious resuscitation of the irrationalism of that medieval William of Ockham, whose system is otherwise associated with the irrationalism of both modern Cartesianism, and also the modern Anglo-Dutch Liberalism which is the foundation of the systemic features of the modern Anglo-Dutch Liberal imperialism which is otherwise known for the imperialist dogmatics of modern monetarism.

The relevant points of distinction to be noted on this account are, chiefly, the following.

Inside Modern Physical Science

Consider Albert Einstein's reading of, and amplifications of the general implications of Johannes Kepler's uniquely original discovery of a general law of gravitation, as to be found only in a complete reading of, and deep reflections upon the complete argument of Kepler's own account of this discovery in his **The Harmonies of the Worlds**. Einstein pointed our attention directly toward two classical cases. We are presented, thus, with two contrasting systems of belief. So, in the one case, we have that typified from ancient times, by the Pythagoreans and Plato; in the other case, we have the contrasting, common system of Aristotle and his follower Euclid.

Then, there is the third case, that of the irrationalist system which is typified by Sarpi, Galileo Galilei, and their empiricist followers. For the moment, focus attention on the first two types of systemic argument, Plato versus Aristotle.

The most essential distinction between those two, is between what Kepler himself defined, repeatedly, as two mutually exclusive systems in physical science, as follows:

The Classical argument respecting the contrast between the Platonic and Aristotelean-Euclidean outlook, has been aptly summarized by Philo of Alexandria, a particular argument which can be summarily described as follows.

Philo warns the Jews of the same lifetimes as the leading Christian Apostles, against the fraudulent argument which had been explicitly posed by a representative of the influence of the Cult of Delphi, Aristotle. He attacks Aristotle as having insisted that once the universe had been created, the Creator himself no longer had the power to modify it.

That argument which had been denounced by Philo, was later copied by the Friedrich Nietzsche, who put

the point as “God is dead.”⁸ The follower of Aristotle, Euclid, chiefly copied into his own **Elements** the model solutions of earlier Classical Greek geometers, but added those infamous *a-priori* presumptions of his own making which echo Aristotle. The relevant issue of mathematical physics posed by this case, is expressed by the failure of the positivist David Hilbert’s attempt to complete the process of solving the unproven assumptions of Nineteenth-century mathematics, most notably that of his sixth proposition,⁹ a proposition which goes directly to the point of Philo’s attack on the theological argument of the Aristoteleans.

To state the implications of my argument here, Albert Einstein recognized the higher of the two conclusions expressed by Kepler’s development of the crucial proof for his principle of universal gravitation for the Solar system, in particular, as the full case was developed in Kepler’s **The Harmonies of the Worlds**. Einstein presented the higher implication of Kepler’s uniquely original discovery of a principle of gravitation: that the universe is finite, but not defined by fixed, external boundaries. To restate that point made by modern Platonists: *the universe is a self-bounded process of anti-entropic continuing creation*.

The Attack on Cusa

The modern Liberal system of Paolo Sarpi and his followers, is a slightly more complicated, strategic proposition.

The root of Sarpi’s launching of what was to become known as modern British Liberalism, appeared as a by-product of the conflict between Aristotelianism and the effort to return Europe to the folly of medieval Aristoteleanism, but, this time, in the guise of modern European neo-Aristoteleanism.

The reaction against the emergence of the modern European nation-state around, essentially, the initiatives of Nicholas of Cusa, a reaction as led, politically, typically by the imperial ambitions of the Habsburg interests, was an action in the form of the defiance by the Habsburg-centered interest by acts against the emergence of the actuality of modern European sovereign nation-states, as this reaction was typified by attacks on the achievements of the first modern nation-state under France’s Louis XI and his follower, England’s Henry

8. So, what. The relevant, sometimes stated fact is, that, both Aristotle and Nietzsche are dead.

9. Professor David Hilbert, **Mathematical Problems**, (Paris 1900).

VII. The breaking point in the efforts to block the spread of the modern European, science-driven nation-state, was expressed in the Venetian monetarist oligarchy’s deployment of its leading spy, Francesco Zorzi, aka “Giorgi,” to break England out of the common peace which had been established among France, England, and Spain.

Into that setting, stepped Zorzi in the role of marriage counsellor to Henry VIII, a Zorzi operation which supplied a supporting flanking role of the Venetian agent Cardinal Pole, a Plantagenet pretender to the English crown, and another Venetian agent, Thomas Cromwell, the First Earl of Essex.¹⁰ The immediate outcome of this process guided by the Venetian Zorzi, et al., was to promote a state of warfare among the respective three monarchies of England, Spain, and France, which had been bonded to policies of mutual peace up to the point of this development. The continuation of this process was the expansion of the dynastically motivated Spanish Inquisition of Torquemada et al., to become what historians today view as the destruction of European civilization through the virtually permanent state of religious warfare of 1492-1648 throughout Europe.

It was out of this interplay of that interval marked at the opening by the Habsburg imperial digestion of what had been the Trastamara dynasty of Sicily and Spain, that Paolo Sarpi and his irrationalist cult of Liberalism was started on its course of becoming the putative imperial ruler of the monetarist world today.

However, in the meanwhile, the efforts to bring about an end to the tyranny of religious warfare in Europe, were brought to temporary fruition under Cardinal Mazarin and his leading protégé inside France, the great Jean-Baptiste Colbert. Such was the setting of the 1648 Peace of Westphalia and its immediate consequence for France and for the great surge of progress in modern science and economy organized under the leadership of Colbert.

Into this situation came the Venetian agent Abbe Antonio S. Conti, the hand behind Voltaire, who was to play a crucial role in organizing the effort to eradicate real science from Europe through the use of the counterfeit scientific figure and black-magic specialist Isaac Newton. These operations by the followers of Sarpi,

10. The female praying mantis is noted for eating of the head of her innamorato during copulation. After Zorzi had effected one divorce on behalf of Henry VIII, Henry turned to cutting off the heads of the wives with whom he had been copulating.

culminated in the Seven Years War, which produced what became the private empire of Lord Shelburne's British East India Company, and the relative hegemony globally, of the pseudo-scientific empiricism of Paolo Sarpi, still today.

The systemic shaping of these 1492-2009 developments in the history of both European science and the general history of imperialist developments throughout the world since 1492, produced the phenomenon of Anglo-Dutch Liberal empiricism today, and the role of the British world monetarist empire of today.

Sarpi versus Machiavelli

To understand the process which provoked the shift, under Paolo Sarpi's leadership, from Aristotle to the doctrine of Ockhamism, we must recognize the crucial effects of the great work of Niccolo Machiavelli's defense of that republican cause which he had inherited from the avowed follower of Cardinal Nicholas of Cusa known as Leonardo da Vinci.

The coming-into-being of the British-led monetarist world system plunging into a global new dark age now, was a product of the conflict between the legacy of the great ecumenical Council of Florence and the associated roles of Filippo Brunelleschi and Cardinal Nicholas of Cusa, against the medievalist, Venice-monetarist-centered faction, from the time of the Council of Florence onward. The role of physical and related science associated, most typically, with Cusa and his tradition became the central strategic figure defining the great strategic issues of all modern history from that time to the pres-



creative commons/Nino Barbieri

The wildly libelled Niccolò Machiavelli (left), defended the republican cause in Renaissance Florence, following in the footsteps of Leonardo da Vinci and Cardinal Nicholas of Cusa, against the evil Venetian predations of those such as Paolo Sarpi (right),

ent day. The crucial breaking-point in that conflict came with the crushing of the Republic of Florence; the role of a former secondary leader of that Republic, Niccolo Machiavelli, remains a wildly libelled keystone in the history of modern European civilization since that time.



The key to that entire interval of history, between A.D. 1492 and the 1648 Peace of Westphalia, is most efficiently and succinctly expressed by reference to Machiavelli's role in defining the foundations of crucial features of modern republican statecraft's military strategy and mission-oriented tactics. The essential features of the account of this role, are located in the effect of the progress of physical science on the outcome of certain changes in strategy and

tactics which had been pioneered, to relatively most significant effect, by France's Louis XI and under England's Henry VII. It was the inherent incompetence of the cultural-philosophical outlook inherent in the morally inferior Habsburg faction, when faced with the expressed forms of relevant impact of the work of Cardinal Nicholas of Cusa and his successors, which led the way into that great strategic crisis embedded in the A.D. 1545-1563 Council of Trent, and the opportunity exploited by the circles represented by the Paolo Sarpi who exploited his own account of that Council's work to create a curious variant of the Aristotelean dogma, a variant adopted by Sarpi from the precedent of the medieval William of Ockham.

This can probably be better appreciated, respecting the relevant comparison, for today, by seeing a connection to the crisis posed by the development of nuclear and thermonuclear weaponry since 1945.

The rise of European civilization from the aftermath of the great Fourteenth-century New Dark Age, had not merely weakened, temporarily, the monetarist power of the Venetian imperial monetarist oligarchy. The cultural and economic surge provided by the Church coun-



“It was the moral advantage of the commitment to scientific and related progress of the great ecumenical Council of Florence [1438-39], which sustained the innovative struggle for human freedom from the side of the republican forces.” This painting, by Benozzo Gozzoli, of the “Journey of the Magi” (1459) celebrates the multinational character of the participants, many of whom came from great distances to attend the Council.

cils of the Fifteenth Century had led to the opportunity for the great new ecumenical Council of Florence, with associated effects such as the particular scientific-revolutionary discoveries by Filippo Brunelleschi and the founding of a comprehensive expression of modern European science and statecraft prompted by, most notably, Cusa’s **Concordancia Catholica** (the modern sovereign nation-state) and **De Docta Ignorantia** (the principled foundations of the revolutionary founding of modern universal science).

The progress of physical science itself, together with the initiatives in statecraft by France’s Louis XI and by the frustrated initiative of the Republic of Florence, unleashed an impetus within Fifteenth-century European civilization and beyond, which is most clearly epitomized by that relatively short-term assembly of nations called “The League of Armed Neutrality” whose defeat of the British empire during the Eighteenth Century, was to create the essential circumstances for the establishment of the U.S.A. as a secured constitutional republic of a unique kind.

The principal strategic mission of the British empire

since that time, has been the long-ranging intention to destroy that United States (but, only our truly witting American patriots really understand that).

So, the great religious warfare of 1492-1648, had proceeded, since the time of Christopher Columbus’s first trans-Atlantic voyage, from a conflict between the legacies of two great cultures, the republican Platonic and the monetarist-oligarchical Aristotelean. The insurgent, Platonic faction, had the essentially innate strategic advantage of its Classical cultural tradition of artistic and scientific creative genius, a factor of the modern tradition of that time which tended to give a durable strategic advantage to what was the otherwise often weaker raw physical power than the cur-

rent oligarchical forms of the globally dominant pro-Aristotelean institutions. The nature of those chiefly moral-intellectual margins of advantage held by the otherwise quantitatively weaker republican cause, created the condition of strategic crisis reflected in the famous A.D. 1545-1563 Council of Trent.

The essential issue so posed was that of Plato-vs.-Aristotle: the conflict between fundamental scientific progress, versus the philosophical images of a neo-Olympian Zeus and Aristotle. It was the moral advantage of the commitment to scientific and related progress of the great ecumenical Council of Florence, which sustained the innovative struggle for human freedom from the side of the republican forces. This ironical feature of the time was expressed in manifold aspects of culture, and strategy, against the innately moral and scientific superiority of the republican opponents of the pro-Aristotelean cause, republican forces engaged against the oligarchical forces associated with the imperial power commanded by the Habsburg empire.

So, the Machiavelli held in the semi-captivity of parole since his official role in the Republic of Flor-

ence, used his creativity and his pen to menace the cause of oligarchism through the Sixteenth Century and even far beyond his own death, when he enjoyed a highly honored status in the military science of modern Europe.

Hence, faced with the impact of Machiavelli's challenge to the oligarchical cause, Paolo Sarpi's orientation became crucial in contending for leadership of the modern oligarchical cause against the Habsburg imperialists. Sarpi positioned himself and his followers against both the Classical science of the followers of Cardinal Nicholas of Cusa, and also the Habsburg-led, pro-Aristotelean oligarchical faction.

Sarpi allowed technological innovation under a reformed version of oligarchism, but worked as feverishly as the overtly depraved Habsburg faction to stamp out the Platonic principle of scientific progress itself. Hence, the result of Sarpi's influence was what became known as the moral indifferentism of the modern, heathen, behaviorist form known as the Anglo-Dutch philosophical Liberalism of Rene Descartes, Abbe Antonio S. Conti, Voltaire, et al.

The way out of the resulting stalemated situation among the contending factions in Europe itself, including Ockhamite Liberalism's Seventeenth-century capture of England, the Netherlands, and also the Iberian Atlantic-oriented maritime settlements in the Americas, left the cause of republican progress no option but to follow the Mayflower Company, the Massachusetts Bay Colony, and what became later the "New Machiavellian" faction of Benjamin Franklin, to develop a truly republican nation-state in North America, a republican state which brought with it the cultural achievements of Europe without principled submission to the corruption represented by the European oligarchical traditions.

Once that history of the Sixteenth and Eighteenth centuries of European civilization is taken into account, the true significance of Machiavelli's role in the origins of modern republican military strategy, as by the friends of Friedrich Schiller, in the mission-oriented realization of science and engineering, is clarified strategically.

Science Versus Gimmickry

The essence of the evil expressed by the avowed Ockhamites Paolo Sarpi, his lackey Galileo, and their successor Abbe Antonio S. Conti, lies in the role which they acquired through their use of the Anglo-Dutch "Liberals'" hoax of empiricism. With respect to their

rivals, the pathetic Aristoteleans, the Liberals could pretend to use the products of actual science, which they counterfeited, to gain precedence over the Aristoteleans, and to outflank the Aristoteleans, by plagiarizing the discoveries of the heirs of the science of Cardinal Nicholas of Cusa, as the Liberals laid fraudulent claims to the discovery of gravitation, the calculus, and kindred discoveries of the followers of such as Brunelleschi and Cusa, while actually suppressing them, but, nonetheless, claiming to be the patent-holders on the falsely claimed principles which they counterfeited with fraudulent intent. In this way, they concocted a fraud, which they called "science," in the forged name of science.

However, the essential evil which these followers of Sarpi, Galileo, and Conti represented, was no different, in the final analysis than that of the character, the Satanic Olympian Zeus, of Aeschylus' **Prometheus Bound**. The common feature of the followers of Aristotle and Sarpi, is the same evil to which Philo of Alexandria pointed in his attack on the pro-Satanic fraud which the philosophy of Aristotle embedded in the guise of the *a-priori* assertions of Euclid's **Elements**.

Indeed, as the policies of such as the World Wildlife Fund of Britain's Prince Philip, et al., attest, the efforts of the Anglo-Dutch Liberals to appear to promote a curious perverse version of scientific progress, halt when the republican currents of continental Europe and North America are deemed sufficiently weakened by "environmentalist" forms of moral rot, that the Liberals move, as now, in their "green" effort to eradicate all semblance of modern science.

In the revised edition of his opera, **Otello**, the great Giuseppe Verdi adopted his collaborator Arrigo Boito's addition of the monologue of Iago as a Satanic character put upon the Opera's stage. The intention was to get behind the scenes where the soul of Shakespeare's Iago could reveal itself. Essentially, the attempt succeeded theatrically. The essence of the true Venetian soul stood as if alive on stage before the audience. I know this with certainty, since my truest adversaries are exactly like that, alike in character, and alike in mission respecting the fate of the peoples and nations of all mankind. Boito's *Iago* is the virtual incarnation both of the roles of John Maynard Keynes, and the Prince Philip of the World Wildlife Fund, and, also, of that imp, the lying former British Prime Minister Tony Blair. They are all echoes of the Lord Shelburne who invoked the evil Adam Smith and the Satanic Jeremy Bentham, too.

Immediate Measures for U.S Economic Survival!

Lyndon LaRouche outlined these urgent measures on Oct. 6.

First of all, what is required is to put all regular commercial banks through reorganization in bankruptcy. What will happen is, we'll go back to the Constitution, which specifies a credit system, *not* a monetary system. So the act of bankruptcy will be to declare that the United States Constitution is being enforced: that we are a credit system, *not* a monetary system.

Number 2: We will now take the accounts which are in commercial banks—the other banks, you can forget for the time being, but the commercial banks—these banks will be put into reorganization in bankruptcy, such that those accounts, in the banks, which correspond to a Glass-Steagall standard, will receive full protection and will be assigned protection under the category of a Glass-Steagall qualified account.

These banks, which we will clean up in that way, have to be under *bankruptcy protection*, even though they've been purged of this garbage. Therefore, they will be operating under bankruptcy protection, *as necessary*.

Now: Once we've taken a lot of this crap, which is essentially worthless paper—"Bernanke money," we call it—this crap will not receive protection. This crap is out on its own, begging for whatever it can get.

Okay, that being done, now we are in a situation, where, having cancelled a lot of Federal obligations which are charged to worthless accounts, they'll just be wiped out in bankruptcy; there's no obligation. The Fed bailed them out, that's it. It's gone!

All right, now we're going to issue credit, Federal credit, and the Federal credit will go principally into—apart from the usual government accounts, various government projects, and so forth—it will go generally into infrastructure investments. The reason for infrastructure investments is that we have very little basic industry left; we have small retail operations, and you are not going to get a recovery, or even a survival of the U.S. economy, based on small business. You won't. You've got to go into large-scale infrastructure projects, and

these will be Federally backed.

But, in addition, there, you have a second, direct category: That will be, that any Federal project, for building infrastructure, for example, interstate investments, will require the assistance of subcontractors who are private entrepreneurs. A private entrepreneur, who is qualified, as under war production during World War II, by virtue of a contract involving an infrastructure project, which is a Federally protected infrastructure project, will receive protection, and the access to credit.

Therefore, we will use the large-scale infrastructure categories, which are our main instrument of actual recovery—we're talking about blue-collar jobs: The basic thing is blue-collar jobs, in industry, infrastructure, and agriculture. Blue-collar jobs! And don't try to sneak in an accountant with the white collar, or a blue collar.

All right, blue-collar jobs—agriculture, industry, infrastructure. That's the rule, because this creates real wealth. White-collar jobs, service jobs, do not necessarily create real wealth, and particularly, the paperwork jobs, they don't create real wealth. We want real wealth produced. Because we're a bankrupt country, we've got to get back into solvency. We do that only with blue-collar emphasis on jobs, blue-collar contracts.

So, you have the contract, which is a Federal or state project, backed by the Federal government, and you have subcontractors, who are private businesses, which have contracts, or contract relationships, or a service equivalent of contract relationships with a Federal project. These contractors will receive protective cover, by the Federal government or state government.

All right. On that basis, now, we've opened up a whole new approach to get the economy moving again. We're on the road to growth. Under those conditions, *we can begin to reorganize the economy successfully*.

October, or Bust!

Now, the urgency of this, is the fact that if we don't do that, either within the month of October, or some time not too long after that, the whole nation will disintegrate. So therefore, *we must do this now*. This means that we don't have any time to waste on the usual bullshit: "Wouldn't this help?" Forget it! It won't help. Green jobs are generally going to be out! *No green jobs!* There can be green jobs, but they'll be on the periphery of the system. It's going to be blue-collar jobs, or jobs which involve a majority of blue-collar employees, and the more skilled, the better. These are going to be in the form of blue-collar jobs, concentrated in Federal infra-

structure projects, or state projects backed by the Federal government, cooperative state-Federal projects. It will also include subcontractors, private firms which are subcontractors, and under protection as that, to Federal projects. That's our basic program of recovery.

We also are going to have to do, on the health-care area, one thing: We are going to eliminate the HMO system—*gone!* HMO: gone! We're going back to a Hill-Burton policy, and we're going to have to build our way into a Hill-Burton policy. It's the only way to do the job. That policy will have to receive Federal government assistance. So, we're going back to a Hill-Burton standard. It's the only way that we're going to rescue the health-care system, so we're going to do it.

Now, what this means is this, looking at the world around us: There's no part of the world, which presently has an ongoing program, or capability, to independently survive the present financial-monetary crisis. The only way it's going to be done is the same way the United States is going to have to do it. So therefore, you'll find out there, there is no government in the world, at present, which is presently committed to do anything to save its own butt from the breakdown crisis now in process. No one out there, who is not thinking exactly what I'm thinking, is qualified to provide any solution for any of these problems. It can't happen.

We're in a breakdown of the entire world system, and there's no government in the world which presently has the slightest idea of what to do about this crisis. So all these ideas about "this" or "that" or "this" or "that"—forget it, drop the subject! Do not bring up the subject! Cancel the discussion! Only certain things will work under this condition, and we've got to do those things: *We're in a real, global emergency.* We're in the situation of a global breakdown crisis.

Now, don't imagine that the British have any brains. The British are playing people, but the British system does not have the intellectual ability, this time, to come up with anything that is useful. The Russians, others, don't have any idea of what to do. They have ideas which are useful, but they don't have the context in which to put them, to make them work. That's our general situation throughout the planet. Only the United States can do that.

Monetary Systems Are Dead Animals

Now, the other thing that has to be emphasized, is that if the United States goes under, every nation, every economy on the planet, will go under *in rapid-fire succession.* There is no part of the world that will survive a

collapse of the U.S. economy—none! That's a reality. There's no government in the world, which is thinking in the terms I'm talking about now, which is qualified to even run its own affairs. So, we, in the United States, with our credit system, which is in our Constitution, is the only agency capable of inspiring a program, which can save the entire world, from a general, chain-reaction, breakdown crisis. That's where we are now.

So that means, that all the bullshit—"if, maybe, whatnot. . ."—sort of thing, forget it. Don't waste your time even talking about it. Get back, always, to the main subject: If you want to survive, you're going to go with this part of the program. We're going to put the commercial banking system through a Glass-Steagall-standard reorganization; we're going to use the end-product of that reorganization to reestablish the full support of the Federal system, as a credit system, *not* a monetary system. We are committed to destroying the monetary systems of the entire planet. Not by going in to crash them, but by saying, "We do not recognize them as valid, as legitimate."

That's another rule we have to stick to: We don't discuss any option, based on adjusting, or adapting to, or utilizing, a monetary system. Monetary systems, as far as we're concerned, are dead animals. We don't even talk about them; they're not useful. They should just go away!

The world has to go to a system of nation-states, which are sovereign, which are each running as a credit system, and the credit system can be established by a treaty agreement between that nation and the United States. We're going to create a *global credit system*; a credit system based on a system of perfectly sovereign nation-states, themselves operating in the international market, as a credit system, *not* a monetary system. We're not going to raise Keynes—we're going to bury him. Finally!

So, we have to restrict ourselves, not to waste time and energy, on discussing "maybe" questions which are not in conformity with what I just told you. That has to be our policy. Everything else is bullshit.

Remember: No government in the world, presently, by its avowed policies, is competent to deal with this crisis. The British, above all, are not geniuses. *We stick to our program as I just identified it.* That's the core.

And that's what we have to make clear now. So, don't waste our time, bringing up subjects that are not worth discussing! Because, either we're going to do what I just indicated, or we're not going to exist. *So there's no point in discussing anything different!*

LaRouche: Return to FDR's Glass-Steagall Standard Now!

by John Hoefle

Oct. 9—The return to what Lyndon LaRouche describes as the “Glass-Steagall standard” is an essential component of any successful effort to pull the United States out of its second Great Depression, and avoid a collapse into a global New Dark Age. The term “Glass-Steagall standard” refers both to the Glass-Steagall Act of 1933, which created a legal firewall between commercial banking and speculative “investment” banking, and its founding principles. The Glass-Steagall Act was one of a series of reforms initiated by President Franklin Roosevelt, designed to break the grip of the Anglo-American financiers led by J.P. Morgan over our nation’s economy, and reassert national sovereignty.

Glass-Steagall, the law of the land from 1933 until 1999, provided significant protection to the depositors and borrowers who depended upon a sound commercial banking system. It arose out of the Pecora Commission hearings (1932-34), which revealed the manner in which the big banks of the day had looted their customers for the benefit of a small coterie of insiders. FDR used the outrage provoked by these revelations to force through reforms over the vehement objections of Wall Street.

In addition to preventing commercial banks from engaging in Wall Street-style speculation, Roosevelt also created the Federal Deposit Insurance Corporation (FDIC) to insure deposits—necessary to restore public confidence after the widespread failures—and created the Securities and Exchange Commission (SEC) to police Wall Street. To emphasize the latter point, he ap-

pointed Ferdinand Pecora as one of the initial SEC Commissioners.

Public Trust

Commercial banking is, essentially, a public trust, and a necessary component of a healthy economy. Citizens place their funds on deposit at a bank, and the bank then uses those deposits to make loans to other citizens, for the purpose of improving the standard of living of the community as a whole. The bankers have a special responsibility to protect those funds, to lend them wisely. The money does not belong to the banks, it belongs to the depositors, and the bankers are merely custodians.

For such a system to function properly, these depository institutions must be highly regulated, provided with a clear framework of what is permissible, and what is not. Banking regulators must closely watch each bank to make sure the rules are followed, and promptly correct any violations.

Banks are, or should be, creatures of their local or regional economies, whose job is to assist the development of their service areas. The success of a bank is the byproduct of the success of the economy.

This perhaps sounds quaint, like something out of a 1950s movie, to those who are used to what, until quite recently, was the go-go world of international finance, but it is precisely the abandonment of these concepts in favor of unrestrained speculation, that blew up the

global economy. Our deviation as a nation from these principles has brought us to the brink of disintegration; if we are to survive, we must return to them.

Modernization

The rallying cry of those who sought the repeal of Glass-Steagall was that laws passed in the 1930s were outmoded, and inadequate for the glorious new world of finance. What we need, the bankers of Wall Street claimed, is a new set of rules for the modern world, freeing us from the limitations of the past.

As with many things the bankers say, the truth is just the opposite: *It was FDR who modernized banking*, by reinstating the principles embedded in the Declaration of Independence, over the ancient predatory practices of the Anglo-Venetian monetary empire. The demands of the bankers for “reform,” which began with FDR’s death, and escalated in the 1980s and 1990s, were actually demands to return to the system against which we fought the American Revolution. It was the sovereign constraints imposed by FDR upon imperial banking, that had upset the bankers. Which, of course, is precisely the point of regulation. The predators should never be happy. If they are, the regulators are not doing their jobs.

The repeal of Glass-Steagall, which was preceded by a series of other deregulatory measures, opened the flood-of-money gates for the wildest speculative frenzy the world has ever seen. It allowed the creation of a handful of giant super-banks which dominate the national economy, and whose failure has led to the largest bank bailout in history. It has also bankrupted the nation, and triggered a hyperinflationary expansion of the money supply which is destroying the value of the dollar. If the dollar collapses, the entire world—not just the economy, but civilization itself—will break down.

Franklin Roosevelt was right, and those who opposed his reforms were, and remain, wrong. If we are to save our nation, we must return to the Glass-Steagall standard.

The Fatal Repeal

The Glass-Steagall firewall between commercial and investment banking was formally repealed in November 1999, by the Gramm-Leach-Bliley Act, which created the new classification of financial holding company, with the power to underwrite and sell insurance and securities, engage in both commercial and investment banking, invest in and develop real estate, and related activities.

One of the worst aspects of Gramm-Leach-Bliley, is that it gave the speculative side of these new monstrosities access to the deposit base of the commercial banking side, turning bank deposits into fuel for the derivatives machine. At the end of 1999, these holding companies had \$4 trillion in assets, and \$38 trillion in derivatives, or about *\$9 in derivatives per dollar of assets*. A decade later, as of the second quarter of this year, they had \$13 trillion in assets and a staggering \$291 trillion in derivatives, or *\$23 in derivatives for every \$1 of assets*. These aren’t banks, they are casinos.

The top four banking casinos, JP Morgan Chase, Bank of America, Citigroup, and Wells Fargo, represent almost half of the U.S. banking system—46% of the assets and 42% of the deposits. They also have \$194 trillion in derivatives bets. Goldman Sachs and Morgan Stanley, the two investment banks that converted to financial holding companies last year, add between them another \$88 trillion to the derivatives total.

This insane derivatives bubble is what blew up the global financial system, bankrupted the U.S. banks, and has devastated most of what remains of the productive capacity of the U.S. economy. It would never have been possible, had the Glass-Steagall standard been maintained and enforced.

We must begin by wiping out all the derivatives, declaring all such bets null and void, by law—in effect, restoring the law to its status before it was corrupted. Outlawing derivatives solves the problem of having to wind down all the speculative bets and fictitious claims, and allows us to turn our attention to the more complicated process of sorting out the valid debts from the speculative ones. The valid debts—those arising from real economic activity related to the physical economy—will be honored, while debts related to the speculative bubble will be set aside, to be dealt with after the nation recovers. For debts which have a bit of both—say a mortgage on a home whose purchase price was highly inflated by the effects of the mortgage-securities scam—the size of the debt would be written down to reflect the actual economic value of the property.

FDR understood what Obama does not: People are more important than money. The issue is not maintaining the values of speculative finance. The issue is protecting the lives and welfare of the people. The immediate reinstatement of Glass-Steagall is a necessity, if we are to survive.

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Evans-Pritchard Blows His Lid

by Lyndon H. LaRouche, Jr.

October 6, 2009

London *Daily Telegraph* blogger Ambrose Evans-Pritchard went over the edge in a wild-eyed attack on Germany's Finance Minister Peer Steinbrück's criticism of Britain's role in the current suffering of Germany. Evans-Pritchard's reaction may be attributed to a British guilty conscience over former Prime Minister Margaret Thatcher's guilty role, in concert with France's François Mitterrand, and a complicit U.S. President George H.W. Bush, in making that mess of Germany's reunification, which has been chiefly responsible for the ruinous situation which has developed, more and more, and worse and worse, over the entire interval to date.

I am not, unfortunately, prepared to say whether this blundering outburst by blogger Evans-Pritchard is the fruit of his innocence by virtue of ignorance, or the fruit of some sort of emotional fit. Perhaps, a bit of both? Perhaps, the guilt should be traced back to the race to what became known as "World War I," which was set into motion as the design, as Bismarck put it so aptly, for a new "Seven Years War" designed by Prince Edward Albert, or to a kindred plan for "World War II" which went awry when a pro-fascist government of France spoiled the Chamberlain government's schemes, by opening the gates for a Wehrmacht quick victory on the western front. The British propensity for the likenesses of a "Seven Years War" has been the source of most of the ugliness spread against continental Europe since the early days of Lord Shelburne's romp with aides the like of Adam Smith and Jeremy Bentham.

I would prefer to stress the point, that the imperialist romps of British leadership have not proven of much benefit to the general population of the United Kingdom itself. Perhaps, Evans-Pritchard should conserve his energies and anger for a much-needed reform of the antics associated with the Foreign Office since the days of Bentham and Palmerston. That sort of reform would

be most helpful to all concerned from around this planet, including, in the outcome of such improvements, minus a Tony Blair or two, a much happier, and more reasonably nourished population, with more beneficial health-care policies, of the United Kingdom itself.

In the meanwhile, less rancor against the officials of a badly treated Germany, and more than a wee bit of respect for the present unpleasantnesses done to Germany over the course of, most immediately, the recent two decades.

German Election

Financial Crisis Will Crush Ruling Parties

by Helga Zepp-LaRouche

Mrs. Zepp-LaRouche was the Chancellor candidate of the Civil Rights Movement Solidarity (BüSo) in Germany's Sept. 27 elections. This leaflet, titled "The BüSo Will Be Vindicated: World Financial System Is About To Disintegrate!" was translated from German.

Yes, the CDU/CSU¹ and FDP did win the parliamentary elections, but it will soon turn out to be a Pyrrhic victory. By the next elections, these parties will be in the same shape as the SPD is now—even after the elections, it intends to hasten its self-degradation into an ersatz² green party. Before October is out, the full impact of the economic and financial crisis is going to punish the ruling parties for their lying election promises. Unless the current world financial system is put through bankruptcy, and replaced by a credit system, we are threatened with an explosion of hyperinflation, and a chain-reaction collapse, which will spare no nation on this planet.

The G20 summit in Pittsburgh would have been laughable, were it not for its tragic consequences. Nothing substantial was taken up, beyond a few cosmetic

1. The Christian Democratic Union and the Christian Social Union will now be allied with the ultra-liberal Free Democratic Party. The Social Democratic Party (SPD), which was formerly in a "Grand Coalition" government, is now out, having suffered huge losses—ed.

2. The German term is *Muckefuck*, an ersatz coffee made of chicory or barley—ed.

corrections. Not a single one of the real causes of this systemic crisis was even brought up. On the contrary: The casino economy is proceeding unhindered, and, in the United States alone, the amount of derivatives contracts negotiated outside of the official exchanges stood at \$203 trillion in July! In their final communiqué, the heads of state indulged in self-adulation that their bail-outs and stimulus packages have functioned well, and must, therefore, be continued. And the International Monetary Fund's chief economist, Olivier Blanchard, left no doubt that the cost of these packages will have to be passed on to the population, by cuts in health care, pensions, and assistance to low-income families.

But this touted success in Pittsburgh is a Potemkin village. In reality, the Federal Reserve is doing exactly what Germany's Reichsbank did in 1923: It is printing money. According to its own report, this year alone, the central bank has already issued \$11.8 trillion in liquidity injections and bank guarantees—although the real figure is probably between \$15 trillion and \$18 trillion. The Fed has bought up half of the paper that the Treasury has issued this year, which is more than Japan and China, combined, own. The Fed's monetary aggregates have grown by 21%—but the banks are not passing this money on to industry. In other words, the money economy is being saved, while the real economy is being sacrificed, and a hyperinflationary explosion is an immediate, short-term threat.

So, the Fed is printing these gigantic quantities of money, but not saying to whom, or under what conditionalities, it is being distributed. To contest this, not only has the Bloomberg news agency filed a civil suit to force disclosure, but Rep. Ron Paul (R-Texas), backed by 296 other Congressmen, has proposed legislation which would require public oversight of the Fed—something that Wall Street and its agents in Congress will do everything to prevent. The new fiscal year began on Oct. 1, at which point, all the books had to be opened, and the bankruptcy of the United States, where 49 out of 50 states are insolvent, can no longer be covered up.

Just prior to participating in the Pittsburgh summit, Chancellor Angela Merkel made a noteworthy statement at an election rally in Kassel. She accused the banks of blackmailing the government over the economic crisis. (Does that mean that government policy is being blackmailed? Isn't blackmail a crime? The public has a right to know something more concrete about this!) Merkel said that at the world financial summit, she would call for rules to prevent this from occurring

in the future. Such promises, of course, sound great during an election campaign.

But this blackmail is not merely on the level of individual banks which have gambled their money away, and which now expect that taxpayers will cover the private speculators' losses. Rather, the blackmail is on the level of the "independent" private central banking system itself. The central bankers of our globalized, monetarist system are simply telling our heads of state: "There is no alternative to pumping money into the system; the economy has to snap back sometime, at which point the extra liquidity can simply be taken back out of the system, so that we need not worry about hyperinflation." But, precisely therein lies the fraud, because in fact, the real economy is in free-fall, and the liquidity that is being pumped into the system will be just as impossible to take back out, as it was in Weimar Germany, from Spring to Autumn of 1923.

In Germany, 54.5% of all large corporations and 43.2% of all small firms are suffering a credit crunch; the Bundesbank has even warned about an impending general credit crunch. And now—after the elections—the horror stories are coming out: People working reduced hours are losing their jobs entirely, corporate bankruptcies are on the rise, and municipalities have gaping holes in their tax revenues. "The Federal government will have to commit more atrocities than ever, if it wants to lower taxes, as it promised before the elections," admitted Wolfgang Franz, chief of Germany's "Economic Wise Men" (How helpful to voters, that he said this *after* the election!), and he predicted harsh cuts in Germany's social support system.

Contrary to the propaganda, China is not the engine which will pull Germany's economy out of the ditch; massive setbacks are being reported there as well. China will, therefore, be importing less from Germany, so that battles for shrinking markets here will grow increasingly bitter. Another problem is the immense accumulation of state indebtedness, totalling over \$35 trillion in the world's ten richest nations, meaning \$50,000 of debt *per capita*, according to *The Economist* magazine. And, even though nations have piled up such enormous debts, up to now, the banks have written off only half of their financial toxic waste.

We Need a Broad Alliance of All Affected Groups

The election results are only explicable from within the geometry of the aforesaid blackmail being practiced

by the central banks, in their capacity as enforcers of monetarist globalization. Because, how else could the FDP, of all parties—the clearest representative of the neoliberal paradigm which is responsible for the greatest financial crisis in world history, the paradigm which has just failed—could have made such strong electoral gains? Are the FDP voters really so naive as to believe that their financial paper in the banks will somehow miraculously cease to be toxic waste? And if taxes are to be lowered—which is highly unlikely, given the current situation—this could only be financed through brutal austerity. But very soon, all these notions will be so much wastepaper, because the entire system is about to disintegrate.

It is precisely this dynamic of collapse that is causing various interest groups to take to the streets. Milk farmers are about to become extinct, and in protest they have spilled millions of liters of milk onto their fields; automakers and suppliers are terrified by factory closures, which will turn cities into ghost towns. Patients and physicians in private practice are seeing serious threats to adequate locally based care, leading to the danger that the lifespans of low-income people will be shortened. And so forth, down the long list of those affected.

If these groups confine themselves to their own particular causes, they are going to protest and demonstrate—and then at some point, they will become demoralized and give up, because there is no solution for single issues—as fundamentally urgent as they might be—in the midst of a general collapse. *Their only hope, is, if, in addition to their own cause, they put onto the agenda, the creation of a just world economic order, and replacement of the bankrupt monetary system with a credit system.*

During the election campaign, the BüSo, and I personally, in my campaign for Chancellor, sought to bring the historic dimensions of this collapse crisis, and the existing solutions, into public discussion. The media dictatorship in this country did everything to block voters' access to our analyses and our proposed solutions. For this reason, in live webcast forums, and in numerous articles and leaflets, I pointed out what is in store for us. And now citizens can see for themselves who was telling the truth, and who was proposing solutions.

So, now, I call upon all citizens, affected groups, and people who take Germany's future to heart, to join with the BüSo, and to fight for a new world financial and economic system!

'Unnecessary Care' Hoaxsters Shoot Themselves in the Foot

by Ned Rosinsky, MD

Oct. 6—Leading staff from Dr. John Wennberg's Dartmouth Institute for Health Policy and Clinical Practice, the source of the fraud circulated for the past six months by President Obama, that nearly one-third of Medicare expenditures is unnecessary medical care, have essentially admitted their lies. This pulls the rug out from under the argument made by all the "expert" proponents of the Obama "reform," namely, that approximately 30% of medical expenses can be cut, if "overuse" Medicare payment in certain areas of the country, is cut back to the rate in other regions.

The admission appeared in *The New England Journal of Medicine* of Sept. 24, 2009, in an article entitled "Getting Past Denial: The High Cost of Health Care in the United States," authored by Dartmouth researchers including Elliott Fisher, MD.

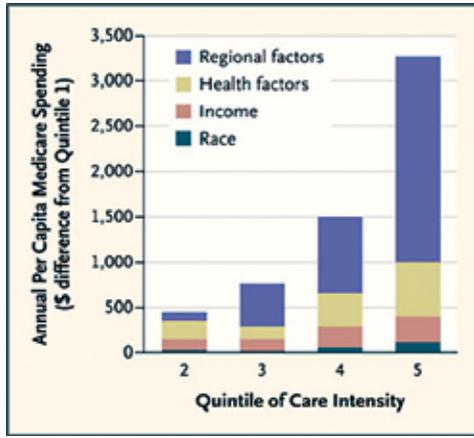
While the study reported on in the article nowhere admits that the methodology used is fraudulent, its new data document that allegedly unjustified regional variations in health-care spending total 9.5% of costs, not 30%, as previously claimed.

A Closer Look at the Graph

The fraud used by the Dartmouth Group to reassert their argument that "regional disparities" (they mean overspending) account for the major differences between the highest and lowest per-capita areas, in terms of Medicare spending, appears in a bar diagram purporting to show the "proportion of higher regional Medicare spending attributable to differences in race, income, health factors, and regional factors" (**Figure 1**). To devise the graph, the authors divided the study geographic areas into five equally populated quintiles, and arranged them by annual per-capita Medicare spending. The chart gives the visual impression that the highest quintile is many times the height of the lowest, and the highest quintile bar is mostly marked as unnecessary health-care spending. *But, on closer inspection, the*

Caption from The New England Journal of Medicine: *The vertical bars show the proportion of the difference in spending between regions in each of the four top care-intensity quintiles and the regions in the lowest quintile that can be explained by differences in patients race, income, health factors (self-reported health, presence or absence of diabetes, blood pressure, body-mass index, and smoking history), and regional factors. All models control for age, sex, and urban or rural residence. Data are from the authors' analyses of the 2004 and 2005 Medicare Current Beneficiary Surveys.*

FIGURE 1
Proportion of Higher Regional Medicare Spending Attributable to Differences in Race, Income, Health Factors, and Regional Factors



Source: Jason M. Sutherland, Ph.D., Elliott S. Fisher, M.D., M.P.H., and Jonathan S. Skinner, Ph.D., "Getting Past Denial: The High Cost of Health Care in the United States," *The New England Journal of Medicine*, Sept. 24, 2009.

chart does not show all five quintiles, but only four (numbers 2-5), and depicts only the differences in spending above the amount in the first, missing quintile.

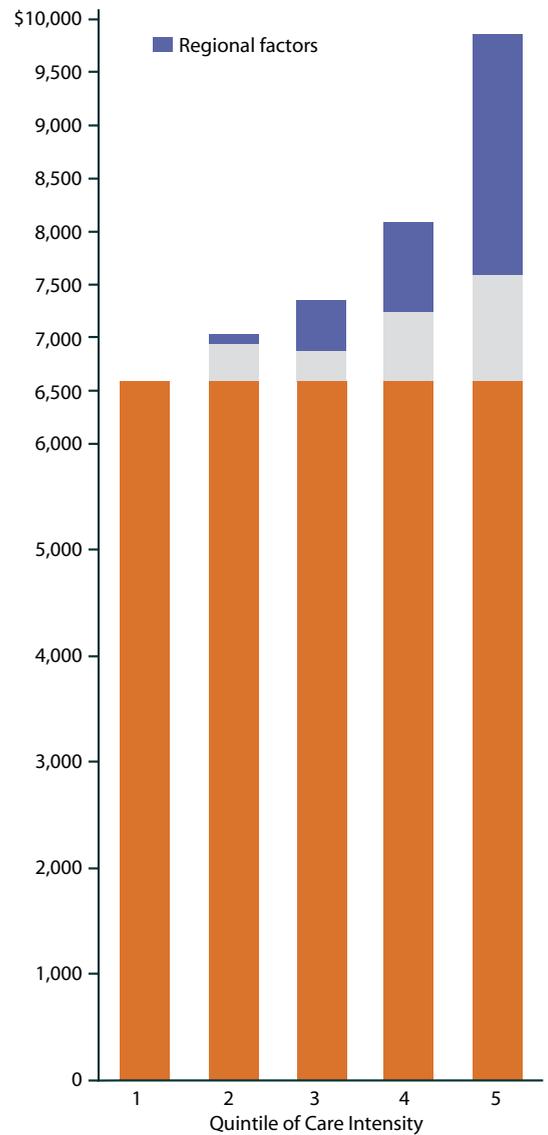
Why was the first quintile not shown? Possibly because, when it is included, it totally changes the visual effect, demonstrating that regional differences amount to only 9.5% of the total cost, not the much higher percentage which the study's graph implies (**Figure 2**). The text of the article focuses, not on the total spending differences among the quintiles, but only on the supposedly small relative size of the differences due to poverty and disease severity.

You can do the calculation, by looking at the bar heights.

The four bars shown are approximately \$500, \$800, \$1,500, and \$3,300. If the highest bar is 50% of the height of the hidden first quintile (which the authors state), then the first quintile must be \$6,600. Thus the actual heights of the five quintiles are \$6,600, \$7,100, \$7,400, \$8,100, and \$9,900, and the total of the five bars, to be used in the calculation below, is \$39,100. Each of the four bars shown in the figure is subdivided into the portion of the cost due to race, health factors, income, and a leftover segment termed "regional factors." It is the regional factors that the article says represent "unnecessary" health care.

By visual inspection, the regional factors are at most

FIGURE 2
The Fraud with Graphics
 (Annual Per-Capita Medicare Spending, \$)



EIRNS

By omitting the first quintile (shown here, far left), and by not showing the total expenditures per quintile (which we show here) the NEJM authors convey the impression that "regional factors" (which they consider unjustified) vary much more than they actually do, as a percentage of the total. This graph differentiates only the regional factors.

\$100, \$500, \$800 and \$2,300, totaling \$3,700. These numbers can be used to find the overall proportion of total costs that the authors think is unnecessary. Thus, the study finds that \$3,700 out of a total of \$39,100 is based on regional variation that is not accounted for by disease severity or patient income. This is 9.5% of the total cost.

Fire Axelrod and Jarrett Now For Chicago Olympic Scam

by Jeffrey Steinberg

Oct. 10—Lyndon LaRouche last week called for the immediate firing of White House aides David Axelrod and Valerie Jarrett, and the possible impeachment of President Barack Obama, for their involvement in a massive conflict-of-interest scheme, centered on their efforts to use the power of the U.S. Presidency to win Chicago's bid for the 2016 Summer Olympics. In a major flight-forward blunder, Obama, in the midst of two wars, skyrocketing unemployment, and the worst financial crisis in modern history, flew off to Copenhagen, to personally pitch the Chicago bid before the International Olympics Committee (IOC). The gambit failed, as Chicago came in last among the four contending cities.

According to the NBC News Chicago affiliate, just days after he ostensibly clinched the Democratic Party's Presidential nomination, in June 2008, Sen. Barack Obama made an appearance at a rally in Chicago's Washington Park, called by Chicago 2016, the \$49 million "non-profit" organization promoting the city's bid to host the 2016 Games. The park was designated to house an 80,000-seat Olympic stadium, not far from the Obamas' Hyde Park home. Obama told the crowd, "In 2016, I'll be wrapping up my second term as President, so I can't think of a better way than to be marching into Washington Park alongside Mayor Daley, alongside Rahm Emmanuel, alongside Dick Durbin, alongside Valerie Jarrett, as President of the United States, and announcing to the world, 'Let the games begin!'"

It was vintage Obama narcissism, but it also concealed a dark set of relationships that would follow him to Washington. The top players in Chicago 2016 were also top

operatives in the Obama Presidential campaign, and were among the people who would stand to reap the biggest financial rewards if Chicago won the Olympic bid.

Leading among the Olympic profiteers, and the person with the biggest conflict of interest, is White House advisor Valerie Jarrett. An intimate personal friend and mentor of both Barack and Michelle Obama, Jarrett was the vice chair of Chicago 2016. She was also, until coming to the White House, the CEO of the Chicago-based Habitat Company, which was bidding on the contract to build the 3,500-unit Olympic Village. Chicago 2016 president Lori Healey, until recently chief of staff to Mayor Richard Daley (Jarrett was formerly deputy chief of staff to Daley), had met with top officials of the U.S. Department of Housing and Urban Development (HUD), pressing for low-income housing grants, to build the Olympic Village, on the dubious claim that, after the Olympics, some of the units would go to low-income tenants. Jarrett, according to news accounts, set up that meeting at HUD.

Jarrett's Habitat Company was also implicated in a series of scandals involving the disintegration of Chicago public housing. Habitat was contracted by the Chicago Housing Authority to oversee the city's public housing, and, from 2001 to 2008, managed the Grove Parc Plaza Apartments. Habitat failed to redress disastrous conditions at the apartment complex, leading to a 90% vacancy rate. Another Habitat-managed public housing complex was seized by the Federal government in 2006, for widespread abuses, according to a June 27, 2008 report in the *Boston Globe*.

On May 1, 2009, the White House announced that Jarrett had been given an “ethics waiver,”¹ to allow her to represent the President, in pushing for the Chicago Olympics bid.

White House political director David Axelrod was another beneficiary of Chicago 2016 largesse. His firm, ASK Public Strategies, did public relations work for Chicago 2016. Jarrett admitted, in a recent Bloomberg News interview, that the Chicago group at the Obama White House was riveted on the Olympic bid: “We talked about it every single morning together as we met.”

Obama Backers Ran Chicago 2016

Back in Chicago, the overlap between the Olympic organizing effort and the Obama Presidential campaign was absolute. In addition to Jarrett’s role as vice chair, four other members of Chicago 2016 were on the Obama inauguration committee. They were: chairman and CEO Pat Ryan, Treasurer John Rodgers, former U.S. Commerce Secretary William Daley (brother of the mayor), and Penny Pritzker. Heiress to the Hyatt Hotel fortune, Pritzker was co-chair of the Obama for President finance committee. Pritzker-owned hotels were designated as priority Olympic sites in the Chicago 2016 plan. Other close Obama backers who were part of the Chicago 2016 team included Desirée Rogers, White House Social Secretary, who contributed \$100,000 to the Olympic quest; Eric Whitaker, a close friend of Obama; and Martin Nesbitt, who replaced Jarrett as vice chair of Chicago 2016, and was treasurer of Obama’s Presidential campaign. An owner of The Parking Spot, a parking lot company financed by Pritzker, Nesbitt is also chairman of the Board of Commissioners of the Chicago Housing Authority, the very body that pitched so much business to Jarrett’s Habitat Company.

Obama’s last-minute Copenhagen trip was by no means the first time he had jumped into the fray. According to news accounts, Obama spent days “working the phones,” particularly pressuring the 16 African countries represented on the IOC, to back Chicago’s bid. Shortly before the Copenhagen vote, a Chicago 2016 delegation flew to Abuja, Nigeria, to meet with those 16 African representatives, to squeeze them for

their support. They carried with them a video statement from the President, touting the Chicago bid.

Was Obama Set Up To Fail?

All of this leads to the obvious questions: Was the President set up, on the basis of his well-profiled zeal to please his Chicago backers? And, if he was set up, “who done it?” Axelrod, one of the President’s top “Daley men,” fumed at the media, days after the Copenhagen fiasco, admitting that he believed the fix was in for Chicago to win the bid. His essential message was: Do you think we would have let the President go to Copenhagen if we didn’t think we had the deal?

A senior U.S. intelligence official, speaking on background to *EIR*, reported that, months before the Copenhagen vote, it was widely known that Chicago would lose out to Rio de Janeiro, Brazil—the city that actually won the bid. “In the case of the Brazil bid, the national government was guaranteeing to cover the costs of the Olympics. It would be the first-ever Olympics in South America. Chicago was notoriously broke, notoriously corrupt, and was on its own—with no Federal government official backing for the bid, and no guarantee of covering the costs. Even Mayor Daley was initially opposed to the bid, knowing it would further bankrupt the city. It was the Chicago real estate crowd that stood to make the killing.”

Eventually, Daley came around to the Olympic scheme.

So, who might have set up Obama for the biggest gaffe of his young Presidency? One possible place to look is London, where, increasingly, the Establishment sees Obama as a lost cause—too weak to impose killer austerity on the American people, and all-around unreliable.

On Sept. 22, in the countdown to the Copenhagen fiasco, Valerie Jarrett flew up to New York City, to confer with former British Prime Minister Tony Blair. He had notoriously twisted arms, to win London’s bid for the 2012 Olympic Games. Blair told Jarrett that Obama had to go to Copenhagen, to seal the deal.

Blair’s successful Olympic drive was engineered by the public relations firm Hill and Knowlton—the same London-cartel-owned firm that was also in charge of public relations for the Chicago bid. Two top H&K executives, Sir Stephen Wall and Tim Fallon, were both Blair intimates during his tenure as Prime Minister. Wall headed the European Secretariat in Blair’s cabinet, and Fallon was his campaign manager. White House chief of staff Rahm Emmanuel’s top aide, Elizabeth Sears Smith, is the wife of Douglas Smith, H&K’s point man for Chicago 2016.

1. President Obama signed an Executive Order on Jan. 21, requiring all executive appointees to sign an Ethics Pledge. Paragraph 2, from which Jarrett was specifically exempted, reads: “I will not for a period of 2 years from the date of my appointment participate in any particular matter involving specific parties that is directly and substantially related to my former employer or former clients, including regulations and contracts.”

The Solution to the Afghanistan Imbroglia

by Ramtanu Maitra

Oct. 9—President Obama held yet another long session on Oct. 7 with administration officials, debating the options for Afghanistan in the coming days. The stated objective is to stabilize Afghanistan, and to enhance the security of the United States and its allies. However, the options discussed, as reported by the news media, amount to an absurd hoax.

As of now, the administration is allegedly divided into two groups, each backed by its sycophants, who masquerade as “experts”; each tries to influence the President to adopt either a strategy based on counterinsurgency, or counterterrorism. In case of counterinsurgency, the U.S. must infuse as many as 40,000 troops, in addition to the 68,000 U.S., and 35,000 NATO troops already stationed there. In this scenario, bringing the strength of the foreign troops up to 143,000 is necessary, not only to fight and defeat the surging “Taliban,” but also to protect the Afghan people, in large population centers, and to train more Afghan National Army (ANA) personnel and Afghan Police. What comes with that formulation is the Vietnam-era’s failed strategy of “winning the hearts and minds” of the people. This phrase was borrowed by the Americans in the 1960s, from the British colonialists, who applied this cruel hoax in their former colony, Malaysia, in the 1950s.

The opponents of this argument claim that the stabilization of Afghanistan will ensue only if the “bad guys”—in this context, what is loosely identified as al-Qaeda militants—are knocked off, using drones, mis-

siles, and other electronically targetted weapons. The counterterrorism advocates claim that once Afghanistan and Pakistan are free of the militants, Afghanistan will be stable, and the U.S. and its allies will be safe. The saving grace of those who hold this view, is that the killing of Afghan citizens under the pretext of annihilating the “Taliban” is not on their agenda. They do admit that some “collateral damage” (read: killing of innocent civilians) would surely occur.

What is evident, is that proponents of both these strategies do not discuss withdrawal from Afghanistan as a necessity. They do not dwell on how long the process will take to stabilize the country, and make assertions, after eight years of squandering money and people’s lives, that the conditions that are necessary to make their schemes work exist.

The Hoax

The debate, as posed so far, has blinded most Americans, if not the President himself, to the reality: Putting a large number of troops in Afghanistan at this juncture will mean more deaths and more expense, yielding nothing. Almost 60% of the territory of Afghanistan is controlled by the insurgents, who are hell-bent to drive out the foreign occupiers. The proponents of counterinsurgency have failed to recognize the fact that the enemies of the foreign troops are not the “Taliban” alone, but insurgents of all ethnic groups. This was pointed out by Mullah Abdul Salam Zaeef, a conduit between Tal-



White House/Pete Souza

Both sides of the debate over Afghan policy—counterinsurgency vs. counterterrorism—are doomed to fail. President Obama is shown here with his commander of U.S. forces in Afghanistan, Gen. Stanley McChrystal, Oct. 2, aboard Air Force One, in Copenhagen, following Obama's rejection by the Olympic committee.

iban supremo Mullah Omar and the Afghan government, when he recently told an Associated Press correspondent that the militant leadership refers to its forces not as Taliban now, but as “mujahideen,” a throwback to the Afghan “holy warriors” who ousted the Soviet Union at the end of the 1980s. The reason is that only one out of ten militant fighters is a true “Taliban.” The rest are ordinary Afghans, Zaeef said.

Those who are aware of the ground situation know that Zaeef was not whistling in the dark. In fact, at least one very well-known Tajik warlord, based in the western province of Herat, has publicly taken up arms against the foreign troops. This commander had been on the U.S. side in 2001, when U.S. Special Forces, aided by the Tajik-Uzbek-dominated Northern Alliance, ousted the Taliban regime, within a span of six weeks, incurring minimum losses. In addition, it has become public knowledge that in many provinces of northern Afghanistan—Kunduz province, in particular—where the Pushtuns are a minority, Uzbek militants have taken control, and are now gunning for German and other NATO troops.

The second part of this hoax is the assertion that building up the Afghan National Army, which now

totals 80,000 or 90,000, according to “experts,” will help to stabilize the country. In reality, the ANA is a “foreign army” to the Pushtun-led militant groups: The vast majority of its personnel are recruited from the Tajik-Uzbek and other non-Pushtun ethnic groups to fight the Pushtun-led Afghan militants. These army personnel do not venture out in the Pushtun-dominated areas. When Gen. Stanley McChrystal, the U.S. and NATO Commander in Afghanistan, sent 4,000 Marines in July, to Helmand province, a southern stronghold of the Pushtun militants, to clear out villages and destroy opium/heroin stores, promising a quick success, he was able to mobilize only 600 ANA troops. The whole campaign has now been recognized as an abysmal failure; it has also come to light that the non-Pushtun ANA personnel did their very best not to counter their ethnic rivals in this Pushtun-dominated area.

The third part of this hoax is ignoring the cost of maintaining 240,000 ANA troops. According to one estimate, maintaining an Afghan soldier costs the United States close to \$11,000 annually, and this does not include the cost of training them. Training requires an additional \$250,000 a year for each American trainer, in an insecure environment like Afghanistan. In other words, the maintenance cost of the Afghan soldiers, if this hoax is allowed to be perpetrated, will be much greater than the GDP of Afghanistan. According to one ground-level operator, it could be as high as three times the GDP of Afghanistan.

The fourth part of the hoax is what is ignored in this argument. As pointed out in last week’s *EIR* (“The British Plan: Send More Troops, To Partition Afghanistan”), if this war is continued, with no plan to end it, it is almost a certainty that the Pakistani Pushtuns will become a part of it. And the Pushtun community in Pakistan is much larger than that in Afghanistan. This means that the draining of U.S. and Pakistani manpower and resources, not to mention those of Afghanistan, under such circumstances, would be much bigger than it ever was in Vietnam. What London understands, and fully welcomes, and Washington does not, is that such an endless war has only one possible outcome: the break-up of Afghanistan along ethnic lines.



The second part of the hoax perpetrated by the counterterrorism protagonists, is the claim that the Pakistani Army and the Inter-Services Intelligence (ISI) will go all out to eliminate al-Qaeda and the other militants. In fact, it is on the record that some Pakistani commanders operating along the Afghan borders have already told at least one tribal group in Pakistan's Federally-Administered Tribal Areas (FATA) not to attack the Taliban and other militants. One commander explained that, if the militants are killed off, "who is going to fight the U.S. troops and NATO?"

In other words, the Pakistani Army's covert, or sometimes overt, protection of the

It should also be noted that, in this part of the world, and particularly after years of bloodshed, such a partition will not come through peace negotiations. It will come out of the barrels of Kalashnikovs, rocket launchers, grenade launchers, and other targeted weapons.

While the proponents of counterinsurgency are propagating a policy which will not only bring back the morbid memories of the Vietnam War, and weaken the already economically devastated United States, the proponents of counterterrorism are lying through their teeth, as well. To get an idea of this hoax, one must take into account certain truths. To begin with, when the United States invaded Afghanistan in 2001, al-Qaeda was lodged only in Afghanistan. Today, the intelligence community points out that after eight years, al-Qaeda has bases in almost 60 countries. Killing the "bad guys" in Afghanistan-Pakistan may create a few heroes, but the fact remains, that al-Qaeda, which had been a wing of the International Islamic Movement, and its co-operators have expanded enormously.

Moreover, even if one accepts, in toto, that 9/11 was perpetrated entirely by the members of al-Qaeda, there is no evidence whatsoever that 9/11 was planned inside Afghanistan and Pakistan. All intelligence information suggests the plotters were located in Western Europe.

"bad guys" stems from the fact that foreign troops are operating on the other side of the border, and have been threatening Pakistan's sovereignty for some time. Thus, the proponents of counterterrorism will soon find out that their drones and missiles, instead of getting the "bad guys," were causing more "collateral damage," and stirring up more trouble for Islamabad.

What To Do?

After eight years of pursuing insane policies in Afghanistan, under the Bush, and now, the Obama Presidencies, Obama is left with only one option: to call a regional conference, which will include the U.S.A., Russia, China, India, Pakistan, and Iran. No organization, such as NATO, or the Shanghai Cooperation Organization, will attend; nor will Saudi Arabia, Britain, or any other European nation. This will involve only the United States, because of the circumstances that exist today, and the five regional powers. Once that conference takes place, the U.S. can bring back its troops, and earn the respect of larger regional powers.

The objective of the conference is the stability of Afghanistan, and what the regional powers can do to ensure that, and to enable the United States and NATO to get out of this quagmire. The regional powers must be told that much of the threat in that region ensues

from the violence and instability in Afghanistan.

Calling the conference, Washington must make clear that it would maintain a few of its military bases, until such time that it is unanimously agreed upon, that Kabul, with the help of the regional powers, has become stable. The regional powers also should be told clearly that it was the Saudis and the British who created the Taliban, and how and why they continue to fish in the troubled Afghan waters.

The Russians, the Central Asian nations, and perhaps the Iranians, understand, to a large extent, the role of the Saudis and Britain in Afghanistan. Since the disintegration of the Soviet Union and the emergence of Uzbekistan, Tajikistan, Kyrgyzstan, Kazakstan, and Turkmenistan, bordering Afghanistan, as independent nations, the Saudis have pumped in money to indoctrinate the citizens of these nascent states. They provided the money, and Britain provided the manpower, in the form of a religious group, the Hizb ut-Tahrir (HuT). The HuT is headquartered in England, but banned in many Central Asian states. If one were to ask Tony Blair or Gordon Brown about the HuT, one would be told that the group is “peace-loving.” Both prime ministers, despite the demands of many Britons, have refused to ban the group’s activities in Britain.

On the other hand, ask the same question of any of the Central Asian heads of state, and he would point out, that the most ferocious militant group in Central Asia is the Islamic Movement of Uzbekistan (IMU), and that almost all the members of the IMU were former HuT members. Both groups are dedicated to destroying Islamic sovereign nation-states and establishing a caliphate. Understanding all this will be vital for the future stability of Afghanistan and the region.

British Colonial Legacy Haunts the Region

In addition to these five nations’ requirements, what Washington would encounter in setting up such a conference, where each nation will have to cooperate to stabilize Afghanistan, is the continuing British colonial mindset that drives the people in power in this region.

The India-Pakistan divide is rooted in the partition of the country by the British Raj. The most glaring example of that divide is the Kashmir dispute, left



Margaret Bourke-White

The India-Pakistan conflict, which will have to be resolved for regional stability to take hold, originated in the British Raj’s partition of India, in 1947, during which millions died, were displaced, or immiserated. Shown: Rural Sikhs migrate by ox-cart to India, from the Pakistani Punjab region, 1947.

behind, and exacerbated, by London during the Cold War days. Neither India, nor Pakistan, could resolve this problem—not because a resolution could not be worked out—but the imperial mindset of divide-and-rule vibrates throughout the power corridors of both New Delhi and Islamabad. In addition, the powers-that-be in both nations practice, within their respective countries, the British-led policy of exclusion and division. In Pakistan, Balochistan and the FATA were kept virtually separated from mainstream Pakistan, and out of all developmental processes, because they were not part of the British Raj, but were, instead, British protectorates.

In India, since independence in 1947, the Northeast has been split up into smaller and smaller states and autonomous regions. The divisions were made to accommodate the wishes of tribes and ethnic groups which want to assert their sub-national identity, and obtain an area where the diktat of their little coterie is recognized. New Delhi has yet to comprehend that its policy of accepting and institutionalizing the superficial identities of these ethnic, linguistic, and tribal groups has ensured more irrational demands for even smaller states. It has also virtually eliminated any plan to make these areas economically powerful, and the people scientifically and technologically advanced.

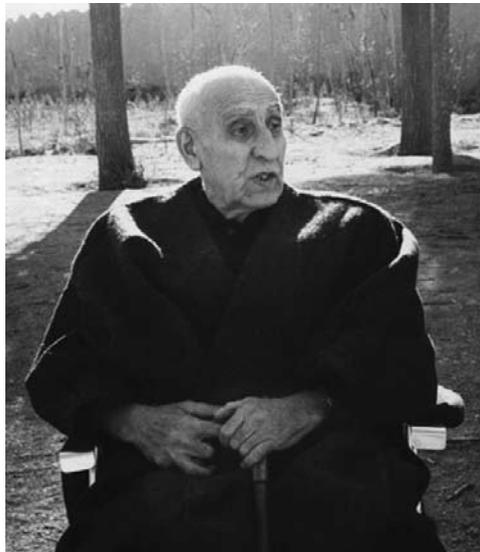
Following annexation of Northeast India, the first strategy of the British East India Company during the

1830s toward the area was to set it up as a separate entity. The British plan to cordon off the Northeast tribal groups was part of their policy of setting up a multicultural human zoo during 1850s, under the premiership of Henry Temple, the third Viscount Palmerston. Lord Palmerston, as Temple was called, had three “friends”: the British Foreign Office, the Home Office, and Whitehall. The Indian leadership never realized that, to set up a true republic, these British policies would have to be abandoned, and appropriate conditions adopted to integrate the various tribal groups.

Sino-Indian relations are also affected by British policy, which is to keep them at each other’s throats. The McMahon Line in the Himalayas, that separates India and China, along the north-eastern and central part of the boundary, was drawn by the British Raj arbitrarily, and left undemarcated, like the Durand Line that separates Pakistan from Afghanistan, as a potential conflict point. Neither Beijing nor New Delhi have been able avoid the trap; they fought a pointless war in 1962, which merely concretized their differences, which have remained settled for almost five decades.

Subsequently, when China moved in to take over Tibet, London picked up the Dalai Lama and projected him as the legitimate owner of a nation called Tibet. Although India has overcome this part of the British perfidy, the Tibet issue still lingers as one of unexpressed suspicion between the two nations.

In Iran, the British legacy goes back to the post-World War II days, when, in 1951, then-Prime Minister Mohammad Mossadegh broke off negotiations with the U.K.’s Anglo-Iranian Oil Company, in response to threats issued to Iran by imperial Britain. As Mossadegh’s nationalist faction hardened its anti-Britain stance, and moved towards nationalizing Iran’s oil production, America’s anglophile President Truman sent Amb. Averell Harriman to cool down Mossadegh. In his book, *Negotiating with Iran: Wrestling the Ghosts of History*, the U.S. diplomat John Limbert quotes the late Vernon



Iranian Prime Minister Mohammad Mossadegh (1882-1967), bluntly told the anglophile U.S. diplomat Averell Harriman: “You do not know how crafty [the British] are. You do not know how evil they are. You do not know how they sully everything they touch.” Mossadegh was overthrown in 1953, by a CIA-orchestrated coup d’état.

Walters, who attended the Harriman-Mossadegh meeting. According to Walters, Mossadegh looked at Harriman and said, “You do not know how crafty they [the British] are. You do not know how evil they are. You do not know how they sully everything they touch.” While Harriman, another anglophile, taken aback by Mossadegh’s conviction, said there are good and bad among the British, like most people, Mossadegh, who was obviously not referring to individual Britons, continued, “You do not know them. *You do not know them.*”

The tragedy in that part of the world, is that those who knew what Britain represented, such as Mossadegh, were assassinated, or removed from office. That tradition continues unabated as well, in the mindset of the leaders of

the Indian subcontinent—now broken up into three nations. To cooperate to resolve a conflict which would open up opportunities for the people that they serve, and strengthen the nation and the region in the process, remains an anathema to most of those who were, or are, in power in this region.

What To Expect

Leading up to the conference, Washington will have to do its homework, which means having direct talks with the leaders of each of these five nations, stating the U.S. interest clearly. Also, Washington must make clear that the conference will not entertain any attempt to resolve any bilateral conflicts that exist among the participating countries; but the importance of Afghanistan’s stability, in the context of the region’s stability, must be presented fully. It is evident that in getting the proverbial nod from the participating countries, Washington will be confronted with a number of demands from the regional countries. To name a few:

Iran: The country has been devastated by the Afghan opium explosion. Tehran is also deeply concerned about the Saudi-British push to bring to the fore in Afghanistan, and in the Central Asian nations, the indoctrinated Wahhabi militants. Followers of this ex-

treme orthodox variety of Sunni Islam, born in, nurtured by, and spread by Saudi Arabia, in collusion with Britain, pose a serious threat to all Islamic nation-states, but particularly to the Shi'a Republic of Iran. To a Wahhabi, a Shi'a is as much an infidel as a Hindu or Christian. In other words, Iran will be more than willing to participate in this conference, but will most certainly seek to open up bilateral relations with the United States, and work in the area as an equal partner.

Russia: Russia has also been badly affected by the opium/heroin produced in vast amounts in Afghanistan. A significant amount of opium and heroin, as well as hashish and marijuana, produced in Afghanistan, travels routinely by road to Russia, destroying its youth and criminalizing society. The drug-traffickers operate hand-in-glove with the HuT, IMU, and other criminal elements that are now operating inside Russia, in provinces such as Chechnya, South Ossetia, and Ingushetia. These groups generate cash by running drugs, to help some of the secessionist forces within Russia. Russia is also concerned about NATO's presence in Afghanistan, and Washington's use of NATO as a battering ram to weaken Russia's southern flank. It is only expected that Russia will bring up these issues with Washington in preparation for the conference.

China: China is becoming increasingly aware of the Uighur militancy being run through Afghanistan by the British. Also, a huge amount of Afghan drugs is moving into Pakistan through the wholly unpatrolled areas of Badakshan. It is kind of a free-for-all region. There is no road on which motor vehicles can travel, in this narrow strip of Afghanistan that juts inside southwestern China.

China has also deployed its defensive arsenal along the Kazakstan borders. Reports indicate that China has missiles, nuclear and non-nuclear, along these borders. From time to time, Beijing has expressed concerns about the U.S. air base in Manas, Kyrgyzstan, which is less than 40 minutes' flying time away from western China's defensive line.

In addition, China is seeking a land-based outlet to



ISAF photo/USAF Sgt. Laura K. Smith

Every country in the region, from Iran to Russia, has been devastated by the explosion of Afghan opium production and traffic. Here, Afghan Border Police examine illegal drugs and weapons seized during an ambush, Dec. 14, 2008.

the Persian Gulf. The present plan is to develop a north-south highway through western Pakistan, and make that outlet more effective, by connecting it to Afghanistan and Central Asia. The instability of Afghanistan, because of the ongoing war, and the instability in Pakistan's southwestern province of Balochistan, centered on anti-Iran activities run from this area by Britain and the United States, have prevented China from developing infrastructure in this area. Such infrastructural development would not only benefit China, but all the nations linked to those roads and railroads.

India: India's major concern in this context is the terrorism pushed into its territory, by forces that operate within Pakistan. New Delhi is convinced that these anti-India forces can be curbed by the Pakistani authorities. India's other major demand will be to secure help from Pakistan to develop a land corridor through Pakistan into Afghanistan, Iran, and Central Asia. India has already requested it be permitted to open a rail corridor through Pakistan to Europe.

Pakistan: Devastated by the insurgency that followed the U.S. invasion of Afghanistan, there is no question that Pakistan will require financial help from the United States, other foreign nations, and international financial institutions. Islamabad will also make sure that the Indian presence in Afghanistan does not become too large. Pakistan will welcome Chinese, as well as Iranian, presence in Afghanistan.

Fighter for Freedom And Dignity of Life

by Dean Andromidas

Oct. 9—The last living leader of the 1943 Warsaw Ghetto uprising, Dr. Marek Edelman, passed away on Oct. 2, at his Warsaw home. Edelman, who was 90, was a leader of the Jewish Fighters Organization in Poland, which fought against the Nazis' final attempt to liquidate the Ghetto. He escaped, and lived to fight again, in the 1944 Warsaw uprising. After the war, he waged a political struggle to free Poland from Communism.

The LaRouche movement first came into contact with Edelman, then, a prominent cardiologist in Lodz, and a respected member of the Solidarnosc movement, in August 1990, when he gave an interview to Jacques Cheminade, the leader of the LaRouche movement in France. It was first published in *Nouvelle Solidarité*, and translated for *EIR* (Oct. 19, 1990).

When asked to comment on his fight against both Nazism and Communism, he said, "Everything against which I fought during that period, all the horror of Nazism, I've found in another form in my fight against the Communist power. I've risen up against the same destruction of man by man. What counts today, the same as during the 1940s and the following years, is to become involved constantly in human freedom and the dignity of life. The only differences are the type, the method, and the means of struggle, not the struggle itself. My goals and my ideas have never changed; today they are just as up-to-date."

Speaking to Cheminade nine months after the fall of the Berlin Wall, Edelman showed considerable foresight in his concerns about the newly freed, former communist countries: "There must be a political and economic commitment of great scope from the Western European countries with respect to us. But if you are aiding someone, you must start by having a sense of charity. The West, therefore, ought to have it, even if this implies certain sacrifices on its part."



Mariusz Kubik

Marek Edelman
Sept. 19, 1919-Oct. 2, 2009

"For if the West does not accept this idea, does not undertake its responsibilities, this will cost it much more dearly, much later. We need something for Eastern Europe of the sort that the United States did for Western Europe after 1945: We need a 'new Marshall Plan.' We need the West to understand that the countries of the East must also be freed from an illegitimate debt. All this must be coordinated altogether in one plan; one lone country cannot take the initiative."

An Outspoken Critic of Zionism

At the outbreak of World War II, Edelman was a member of the anti-Zionist labor groups the Jewish Bund and the General Jewish Labor Union. When Warsaw's Jews were herded into the Ghetto, he joined the Jewish Fighters Organization (ZOB) and, as a very young man, served on its five-man leadership committee, which was led by Mordechai Anielewicz.

He was a committed anti-Zionist and a Polish patriot, a principled position that later earned him the criticism of, especially, right-wing Zionists in Israel. Former Israeli Prime Minister Ariel Sharon was particularly critical of him. In August 2002, at the height of Sharon's brutal onslaught to crush the Palestinian resistance to Israeli occupation, Edelman published an open letter to the Palestinians, written as one resis-

tance fighter to another. It was an appeal for Palestinians and Israelis alike to end the conflict. He wrote that, “nowhere in the world can a guerrilla force bring conclusive victory; nor can it be defeated by heavily armed armies. Neither can your war attain resolution. Blood will be spilled in vain and lives will be lost on both sides. . . . Both you and the State of Israel have to radically change your attitude,” and negotiate peace.

Sharon and his allies tried to condemn Edelman, with little effect. Only a few months before, the Israeli press had exposed that the Israeli Defense Forces had studied the Nazis’ own after-action report on how they had liquidated the Warsaw Ghetto, for “tips” they could use against the Palestinians.¹ This was the infamous report by Nazi SS Maj. Gen. Jürgen Stroop, entitled “The Warsaw Ghetto Is No More.” Its use by the IDF was reported in detail in “Israel: Warsaw Ghetto Methods: U.S., Europe Are Accountable,” *EIR* Feb. 8, 2002.²

Edelman’s letter to the Palestinian resistance groups was covered in *EIR* on Sept. 13, 2002 (“Israel’s Sharon Copies the Nazi War Crimes in the Warsaw Ghetto”),³ reporting on Edelman’s own account of the uprising. Written in November 1945, entitled “The Ghetto Fights,”⁴ this 30-page report is a powerful counter to that of Stroop, and one of the most important historical documents in existence detailing the methods used by the Nazis, not just to crush the will of the Jews so that they would not fight for their lives, but to strip them of their honor and human dignity as well. Even more important, it documents the spirit of resistance embodied in Edelman, including his commitment to carry on the struggle for “human freedom and the dignity of life” for another half a century. The report serves as a universal statement on endurance of the human spirit.

EIR’s coverage drew the disturbing parallels between the Nazi tactics and those used by the Israeli military against the Palestinians, including collective punishment. The March 5, 2004 issue of *EIR* (“The Ghosts of Ghettos Past: Israelis Fight for Their Nation’s Soul”)⁵

also dealt in part with these parallels, and the role of Jewish peace activists.

Edelman’s Legacy Today

Edelman’s passing has occurred in the midst of yet another crisis, no less serious for humanity than that of World War II, the collapse of the Soviet Union, or the expanding British-orchestrated wars, such as the Israeli-Palestinian conflict. It is the ongoing economic collapse that threatens to throw humanity into a new dark age. The fact that the current “health reform” policy being promoted by the Obama Administration is modeled on Hitler’s own T-4 euthanasia program, which saw its ultimate implementation in the Nazi concentration camps, should make us pause to reflect on Edelman’s struggle and the quality of his leadership.

His booklet “The Ghetto Fights” is quite useful in this respect, because it documents how the first, and most difficult task, was to “overcome our own terrifying apathy,” in order to “fight against our own acceptance of the generally prevailing feeling of panic.” Moreover, he documents how the panic created by Nazi propaganda, often far more subtle than one would think, combined with terror tactics, created passivity, such that the majority of the Ghetto’s population could not believe, until it was too late, that the Nazis were planning their mass murder—despite the evidence presented to them. These demonic tactics were not unique to the Nazis, but were grounded in the principle, albeit in the most extreme form, used by an oligarchy to maintain its power.

Yet, Edelman and his comrades were able to politically mobilize themselves and thousands around them, to demonstrate that maintaining their universal humanity was primary, and that the fatal illusions they held, to convince themselves they were preserving their lives by submission, were just that: illusions. In the early phase of the Ghetto uprising this was done through political organizing and mobilization, especially among the youth, including the setting up of makeshift schools and holding of cultural events, and then, finally, armed resistance.

In the context of the currently developing mass strike in the United States, and the fight against Nazi health proposals, a reflection on the lives of fighters such as Edelman will provide crucial lessons for today’s emerging leaders.

1. Amir Oren, *Ha’aretz*, Jan. 25, 2002.

2. http://www.larouchepub.com/other/2002/2905israel_warsaw.html

3. <http://www.larouchepub.com/eiw/public/2002/eirv29/eirv29n35.pdf>

4. <http://www.writing.upenn.edu/~afilreis/Holocaust/warsaw-uprising.html>

5. http://www.larouchepub.com/other/2004/3109isr_resisters.html

International Intelligence

LaRouche's Ideas Discussed At ENI Conference in Milan

Oct. 9—The former general director of the Italian Labor Ministry, Nino Galloni, a longtime collaborator of the LaRouche movement in Italy, addressed a Milan conference today at the Italian energy company ENI's offices, dedicated to infrastructure projects. He quoted Helga and Lyndon LaRouche at the beginning of his keynote speech on the Sicily-Tunisia undersea tunnel.

"The first time I discussed this project," he said "it was at a seminar in Wiesbaden with Lyndon and Helga LaRouche, on large-scale infrastructure projects and the need for a new world economic order. . . . Such projects are all the more important in the present crisis, since we are all orphans of great projects, such as Mattei's," citing the founder of ENI.

Galloni exposed two frauds: the "recovery," and the fraud that great projects cannot be undertaken because there is no financing. He said, "There will be no recovery. On the contrary, the present crisis of the financial system is systemic. Money is being invested into finance rather than in the real economy, and into such traps as derivatives. If we go on this way for years, we will have the total collapse of the economy," he said. Projects such as the Sicily-Tunisia tunnel would connect Italy to North Africa and on to the Sub-Saharan regions, with which one could expect an increase of trade, but "instead of financing them, private companies are waiting for the recovery to happen," and banks prefer to promote short-term financial investments.

Czech President Klaus May Yet Disrupt Lisbon Treaty

Oct. 9—Czech President Vaclav Klaus has called the acting chairman of the EU

Council, Swedish Prime Minister Fredrik Reinfeldt, to tell him that he would sign the Lisbon Treaty, only if a note is added to the text. Klaus did not specify what the note should say, but, "as far as I understood, it has to do with the EU Charter on Human Rights," Reinfeldt told Reuters. "He demanded that this addition be approved by the Council. I told him that this is the wrong message at the wrong moment, and what we need now is his signature. I do not want this demand now involving a further delay in the Treaty ratification.

"We must understand what exactly Klaus is asking. But he told us that we must wait for the [Czech] Constitutional ruling, and then, he will make clear what he wants. But since the President is actually asking for additional measures, he must clarify what he wants, and this is what I told him," Reinfeldt said.

In recent days, Reinfeldt had arrogantly dismissed Klaus's role by claiming that the Lisbon Treaty will be effective the moment the Czech Constitutional Court issues its ruling. This is factually untrue, because the President must sign it before it can become law.

Momentum for LaRouche Plan Builds Across Globe

Oct. 9—Momentum is building behind the LaRouche Plan for U.S. and world economic recovery. (For details of the plan, see this week's *Feature*.) In the past 24 hours, the following developments highlight the pattern of breakout.

- Two websites, The People's Voice in the U.S.A. and Scoop.co.nz in Wellington, New Zealand, have posted either the text or the audio of LaRouche's statement on the urgent need to implement his recovery plan, highlighting the "blue-collar recovery."

- Today, *EIR*'s Dennis Small was interviewed on Ecuador's Patricio Pilajo radio show. In an hour-long interview, Small outlined the details of the

LaRouche Plan, including LaRouche's call for a manned Moon-Mars mission, as a crucial science and technology driver. The focus was on bankruptcy reorganization. Small exposed the problems with proposals for a replacement to the dollar as the world's reserve currency.

- The Mexico LaRouche Youth Movement's (LYM) intervention today at the Second World Forum on Renewable Energy, held in Leon, Guanajuato, with a large "Obama mustache" poster and LaRouche Plan leaflets, was covered widely by the Mexican press, including the national daily *El Universal*, *Vanguardia* of Coahuila, and *El Imparcial* of Sonora. *Universal* and *Vanguardia* ran a prominent picture of the LYM intervention, with the large photo clearly visible, including the LaRouche identification, and a caption which noted that, "A group of 15 youths handed out leaflets with images of the U.S. President and Hitler next to each other, with phrases such as 'Obama's policy is Nazi genocide.'" The *Universal* headline is: "Youths Protest Against Nobel for Obama."

'There's a Limit to The Tyrant's Power!'

Oct. 9—Germans today marked the 20th anniversary of the day when half a million people took to the streets of Leipzig, Dresden, Berlin, and other cities throughout East Germany, to stand up peacefully against the communist SED regime, under the banner of the slogan "There is a limit to the tyrant's power!" The slogan was taken from Friedrich Schiller's drama *William Tell*. In Leipzig, 70,000 people gathered at Nikolaikirche and other churches for a candlelight demonstration, while the police had orders to disperse the marchers, using if necessary, violent means. However, when faced with this completely peaceful move-

Briefly

ment of people, the police withdrew and the tanks stayed in the barracks. The regime was not prepared for this dynamic.

On Oct. 9, 1989, people overcame their fears of a dictatorial regime. That the police did not intervene, has often been called the “miracle of Leipzig.” Those who were supposedly powerless defeated those who were unjustly in power. A higher principle took hold, which strengthened those participating to assert: “We are the people.” One month later, the Berlin Wall came down.

Today, festivities were held in Leipzig. Normally, this date is played down.

Today’s celebrations were capped by a concert in the historic Nikolai-kirche, led by Kurt Masur, with his Leipzig Gewandhaus Orchestra, and featuring the Thomaner Choir, once led by Johann Sebastian Bach. It included works by Beethoven, Bach, Mendelssohn, and Brahms.

Korea-China Tunnel Plan: 125 Miles Under Ocean

Oct. 9—An enormous tunnel, over 125 miles long, could be built under the Yellow Sea between the west coast of Korea and the Shangdong region of China, bringing huge benefits to the countries in the region. A study by the Gyeonggi Research Institute (GRI) under the sponsorship of China’s Shangdong Academy of Social Sciences, identifies potential benefits of about \$240 billion.

The primary benefit would come from linking express railways in the two countries. The tunnel would shorten travel from Seoul to Shanghai to 5.5 hours, and to Beijing to 4.5 hours, he said. This could result in creating a huge economic sphere linking about 24 million people in the Seoul area with some 272 million in the Beijing and Shanghai regions.

If these tunnels then link to overland railways in Central Asia, a modern version of the Silk Road will be created.

The benefits of a China-Korea tunnel were calculated without including the vast synergetic effects of extending the link east to Japan and west to Europe. Were such a route to utilize maglev technology rather than standard high-speed rail, the benefits to the region would be multiplied many times over.

Russia, U.S. Join Against Afghan Opium Scourge

Oct. 8—The Russian Federal Service for Narcotics Control is going to provide the United States with intelligence on Afghan drugs, and expects the same from the U.S., Service head Viktor Ivanov said at a Novosti press conference in Moscow today. “Cooperation between the United States and Russia was on the rise,” he said. Ivanov also stressed the need for eradication of opium poppies, referring to the success of eradication operations in Colombia.

On Sept. 24, Ivanov had cited the very effective aerial spraying of hundreds of hectares of coca plants with defoliants in Colombia in 2008, during a speech at the Nixon Center during his working visit to Washington.

Ivanov stated, in an Oct. 7 interview with AP, that he hoped that the “open-minded dialogue will encourage the U.S. to take more adequate measures” on drug control. He said he had met with Gil Kerlikowske, director of the U.S. Office of National Drug Control Policy; David Johnson, U.S. Assistant Secretary of State for International Narcotics and Law Enforcement Affairs (INL); and Paul Jones, U.S. Office of the Special Representative for Afghanistan in Washington. Both sides agreed to increased cooperation, Ivanov said, and with Kerlikowskem, they agreed to continue discussions on aerial spraying.

SECRETARY OF STATE Hillary Clinton will visit Moscow Oct. 12-14, the Russian Foreign Ministry confirmed Oct. 8. Clinton will meet Russian Foreign Minister Sergei Lavrov to discuss a new strategic arms reduction treaty, Afghanistan, Iran, North Korea, and the Middle East.

THE IRISH PEOPLE were subjected to a campaign of fear and intimidation to achieve a “yes” vote in the Oct. 2 referendum on the Lisbon Treaty, reports Anthony Coughlan of The National Platform EU Research and Information Centre, reported by the UK Column. As has been widely reported, writes Coughlan, “The bankrupt Irish political Establishment, which has ruined its country’s economy, has opted through stupidity and fear to clamp an undemocratic Constitution on itself and most of Europe.”

IN LAVIA, a proposed law would limit a homeowner’s mortgage payments to the market value of the house. This would also apply retroactively. Since housing prices have fallen 70% since the peak, most mortgages are more than 100% of the equity in their houses. The law means that the majority of the price fall will be paid by the banks.

THREE DARFUR militant opposition groups met in Cairo Oct. 3-7, under the supervision of U.S. special envoy to Sudan, Gen. Scott Graton (ret.), and signed an agreement committing themselves to a peaceful solution in Darfur as the “best of all choices.”

THE PHILIPPINES remains crippled from the effects of tropical storm Onday that hit metropolitan Manila in late September. Flooding directly killed as many as 300, with widespread damage to houses, businesses, schools, and infrastructure.

The Unified Field Theory: A Biological Perspective

Peter Martinson and Sky Shields, two of the young scientists who are participating in the LaRouche Youth Movement Basement Project, were interviewed on the Oct. 3 edition of The LaRouche Show web radio, aired every Saturday. The program was hosted by Marcia Merry Baker (www.larouchepub.com/radio).

Marcia Merry Baker: Welcome everyone. Our topic today is, “The Unified Field Theory: A Biological Perspective.” I’m very glad to have live, here in our studio with me, two guests from the Basement Project of the LaRouche Political Action Committee.

Many of you listening know that it was in July, I think, that Mr. LaRouche commissioned this “brain trust” (we’ll call it that) for the LaRouche Political Action Committee called the Basement, to look at powered manned flight, and the advanced conceptualizations that’re related to that, either in the past—Albert Einstein, Vernadsky, people in the more distant past—and so, let’s begin there, if one of you would give an overview of how you were commissioned, or what’s under way, or what’s the point of all this, let’s start.

Shields: Mr. LaRouche, today, just made the point, that he said: Look, our movement will be organizing and campaigning for this—we usually say, “Mars program,” but what we mean is the industrialization of the Moon, the colonization of Mars, and the exploration of the Solar System beyond Mars, involving the searching for resources, the development of new technologies,

everything associated with that. He told us, we are to mobilize like this, as though we’re fighting World War III, because we are. Because this really is the fight right now for the future of human civilization.

A lot of people right now, are becoming very clear, that what’s being pushed by Obama, his administration, and the behavioral economists in the administration, around their attempt at what they claim is health-care reform—that this is a Nazi policy. But the real depth of the criminality of this thing, what makes this thing so fascist, is really only clear, if you have a very clear idea of what the necessary development of the human species is in this time period: where the human species *should* be going, *could* be going, where it’s been derailed from. In that context, you can really see, that the policy direction of this current Obama Administration really is the effective death of the human species for a couple of generations yet to come.

And so, LaRouche has been making very clear to people, which direction we’re supposed to be moving. So, paint a picture for them in some detail, of what a Mars program is going to be, but that it is an economic process, where economics is the science of human development, and the study of the history of that scientific development of the human species.

So that’s been the idea, that’s what we’ve been working to pull together, as he was telling us, yesterday: Just go full-tilt; decide what’s necessary, in terms of the increased energy production, increased energy



LPAC-TV

Peter Martinson (left) and Sky Shields discussed the breakthrough scientific work of the LaRouche “Basement Team,” on The LaRouche Show Oct. 3. They are shown here, in an LPAC-TV videograb from the “Basement Roundtable,” Sept. 25. It can be viewed at <http://larouchepac.com/lpactv?nid=11956>.

consumption, all these economic questions that are necessary to keep the human species alive; and then, to make very clear the fact none of this is possible, outside of a real manned Mars program.

Economics: From the Standpoint of Mars

Baker: Do you want to fill that in, concretely? If you look back, if you have a flashback, and look at when, in simple propulsion, scientists were dealing with so many pounds of thrust, or something like that, then in multi-tons, then hundreds of tons, but in order to do just the things you started out by saying, to get to the Moon, industrialize and settle it and then get beyond: Do you want to discuss energy or power in that sense?

Martinson: Yes. You take, for example, the discussions right now around health care, that the Obama Administration is saying essentially, we are in this crisis period, we don’t have enough money, this stimulus—we thought it would work, but it isn’t quite working; we don’t have enough money for the people, so we need to select people in the population to get rid of—we’re spending too much on health care for these people. The debate in that context is totally insane. Mr. LaRouche has said, look at it from the standpoint of this Mars mission, and the economics of it becomes totally clear.

Because, how do you get people to Mars, in a condi-

tion where they can land on the surface of Mars, do productive work, and then get back to the Earth, and land on the Earth, and tell people about what they’d done? And inspire other people to go to Mars. Well, you have to get there in a way that the entire trip has to be supporting the biology of the people.

When you go into space, the first thing you’re presented with is microgravity, where you’re floating, almost weightless, and we see, within two weeks, that the body undergoes degeneration, bone loss; the bones don’t replace calcium; you have problems with your muscles shrinking and things like that. You start to mimic degenerative diseases on Earth. Some of the effects, we don’t know why they’re being caused. Some of them can be mitigated with exercise and things like

that. But if people are in space for more than two weeks, then they have to rebuild their muscles and bones when they get back to the planet.

If they go to Mars on a 200-day voyage just to get there, in weightlessness, which is all of the current proposals, we’re going to have lumps of jelly reaching Mars, that probably won’t even be able to land on the planet, and do productive work, and certainly won’t be able to come back here. So, Mr. LaRouche put a spotlight on the biological aspect, and the fact that the only way we can get people to Mars in condition where they can perform work, is if we develop nuclear fusion power, as simply the rocket propulsion for the ships that will be going there, because we have to accelerate the entire time, to create the conditions of artificial gravity. And the only way we can do that, with enough fuel and enough thrust, sustained for several days, is with nuclear fusion power.

Shields: It’s not a coincidence that this is the kind of power source we need—if we were talking about some of the goals, like people talk about some of the goals down here on Earth that have to be met, say, the development of Africa as a continent. If you think about the per-capita energy consumption of an individual in a developed country like the United States, somewhere in Europe, for the people who have a decent standard of

The first thing you have do deal with when you go into space is microgravity, where you are almost weightless, as can be seen in this photo of an astronaut who is working on the exterior of the International Space Station, April 2002.



NASA/MSFC

living; and you think about what is required to expand that kind of standard of living into Africa, into Southeast Asia, into Central Europe, Central Asia, the only kind of energy production that's capable of doing that, is nuclear energy: first fission, then fusion.

So you see the kind of spinoff effects we're going to get from a project like this, in a space program are—keeping in mind the kind of spinoff effects we got around Apollo, during the early life of the space program—the spinoff effects you'll get right now, are exactly what we need to solve economic questions, and questions we're not going to solve in any other fashion. We're not going to solve it covering the Mojave Desert, or covering the Sahara, with solar panels.

Fusion Power

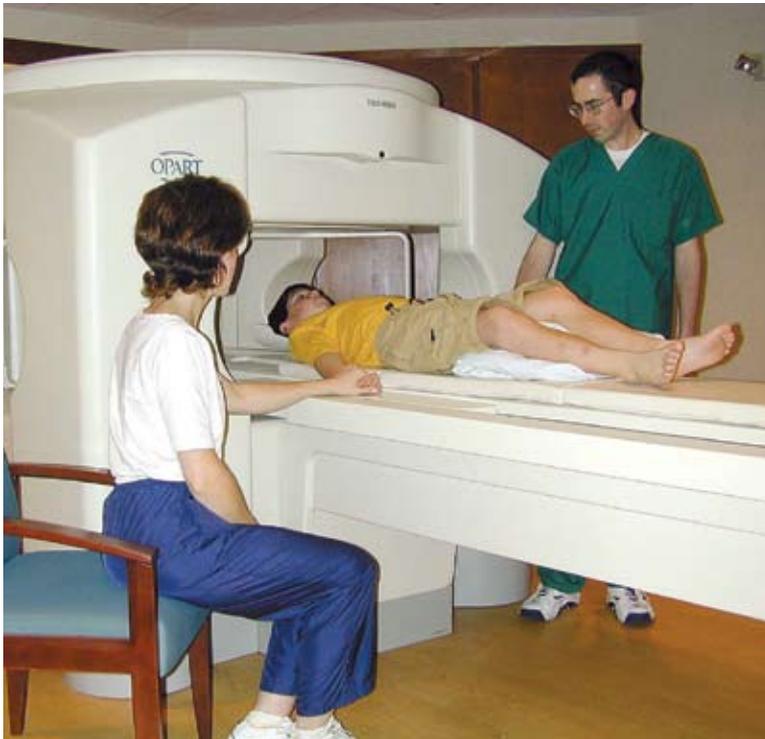
Baker: Is there any update, or line of inquiry, on fusion energy—despite the dark age that's been prevailing for the last 40 years? Let's say that right out, that we even stopped fission power, and are barely getting back to that—but is there anything to be said about that? Or is it the continued lines of inquiry that were just dropped that have to be continued?

Martinson: Well, it's true that there's some research being done on fusion, but it's not a lot. We have a National Ignition Facility in California, which is going to be running its inertial confinement fusion experiment in

the next couple of months. And that will be a big breakthrough, if it works. But that's just one step along the line of getting an actual fusion process that you can sustain for a period of time, upwards of a couple of days, at least. But then, especially to get to the point where you can actually produce power for countries and so forth.

But the mission in the United States, and around the world right now, is not one of a science-driver, which is part of the problem. Mr. LaRouche is always very clear that the core of any economics program is not how much money you're going to spend on this, where are you going to throw your money, how many speculators are you going to support in your economy? But how do you “amp up” scientific discovery, so that more and more of your population is involved in using their minds to discover how the universe functions? And right now, you don't see that in many science programs anywhere around the world! Fusion is just barely hanging on, from what I can tell, now.

Shields: That's the problem with this whole policy, this idea that you can just trickle out science, that it's possible to do these things in baby-steps. You know, you need an Apollo-style project, that's when you get densities of creativity, you get dialogues across areas of study, you get the kind of discussion and ferment that's required to make a fundamental discovery. Otherwise, you get little projects that don't go anywhere, and then



NASA/MSFC

The spinoff benefits from the Apollo space program, such as Magnetic Resonance Imaging, shown here, only hint at what is to come from future space exploration, which will provide exactly what is needed now, to solve the economic crisis.

some asshole bureaucrat decides he's going to cut the funding, because there hasn't been sufficient progress in it. And then you demoralize everybody and you don't get creativity, and you don't get the level of breakthrough that the human species needs in order to survive.

Martinson: This is the key to JFK—John F. Kennedy. Because, when he called for the Apollo program, there were already people talking about missions to Mars. There were discussions in 1960, for sending people to Mars.

Baker: Right, and Wernher von Braun's book, there was a big impact.

Martinson: Mm-hmm, around 1950 he wrote this book, where he proposed a flotilla of ships going to Mars [*The Mars Project* (1953)]. But when John F. Kennedy proposed the project of going to the Moon, his point was, we're not going to go there because we're ready to go there; we're going to go there, because we're *not* ready to go there. He said, we have to go there, because it's very hard—it's not easy, but it's hard. Because we want to drive the population to make the

discoveries that they think are impossible. And then from there, is where you get the real economic breakthroughs. And you know, we always use this figure that for every cent spent on the Apollo program, 10 cents were returned; but it's actually much more than that, because you actually had technological breakthroughs that you can't buy at Wal-Mart.

Vernadsky's Physical Space-Time

Baker: And the entire culture front, with all its problems at that time—you mentioned that there was also a series in the 1950s in a popular magazine, I think it was *Colliers*. You had the crazy sci-fi element, of just trying to minimize the excitement of the real science involved, in a cartoon style; but there was also the echelon of youth who looked at this as what would be normal in their future generation. And especially after Sputnik, of course, which was 1957.

With the kind of dark age in recent years, after manned space exploration was discontinued as a priority in the U.S., there are still areas of science, biological science, that you've been looking at, where there are clearly phenomena, things you have to think about, such

as you mentioned, the gravitation conditions.

Shields: Yes. See, this is part of the reason, the necessity of getting out into space. I mean, there are lines of investigation that were dropped.

One thing that Peter, myself, and a team working with Rachel Douglas, who's been on the show here, and whom listeners are familiar with—we've been working on translating the works of the Russian/Ukrainian scientist Vladimir Vernadsky, on a number of different subjects. But, in particular, we've been digging up a whole area of his works that hasn't been translated into English—his hypothesis and experimental evidence, for a different state of physical space-time within a living organism.

And he makes it very clear, with several convincing arguments, that the ways both time and space are expressed in a living organism, are fundamentally different than the expression you get outside. And where you'd have to apply ideas that are taken from general relativity, and developed further, in order to even begin to discuss these things. That's been dropped. Biology's now largely reduced to chemistry, organic chemistry,

except in cases where they have to stick in a few quantum or other phenomena. But there's this whole area of his work.

And so you say: How do you begin to investigate that? What sort of experiments do you do, to look at the space-time inside of a living organism? It's hard enough to find an experiment that doesn't stop your living organism from being a living organism, right? If you want to investigate the chemistry of a living organism, it's tricky to do it while it stays a living organism. So instead, you fall back on, "We'll just take an organic chemistry approach to it."

But, you look at the problem that Pete was just bringing up, you take a look at muscular atrophy in space, look at the loss of bone density, it's demonstrable. The initial idea was: Well, it makes sense. You're in micro-gravity, you're carrying less weight, you're doing less exercise, therefore your bone density will deteriorate. Because, we know, it had been discovered much earlier that your bone density increased because of load-bearing; obviously, most people are aware that your muscle mass increases with load-bearing. So obviously, people would say: Well, because of decreased load, you'd suffer a loss of bone density, you'd suffer a loss of muscle mass.

Even with rigorous exercise regimes given to astronauts on the space station, or other people who are in other zero-gravity situations, you cannot counteract the effects of zero gravity: There's more causing the loss of bone density, more causing the loss of muscle mass, than simply disuse. There's actually something about *being* in that state of zero gravity itself that causes these medical effects. So the question is: What is it?

Now, anybody who looks at some of Vernadsky's work on these questions of space-time, your first thought is, he's positing that there's a difference in the space-time within a living organism. Now, the only other place that space-time has been addressed that clearly in so experimental a way, is in Einstein's work in General Relativity. And what we saw there, is that, these different expressions of space-time are synonymous with gravitation. The effect of gravitation can at least be described, can be modeled, as a change, a curvature in your reference frame, the reference frame in which you're viewing physical space-time. Which expresses itself as a change in the curvature of space, and a change in the curvature of the rate of progression of time.

And this *is* gravitation, so now, you realize, that now, if certain properties of living matter are only ex-



NASA

Under conditions of weightlessness in space, the human body begins to experience degeneration, such as bone loss, and to mimic degenerative diseases on Earth. So, to avoid having lumps of jelly reaching Mars, we need to develop nuclear fusion power, for rocket propulsion, to create the conditions of artificial gravity. Here, an astronaut runs on a treadmill on the Space Station, to attempt to minimize the effects of zero-gravity.

plainable by the internal state of their physical space-time, then, suddenly taking a living organism into a different gravitational field, into a different—as Vernadsky calls it—"a different state of space," that suddenly, doing that, you realize, could have much more of an effect, and much more unusual effects than you would forecast otherwise. And we've seen only the beginning of that, just a glimpse of it, in what we've been able to do so far, because we've done so little real travel outside of Earth-like environment.

If we were to extend that kind of travel, if we were to really face some of these challenges that are involved in not just interplanetary travel, but then the coloniza-

tion of planets, the mining of the Moon, the mining of Mars, the mining of the Asteroid Belt, the development of these areas, we would make fundamental discoveries in biology: You know, the still unanswered question of “what is life?” But then, fundamental discoveries in: What is space? What is matter? All these things that we sort of take for granted as existing in life, exactly the same way they exist outside of life, not because we’ve got any evidence that that’s the case, but because it’s just too difficult for us to do the experimental work otherwise, to find out whether or not it is the case!

Building a Gravitational Field

Baker: On the limited experimental reports that one has, are there interesting things posed by the studies of sending plant life, or other non-human life, that could be followed up?

Shields: Certainly. The obvious thing is that there’s a whole class of things. You wouldn’t want to do the first experiment with a human being. LaRouche has proposed, he said, look, you want to put together a small ship, stick some organic material on there, stick some other instruments, and you want to put in the conditions under which we plan to put human beings, and see what happens.

LaRouche has stressed that, in order to move human beings from point to point in the Solar System, you want to create an artificial gravity environment, you want something as close to an Earth-like environment as possible. There are proposals to do this using rotating ships, etc. The ideal way to get a gravitational field that’s structured the way the Earth’s gravitational field is structured, would be simply to have the ship travel on an accelerated pathway, from point A to point B, with an acceleration that roughly matches the force of Earth gravity.

Now, he was making the point, that we assume that we know what the effects of that would be; we really don’t know what the effects of that are. I mean, you are sort of getting into a kind of a special relativistic engineering, there. In my mind, you can see the image of, you’re building into interplanetary space, you’re building a gravitational field, in effect, along the path of your travel. What does that do to the contents of your traveling ship? What does that do to space-time? You really are creating a new set of curved reference frames there.

What are you really doing? We haven’t tested that sort of acceleration, we haven’t. You’re not talking about necessarily high velocities, but you are talking about sculpting space-time. We should do that—that is

likely something you might want to try first with a—

Martinson: A dog.

Shields: Yeah, a small dog, some plant life, before you try it with your neighbor. [laughter]

Do Plants Talk to Each Other?

Baker: Speaking of back here on Earth: Are there certain kinds of things that may be open for pursuit, or have been pursued, phenomena that lie outside apparent explanation? For example, 30-some years ago, there were studies, published by the Fusion Energy Foundation, or *21st Century Science & Technology* later, about plants that were simply adjacent, that had no apparent means of communication, but influenced how each of them grew. There was a researcher in Europe, named [Fritz] Popp, who studied this, and there are many others; and there are other effects like this. I presume this is coherent with the general opening up of the questions, relevant for conceptualization for a space program.

Martinson: As I understand, Gurwitsch did several experiments like this, where he was placing plants next to each other, and showing different types of growth, some type of communication between them. And he showed that there was actually some type of radiation being passed between them. And there have been a lot of experiments after that, to show that there are some type of electromagnetic phenomena associated with life, that cause growth, cause different things.

And one phenomenon that was proven a while back, in the 1950s and ’60s, is that certain types of viruses are activated and deactivated by specific wavelengths of light. A virus can infect a cell, and it’ll lie dormant in a cell for generations of that cell, until it’s nailed by some type of ultraviolet light at a specific wavelength; then, it will start reproducing itself.

So, it’s clear that there is a very close relationship between electromagnetic radiation and life. One of the deeper questions is: Is life responding to some type of higher, unified field? In the same way that there’s a very intimate connection between life and gravity, there’s an intimate connection between life and electromagnetism which is much less understood. Are we responding, are these living creatures and so forth, responding to some type of higher unified field? Mr. LaRouche has posed that type of question.

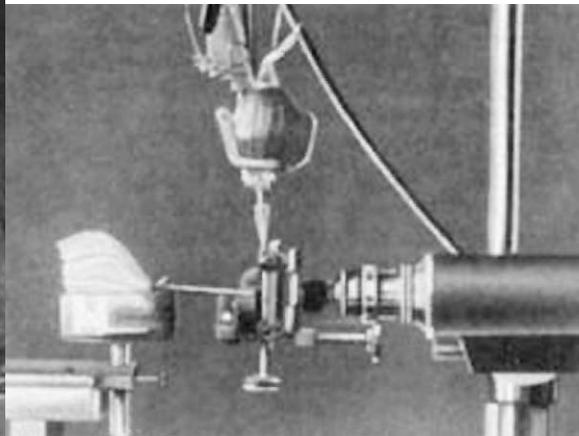
Sky probably has more to say on this.

Shields: It’s a funny thing, because this is a puzzle that is posed. Again, back to gravitational phenomena, we do have these gravitational phenomena, that are de-



Alexander Gurwitsch (1874-1954)

FIGURE 1
Gurwitsch's Famous Onion Experiment



Source: A.G. Gurwitsch, *Das Problem der Zellteilung* (The Problem of Cell Division), 1926.

The roots of two onions are positioned perpendicularly so that the tip of one root points to one side of the other root. Gurwitsch found that there was a significant increase in cell divisions on this side, compared to the opposite, “unirradiated” side. The effect disappeared when a thin piece of window glass was placed between the two roots, and reappeared when the ordinary glass (which is opaque for ultraviolet light) was replaced with quartz glass, which is transparent for ultraviolet light.

scribed. The way you see physical space-time expressed, in the face of these gravitational phenomena, is described in Einstein’s *General Relativity*.

But now, on some of the causal side of it, you realize: Okay, these are always connected with the existence of matter. The existence of these gravitational fields is something that happens, in the presence, in the immediate environment of matter, of material that has mass. At the same time, all matter produces electromagnetic effects: All matter has charge, all matter is capable of producing electromagnetic radiation, except for the most-likely-mythical “dark matter.” But there’s one thing, that I think would sort of argue for its nonexistence, is the fact that it doesn’t—

Martinson: —interact with anything! [laughs]

Shields: Yeah!

Martinson: Your imaginary friend *only* has a gravitational effect.

The Nature of Matter

Shields: Yes. But all known matter, all matter that’s known to exist, has these things—you might want to call three things, but maybe more—Pete had mentioned earlier that Riemann classes amongst these things, heat—but you’ve got heat, light, electricity, the generation of magnetic field, gravitation, all these things come in a package together with matter. Which tells you that all of those are one, or there’s one thing that you’re looking at there. Now, the attempt to unify all those into

one phenomenon, as theory, has really so far eluded some of the greatest minds, greatest thinkers.

One thing LaRouche has stressed is, that a real unified theory is not just attempting to unify all these things in the abiotic. You’re talking about, what else is a property of all matter? One property of all matter is that it’s capable, all matter is capable of being incorporated into a living process; it may not be in a living process, but it has the potential to be used in a living process, as part of what Vernadsky called the “biogenic migration of atoms”—that you’ve got a steady flow of all matter through living processes, sort of in one, and out the other—in such a way that the living organism itself, is not “faithful” to any particular matter. It’s an organizing principle that exists outside of the matter of which it’s composed. People compared it more to sort of a vortex than a structure; in the same way as a whirlpool of water is composed of water, you say, but it’s not composed of any *particular* matter. There’s water passing in, water passing out; the structure itself is almost—you want to say “meta-structure.”

So, what it means, then, if you want to look for the properties of matter, you’re leaving out quite a bit, if you’re leaving out the fact that matter, may, and most likely does, have a very unique state within a living organism, that’s very distinct from its state outside a living organism, not to mention, what role does cognition play in that? Because ultimately, this is sort of the most sublime role matter can play, is it can take part in our activities; and then again, the more practical consider-



EIRNS

In recent discussions with the Basement Team, LaRouche (shown here, with some of its members), proposed that by achieving constant-accelerated, 1g travel, man will be able, for the first time, to shape his own gravitational field.

ation, that we wouldn't even be talking about it, if we weren't here! Nobody would care it existed if we weren't here, if you didn't have cognition.

So, the question is, you have to look at these questions of life, of cognition, in order to figure out, to even answer, I'd say, even the most basic questions about what matter is. Some of the most basic questions of supposedly abiotic physics, aren't really going to be answered in that domain. They'll be answered in some complex domains. And that we're going to encounter, that we see, from the paths Vernadsky lays open to us—we see it in Aleksander Gurwitsch's work on the meta-genic radiation; we actually see it in the research of a number of American and other scientists, especially embryologists, around the turn of this last century. Around the 1920s, 1930s, there was an incredible amount of research work done, very interesting, very non-reductionist, on the electromagnetic properties of living matter, the response of living matter to different types of radiation, and the responses of living matter to changes in gravitational field, to the extent those could be experimented with on Earth.

The other ones are obviously easier: It's easier on Earth to generate radiation, to generate an electromagnetic field. We don't have a means, yet, to switch and sculpt a gravitational field at will, to check its effects on

living matter. That's something we're only going to get—we currently only have access to, as part of the space program, as part of interplanetary travel.

Mr. LaRouche's proposal to have this constant-accelerated, 1g travel, it's going to be the first time we've ever really shaped our own gravitational field. This will be our first experimental project with structuring something like that, that's entirely distinct from Earth's gravitational field.

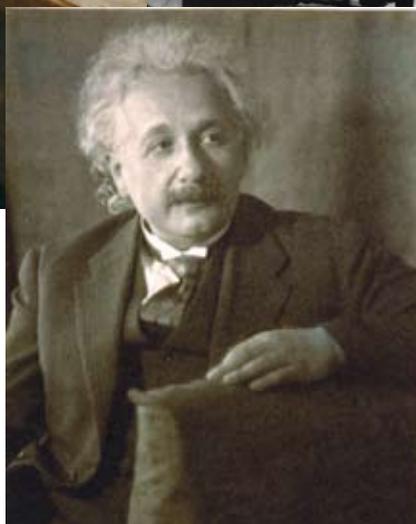
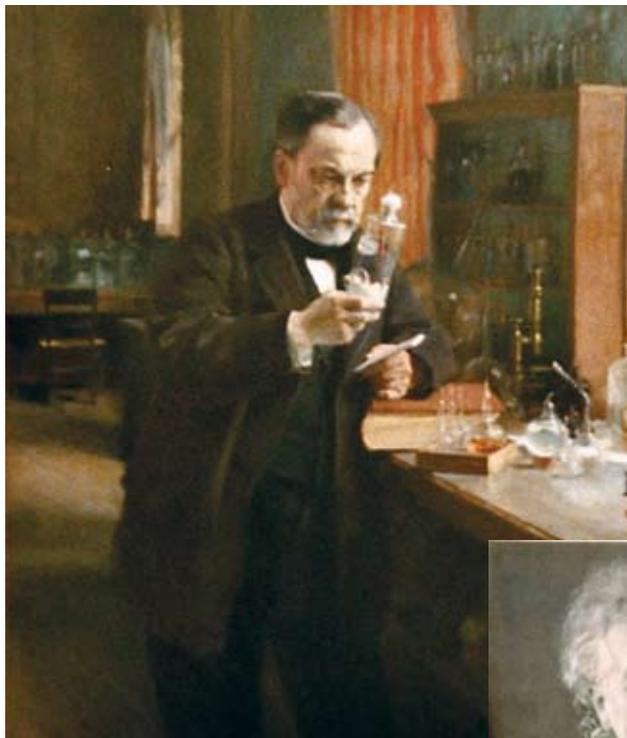
Left/Right Handedness

Baker: On that level of phenomena, this question comes up about handedness, the right-hand/left-hand, the apparent elements that are exactly the same in certain ways, but they're different depending on whether they're in

living matter, or—could you say more about that?

Martinson: So, yes, the handedness comes up. Vernadsky actually does this application of looking at non-life and life, back in the 1920s and '30s, and through the rest of his life, where he was looking at what are the distinctions between life and non-life? And he gets particularly excited when Einstein comes onto the scene with relativity, and especially the concept that space and time are not distinct quantities, but they're intertwined into one principle. And so, Vernadsky picks it apart; he says, Okay, well, we can see in non-living and living, two distinct classes of space. In the non-living, you have various types of symmetries, where you can rotate something around an axis a certain amount, and it'll look the same; like a cube, you can rotate it 90° and it'll look exactly the same. Or, you can rotate it 180°, and it will look exactly the same.

In life, you see something, you see a different expression, where Vernadsky always references this experiment of Louis Pasteur, who worked with various molecules that come up in fermentation of wine and beer, where, when you pass light through this material, before it's acted on by the yeast, nothing happens to the light. But if you pass light through this material after it's been acted on through the fermentation process, the light will actually be rotated: the plane of polarization,



Library of Congress

The great Ukrainian-Russian scientist V.I. Vernadsky (top, right) responded to Albert Einstein's discovery of relativity, by investigating properties of space-time as expressed in living processes; Vernadsky also referenced the work of Louis Pasteur (top, left), who was examining "handedness" in molecules, in the fermentation of wine and beer.

as it's called, will be rotated counter-clockwise a bit.

And Pasteur said, what happened is, the light selected out the left-handed version of molecule that was in the solution; that was as if you're looking at both of your hands; it's a molecule that has the same chemical properties, but can be formed in two mirror images. And Pasteur said, the yeast will select out and use one of those configurations, but the other one it will discard, which it left in the solution. And then Pasteur showed that this is across a whole domain of living processes, a selection of left-handed isomers, they call them; if it has a choice, it will select one of the hands of the isomers. And the isomers have different processes with light. Chemically, they're identical, but in terms of living processes—you have, I think orange and grapefruit, I think are two different isomers.

Shields: I'm not sure—maybe orange and lemon.

Martinson: Maybe orange and lemon. Or, peppermint and spearmint: They taste a bit different, but they're chemically exactly the same.

So, Vernadsky showed that, in life, you have a definite selection of a direction, but in non-life, you don't have a selection of direction. In the abiotic, direction is arbitrary.

Vernadsky looked at, since you have a physical space-time, and time and space are one physical process: Do you have handedness, or something like handedness, in time, also? In chemical processes,

non-living processes, you really don't—all the processes are pretty much reversible, like chemical reactions are reversible. But in life, you have one direction, and Vernadsky points at the evolutionary process, that you never have backwards motion in the development of species, you always have forward development. So, in life you have various aspects in time and space, that are different than you find in non-life.

Space Is Not a Box

Baker: Meaning, you can't go back and forth between states, you're going in one direction.

Martinson: In life, yes.

Shields: The point he makes is that, if you scrap this idea that there's such a thing as absolute space or absolute time—most people's idea of space and time, is that, "Space is the box in which things happen, and time is

sort of the slot along which those boxes are sequenced”—and he says, well, forget about that, that’s an abstraction, it’s an imaginary thing. There has never been observed, and will never be observed, some thing called “space,” in the absence of matter. What you call “space,” is—he gives the example of what he calls “the space of a crystal,” in an earlier translation we worked on, called “The States of Physical Space,” which was published in *21st Century Science & Technology* magazine—he says, the space of a crystal *is* the crystal. You say, “The space occupied by the crystal.” But what that is, *is* the crystal; that is the definition of the space there. And, in general, that’s what you have. You do see the beginnings of this as an idea, around general relativity, that there’s not some independent thing called “space.” That the phenomena which are ongoing, are what space and time are. Your time is, you’re looking at types and quality of change.

You make an error—take two processes that are both changing; they’re completely independent. Or, one good example, I think, is, take particle motion and wave motion. The motion of a boat along the surface of water is one thing; the motion of a wave in that exact same water, is really something quite different. Nothing actually displaces any significant distance in the direction of the wave, in the case of wave motion. Your motion, of the type that’s comparable to the boat’s motion, is actually moving at right angles to the boat, but you see this wave propagate in the same direction as the boat.

Now, those two things are *very different phenomena*. You project them, though, onto the same thing, they’ve both been projected onto your visual field. In your mind, you project them onto this absolute space, and so you treat the two as though they’re comparable, but they’re not.

And Vernadsky says the same thing, in general, about time: That time within different processes, is distinct. The naturalist, the physical scientist, as he defines it, is someone who treats it entirely experimentally, completely apart from the abstractions of absolute space and absolute time. And if you do that, you start to see all these things, handedness, or chirality, as an expression of the space of a living organism. And he treats that, along with the five-fold symmetries that you find in living organisms, as being the outward expression of the internal state of the space within that organism. These things, in normal space, in abiotic chemistry, are identical: There’s no distinction between these two hands, but whatever the space is inside of a living or-

ganism, these things can be a world of difference, in some cases between life and death for a living organism. That tells you, that what space is in there is different, and the fact that you see these different qualities of change is how you define time; that’s how you say what time is inside of a living organism.

And there are all these very peculiar things, like Pete’s mentioning the negentropic development: the fact that life is always sort of moving toward more and more complexity, in the course of its lifetime, over the course of several generations. But then you get strange things, the kind of modular character of it: Like, the fact that you’ve got the life of an organism, that you’ve got the development of organisms from generation to generation, is almost this cycle thing—birth to death, birth to death. You’ve got a structure to the type of change that you’ve got there. And he says, you can see that structure in the change, as being a projection of the state of time within the organism.

And so, it suddenly gives you a whole class of things, now, experiments you can do on chirality. What is chirality? What could it tell you? What could we do with it? Suddenly, if you’ve got scientists who are interested, engaged in that, suddenly there’s a whole class of things they could investigate that weren’t open to them before.

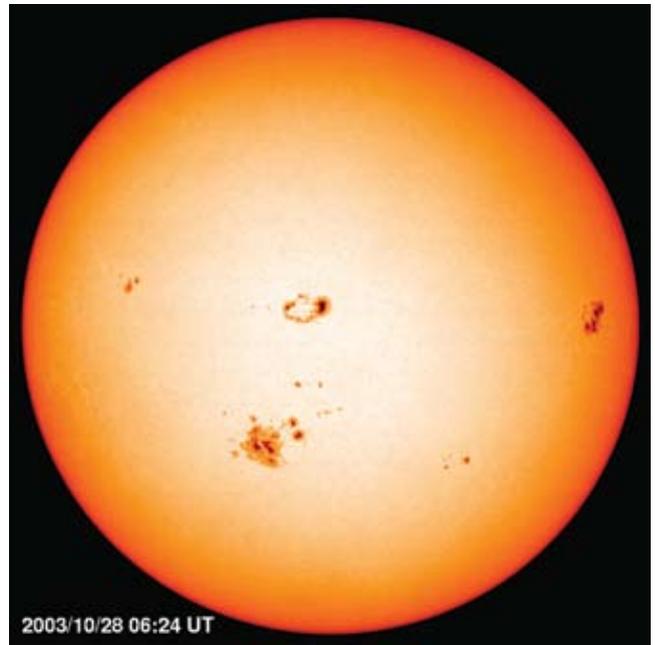
As it stands right now, the only people I could find, who are very interested in this question of chirality, are, not surprisingly, a number of people around the space program—NASA has an astrobiology institute. I think one of the major problems, is they have a real tendency toward reductionism, when dealing with a phenomenon that is so amazingly complex, and non-reductionist. But what’s helpful is watching the amount of trouble they run into, trying to account for this—

Internal Clocks

Baker: When they can raise a phenomenon, you mean?

Shields: Yes, and try to figure out, in particular, why this one-handedness inside of life? Why does it matter? In the lab, it doesn’t matter. For the chemical character of these things, it doesn’t matter. For certain physical properties, it does, in particular, its interaction with light; the one thing we know, they have the two hands of the same molecule.

Again, for our listeners, we’re talking about, for these two different-handed states of the same molecule, you’re talking about the exact same molecule, exact same chemical composition, exact same behavior under



SOHO (ESA & NASA)

With high Solar activity, cosmic rays are blocked from reaching Earth; but, with the recent low Solar activity, cosmic rays will hit the Earth, producing cloudy Summers, such as this past one; this Winter is set to be very, very cold, a very serious Winter. Left: The Sun today (Oct. 9, 2009), with no Sunspot activity; right: the Sun on Oct. 28, 2003 shows significant sunspot activity.

every possible chemical process you would use to try and determine its identity; but now, completely distinct, in the way they behave in life, and distinct in their interaction with light.

Now, again, you can see this gets right back to what we were discussing before with Gurwitsch and these other ideas, because light is an electromagnetic phenomenon. Suddenly, you see that; you get a vague idea that it requires being subject to more experiment. But you see, again, that suddenly life and electromagnetism have this very close relationship, very important functional relationship, that's not accidental.

One point that's interesting, and maybe Pete will go more into, is you've got a real close connection between the electromagnetic phenomena, and other radiative phenomena, from outside the planet, from the Sun, and from other bodies, and larger-scale processes on Earth, like evolution. Not to mention smaller-scale things, like organisms' "internal clocks." But definitely long-term processes, you've got a real clear correlation there.

Martinson: It's funny, right now, people probably know that we're at this minimum in Solar activity, where we just had two sunspots appear for a month, and then they disappeared. We're at the longest Solar activity minimum for a century—this is the lowest activity we've seen. And it's been shown by certain people, like

Svensmark, for example, in Europe, that cosmic rays tend to create cloud phenomena on the Earth, but only when you have less activity in the Sun. So that the Sun, when it's very active, it's actually buffeting out these cosmic rays, which don't come from inside of our Solar System. It looks like they come from somewhere else in the galaxy. When you have high Solar activity, cosmic rays don't have an easy time getting to the Earth. But when you have low Solar activity, cosmic rays will hit the Earth, and, you'll have things like very cloudy Summers; if you remember, this whole Summer's been very cloudy, and this Winter is set to be very, very cold, a very serious Winter.

Svensmark correlates low Solar activity with the onset of ice ages. And if you look, there has been some work, correlating beginnings of ice ages, ends of ice ages, beginning of glacial cycles, and things like that, with explosions of evolutionary development of creatures on the planet, like mass extinctions, for example. Now, a lot of these guys try to explain mass extinctions by—you know, "These animals get super cold because it's an ice age, we've really got to watch out for the changing climate, because we're going to freeze to death."

Baker: Plant growth changes—

Martinson: Plant growth changes. But what you see,

is actually, the timings are not quite correlated. But what it does bring to question is: Do you have evolutionary changes in life correlated to changes of cosmic rays, or other types of radiation hitting the Earth? Because we were just discussing, Sky and I, for the last couple of days, the fact that the human genome has been decoded—we know what the whole human genome is—and they found whole swaths of the human genome are made up of virus DNA. So, whole sections are actually coded viruses, that are just lying dormant in our own DNA.

Now we know that viruses are activated and deactivated, and so forth, with radiation, so it's a potential that, since viruses can transfer DNA from one species to another—and we've seen this in bacteria—viruses give you new DNA.

It's a potential that evolution is correlated in some way between radiation coming from outside of our [Solar System], from the galaxy, and viruses transmitting DNA material: Maybe there's some kind of interaction.

Shields: The point you made once, that made a good impact on me, was the high selectivity of these mass extinction events. You mentioned frogs, like the frogs survived some of these!

Martinson: Supposedly the dinosaurs were wiped out by an asteroid that hit the Earth and covered the Sun and all this. But some of the wimpiest creatures sur-

vived the asteroid hit—like frogs: You know, frogs are very sensitive to what happens in their environment. If you have the Sun blotted out, and it's wreaking havoc on these giant creatures, frogs are going to get wiped out, too; but they weren't.

Shields: So, it seems there's some kind of process that's got this high selectivity, that's able to very carefully, eliminate certain species, certain whole families. But then, very carefully, come up with these, frankly, very, very intricate evolutionary changes, and creating these very intricate types of interrelations.

It's funny hearing people trying to explain some of these things, by just, like what they call the "selective pressures": They're tripping to try and explain these things by just an animal adapting to its environment.

A 'Chicken-and-Egg' Problem

Baker: Environmental stress, or something.

Shields: Yes, exactly. But then, you realize, in almost all of these cases, you get a much more authentic chicken-and-egg problem, than even the chicken and the egg, where you say, "Which one of these animals evolved first? And how did it survive for the millions of years it took the other one to evolve?"

Martinson: Like certain birds, that are just exactly designed for the flower they go to, or the bug that's perfectly designed for the flower.

Shields: Mm-hmm! Where the bug won't survive without eating the food being produced, and the plant won't survive without the bug aiding in its reproduction. So you realize that there's something here, that's much more—and this gets into the whole endless, mindless creationism versus mindless evolution debate. Where both sides of the thing are mindless. Really, you've got a much more intricate, dynamic process there, that's going to require introduction of whole new scientific concepts to be able to describe and discuss, to see what evolution is, to understand the level of detail and complexity that's involved in it.

Martinson: You know, we were discussing a while back, the issue of when embryology—people have been looking at embryos for a long time, but at a



EIRNS/Bonnie James

Certain birds, or insects, like this butterfly, are exactly designed for the flowers they light on: The bug won't survive without eating the food of the plant, and the plant won't survive without the bug aiding in its reproduction.

certain point, it became experimental embryology, where you can change the embryo, you can pluck pieces off the embryo, take part of another embryo, and put it on another one to see what happens.

When we go into things like space flight, like when we start traveling to other planets, the question is going to come up: Well, can we take another planet like Mars and transform it into an Earth-like habitat? Can we terraform it? And I think that's the point where we're going to be running into questions of experimental evolution: What types of problems are we going to run into, when we're trying to generate a Biosphere, on another planet? Like, for example, when we leave the Earth, we're going to be leaving our magnetic field—the Earth has a pretty hefty magnetic field. Mars doesn't have a magnetic field—it used to have one, but it doesn't any more. So, are we going to run into problems, are we going to have to create certain type of electromagnetic environments, for creatures?

Shields: That's a real question. Most discussions of terraforming now, operate on the basis of what I like to call the "mold hypothesis": that life is just this mold that grew on Earth, the rock, as it hurtled through interplanetary space. And that's the description, "Oh, life is so hearty, it figures out how to survive in these harsh, harsh environments!" Which is, really like a "mold"—it grew there and somehow it survived, despite the fact that there's intense radiation; somehow it grew, despite the fact that there's incredible temperatures by these geothermal vents. And if you start from the standpoint that, maybe life was developed there, *by* those conditions, that there's something about the electromagnetic state of our Solar System, of our Sun; you look at how much effort has gone into this interaction between our Sun, radiation from outside the Solar System—I mean, it's very complex, if you look at this: The Sun acts, not just as a simple moderator, to stop radiation from coming to the Earth, or to let it through. Much of the radiation that hits the Earth that comes from outside the Solar System, is accelerated *into* the Earth by the Sun's electromagnetic field; the Sun directs it *at* the Earth. The Sun is playing a *very* active sculpting role—

Terraforming Mars

Martinson: Perhaps even a creative role.

Shields: Yes, exactly! Exactly.

So, if that's the case, then, what do we need to recreate, if we want to recreate life on some planet like Mars. When you start talking about terraforming—really,

honestly talking about it—you're discussing more than just dropping some anaerobic bacteria onto the surface of Mars or something. There's a lot that goes into that, and if we can answer some of those questions, we'll figure out some fundamental questions about life on Earth—fundamental, practical ones! I mean, if you can figure out the possible role that viruses will play in evolution, the possible role that they play in their response to larger-scale phenomena—I mean, you get all these seasonal viruses and other things, that seem to be very clearly correlated to astronomical and other phenomena—if you can figure out what governs their electromagnetic behavior, you could a) stop them from killing us, in the cases that they do; but b) maybe figure out a way to use them as something much more beneficial than they have been up until now.

But all this stuff sort of points at the necessity of having a real frontier approach to physical science and economics. If you don't have that, if you don't have this sort of long-term view that LaRouche is calling for, of a Mars project, but really, a Solar System-and-beyond colonization project—if that's not your view, I can guarantee you, not only will many of these questions never be answered, but they're going to kill us, and they're going to kill us in the short term. The human species' nature, is exploration and expansion, with the expansion of what Vernadsky called "the Noösphere." He had these two concepts of the Biosphere and the Noösphere, and their nature is to expand and to develop. And right now, we're up to the plate: It's our responsibility to figure out how to move the human species, with us, the Biosphere, off of Earth, into the rest of interplanetary space, colonize the Solar System, and if we don't do that, we're going to die—we'll have proven ourselves unfit for survival.

Martinson: I'll say, just on that, Mr. LaRouche has produced several papers, recently, a trilogy, where he's highlighted this concept of the Type B personality over the Type A personality, where the Type A is the regular person in the population—

Baker: "I know what I see"—

Martinson: "I know what I see." You know—"I like Obama," or "I don't like Obama." "I don't like Obama's wife." Right? Just very sense-oriented. Versus the Type B personality, who is creative, who believes that there are principles in the universe, which are reflected to your senses, but which are not directly—you're not actually seeing the principles, you're seeing



NASA/JPL-Caltech

tific development, therefore, we don't have enough to go around—so, who do we kill?"

Baker: Yes, "Let's accommodate to this insanity, that the Earth's resources are fixed, space is fixed, time is fixed, Newton said so." If you want to be academic, right?

Shields: Yeah, right! So, now let's kill grandma, right, that's *Newsweek's* argument for it. And it's a lack of vision. And, it *is* fascist, and that's the core of it! This is what you're really talking about when you're talking about a fascist policy. I mean, it *really is* a policy that redirects mankind from that destiny, that says, "We're going to stop this creative development of the human species and we're going to try and figure out how to sustain, we're going to push for sustainable development." This is why the green ideology, the environmentalist ideology, is inherently fascist. There's no way it can express itself that's not fascist, because its existence is in order to prevent this sort of development, prevent the actual progress and expansion of the human species. Its stated mission is that.

Can we take another planet, like Mars, and transform it into an Earth-like habitat? Can we terraform it? What types of problems are we going to run into, when we're trying to generate a Biosphere, on another planet? This artist's conception of the Mars Rover, shows a robotic arm with an abrasion tool to grind away the rock's surface, allowing scientific instruments to analyze the rock's interior.

the results—they're the creative, scientific thinkers.

Now, some people have said, "Mr. LaRouche, you keep saying we're in the greatest economic crisis in history, we're about to go into an international holocaust, where we could lose most of the world's language-cultures—we could lose French, for example—why are you concentrating on Type A versus Type B people? Why aren't you just talking about economic policies the whole time?"

Well, the point is, Mr. LaRouche's concept of economics really does—it's physical. The idea that man survives on his creativity, and on his ability to make scientific discoveries, is a physical concept, which is what we've been getting at this whole time: that human survival right now, does depend on the types of scientific expansion and development, that something like a real space exploration program entails.

Shields: If people want to see what the reality of the thing is, when you cut that off, then, what're you stuck with? You're stuck with the discussion that we began the show with, which is, "Well, we're not going to expand, we're not looking for new resources, there's no scien-

Martinson: Green jobs are for dead people, actually.

Baker: That's right. And you know them, by who supports them—that's not the topic today, but we'll keep that in mind!

And just to underscore again, Pete just mentioned the trilogy of papers Lyn has written on the science of the physical economy. And he's working on another one, which I'll just alert people to, in order to subscribe to EIR Online, give heavily to LaRouche Political Action Committee, and watch for "The LaRouche Plan: Rescuing the World's Economy," which is underway [see this week's *Feature*].

And this is definitely just the beginning, and I thank Sky Shields and Peter Martinson, and ask you to listen to The LaRouche Show weekly.

London Pushes Dollar to ‘Breaking Point’

Do your eyes begin to glaze over, when people start talking about the exchange rate of the U.S. dollar? Well, listen up: It’s a big deal. The City of London, home base of the British Imperial Financial Empire, is moving to break the U.S. dollar, as a key strategy in its drive to destroy the United States, and usher in a New Dark Age.

Lyndon LaRouche has warned them: You can forget the U.S. economy, the global economy, and the world’s population, if you “succeed” in provoking a dollar crash. One day after LaRouche issued his “LaRouche Plan” for rescuing the world’s economy (see this week’s *Feature*), new crimes of the Federal Reserve and U.S. Treasury in destroying that economy have come to light.

“Dollar Reaches Breaking Point as Banks Shift Reserves” was the Bloomberg News headline Oct. 12; the article reports that numerous foreign central banks are taking the British bait and moving out of the dollar and into the euro and the yen. Added to this, were commentaries and “news reports” throughout the British press, trumpeting of the impending dollar collapse. Meanwhile, Britain’s puppet in the White House, President Obama, and Fed chairman “Helicopter Ben” Bernanke, et al., have adopted the British policy of pushing the dollar down.

However, according to a knowledgeable source in Washington, the truth is even more insidious. The fact is, that the Fed is willfully carrying out a controlled devaluation of the dollar. It has lost 60-70% of its value since the beginning of the crisis. The Chinese, who hold large amounts of dollar-denominated securities, are quite alarmed, while even the oil-soaked Gulf states are nervous. They may be getting over \$70 for oil, but the oil is denominated in dollars, which are down.

At the same time, driven by the hyperinflationary policies of the central banks, and renewed speculative fervor among the financier predators, the price of gold is being pumped up to unprecedented heights, and playing into the British gambit aimed at replacing the dollar.

A Barclays Capital study, reviewed by Bloomberg, documents a dramatic shift of foreign central banks’ new reserve purchases out of the dollar, and into the euro and yen. Since 1999, the average composition of central bank currency purchases has been 63% dollars, 37% other currencies. But in the second quarter of this year, those purchases were completely reversed: The average was 37% dollars, 63% other currencies.

Well-informed Washington sources confirmed to *EIR* that significant movements out of the dollar are indeed underway—and that the Federal Reserve continues to purchase Treasury bills in order to keep pumping liquidity into the exploding global system, further driving down the dollar’s value.

The British plan is given expression in the comments of a Milan-based money manager, quoted in Bloomberg: “The diversification out of the dollar will accelerate ... the U.S. will not be the same powerful country that it once was.”

That, at least, is London’s intention—and it will be the case if the LaRouche Plan for bankruptcy reorganization is not immediately implemented.

“The Fed’s policies are tantamount to treason,” LaRouche charged, and they must be stopped. “When we implement the measures which I have laid out, to rescue the economy, the gold price will go down, and the dollar will go up,” because we’ll be producing again.

See LaRouche on Cable TV

INTERNET

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

INTERNATIONAL

THE PHILIPPINES

- MANILA Ch.3: Tue 9:30 pm

ALABAMA

- UNIONTOWN GY Ch.2: Mon-Fri every 4 hours; Sun Afternoons

ALASKA

- ANCHORAGE GCI Ch.9: Thu 10 pm

CALIFORNIA

- CONTRA COSTA CC Ch.26: 2nd Tue 7 pm
- COSTA MESA TW Ch.35: Thu 5:30 pm
- LANCASTER/PALMDALE TW Ch.36: Sun 1 pm
- LONG BEACH CH Analog Ch.65/69 & Digital Ch.95: 4th Tue 1-1:30 pm
- ORANGE COUNTY (N) TW Ch.95/97/98: Fri 4 pm

COLORADO

- DENVER CC Ch.56 Sun 10 am

CONNECTICUT

- GROTON CC Ch.12: Mon 5 pm
- NEW HAVEN CC Ch.23: Sat 6 pm
- NEWTOWN CH Ch.21: Mon 12:30 pm; Fri 7 pm
- NORWICH CC Ch.14: Thu 7:30 pm
- SEYMOUR CC Ch.10: Tue 10 pm

DISTRICT OF COLUMBIA

- WASHINGTON CC Ch.95 & RCN Ch.10: Irregular

FLORIDA

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

ILLINOIS

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

IOWA

- QUAD CITIES MC Ch.19: Thu 11 pm

KENTUCKY

- BOONE/KENTON COUNTIES IN Ch.21: Sun 1 am; Fri Midnight
- JEFFERSON COUNTY IN Ch.98: Fri 2-2:30 pm

LOUISIANA

- ORLEANS PARISH CX Ch.78: Tue 4 am & 4 pm

MAINE

- PORTLAND TW Ch.2: Mon 1 & 11 am; 5 pm

MARYLAND

- ANN ARUNDEL CC Ch.99; FIOS Ch.42: Tue & Thu: 10 am; Fri & Sat: midnight
- P.G. COUNTY CC Ch.76 & FIOS Ch.42: Wed & Fri: 6 pm
- MONTGOMERY COUNTY CC/RCN/FIOS Ch.21: Tue 2 pm

MASSACHUSETTS

- BROOKLINE CV & RCN Ch.3: Mon 3:30 pm; Tue 3:30 am; Wed 9 am & 9 pm;
- CAMBRIDGE CC Ch.10: Tue 2:30 pm; Fri 10:30 am
- FRANKLIN COUNTY (NE) CC Ch.17: Sun 8 pm; Wed 9 pm; Sat 4 pm
- QUINCY CC Ch.8: Pop-ins.
- WALPOLE CC Ch.8: Tue 1 pm

MICHIGAN

- BYRON CENTER CC Ch.25: Mon 2 & 7 pm
- DETROIT CC Ch.68: Irregular
- GRAND RAPIDS CC Ch.25: Irreg.
- KALAMAZOO CH Ch.20: Tue 11 pm; Sat 10 am
- KENT COUNTY (North) CH Ch.22: Wed 3:30 & 11 pm
- KENT COUNTY (South) CC Ch.25: Wed 9:30 am
- LAKE ORION CC Ch.10: Mon/Tue 2 & 9 pm
- LANSING CC Ch.16: Fri Noon
- LIVONIA BH Ch.12: Thu 3 pm
- MT. PLEASANT CH Ch.3: Tue 5:30 pm; Wed 7 am
- SHELBY TOWNSHIP CC Ch.20 & WOW Ch.18: Mon/Wed 6:30 pm
- WAYNE COUNTY CC Ch.16/18: Mon 6-8 pm

MINNESOTA

- ALBANY AMTC Ch.13: Tue & Thu: 7:30 pm
- CAMBRIDGE US Ch.10: Wed 6 pm
- COLD SPRING US Ch. 10: Wed 6 pm
- COLUMBIA HEIGHTS CC Ch.15: Tue 9 pm
- DULUTH CH Ch.20: Mon 9 pm; Wed 12 pm, Fri 1 pm
- MARSHALL Prairie Wave & CH Ch.35/8: Sat. 9 am
- MINNEAPOLIS TW Ch.16: Tue 11 pm
- MINNEAPOLIS (N. Burbs) CC Ch.15: Thu 3 & 9 pm
- NEW ULM TW Ch. 14: Fri 5 pm
- PROCTOR MC Ch. 12: Tue 5 pm to 1 am
- ST. CLOUD CH Ch.12: Mon 6 pm
- ST. CROIX VALLEY CC Ch.14: Thu 1 & 7 pm; Fri 9 am
- ST. LOUIS PARK CC Ch.15: Sat/Sun Midnite, 8 am, 4 pm
- ST. PAUL CC Ch.15: Wed 9:30 pm
- ST. PAUL (S&W Burbs) CC Ch.15: Wed 10:30 am; Fri 7:30 pm
- SAULK CENTRE SCTV Ch.19: Sat 5 pm
- WASHINGTON COUNTY (South) CC Ch.14: Thu 8 pm

- WASHINGTON COUNTY (South) CC Ch.14: Thu 8 pm

NEVADA

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

NEW HAMPSHIRE

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

NEW JERSEY

- BERGEN CTY TW Ch.572: Mon & Thu 11 am; Wed & Fri 10:30 pm
- MERCER COUNTY CC Trenton Ch.26: 3rd & 4th Fri 6 pm Windsors Ch.27: Mon 5:30 pm
- MONTVALE/MAHWAH CV Ch.76: Mon 5 pm
- PISCATAWAY CV Ch.15: Thu 11:30 pm
- UNION CC Ch.26: Irregular

NEW MEXICO

- BERNALILLO COUNTY CC Ch.27: Tue 2 pm
- LOS ALAMOS CC Ch.8: Wed 10 pm
- SANTA FE CC Ch.16: Thu 9 pm; Sat 6:30 pm
- SILVER CITY CC Ch.17: Wed 8-10 pm
- TAOS CC Ch.2: Thu 7 pm

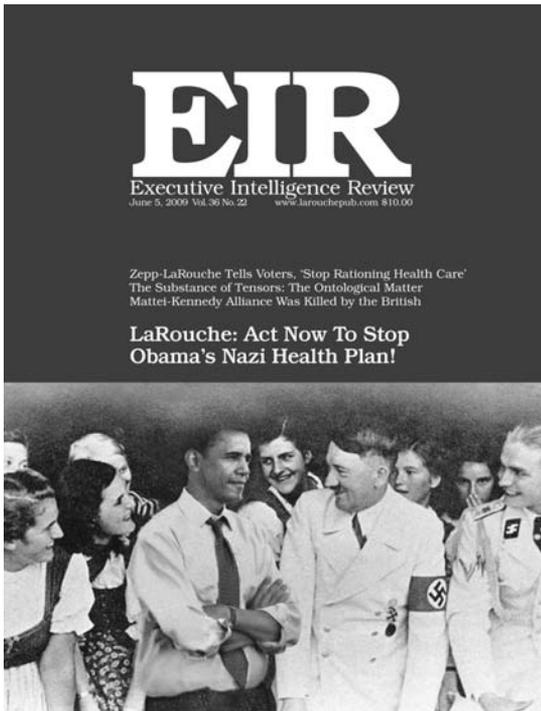
NEW YORK

- ALBANY TW Ch.18: Wed 5 pm.
- BETHLEHEM TW Ch.18: Thu 9:30 pm
- BRONX CV Ch.70: Wed 7:30 am
- BROOKLYN CV Ch.68: Mon 10 am TW Ch.35: Mon 10 am RCN Ch.83: Mon 10 am FIOS Ch.43: Mon 10 am
- BUFFALO TW Ch.20: Wed & Fri 10:30-11pm
- CHEMUNG/STUEBEN TW Ch.1/99: Tue 7:30 pm
- ERIE COUNTY TW Ch.20: Thu 10:35 pm
- IRONDEQUOIT TW Ch.15: Mon/Thu 7 pm
- JEFFERSON/LEWIS COUNTIES TW Ch.99: Irregular
- MANHATTAN TW & RCN Ch.57/85 Fri 2:30 am
- ONEIDA COUNTY TW Ch.99: Thu 8 or 9 pm
- PENFIELD TW Ch.15: Irregular
- QUEENS TW Ch.56: 4th Sat 2 pm RCN Ch.85: 4th Sat 2 pm
- QUEENSBURY TW Ch.71: Mon 7 pm
- ROCHESTER TW Ch.15: Sun 9 pm; Thu 8 pm
- ROCKLAND CV Ch.76: Tue 5 pm
- SCHENECTADY TW Ch.16: Fri 1 pm; Sat 1:30 am
- STATEN ISLAND TW Ch.35: Mon & Thu Midnite. TW Ch.34: Sat 8 am
- TOMPKINS COUNTY TW Ch.13: Sun 12:30 pm; Sat 6 pm
- TRI-LAKES TW Ch.2: Sun 7 am, 1 pm, 8 pm
- WEBSTER TW Ch.12: Wed 9 pm
- WEST SENECA TW Ch.20: Thu 10:35 pm
- HICKORY CH Ch.6: Tue 10 pm
- MECKLENBURG COUNTY TW Ch.22: Sat/Sun 11 pm
- AMHERST TW Ch.95: 3X Daily
- CUYAHOGA COUNTY TW Ch.21: Wed 3:30 pm
- OBERLIN Cable Co-Op Ch.9: Thu 8 pm
- NORMAN CX Ch.20: Wed 9 pm
- BRISTOL, BARRINGTON, WARREN Full Channel Ch.49: Tue: 10 am
- EAST PROVIDENCE CX Ch.18; FIOS Ch.25: Tue: 6 pm
- STATEWIDE RI INTERCONNECT CX Ch.13; FIOS Ch.32 Tue 10 am
- HOUSTON CC Ch.17 & TV Max Ch.95: Wed 5:30 pm; Sat 9 am
- KINGWOOD CB Ch.98: Wed 5:30 pm; Sat 9 am
- BRATTLEBORO CC Ch.8: Mon 6 pm, Tue 4:30 pm, Wed 8 pm
- GREATER FALLS CC Ch.10: Mon/Wed/Fri 1 pm
- MONTPELIER CC Ch.15: Tue 10 pm; Wed 3 am & 4 pm
- ALBEMARLE COUNTY CC Ch.13: Sun 4 am; Fri 3 pm
- ARLINGTON CC Ch.69 & FIOS Ch.38: Tue 9 am
- CHESTERFIELD COUNTY CC Ch.17; FIOS Ch.28: Mon 1 pm
- FAIRFAX CX & FIOS Ch.10: 1st & 2nd Wed 1 pm; Sun 4 am. FIOS Ch.41: Wed 6 pm
- LOUDOUN COUNTY CC Ch.98 & FIOS Ch.41: Wed 6 pm
- ROANOKE COUNTY CX Ch.78: Tue 7 pm; Thu 2 pm
- KING COUNTY CC Ch.77: Mon 11 am, Wed 7 am BS Ch.23: Mon 11 am, Wed 7 am
- TRI CITIES CH Ch.13/99: Mon 7 pm; Thu 9 pm
- MARATHON CH Ch.10: Thu 9:30 pm; Fri 12 Noon
- MUSKEGO TW Ch.14: Sat 4 pm; Sun 7 am
- GILLETTE BR Ch.31: Tue 7

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