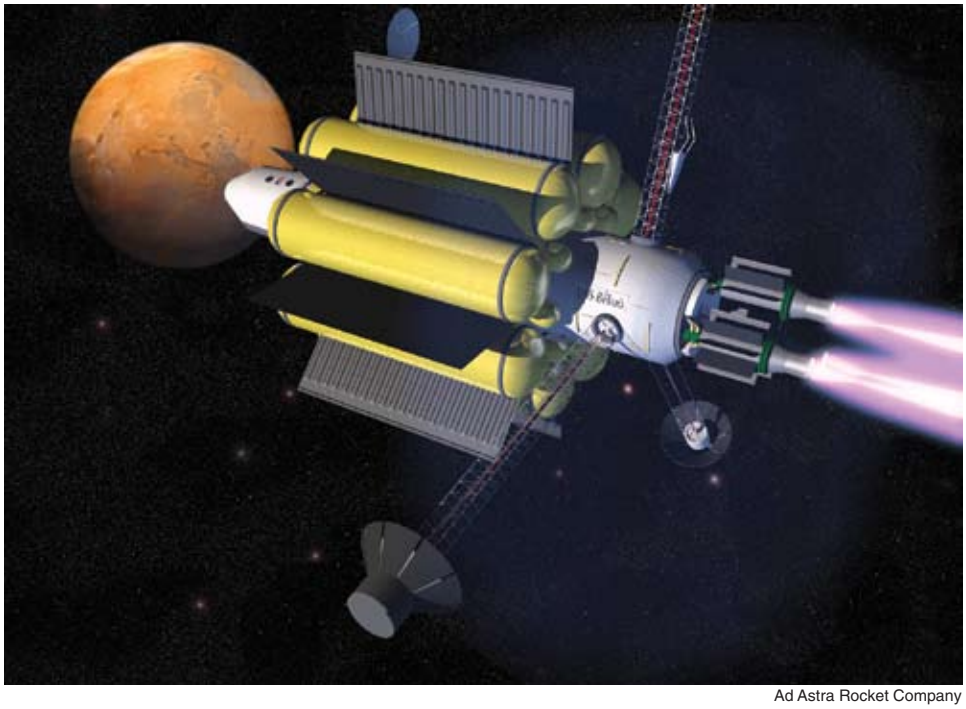
V. My Science of Physical Economy

. . . henceforth, space by itself, and time by itself have vanished into the merest shadows, and only a kind of blend of the two exists in its own right.
—Hermann Minkowski, 1907.

At this point, many readers will profess themselves to be perplexed about the way in which my treatment of the subject of economy differs so greatly from what they have both been taught and otherwise accustomed to regard as the subject-matter of economy. Especially if they are professional specialists in what is usually taught and debated as within the bounds of the standard subject of "economics," what I have written here thus far, seems very distant from the typical questions and supposed answers exchanged during discussion identified as "economics." That apparent problem is essentially a reflection of that fact, that what is defined as the scope and content of discussions of economic policy has very little do with those aspects of human nature which are actually relevant to the ways in which the well-being and progress of the human condition may be actually fostered scientifically.

The academic and related sorts of discussion of what is regarded usually as "economics," really have nothing much to do with human nature, as distinct from that of both the beasts and the slaves who constitute the generality of humanity under a Physiocratic scheme, for example. A competent science of economics treats the subject of *anti-development* of human culture, and proceeds so with the intent of enabling mankind not only to rise above the population potentials and conditions of life among the higher apes, but to master the improvement of mankind's power to increase our species' dominant role over the planet's living population, to the extent that we enjoy a population nearing seven billions living persons on this planet today.

The latter gain is an expression of the progress of evolution of culture. It is the progress of culture, as expressed in mankind's willful increase of its potential relative population-density, life-expectancy, and power over the planet, which is the only possible source of these advances in both the human condition and in those alterations of the physical potential of the planet on which that improvement for humanity depends. The proper definition and mission of "economics" is the political improvements on which the maintenance and advances of the human condition depend.



Ad Astra Rocket Company

A true science of economics deals with the improvement of mankind's power to extend the human habitat into areas of our Solar System beyond the bounds of our Earth's atmosphere. Here, an artist's conception of a manned VASIMR plasma-rocket-powered spacecraft nearing Mars.

The facts which I have just summarized in that way, have assumed a qualitatively deeper implication since civilization began to take seriously the possibility of the extension of the human habitat into areas of our Solar System beyond the bounds

of our Earth's atmosphere.

Although many questions remain to be solved respecting the requirements of extending human habitation into the Earth's Moon and beyond, as to Mars, yet the general notion of the feasibility of such developments has become much clearer during a period of somewhat less than a century. Since travel of mankind between the Earth's Moon and Mars' orbit, requires forms of a synthetic gravitational and electromagnetic condition of life within the set of companion vehicles required for the human passengers and crews, we have enjoyed some recent gains in our practical knowledge bearing on the problems posed. The estimates of the supplies of the Helium-3 isotope on our neighboring Moon, have implied a solution to the sustaining of an induced one-gravity acceleration-deceleration for the several days estimated lapsed-time of flight between the two planetary orbits.

The additional consideration to be addressed, is that on Mars itself, there are notable needed buffers required to sustain the needed conditions of human life in space-travel and on the Moon and Mars, for example. In other words, we must look to a future time when such things have been accomplished; we must, even now, look backward, across time, to assess both, not only how we might have already accomplished such developments of our future, but also the related implications for a change in human culture, from our presently Earth-bound conditions, to the notion of a human species engaged in expanding its populations and their functions, not only within the relatively nearer portions of the Solar system, but, ultimately, throughout our own galaxy and beyond.

The significance of that set of those and related types of questions, for the purposes of our discussion here, is that, in net effect, they force us to finally reach an intelligent assessment of the true meaning of the term called "economics." We are thus forced to define the proper meaning of the term "economics" as the urgently needed preconditions for continued human survival, through scientific, technological, and related cultural transformations, between now and the, admittedly very distant time, when our Sun undergoes changes which would be most unpleasant for those persons who might continue in residence on our planet then.

The related, special problem which perplexes what have been our relatively best economists thus far, has been that the practice of management of national economies, and the analysis of the effects of that practice by certified economists, accountants, and so on, are regarded as authoritative, despite the strong tendency of results and policy to converge in such a fashion that economists and accountants are so often surprised that neither their beliefs nor the statistics give fair warning of systemic failures inherent in their professional practice. The economy appears to be as successful as their doctrines instruct them to believe, until reality ambushes them in a way which they regard as simply "unfair" to their theories.

So, I continue here according to my methods, which work, rather than those which habitually fail, but which have been, unfortunately, generally accepted as conventional academic or other taught opinion and practice.

The first step in the direction of the much needed reform to which I have just pointed, thus, has been supplied, recently, as a profound clarification in meanings provided by the work of Academician V.I. Vernadsky in defining the qualitative physical distinction and interrelations among the Lithosphere, Biosphere, and Noösphere. It is the view of mankind's past, present, and future history, within the bounds of those terms of reference, which is the minimal requirement for defining a practiced science of physical economy for the present and immediate future.

This clarification being delivered by me here, comes none too soon. The present world system, together with its featured present dogmas respecting economy, have now become utterly bankrupt notions, which could be continued in practice only by consenting to the virtual extinction of civilization as we have so far known it at its least worst. It is thus, in the domain of culture, as I have emphasized the notion of a Type "B" personality here, that the essential secret of continued human civilized existence and progress now depend absolutely. Henceforth, economic science is the science of those transformations in individual and mass human culture on which the continued existence of civilized mankind depends.

The physical science of economics, as "economics" was formerly defined, now becomes merely a subsumed, if still essential consideration, within the appearance of the relevant view of the necessity of human cultural progress, as from the weaker and morally inferior ancient and medieval European cultures, to the best expectations proffered by Nicholas of Cusa and his followers in bringing forth the essential seeds of what continue to be the good parts of modern civilization.

So, it was in the Boston Public Library, in 1941,

when I first read those opening lines of Minkowski's famous 1907 lecture. I spent many hours in that reading room of the Library during those times; my principal interest there, then, was the subject of physical relativity.[1] At that moment, reading those lines of his declaration, I was inspired by the resonance of Minkowski's rhetoric then, but less so over the course of the following dozen years, when the systemic, reductionist flaws of the positivist David Hilbert's colleague Minkowski became clear to me. The fact remained, that Minkowski, apparently, did teach Albert Einstein in Zürich, Switzerland, but, apparently, never came, actually, to understand the essential, Riemannian distinction of Einstein's scientific method, himself. Little wonder, then, that Minkowski's "four-dimensional scheme" was a kind of failure typical of the positivist's variety of "Type 'A'" mental outlook.

Hilbert's colleague Hermann Minkowski (shown) taught Albert Einstein in Zürich, but, "apparently, never came, actually, to understand the essential, Riemannian distinction of Einstein's scientific method, himself."

Now, amid the presently onrushing, global breakdown-crisis of the entire world economy, the issue of "time as such" comes before you in a new guise, in its role as *physical time*, as it must occur in any competent practice of the science of *physical economy* which is our subject in this chapter of this report. That is the science of physical economy which must now be adopted as the standard of practice used to replace what is already, since September 2007, the hopelessly failed versions of what are taught as "economics" seemingly everywhere among professionals and politicians today.

For example:

Let us begin the presentation of the subject of this chapter by considering the physical form of economic capital in its primary character as *technology*, as technology is defined, rather than as *a nominal value of money*, in terms of *qualitative* degrees upward in both *productivity* and in *the requirement of the effective equivalent of orders of increase of energy-flux density*. Consider the consumption of an investment in physical capital, from the time of its "birth" as a type of physical-functional factor in economy, rather than matters of price, considering the time until that capital investment might be considered as "used up," as by age, wear, or technological obsolescence, in its presently invested incarnation as an actual feature of the process of production of physical wealth. Consider the value of that capital to be expressed as *the relative rate of increase of productivity, per capita and per square kilometer*, with which *the rate of related consumption by that body*, is correlated in practice. Locate this aspect of that capital, similarly, in respect to the losses incurred, as through *technological attrition, as a result of failing to supersede previously established technology by a new technology which increases the associated, relative productive powers of labor*, and, also, provides *the benefit to society of the consumption* of the related product.

Then, ask yourself: *when, in time, was the gain actually produced, and when, in time, for example, was the loss which is realized as the effect of failing to invest in that capital, as capital so defined? What* does such a question evoke concerning the use of the term *"physical space-time*" in the field of a science of physical economy? *When* is what value earned, and *how*?

What does that say about the follies of financial accounting, on principle? *What* does that say about what is presently taught as economics? *What* does presently taught, monetarist economics suggest itself, *mistakenly*, to be? How shall I address the matter of the proper connotation of *an economic process as being, functionally, an efficient expression of physical space-time, that* in the sense implied by the celebrated argument by Albert Einstein?

1. It was in a different library, during that same period, that I encountered Princeton's Luther Pfahler Eisenhart's 1926 **Riemannian Geometry** (Princeton). That experience put me off my commitment to Riemann, until early 1953, when I became absorbed by Riemann's habilitation dissertation, an encounter which shaped all my subsequent engagement with the field of economy. My habitual reliance on that Library for sundry research purposes, had begun with an assignment to compose a report on the case of Captain William Kidd, which required hours spent in the Library's archive of early Eighteenth-century printed publications, and thus gave me the habit of treating the Library for a time as almost a second home.

Similarly, define a subsuming dynamic of the process within which the entire repertoire of all of these measures of relative time and place of action are situated under that dynamic.

Those problems, for science, are ones which ought to have been recognized by serious economists, that even by approximately the time I was sitting during some evenings in the reading room of the Boston Public Library in Copley Square. Back during 1941, I had begun to think about matters of that sort, and to seek out those who had done so among what I regarded as actual, or possible "authorities" in such matters. It proved, often, to be a lonely pursuit.

EIRNS/Tiffiny Wamsley

LaRouche proposed a set of actions in his July 25, 2007 webcast, pivoted on the Homeowners and Bank Protection Act, which could have prevented the plunge of the world economy into today's general breakdown crisis. Now, only a sweeping change from the present world monetary system, to a U.S. Constitutional-type of credit system will work. Shown, the LaRouche Youth Movement chorus, at the California Democratic State Convention, San Jose, March 30, 2008.

Today, lost time being lost time for our culture, so, we must try to make up for that, even decades later, here and now, before it is too late for present and foreseeable future generations combined. The matter of the principles of a science of physical economy, is now become, suddenly, a most urgent affair for crucial decisions to be made at each new passing point in time, including crucial decisions which must be made by society, top down, in not more than some weeks ahead, even, in the worst case, more and more, some days. The substitution for this approach, by one based on deals, compromises, and what-not, connived at over several months to come, would be clinical insanity in the measure of their effects. What must be done, as I have prescribed, must be done, and done quickly, or, there is no existing remedy for what has been the already ongoing, current onrush into a planet-wide new dark age.

Therefore, before plunging into the issues of the crucial importance of *the notion of relative physical time*, let us pause by focusing on the following question: "Exactly why is it so urgent that I must insist on bringing up that matter, exactly, here and now?" To proceed further along those lines, ask oneself: what is the factor of change which tends to cause the effect of a net increase in the productive powers of labor, as measured per capita and per square kilometer, when that effect does actually occur? The answer to that latter question, as should be obvious from the line of argument I shall take here, from this point on, is that the answer to these questions is to be found by considering *a function of the form associated with the integral effect of the infinitesimal of the Leibniz calculus, but not that of the incompetents who sought to overturn Leibniz's work by their employment of fraudulent means, adversaries such as those which I have identified as the hoaxsters Cauchy, Clausius, Grassmann, Kelvin, et al.*

Thus, it is on the point of that urgent matter, that I must hang the need to focus fully on what will be regarded by most, at least at first glance, as those novel, but presently indispensable aspects of the quality of physical science of economy which I am emphasizing here.

So, the following relevant response to that question is interpolated at this juncture in this report as a whole. After that I shall return to the topics of the immediately preceding introductory paragraphs of this present chapter.

My Warning Against Some "Middle Men"

So, resume this chapter with what has proven itself to have been a fatefully historic webcast of July 25, 2007, when I prescribed a set of actions pivoted on my Homeowners' and Bank Protection Act (HBPA) of that

year, a prescription which I presented then as an already urgently needed stop-gap remedy, a temporary remedy which would have been both possible, and, also, indispensable for arresting the then already ongoing, inevitable plunge of the world economy into a presently deepening, chain-reaction series of general breakdown-crises.

Then, in those weeks of 2007, it would have been possible to avoid the monstrous calamity brought upon the U.S.A. and the world by the actions of such relevant scamps as the corrupt influence of such as Felix Rohatyn, U.S. Senator Chris Dodd and of the babbling pitch-man of that standard Congressional clown-show put on, ritually, by Representative Barney Frank. Had that HBPA reform of mine been adopted promptly, our republic would probably have been on the way to recovery by now—but, also, a candidate other than Barack Obama would, almost certainly, have been elected.

The role of the world's leading international drug-pusher, the British agent George Soros and his fascist minions, in bringing about Obama's nomination and election, is also most notable in that context.

Since those weeks in 2007, over the subsequent two years of the swindles against the United States government and citizens by the Presidencies of George W. Bush, Jr., and what have now been proven to be even worse-than-Bush policies of the furiously insane, Hitler-like health-care policies of President Barack Obama, a state of chaos has been generated throughout the planet's economy as whole. We have been overtaken, now, by a state of our national affairs in which there is no longer any possibility of even temporary rescue of our own, or any other part of the world's economy, by means of a mere reform-in-bankruptcy-reorganization, even an excellent one of the type which I had put forward in my July 25, 2007 webcast.

Now, the time has come, when there is the most desperately immediate need for a sweeping change of the world system *from a monetary system, to* the immediate adoption and implementation of *a credit system* like that prescribed in the U.S. Federal Constitution. This is not an option; it is, presently, the minimal pre-condition for preventing an immediate, global, chain-reaction process which is far worse than any previous known historical experience of the planet as a whole. At this moment, there is a most urgent need for an immediate transformation of the U.S. economy, freeing it immediately from that Federal Reserve swindle, that Federal Reserve Act which was conceived and installed according to that tradition of the Confederacy represented by both President Theodore Roosevelt and Ku Klux Klan leader Woodrow Wilson, and had been pushed through by their joint effects. This was then, and is still now, a Federal Reserve swindle in the British-created Confederacy's tradition of President Andrew Jackson, of President Martin van Buren's design of the land-bank swindle, and the outright treason of President James Buchanan,[2] all of which had been designed to defy the U.S. Federal Constitution, for the purpose of destroying what is fairly identified as a "Hamiltonian" constitutional form of a credit-system, that U.S. form of credit-system which is the central, systemic feature of our Federal Constitution. That Constitution was built on the

2. That under the "adheres to their enemies" passage of the U.S. Code. The Confederacy was created from, and by the British Foreign Office, under that Office's Jeremy Bentham, and both continued and executed warfare against the United States (and Mexico), under Bentham's trained protégé and successor, Lord Palmerston. Although enslavement of persons taken from Africa, or of African descent otherwise, had already been introduced to North America by the British East India Company earlier, the launching of what became the Confederacy insurrection was expressed in actions typified by Andrew Jackson's treasonous affinities to the British agent of Chatham House, Aaron Burr, and in the crucially significant matter of that systematic destruction of the formerly autonomous Cherokee Nation which was executed on behalf of opening up that Nation's territory for the London-directed program of expanded African slavery in the United States. Britain continued the capture and transport of Africans into enslavement in the U.S.A. through the British puppet also known as the Spanish monarchy of the post-Vienna Congress period. British policy in Africa, as toward Sudan, Zimbabwe, and others, reflects the same essentially underlying characteristics to the present moment. The U.S.A. alliance with Britain in what is called World War I, is almost entirely a reflection of the treasonous inclinations of Presidents Theodore Roosevelt (himself the trained and dutiful nephew of the British agent who ran the war-time Confederate intelligence service), and Woodrow Wilson, the Ku Klux Klan fanatic. In the 1920s, the British empire connived with the government of the Mikado of Japan in the planning of, and preparation for the future attack on Pearl Harbor by the same Empire of Japan which had been allied for war against the U.S.A. by Britain's Prince of Wales, Edward Albert, which he had set into motion with the launching of the warfare of Japan against China over the course of the 1894-1945 interval. Although it was the technicality of Adolf Hitler's attack on Belgium and France to the west, which actually broke the British Empire's backing for Hitler's warfare under Prime Minister Chamberlain—temporarily—thereafter, the British empire resumed its intention to break up the United States up through the present time, as aided in this by such means as luring us into land wars in Asia which have wasted our economy and our morals, as in Tony Blair's role in the recent Iraq War, and President Obama's currently insane strategic folly in Afghanistan, and has duped a now elected President of the U.S.A. into courses of action, steered by frankly evil figures such as former British Prime Minister Tony Blair, to destroy the United States through the assistance of subversive influence over the policy-making of the incumbent President of our United States, Barack Obama.

cornerstone of the establishment of the U.S. constitutional credit-system, "still on the books" of our original Federal Constitution, which, as all witting actual patriots know, bans monetary systems, constitutionally, from the sovereign practice of the United States.[3]

The complementary side of the U.S. existential problem today, has been a product of the condition in which the world at large has been usually dominated by a virtual global empire, excepting during some historically brief periods of outstanding exceptions, such as the Eighteenth-century League of Armed Neutrality, and under Presidents Abraham Lincoln and Franklin Roosevelt. The world has been dominated, so, during the present period of grave world crisis, by that so-called British Empire established, in fact, through the outcome of the so-called "Seven Years War," in the February 1763 Peace of Paris.

That British empire-in-fact remains, to the present moment this is written, essentially a form of Europe-centered, global imperialism based on the kind of monetarist systems which have been centered on the Mediterranean since about the time of the Peloponnesian War, up to the present moment.

The various so-called empires which have reigned in Europe since the aftermath of the Peloponnesian War, had been, most notably, expressions of the process of emergence of the successive Roman and Byzantine empires, which were then followed, first, since about 1,100 years ago, by an international, monetarism-based succession of imperial monetarist arrangements centered on the Venice which continued as a present expression of arrangements which had emerged from Venice's being a client of a then tattered and torn Byzantium, to an independent center of monetary power. This has been a Venice which, in fact, has been the spiritual center of a satanically inclined international system of privately owned monetary institutions, that, first, over the course of the medieval period (since, approximately, the time of the Norman Conquest) prior to the Fourteenth-century "New Dark Age," and, second, in modern Europe, since that Venetian take-over of England through the corruption of the Venetian financier oligarchy's puppet and wife-butcher Henry VIII,[4] a change which set the formerly cooperating kingdoms of France, Spain, and England (among others) against one another's throats in recurring religious warfare, a radical, Tony Blair-like change in chosen destiny, throughout the remainder of the A.D. 1492-1648 interval, but also to the present imperialist day.

Now, there are two outstanding, present causes for the fact that no one could now be able to implement the kind of a "less strenuous" option than an "American style" *monetary* reform which I had originally proposed to occur about the beginning of September 2007, which would have been a feasible short- to medium-term remedy at that time, and under those conditions. Since then, a great opportunity which I offered to the U.S. government then, has been wasted, and it is a truly terrible waste which we have suffered increasingly, since the lead taken by the prominent actions of Senator Christopher Dodd and U.S. Representative Barney Frank, in launching the folly which has thrown the United States and most of the world economic system into the global breakdown-crisis we are experiencing today.

First, since the course of September 2007, the Anglo-American financier cabal which has organized this presently monstrous world crisis, has loaded the U.S. system as a whole with such a mass of trillions of dollars-equivalent of worthless "bail-out" electronic "paper," to such an effect, that no internal reform of the present world monetary system, *as a reformed monetary system*, is now possible. Only the drastic remedies, based on the replacement of the monetary system by a credit system, which I propose now, represent any reason for hope for mankind during a period from the immediate weeks before us, to some future time of recovery, generations ahead. Under presently overstretched circumstances, every attempt, since September 2007, to limit matters to a mere monetary reform, is that which would only make everything terribly worse, which has taken over U.S. leading policy. This practice has continued to prevail up to the present moment, a policy of practice which has now, in fact, set off a rapid

3. This feature of U.S. constitutional law first appeared under the Massachusetts Bay Colony as a system of scrip whose circulation was restricted to commerce within that colony, as a form of credit/debt internal to the sovereignty of the colony. This system was crushed from England, under James II and William and Mary, but was revived as a proposal for a "paper currency" by Benjamin Franklin, **A Modest Inquiry into the Nature and Necessity of a Paper Currency** (1729). It was introduced in the form of the concept of national banking under Alexander Hamilton, and become the core-principle of the decision to craft and establish the U.S. Federal Constitution.

4. E.g., Plantagenet pretender Cardinal Pole, Thomas Cromwell, and Henry VIII's marriage counsellor, and cabbalist Francesco Zorzi (aka "Giorgi"), the author of **Harmonia Mundi**, the attack on the work of Nicholas of Cusa.

succession of presently on-going, chain-reaction breakdown-crises of every national economy, of every continent in the world system.

This is the situation, which we had encountered in the crisis of July-August 2007, which has now brought the world as a whole, step by step, to that presently aggravated stage of vulnerability which has led us to the present onset of an immediately threatened, global breakdown-crisis of the planet as a whole. This must be seen in the fact, that we live today in what has become now virtually four recent decades of a process which had been established by the time of the U.S. Nixon administration's actions of 1971-1972, breaking up the last vestiges of the fixed-exchange-rate monetary system.

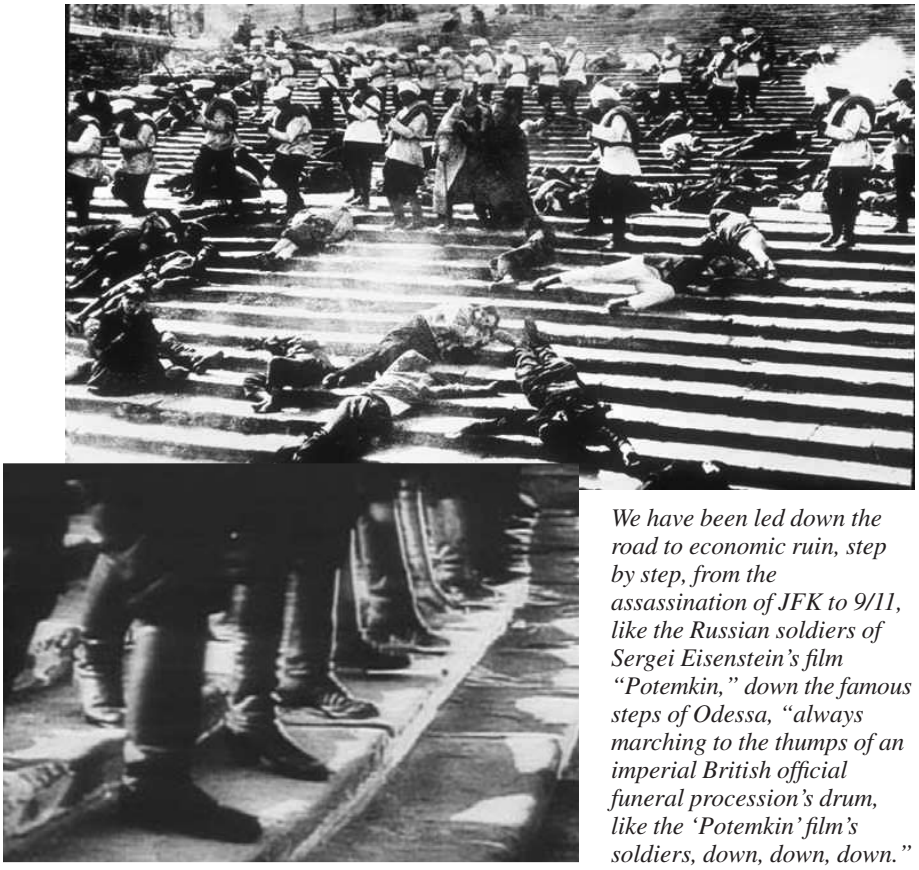
The virtually treasonous developments by the U.S. Nixon Administration which were set into motion then, lit the fuse on a bomb-like crisis which had already been set into place by the British government of Prime Minister Harold Wilson. It was that Wilson, a creature already on record as a malicious character in his own right, seen so by patriotic Britons more or less as much by them, as by our own patriots of that time, a Wilson who had set off the first step into the mire of the present world monetary crisis, on November 15, 1967.

That devaluation of the Pound Sterling, from $US2.80 to $2.40, triggered an intended chain-reaction in the international monetary system, which, in turn, triggered the U.S. dollar crisis of February 1968. A bit later, there came a new wrecking of the economy, as added through the complicity of Felix Rohatyn's regular crony, George Shultz, then of the U.S. Nixon Administration. This was a Shultz who would soon become notorious for his relevant inclination to promote fascist schemes of government in such places as Chile, and who supplied a key role in the break-up of what had been the Truman-Churchill modified, pro-Keynes version of the Bretton Woods monetary system, with which Winston Churchill had encouraged President Truman to replace President Roosevelt's intended international, post-World War II credit system in favor of Roosevelt's Bretton Woods adversary, Keynes.

Thus, beginning approximately 1966, about a year before the relevant international monetary actions by the British Harold Wilson government, the U.S.A., in particular, had already led the post-John F. Kennedy Americas, Europe, and Africa down the road toward economic ruin.

That change, then a later change, then another change, and so on, has been introduced here, or there; but always, down the road which has led, step by step, like the Russian soldiers of Sergei Eisenstein's film **Potemkin,** proceeding down the famous steps of Odessa. From the assassination of a President John F. Kennedy who had refused to walk into the London-prepared strategic trap of a war against the U.S.A.'s World War II ally Ho Chi Minh, through a President Johnson who was so terrified of a similar treatment for him, that he fearfully allowed the fraudulent Gulf of Tonkin myth to push the U.S.A. into a long, ruinous Indo-China war, step by step, in a policy-trend continuing from Johnson, to Nixon, to Ford, to Carter, to Reagan, and into the new wave of ruin launched in 1989 by President George H. W. Bush's depraved complicity with Prime Minister Margaret Thatcher and France's President Mitterrand, in creating the presently ruinous "Euro" system of western and central Europe, and through the fraudulent, strategically crucial impeachment effort, assisted by Vice-President Al Gore, against President Bill Clinton, and through the Anglo-Saudi crafting of what became known as "9-11," the direction of the economies of the Americas has been marching, step by step, head of state, head of government, down, down, down, and worse, worse, and worse, in seemingly endless, rhythmic monotony, always marching to the thumps of an imperial British official funeral procession's drum, like the **Potemkin** film's soldiers down, down, down the steps at Odessa, still to be heard marching in our imagination (if we are truly intelligent in such matters), at the present moment.[5]

5. There could be no decent criticism which would object to my choice of imagery for this occasion. All "Type 'B'" intellects think in terms of what Gottfried Leibniz defined, in opposition to that incompetent wretch Rene Descartes, as the universal physical principle of *dynamics,* as during his relevant efforts during the 1690s, and in his work in cooperation with Jean Bernouilli in the original discovery of a universal physical principle of least action. I have already emphasized here, in earlier pages, that that principle of *dynamics* is the same principle which Percy Shelley presents in the concluding paragraph of his **A Defence of Poetry**. Mass social behavior of societies is usually guided by dynamic principles which move masses of people, including the commonplace national leaders, who are directed, chiefly unwitting, like puppets on the master's strings. In competent political and physical science, alike, only what have been relatively exceptional individuals, rather than more popular ones, are exceptions to the kind of puppet-like behavior shown by most formally recognized leaders of nations since that death of President Franklin Roosevelt, when either feigned or actual stupidity was so often the key to the successful election or appointment of what were regarded as the leaders of society. I know; for nearly eighty-seven years, I was there, and, for many of those decades, witting in such matters. It is in the domain of those powers of the imagination associated with Clas-



We have been led down the road to economic ruin, step by step, from the assassination of JFK to 9/11, like the Russian soldiers of Sergei Eisenstein's film "Potemkin," down the famous steps of Odessa, "always marching to the thumps of an imperial British official funeral procession's drum, like the 'Potemkin' film's soldiers, down, down, down."

It would be incompetent to view that aspect of the November 1963-September to August 2009 history of both the United States and the world at large, in any different imagery than that which I have just described in these preceding paragraphs. Since real economic processes are *dynamic* processes subsuming their own internal, qualitative phase-shifts, only foolish varieties of accountants and their dupes believe in statistical forms of financial forecasting.

What happened, over the span of that succession of marching events, did not "just happen." It was organized, sometimes wittingly, organized by aid of complicit U.S. Presidents, and other leaders of other nations, figures who, in the main, had not the slightest damned inkling of the damned fool's role they are continuing to act out, still today, since the death of President Kennedy in November 1963, until the "Ides of September" 2009, always, again, and again, and again, under pressure from social-political forces of whose existence and nature most of them had had little or no comprehension. This pattern of a seemingly robotic compulsion of the leading circles of our republic to behave like an "electric bunny" in this way, explains the process of elimination which led to my becoming the world's only competent long-range forecaster on record, from August 1956 to the present day. The essential truth has been clear to me, if, in earlier decades, sometimes only in broad-brush terms, all the way through, down each step of that most recent historical process.

For my own success as an economist, which was continuing amid all this, credit, more than anyone else, the great Bernhard Riemann (and his 1854 habilitation dissertation), who had taught me far more than anyone else since my encounter with Gottfried Leibniz, that which is, still today, the key to defining the principles of a science of physical economy and its related statecraft.

The Present World Crisis

Within the passage down those steps of the imagination, the ensuing, shamelessly overt process of wrecking the U.S. economy under British direction, and the complicity of the successive U.S. Nixon, Ford, and Carter administrations, produced what has been called "globalization," and, has, thus, made a mockery of what had been known earlier by the name of "national sovereignty." Under the present conditions so generated through London-directed "globalization," *any collapse of the U.S. dollar now, means an immediate, chain-reaction process of disintegration of the entirety of the present world market*.[6]

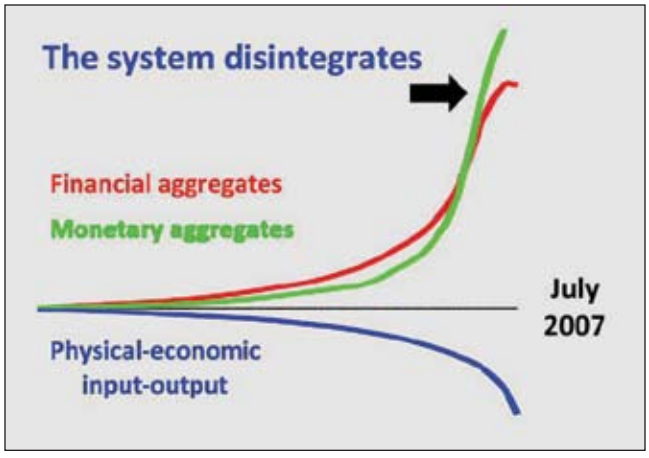
sical poetry, drama, music, and the greatest Classical sculptors, architects, and painters, that the Classical artistic training of the powers of imagination supplies the insight which succeeds in physical science when mathematics fails.

6. The existence of national sovereignty in actual practice, requires a nation to maintain the essential economic elements of national integrity of daily economic life within its own borders. "Globalization" is a new name for "A Tower of Babel," or, what is also to be recognized as "British imperialism today." Any break in a major chain of nominal credit

We should mean, by a shift to the worse than worthless, present world monetary systems (and the planetary monetary system as a whole), that we know that there has been, especially since July-September 2007, a socially dominant, dynamic form of influence which has produced, what has been since, the unavoidable rate of the reduction of the current, net fungible, actual net financial assets of the world, that down to levels well below the level of an actual (i.e., physical-economic) breaking-point. As my "***Triple Curve***" illustrates the point, this recent, calamitous rate of fall of net financial assets, has been accompanied by an accelerated rate of increase of monetary emission: a sure formula for a process with an eerie kinship to the hyper-inflationary breakdown of the economy of Weimar Germany during the Spring through Autumn of 1923. The updated edition of my ***"Triple Curve"*** representation, shows the crucial features of the change in trend which has characterized that general, planet-wide economic breakdown-crisis which has been clearly ongoing since the close of July 2007.

If the reform which I have specified as a change from a monetary system, to a credit system, occurs, that short-fall I have pointed to here, can then be covered, to ensure a process of recovery, by the uttering of long-term credit, based entirely on the promises of sovereign nation-state governments, as defined in a unique way by the intrinsically "Hamiltonian" preconditions prescribed for the U.S. Federal Constitution. Through those treaty agreements among sovereign nation-states participating in such a general reform which had then produced a new, fixed-exchange-rate world credit system, a credit system permits sufficient fresh credit for physical investment in expansion and science-driven, advanced-technology enhancement of the productive powers of cooperating nations (as measured per capita and per square kilometer in each case) to begin a steeply accelerating process of increase of the physical productive powers of labor throughout most of the planet through *development of sources of public power which are of today's very high, and still rising energy-flux-density in character*.

FIGURE 4



The crucial feature of a change to a credit system, while, of necessity, cancelling the earlier existence of inherently failed monetary systems, is that the practice of going to the private financial market for investment in development of the economy, puts the borrower, including leading governments of the world, at the mercy of that great imperial bloodsucker known as the nominally private power expressed as a reigning "free trade" sort of monetary system. It has been the attempted "bail out" of that vampire known as the monetary system, the which has sucked the blood of our people since the first steps toward the relevant phases of the "bail-out" which was begun by the often Felix Rohatyn-guided Senator Dodd and by Representative Barney-the-great-sucking-vampire-of-Wall-Street-interest Frank, beginning September 2007.

This recovery can only occur under the condition that no monetary system still exists *as a recognized institution* throughout the participating members of the community of nations generally. Hence, without a bloc of nations, the United States, Russia, China, and India, leading a faction of nations forcing the world to go through a sudden economic reorganization, from a monetary to a credit system, there is no political prospect that the world could escape what presently looms before us in the immediate period ahead, as the most horrifying rate of sickeningly sudden collapse of the population of our planet in all known history. In such matters, only hateful fools waste efforts in support of

within the relatively globalized world system of today, tends to cause a general, genocidal breakdown of the system as a whole. The U.S. dollar is presently the most critical of the links in that already much "globalized" chain. The dollar goes down: the world goes down immediately. The system has already been stretched beyond its limit, precisely by the effects of globalization—the new British-built Tower of Babel is already overripe to fall; one significant pin-prick and the entire world system goes down in a catastrophic implosion. Thoroughly corrupt, babbling idiots, such as U.S. Representative Barney Frank, are typical of politicians so deluded by their obsession with their own evil schemes, that what is happening in the real world does not exist for them; they, like an insane gambler, see only their own wishful obsessions.

the futility of Liberal sophistries; in matters of life or death, of persons, or nations, you must do promptly what history has handed to you as what must be done.

Some valid, crucial, and encouraging considerations, which follow:

It should be noted, for our consideration at this point in the report, concerning what should become the initial pricing of goods within economies and in relationships among member-nations of *the new, protectionist mode of international, fixed-exchange-rate credit-system*, that traditional price-relations among treaty-defined members of a system of market economies, shall be the general tendency in the early phases of the international economic-recovery process, with the exception that prices below actually incurred costs shall be discouraged, and that parities among the currencies of nations shall be provided for the same intended effect.

The most essential difference, therefore, is the shift from continuing to be the presumed lawful prey of a monetarist system, to becoming a competently managed credit system.

A blending of what are to be preferred as, respectively public and privately-held enterprises, is to be expected under the new credit-systems, both within and among participating nations, with the emphasis on public investment in basic economic infrastructure, and sundry customary forms of private entrepreneurship predominating in local, national, and international marketing of agricultural and manufactured goods, and traditionally private services.

A notable type of exception to this should echo the Hill-Burton law in the U.S.A.,[7] and comparable-effect methods in other nations.[8] Simply and suddenly scrap the swindle known as the U.S. HMO law. These measures of positive reform which I have prescribed as based on the principled concept of the credit system which is built into the *dynamic* architecture of the original crafting of our Federal Constitution, historically, must be complemented by national authority and responsibility for certain categories of public lands, protection and development of waterways, public educational programs, and national public transportation systems essential to the economy and general welfare of the population as a whole.

As a matter of general principle, public enterprises are to be preferred when the promotion of the public interest demands this, either by the nature of the operation, or for reason of the lack of a private capability for providing a needed function of a type which would otherwise be preferred as a private venture.

On the crucially principled matter of my strictly scientific use of *dynamic* in the preceding paragraph, the following must be said at this time.

We return now to the matter of the principled nature of the fundamentally new characteristics of the world economy, under the launching of the urgently needed new world system of a fixed-exchange credit-system shared among respectively sovereign nation-states. For this purpose, before getting into the matters of physical-economic principle as such, I illustrate the function of *dynamics* in historical processes by aid of the following, additional illustrations.

Henry C. Carey, Lincoln, and Bismarck

U. S. President Andrew Johnson (1865-1869) turned out to have been the virtual Harry Truman of his tenure (1945-1953). To grasp the presently relevant implications of that fact, we must situate that Johnson with respect to those U.S. institutional figures who did actually represent the heritage of President Abraham Lincoln, that through the conflicted times leading into that assassination of President William McKinley which was launched in the specific imperial interests of the British Empire. Amid the scoundrels among the prominent political figures of post-war 1860s and 1870s, there were also many true patriots, such as Lincoln's close associate on economic policy, the Henry C. Carey who contributed a crucial part in shaping the economic and related policy-decisions of Germany's Chancellor Bismarck, during the late 1870s and 1880s, prior to the dumping of Bismarck himself, by the British Prince of Wales' nephew, Wilhelm II, in 1890.

Nonetheless, in defiance of clear evidence (but, in

7. Named for U.S. Senators Harold Burton and Lister Hill.

8. Notably, the health-care agenda of President Barack Obama expresses a radically immoral degree of disregard for the difference between human beings and beasts, that in a degree notorious for the precedent of the Adolf Hitler regime during the September 1939-1945 interval. The Obama echo of that Hitler "Tiergarten 4" policy which led into the methods of the war-time concentration-camp "death camp" operations expresses a philosophy already extant in the British NICE-NHS practice, a "death-camp" like intention at the center of the Obama administration's currently proposed health-care policies of practice. E.g. Obama advisor Ezekiel Emanuel. The intention to accomplish the aims of Universal Public Health, is properly defined as a national security policy of all decent nations which, unlike President Obama, recognize the categorical distinction of human beings from beasts. Between the human race and Obama's health-care mafia, there is a fundamental difference in species of practice.

Library of Congress

President Abraham Lincoln's close associate on economic policy, Henry C. Carey, contributed a crucial part in shaping the economic and related policy-decisions of Germany's Chancellor Otto von Bismarck, during the late 1870s and 1880s. Those policies guided the emergence of Germany as an industrial power into the 20th Century. Left to right: Bismarck, Lincoln, Carey.

favor of a rather "free hand" variety of interpretation of isolated facts), a significant selection of citizens of the Federal Republic of Germany go out of their way in what is often a frankly "anti-American" effort to deny the crucial role of the influence of the leading economist of the Nineteenth Century, Henry C. Carey, in informing Chancellor Otto v. Bismarck personally of those strategic principles of the American System of political economy, advice which guided the seemingly miraculous progress of Germany from the late 1870s, up through the dumping of Bismarck by the most foolish nephew of the British Prince of Wales, in 1890. Since that dumping of Bismarck which turned out to be among the most crucial factors leading into the ups and downs of all of the major wars and near-wars of the Twentieth Century, my point respecting Bismarck's affinities for the American System of political-economy, has considerable importance for anyone who might imagine that he or she is competent to lead, or even to advise, any great nation of the world, such as our own U.S.A., today. It were not possible for competent historians to misinterpret Bismarck's actions in the way that is often done, unless one were determined to ignore the most important facts about Bismarck's strategic role, globally, and in respect to the leading importance of that role in the entire sweep of the global strategic history of modern, post-Westphalian Europe and the Americas, even to the present day.

The included point to be stressed on this account, is that Bismarck's record as a statesman shows some significant signs of a "Type 'B'" personality, a quality which he had acquired somehow along the line. For our purposes here, I simply note that fact for the reader's own future reference, and to situate the following further remarks on some crucial features of Bismarck's role which must be taken into account for guiding European history into a forward direction, still today.

The relevant strategically crucial fact, for our subject here, about Bismarck's role in the history of modern, post-Westphalia European civilization as a whole, to the present day, is that he is among a most uncommon variety of exceptional individuals, a man of his own mind, even when the relevant head of state and the general run of other national leaders tended to be shallow-minded respecting the strategic issues of that world in the large, a world for which modern Germany, then and now, has been often a kicked ball in play on a global playing-field. Bismarck was different than most leaders of his time; he could think: which is why the Prince of Wales urged silly Wilhelm II to dump him. Modern critics and small-minded commentators who do not think seriously, will, of course, miss all the crucial points of what are, without reasonable objection, the essential facts of the matter. The key fact is that the dumping of Bismarck, combined with the succession of the assassination of France's President Sadi Carnot; the Dreyfus

case; and, the successful assassination of U.S. President William McKinley by an assassin imported from Europe, which was used to bring London's asset, Vice-President Theodore Roosevelt, into the U.S. Presidency, were the most typical, crucial developments leading into what became the unleashing of not only two "World Wars," but, also, earlier, the British-directed 1894-1945 war of Japan against China, Korea, and Russia, and, also, sundry other little matters, such as the bombing of Pearl Harbor, which are of some considerable, continued importance, still today.

Consider the playing-field of history into which Bismarck came to play his strategic role.

Anyone who has any competence in history as a science, rather than products of some virtual gossip-sheets such as the **New York Times**, knows that the history of modern European civilization has been dominated from about the time of the coronation of the Venetian asset, King James I, until the present moment, in such a fashion that all the leading developments in the world considered as a whole, have expressed the four-centuries-spanning division between what are, presently, two traditionally English-speaking nations of, primarily, European cultural origins, between what had emerged, essentially, since the beginning of the Seventeenth Century, as the birth of our United States out of the initiative of some English-speaking colonists, including those others from continental Europe who joined them in that enterprise, and, on the opposing side, what became known under the simplistic and more than somewhat misleading title of "the British Empire."

When we take into account the relevant content of Rosa Luxemburg's **The Accumulation of Capital** and also what U.S. State Department historian Herbert Feis exposed, later, as showing the actual principle of British imperialism in action, showing, thus, the true role of our republic's chief adversary still today, we know that the British monarchy has been a political receptacle for an international empire of concerted, private monetarist interests, an empire which is still today, centered *as a monetary system*, traditionally, in Venice. We also know that the true world empire, still today, is the present world monetarist system whose *public political* headquarters of record of the moment happens to be London, but whose true, Satanic soul prefers to reside in Venice.

That is to emphasize the extremely important political distinction to be made, that it is not the imposition of the will of the people of England, Scotland, Wales, and Northern Ireland, which rules; the empire is ruled by the agents of an international pack of Venetian-like, gangster-like, private financier-monetarist interests, which represent a combined, global monetarist power (including the virtual Gadarene swine of Wall Street) which is the presently chief agent of the presently reigning, international *monetarist* empire.

The Role of Britain in This

There is absolutely no sophistry in emphasizing that distinction. The political issue of relevance, is that the British Isles are operating under a dynamic influence, as the concluding paragraph of Percy B. Shelley's **A Defence of Poetry** emphasizes the crucial point of distinction to be noted. The effect of the defeat and disgrace of the present policy-structures commanding the British empire in its continuing, present role, would have an effect not dissimilar from the benefit of the current, widespread break of the majority of the U.S. citizens, currently, from both the Obama administration and the U.S. members of the Congress generally. There is, currently, a mass-strike-like effect within the United States, one comparable in some degree to the "We are the People," of the citizens of the DDR against the government of the East Germany "*Land of Milk and Honey."* My point here is, that there are also aspects of the use of the language and dialects of the United Kingdom, which run as deep in the tradition of the language and its culture as at the time of the fall of Richard III at the hands of Henry V, or "Das Volk" of 1989, and the rising up of our citizens against the President and the Congress which disgusted them, this August 2009. Such is the power of the true "invisible hand" in history, of dynamics.

Britons, as they are called, have carried the burden of a recent bestialized experience, but people are not beasts, but human. People are not mortal in spirit, as beasts are; the cultural currents in which they participate as a kind of heritage, live on. What has been history, moves on, but absolutely not as the evil George Soros would guide it. There are potentials for corrections built into the process of successive shifts in reigning dynamics of that process, just as Shelley referred implicitly to a positive shift from the bestiality of the time of Mandeville, to what we might hope would become a renaissance of that spirit of England, Scotland, and Wales, which many among our own ancestors shared, during the times of Keats, Shelley, and Robert Burns.

EIRNS/Stuart Lewis

The effect of a defeat of the British Empire, on the people of those beleaguered isles, would be similar to the current U.S. mass-strike against the Obama Administration and Congress, or to the "We are the People" revolution against the government of East Germany in 1989. Shown (right): town hall meeting, Reston, Va., Aug. 26, 2009; (above) tearing down the Berlin Wall Nov. 9, 1989.

Put aside that computer for the moment. History is not made by counting numbers. History, as the great English poet, Percy Bysshe Shelley knew, is, on the one hand, determined by certain specific, *dynamic* qualities of culture which dominate the public human mind, and all but a minority otherwise. Otherwise, as Shelley emphasized in what I have pointed out for this purpose as his **A Defence of Poetry**, the *dynamic* of real history is located, not in persons considered one at a time, but, rather, in the principle of *dynamics*, as this notion was developed in the leading work done then by Gottfried Leibniz, during the decade of the 1690s. Thus, often in real history, a certain quality of an idea in the minds of a few associated people, such as the case of Wall Street, has been, for a time, the relatively more powerful force in the shaping of all developments in known human history. Sometimes, fortunately, as under President Abraham Lincoln or Franklin Roosevelt, a shift to a different expression of that power expresses the *dynamic* of the handful of the new leadership which leads the world itself in that time and place.

It is, once again, a matter of the principle of Leibnizian *dynamics*.

The power to rule by force, as in the hands of this "Brutish" empire, is twofold. First, it is the force of the control over the planet by such as those monetarist types of financier swine of the United Kingdom and Goldman Sachs' Wall Street. Second, it is playing the nations and peoples which are its intended victims, against one another, as the British Empire itself was first established as a private Company by means of the Seven Years War, a war during which the nations of continental Europe were so passionately occupied in mutual blood-letting among themselves, all for the sake of the greater and more enduring tyranny of Britain, that they fell prey to London in February 1763.

That is so in the foresights of the greatest Classical authors, composers, scientists, and true discoverers of principles generally. The process of the development of ideas with which their efforts have been associated, represents *a force of dynamics* as the best of the ancient Classical Greeks knew this conception, and as Leibniz made it the central principle of all competent modern physical science. It is conflicting forces of *dynamics*, rather than individual opinions defined statistically, no matter in what numbers, which is the actual shaping of what may come to be considered in retrospect, as the creative force in the shaping of forward movements in the human condition.

The Example of Bismarck in This

Amid such considerations met in history at large, there are, sometimes, exceptional individuals who have the opportunity to play a role of great benefit to their nation, or to society more broadly, as we should recognize in certain crucial features of Bismarck's role as Chancellor under Germany's Wilhelm I. On this specific point, Bismarck, speaking in a time, after silly Wilhelm II had dumped him in 1890, spoke the true words warning of the British empire's role in creating what was to become known as World War I: a new "Seven Years War."

Bismarck's reforms, launched under American influence during the late 1870s, like parallel reforms in Japan during that same period, were also an expression of the principle underlying Bismarck's use of the words: "Seven Years War" during the post-1890 years.[9]

Since the onset of the rise of the Netherlands as the Anglo-Dutch pawn in the wars against Louis XIV's France, and the Anglo-Dutch orchestration of what became known as the "Seven Years War," the policy of the imperial Anglo-Dutch cabal of today's pro-bestial World Wildlife Fund, which had been represented recently by Britain's Prince Philip and Netherlands ex-Nazi-SS man Prince Bernhard, has been twofold. First, always, to set the nations of continental Europe against one another's throats, and to act similarly in Near Asia, as in the Sykes-Picot treaty organization which runs the Middle East wars, including those in Afghanistan and within the region of Pakistan today. Second, to destroy the United States, preferably by the combined use of moral and financial corruption, with useless wars, such as those in Iraq under George H.W. Bush and his son George W. Bush, Jr., and in Afghanistan, then, as now, or Indo-China earlier, as instruments for destroying the U.S.A. itself, as we are experiencing such a treasonous design steering the present role of a British puppet-President of the U.S.A., Barack Obama.[10]

Bismarck knew that the world was dominated, principally, by a great existential struggle between the U.S. constitutional republic and the British Empire. Since the Seven Years War and the relative ruin of France through the London-orchestrated "freemasonic wars" of the Eighteenth and early Nineteenth centuries, all other nations of the world, including Russia, for example, are torn between the polarities of interest respecting the great strategic struggle between the U.S. constitutional system and the British Empire. That is the situation at the moment, when various national capitals in Asia are undergoing shifting pressures to lean toward, or against the U.S.A., and, thus, for, or against the British empire, in what every leading capital of today's world knows as taking either London's or Washington's side in the great new mortal holocaust which is in the process of breaking out soon among the forces of the planet as a whole.

Bismarck understood this nature of things strategically. He knew, for example, as President Charles de Gaulle later expressed that understanding in his pact with Chancellor Konrad Adenauer, and in a related policy of (continental) Europe from the Atlantic to the Urals, Bismarck had already understood that were Prussia/Germany not to seek a fraternal quality of peace with France, once the British puppet, the *casus belli* Napoleon III, were dumped, that the British would use the hatred of Germany stirred up, by a continuation of the warfare in France, to tend to bring a France driven foolish with rage such as that expressed by foolish Karl Marx's idol, the Paris Commune, into line with London in a coming two-front war against Germany.

Other German leaders were not quite that smart at the time, or, for the most part, later. Bismarck had also made a secret agreement with the Russian Czar, against the policy of his own Kaiser, silly Wilhelm II, to agree with the Czar, that Germany would not support the Habsburgs in a new Balkan war, one of the key reasons that the Prince of Wales demanded that his nephew Wilhelm II dump Chancellor Bismarck, a dumping of Bismarck which ensured what was to become "World War I," and, also, the echo known as "World War II," and also the "Cold War," and the U.S. War in Indo-China after that.

Who in Hell is so stupid today that he does not know that the British empire under the present family monar-

9. Later, during the 1890s, the same Mikado jumped ship, going over to become the British ally in a way which would lead to Japan's ruin in World War II, because he was told by the British Royal Family, that he, like them, was an emperor, and "we emperors" must stick together against the U.S.A. That was Japan's policy as a puppet of London in the wars against China, Korea, and Russia of the post-1894 period, and was the basis of the 1920s alliance of Britain and Japan to destroy the naval power of the U.S.A.'s naval forces in both the Atlantic and Pacific waters, the Anglo-Japan alliance of the 1920s which led to Japan's attack on Pearl Harbor, and to the trial of the American patriot Billy Mitchell in a court-martial orchestrated by the British ideologues in the U.S. military.

10. You can not bargain for influence over Barack Obama; he is a worse than highly neurotic Narcissus, a not-so-very-bright, mere gabber, a British puppet who does not really own his own soul.

chy, has had a centuries-long, unique criminal responsibility for the processes leading into the two World Wars of the Twentieth Century, and most of the worst horrors, including things ranging from such as the original authorship of the mass-murder campaign adopted by Hitler during 1939-1945, through U.S. President Barack Obama's copy of the style of Nazi health-care operations of 1939-1945? Or, also, specifically, that the source of the Nazi-copied health-care policy of President Obama is an echo of the same Nazi-like policies of former British Prime Minister Tony Blair, and Blair's shaping of the NICE-NHS operations, then, as in Britain and in the Obama administration now, and by the Hitler regime in Germany from September 1939 on?

The great statesman of the world avoids taking sides passionately in quarrels among lesser powers. He, or she saves his fire for dealing with the great imperial forces of the principal enemy, or, he or she acts on behalf of civilization in crafting the strategic approach adopted for dealing with any perceived threat from a particular local party. Sykes-Picot cockpits such as those which London manages, top-down, prompting of terrorism and permanent wars and permanent revolutions, such as those of British agent Helphand-Parvus earlier, including those throughout Southwest Asia, including Iran, are British-made versions of the likeness of Malaysian monkey-traps used to snare and kill human beings sickened with silly homicidal passions *en masse*. Britain's policy remains "New Seven Years Wars" for every climate and season, in every part of the world today: it was sometimes called the imperial practice of "divide and rule." The suckers, like the Obama Presidency's folly in Afghanistan today, are the suckers who still buy into the tradition of what had been a Malaysian farmer's simple monkey-trap, as a lure for people today, as in the case of that poor monkey, the Obama administration itself!

Let us say, that the next Nuremberg Trial should be convened in London, for the convenience of the suspects at trial, who might be residing a mere subway ride distant from the place where the relevant proceedings are to be held.

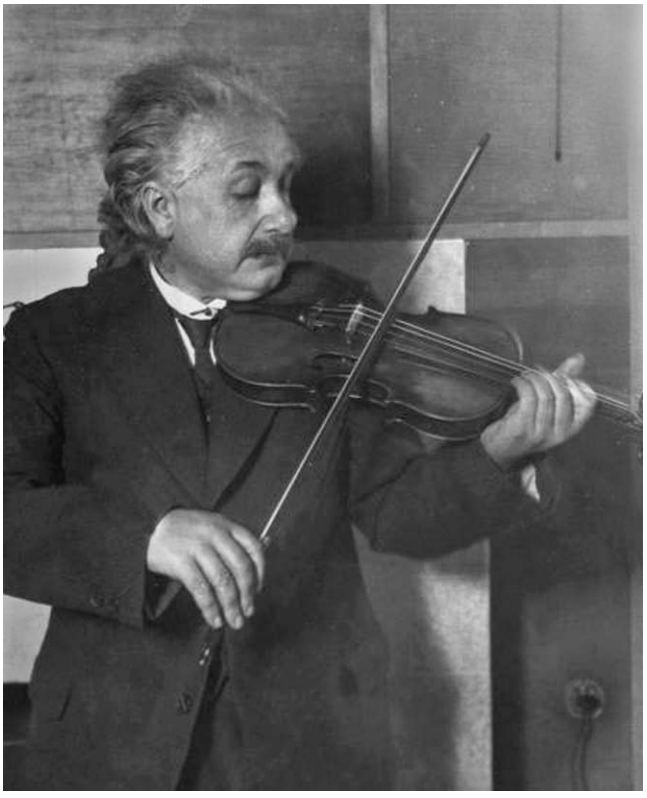
The Role of Drama in Scientific Creativity

"All the world's a stage." In the world of "Type 'B'" personalities, a world in which the human mind manages an intermediating relationship with the domain of mere sense-perception, that human mind tends to create a surrogate identity for himself, or herself, an identity which is an object-like personality which is employed to mediate the relationship between the self-conscious, creative powers of the [Type 'B'] individual mind, and the domain of sense-perception. It is this role of the surrogate, between the inner self-consciousness of the person and the sense-perceptual domain, which inspires the character of both the scientist and the self-critical, Classical artist. This is the [Type 'B'] relationship between the inner self and the surrogate. which appears to be the "external identity" of the actually creative mind, which underlies the notion of "all the world's a stage."

So, in the greatest Classical dramas, for example, the audience, contemplating the proceedings on stage, is experiencing that three-fold relationship of the Type "B" mind to the sense-perceived object, a relationship which we should associate both with Classical physical science and with great Classical artistic composition and its performance. In both domains, we view the actors on stage, or on the television screen, as merely the indispensable instruments of the mind of the playwright and director, objects which have a function, but no substance in themselves, otherwise; the actors on stage are required, because they are required to mediate the audience's attempts to grasp the reality of the idea of that social process which subsumes the role of the actors *dynamically*. A congruence must be achieved, to the intended effect, that when the closing curtain has rung down, and the players and director appear on stage, they come as if they were strangers from a world outside what had transpired behind that now lowered curtain. (If not, either the play, or the players, were a failure.)

So, as I have stressed repeatedly during this report, thus basing myself on past decades of experience, that *true human creativity, including physical-scientific creativity, resides, originally, only in Classical artistic composition,* and from thence, when, from time to time, the quality of creativity is, so to speak, at home, it enjoys visits with its well-meaning, but dull-witted, harem-eunuch-like neighbor, mathematical physical science, bringing the neighboring Mr. Mathematics not sugar, nor a neighborly sharing of cups of coffee or tea, but a bit of the actual creativity which mathematicians as such have never been able to supply from within their own native calculations. The case of the creatively imaginative Albert Einstein and his violin, points out the relevant distinctions, and related matters of connections.

Here, Einstein, as the seriously committed, if ama-



"Type B" personality Albert Einstein, as the seriously committed, amateur Classical musician, created an intellectual dialogue between the two "phase spaces" in his mind: physical science and artistic performance, in contrast to the post-1945 existentialist forms of cultural corruption promoted by the Congress for Cultural Freedom, et al.

teur Classical musician, finds his own reflection, in the domain of the creative imagination, in Einstein's own domain of scientific genius. All good science, including any competent practice of a science of physical economy, is situated in a Classical artistic sense of personal identity. With the performer's active sense of the dialogue between these two "phase spaces" as the actual substance of the performance, both the artist and the scientist produce those intended effects of performances which were to be readily recognized as such on any relevant occasion. So, on the contrary, the maliciously intended perversion of such post-1945, existentialist forms of moral and intellectual corruption as the propaganda piece known as **The Authoritarian Personality** and the European Congress for Cultural Freedom (CCF), contributed their leading part to the destruction of the economy of both Europe and the Americas. The destruction of the moral sense, which is characteristic of the existentialist notion of what is sometimes named "thrownness," by destroying the moral character of the personality, destroys the creative factor on which the effective inspiration of science depends. Hence, in the latter, pathological case, we have witnessed such expressions of "existentialism" as the fascism of either the Nazi regime or its twin brother, the '68ers' so-called "New Left."

The musician, or scientist who is not self-conscious of this in his own role, tends, thus, to become a moral failure of performance, in either, and both instances. Each may attempt to simulate an honest performance, more or less cleverly, but, mere cleverness is neither artistic nor scientific inspiration.

Similarly, for related reasons, whenever the actor on stage locates the mission in his own person, rather than the "Type 'B'" personality crafted by the playwright, director, and the real-life personality of the sound actor off-stage, the hollow sound reveals itself to the soul of the audience, and, probably, to the soul of the actor himself, or herself, in one fashion or the other. Mere technique fails, when the performer has mislain his soul for that occasion when the personal "ego" charges out on stage, as in the case of Olivier's disgusting playing in **Richard III**.[11]

So, as I have emphasized within earlier chapters of this present report, the root of human creativity is resident within the powers of the "Type 'B'" development of the individual human mind, not the presently more popular, and more object-like image of self expressed by "Type 'A'." Take the case of music or drama as illustrations of the state of mind typical of the truly creative artist. My associates and I have often discussed this among us, on those occasions when we refer to matters of Classical modes in drama and music. However, never forget that such examples are also of crucial importance for science, especially so in the matter of that science of physical economy which is our principal subject-matter here.

I shall summarize two, rather obviously related examples of types from Classical music and drama, first, and then *show the relevance of such illustrations for showing related characteristics of competent thinking about a science of physical economy.*

11. I do not object to the actor's taking pride in the performance, after the performance; quite the contrary. Let him, or her, "let it out," but with decent respect placed foremost for those accomplishments of the others, on which the success of the performance of the whole depends. However that may be, within the performance itself, as in combat, each performer must submit humbly to the accomplishment of the proper identification of the mission as a whole. Never let the performer bring his, or her ego in from the street outside; mission orientation, always!

The well-trained musical buffoon, or what had once been Classically trained musician turned apostate from Bach, as cases of such types are illustrated by those terribly offensive, sometimes disgusting, systemic faults of the late stage-actor Sir Lawrence Olivier, substitutes some fantasy about himself, or herself, for the part he, or she plays. The great actor, or poet, harks back to the Classical stage of ancient Greek times, with parts performed behind the mask. What lurks behind the mask, from case to case, within the confines of each drama, is a completely different personality, whose characteristic behavior differs accordingly from another person who takes a turn in speaking, on behalf of a different character, behind the very same mask.

All great Classical poets and singers have understood this matter more or less well, and good Classical playwrights and composers, too.

The truly dedicated and skilled actor, who, therefore, develops, and plays his part behind the mask, in his turn, knows virtually every hidden detail of the mind of the character he plays, even those aspects of the character's life which are not included in the script. In his, or her preparations to go on stage, since the ancient **Iliad**, **Odyssey**, and the dramas of Aeschylus, that actor never limits himself, or herself to consideration of the specific actions assigned to that part within the relevant play. That truly qualified actor would recognize the personality of the same character he is assigned to play, in an entirely different drama, as occurs with some Shakespeare dramas, because this actor has developed insight into the *dynamics* of the existential character of the character, a character, such as Sir John Falstaff, whose "voice" is recognizable from behind whatever mask he bears on stage.

The same is true for the competently composed and acted Classical musical drama, or any competently composed and performed work. The counterpoint marches, but the concept lies in the mind of the composer, performers, and audience, respectively, not in the abstract expression of the procession of notes as such.

The competent actor, for example, does not put himself, or herself into the part, but, like a competent psychoanalyst, plays the part under consideration as he were a marionettist, as something outside himself which he or she has treated, or even created, and which he, or she controls, by himself, but as outside himself.

This is just as the competent scientist, of the Type "B" category, judges the phenomena, including that which he, or she is generating, and is playing, as the marionettist does. It is the same with the competent scientist, who orchestrates the effects, the virtual shadows on the wall of sense-perception, which he, or she produces. He, or she accomplishes that effect by knowing the real subject, which is unseen, but whose shadow is cast in the form of either sensory or imaginary perceptions. The perceived figure on stage, is projected upon that perceived stage as the unseen person played by the actor who has thus created, and is controlling that image, that shadow of his imagination, which the audience imagines that it had perceived on stage.

It is the same in competent physical science enacted within the real domain of the conceptions of the Type "B" mind.

That much said of the Classical actor, now translate what I have just described about such Classical characters and of the way a character to be played by such as Mr. or Mrs. "Type 'B'" is situated within that great drama which is *the proper, ironical practice of physical science and its part in the definition of physical economics as the chief part of physical science.* Use an ironical aspect of Kepler's uniquely original discovery of the concept of universal gravitation, as the place at which to moor the relevant argument, as follows:

As I have already emphasized, earlier, here, there are actually two conceptions of the principle of universal gravitation represented by Kepler's discovery. The lesser discovery, which is actually a by-product of the greater, is the determination of a mathematical expression for the role of gravitation within the Solar System, an otherwise perfect such formulation, which lacked only a precise, experimentally determined value for one among the crucial, clearly defined parameters; this is the mathematical formulation which was plagiarized, and that flagrantly at that time, by those English courtly puppeteers steered by the Paris-based, Venetian Abbé Antonio Conti, the Conti who was that avowed devotee of the pathetically foolish, but nonetheless malicious Rene Descartes, a Conti who, in concert with the depraved Voltaire, deployed the essentially silly, black-magic devotee Isaac Newton to play the part of the plagiarist, as the proverbial "patsy" of the crime of plagiarism in the matter of what had been entirely Kepler's original discovery, and also that of Leibniz, a discovery, by Kepler, which is detailed to a fine point in what had been widely published in scientific circles in

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Any hope of rescuing this planet, demands action from a concert of leading nations—the U.S.A., Russia, China, and India—to create a new international credit system for worldwide economic development. Here, an artist's conception of the Bering Strait Railway Tunnel, connecting Wales, Alaska and Uelen, Chukotka, Russia.

England as excerpts from Kepler's published works.[12]

That said, and placed to one side for reference as needed, the formulation for gravitation, as defined by Kepler, was widely copied into what has been adopted dogma of the otherwise most ungrateful plagiarists of the physical-science academia, who steal the ideas of great men and women, but rarely acknowledge the existence of the intellectual food they have taken as the nourishment of their sullied ambitions. That is, as it is; however, the more fundamental aspect of Kepler's work, is not only ignored, except by models of such actually great thinkers as Albert Einstein. The principal fact of the matter, is, as Einstein emphasized, that: 1.) That discovery proves that the universe is, within any apparent instant, *ontologically finite*; however, it also proves, as Einstein emphasized: 2.) That that same universe is unbounded, or, in other words, that the universe is governed by a principle of *anti-entropy*, and is therefore only relatively finite, only in respect to its known, or knowable state at any time.

This fact, has the most crucially imaginable significance for defining the underlying general principle of a modern physical science of economy.

Indeed, examination of all of the characteristic failures of globally extended, modern notions of economy developed in trans-Atlantic European society, reflects systemic errors respecting principle, principles whose violation underlies the history of persistently recurring failures of all modern, and also earlier, forms of economies. Such is the categorical nature of the subject-matter before us here and now.

Science is what we can prove an effect would be, an effect produced by means we can not perceive *in themselves*, but only conceive, as the unseen director of the play prompts the audience to see the drama as played on stage, rather a drama which is playing those actors as such—at least, until after the final curtain has rung down, when the mere players and unseen director appear before the curtain on stage. That expresses the principle of Type "B."

What must now be said of the practice of the science of physical economy, must be spoken to minds viewing the subject in such terms of conceptual reference.

It is so with the performance of the real economy, the physical economy. The productivity (e.g., the value) lies in the effect of the organization "of the notes," rather than the notes as such. Therein lies the correspondence of economy and mind.

That is why I have always succeeded in forecasting. I never "predict" as statisticians do. I warn of the timely effects of timely choices, or non-choices, among alter-

12. One must therefore wonder, whence so many modern academics heavily laden with higher degrees, obtained their opinions in this matter; they had, certainly, never worked through the thoroughly detailed account by Kepler himself. Was that not actually pretty immoral of them?

natives. When that true nature of my forecasts since 1956 is considered, my forecasts have never erred to date. When I have warned of a timely disaster, were a certain change not made, and that warning has been disregarded, there has been a timely disaster, as in Spring 1957, and, more notably, 1966-1971, and, most notably, 2007. In those times, and later, it is those who attempt to predict a statistical certainty contrary to my forecasts, who have *always* guessed wrong.[13]

NOW, TO THE PHYSICS OF ECONOMY

From here on in this chapter, what I shall say would often be considered, ordinarily, too profound for the ears and eyes, but not the tears, of those whom we regard as our customary fellow-citizens, or, even among what would be supposed, ordinarily, to be most among leading relevant categories of professionals. However, ordinary conditions no longer exist; we have come into times, especially since July 2007, during which ordinary thinking has proven itself to be, now, nothing as much as a terrible failure, and customary ways of reacting to challenges have been, in effect, a source of disasters which now begin to be seen as fruits of absurdities beyond customary powers of belief.

Nonetheless, that much said, here, I must take a certain risk of being, sometimes, misunderstood by some readers, a risk rooted, so to speak, in the stubbornly persisting habits among both the audience for the play, and even many among the leading actors. "The usual way of thinking" during recent decades, has been a form of public risk akin to the practice of medicine by amateurs, which has usually occurred, even among the usually leading ranks of our government, but for what are, today, very rarely, actually politically or scientifically qualified professional ranks.

We have come into a time when we are all faced, immediately, with the urgency of what must be considered as my warning of needed action proposed for a concert among several leading nations. The fact is, that, now, there is no sane alternative, even in the very short term, except, often seemingly egregious courses of action which I have prescribed for the here and now. The hope of rescue of this planet's population demands that course of action by me, and nothing less.

Therefore, some among you might have preferred to ignore what I shall write in this chapter, but only at your own peril, and, also, that of your own and many other nations, besides. Neither the presently reigning world monetary-financial system, nor the way of thinking about economy typified by the product of the usual daily or weekly press, nor the intention of our own nation's institutions of government, no longer has any useful future place on any part of this planet, even during the immediate future, or, even a distant one.

Yet, once we have conceded the importance of the difficulties of which I have just written here, there is another, helpful, fact to be considered.

A great portion of the adult population of the U.S.A., at least more than half, already, has, just recently, broken free of formerly habituated "respect" for either the recent sessions of our Federal Congress, or the incumbent President and current composition of the U.S. Congress, alike. Under such conditions as these (the proper definition of a "mass strike"), it is as Percy Bysshe Shelley wrote in his ***A Defence of Poetry****, and as Gottfried Leibniz defined "dynamics," and as I now repeat in the passage I shall now repeat, immediately below, from a passage which I had quoted in an earlier chapter of this report here:*

So, often in history, the time has come when the people of a nation can no longer stomach the habits of a reigning government, such as our own at this instant, a government which has lost all respect in the eyes of a majority of the people, as the majority among our citizenry now have made clear, in their showing their contempt, even disgust for the incumbent President and present leadership of the Congress alike. It is a majority which, also, despises the relics of whatever passes for our own current version of an ancien regime *under the now retired President George W. Bush, Jr. and the present President Obama, a regime which presumes, like the King Louis XVI of France protected by the armies of an alien Austro-Hungarian emperor, in July 1789, that it controls the situation now, as it presumed then. Such has been, so far, the conduct of an Obama administration which presently relies upon its submission to control over the policies of our government by an utterly alien British empire, an empire which has been our American people's sworn enemy since the aftermath of*

13. I forecast a likely breakdown as a relatively early oncoming development in 1966, which occurred in the successive developments in Britain and the U.S.A. between Autumn 1967 (in Britain) and February 1968 (in the U.S.A.). This process of a breakdown continued to operate through the Summer and Autumn of 1971, and even at that latter time, my British opponent, Professor Abba Lerner, reputed, then, to be the leading Keynesian of that time, guessed wrong in his Queens College debate against me.

the Peace of Paris of February 1763. In such times as these, the costumes of reigning authority are transformed into the image of those despised political old rags seen in that government which our betrayed citizens now consider as their immediate enemy.

So, think back to Shelley, and to that principle which guides an aroused population which has chosen to cast off those who have betrayed it, as this was expressed in those past times by the combined power of the American people, and our allies, which were, similarly, aroused by the infamy of the forces governing the Britain of that time:

> *"... The person in whom this power resides, may often, as far as regards many portions of their nature, have little apparent correspondence with the spirit of good of which they are the ministers. But even whilst they deny and abjure, they are compelled to serve that power which is seated on the throne of their own soul."*

The crucial features of the work of those who are now still the most important among relevant figures of physical science of their time, such as Bernhard Riemann, Albert Einstein, and Academician V.I. Vernadsky, are features which implicitly define a science of physical economy. These features locate the existence of mankind as being within the power of a universal Creator, while the rest of the matter is to be treated as that which belongs within the bounds of economy as, in order of descending authority: *first, and foremost*, the creative powers specific to the human individual, powers which, at their highest level of expression, are a power of mankind over the Biosphere, at the top, *and the power of both man and, second, the Biosphere over the third, the Lithosphere,* at the bottom.

The pivotal feature in what I have to write here, now, pertains to the urgently needed introduction of not only the updated definition of the principle of modern dynamics introduced during the 1690s, against the utter incompetence of Rene Descartes, by Gottfried Leibniz, but also the function of the concept of physical space-time, as opposed to clock-time, as a central feature of the needed elimination of the not only vulgar, but intrinsically incompetent notions of "time-line" as employed by those scientifically underprivileged who have dominated both accounting and governmental policy-shaping up to the present moment of history.

It is that which is the act of freeing even professionally informed opinion and practice, from what must be recognized as a scientifically absurd notion of the composition of mankind's universe, so defined, which is the essential functional distinction, at all times, past or future, of the existence of all mankind, which goes to the core of what I write here.

The root of a great, and, unfortunately, still widespread error of presumption respecting the nature of mankind's role in the universe, is the presumption that an imagined force of what is often misnamed "nature," rules our planet and its Solar system, an arrangement to which it is presumed, that people must submit, even their government. The fact is, that under the rule of the Creator of our ever-developing universe, man is the only known true authority for decision-making other than that Creator, Himself. We are therefore responsible, in that degree, as much for what we fail to do on that account, as for the effect of those actions which we were willing to take.

That is the only competent definition of the nature of a truly effective form of economy, a definition which signifies that it should be our intention to say, that it is that practice of *"a relativistic science of physical economy"* which is presently indispensable, if we are to rescue mankind from the deepest and most prolonged planetary dark age in actually known history of our planet to the present date.

Thus, to be more precise in this matter, it must be emphasized here, that there is nothing either exaggerated, intellectually skewed, or otherwise strained, in stating here and now, that the true principles of a science of physical economy are within the indicated domain of that notion of *universal, physical relativity* associated with legitimate admiration of the work of Albert Einstein.

As I have already pointed out, earlier in this presentation, the fact is, that the residual portion of *past investment* in the scientific-technological factor of increased potential relative population-density, as by investment in physical capital improvements, is acting on the relative increase of the productivity, *per capita and per square kilometer*, of the present economy. This fact illustrates that point which is to be considered, on this account, that in a manner related to the case of a future, accelerating trajectory in a Helium-3-fuel-powered flight from Earth-orbit to Mars-orbit, *and return*.

Such a physical-relativistic implication of such an hypothetical (but, in principle, feasible) future flight,

must be stated in terms of the level of present actualities, as I do in the following review of the matter here.

The subject of a science of physical economy, which is the only sane notion of economy which can be decently considered under present conditions of the ongoing, global, economic breakdown crisis, is thus defined in terms of the role of the creative powers of discovery of physical, or comparably efficient principles, as considered in the context of the notion of *dynamics* introduced to the calculus by Gottfried Leibniz beginning 1690. Leibniz's discoveries since that time, have since been realized more fully, and that chiefly, by such means as the exemplary implications of the successive efforts of Riemann, Einstein, and Vernadsky.

There are several crucial implications for any competent future notion of economy, in this outlined point which I have just stated.

EIRNS/Stuart Lewis

Contrary to the characters in Shakespeare's "Julius Caesar": "A majority of our citizenry, here in the U.S.A., have just recently ceased to be underlings." Here, the Classical actor Robert Beltran conducts a drama workshop on "Caesar," with members of the LaRouche Youth Movement, in Reading, Pa., May 2004.

First, of course, the possibility of competent economic practice now depends, especially under the unique quality of crisis encompassing the world economy today, on understanding the evidence which proves that what I have just written, is true. Secondly, many, including some victims of what sometimes passes for scientific education, will disagree, some violently; thus, they are either showing their ignorance, or showing the corrupting influence of widespread, increasingly abundant, modern positivist streams of higher mis-education in such matters. That and comparable cases taken duly into account, the problem is that most people today think of action by mankind in the universe, as being like moving into residence in a rental, or mortgaged property, a choice which they may often come to view, later, as among the roster of those things which actually possess, and, thus, oppress them; meanwhile, usually, they have remained ignorant of the fact of the true nature of mankind's role, as a role distinct from that of the beasts, even though they remain, at the same time, nonetheless, members of the Noösphere, that as Vernadsky, and, implicitly, Albert Einstein, too, defines the Noösphere.

I emphasize, as I have indicated in earlier portions of this present report, that the typically chief source of the popular errors of present European culture's academic life, respecting physical and related science, is of the same type as that of the influence of Aristotle, who represented that fraudulent doctrine which Aeschylus's **Prometheus Bound** associates with the dictate of the Olympian Zeus of that **Prometheus Bound**, as this is shown in the fictional Zeus' prohibition of the knowledge and use of "fire" (e.g., nuclear power) by mankind. That view of Zeus, while fictional, is also an expression of the true root of the doctrine of the system of Aristotle, and, consequently, of the famous hoaxster Euclid's *a-priori* doctrine for a purely formal, rather than physical geometry.[14]

14. The doctrine of Aristotle provided the basis for the "God is dead" argument of Friedrich Nietzsche, against which Philo of Alexandria argued, in defense of the power of a living God, on behalf of Judaism, against the evil Aristotle. Hence, we have the distinction between physical curves, such as Brunelleschi's use of the physical principle of the catenary for crafting the construction of the cupola of *Santa Maria del Fiore*. and the development of an anti-Euclidean, physical geometry by Nicholas of Cusa (e.g., **De Docta Ignorantia**), and the definition, by Cusa's follower Leonardo da Vinci, of the functional relationship of the catenary (and catenoid) to the tractrix. The uniquely original development of the universal physical principle of least action by Leibniz, in collaboration with Jean Bernouilli, is an illustration of this, as is the

To restate the point in a way which brings forth the crucial scientific issue here, the popular view of the universe, still today, is, unfortunately, of a type which I have identified here, in this present report, repeatedly, as Type "A." Or, to illustrate the same point in a different way, such people are the victims of something like three thousand years of subjugation, as since the account of the Homeric siege of Troy, and by the tragedies of Aeschylus later, to varieties of European cultures which have behaved, apparently, both intellectually and emotionally, as victims of social systems dominated by the European form of mental and moral illness of that pro-Aristotelean defense of "filthy lucre" known as "monetarism."

As I have emphasized, in sundry fashions, in earlier sections of this present report, the world as a whole has come *to that point of crisis, at which, most among the customary beliefs encountered among presumed leaders of the most powerful nations, are now shown as having been predicated on that popular presumption which tends to lead them to overlook, or deny, wishfully, the most essential fact that there is a presently onrushing, world breakdown-crisis nearing very close to its terminal state, at this moment of writing. So, the choice for each and all parts of humanity, has now become, either to abandon monetarist systems, for their replacement by credit-systems of the types implicit in the celebrated arguments of such as the U.S.A.'s Alexander Hamilton, or to embrace the consequence of failing to do so, now, by resolving to enjoy the dizzying, presently accelerating roller-coaster ride to Hell, which the present global state of monetarist practices and beliefs of most leading governments, such as virtually all of Europe and the leading institutions of the U.S.A. would appear determined to render fatefully inevitable at the present time.*

So, William Shakespeare has warned us, still today, against even the tyrants of our own time, as, for example, on a crucial point presented in his **Julius Caesar,** as through the voice of his character Cassius, speaking to Brutus, speaking of the tyrant Caesar:

> " . . . he doth bestride the world
> Like a Colossus: and we petty men
> Walk under his huge legs, and peep about
> To find ourselves dishonourable graves.
> Men at some time are masters of their
> fates:
> The fault, dear Brutus, is not in our stars,
> But in ourselves, that we are underlings."

Shortly after that, Cassius asks Casca:

> Cassius asks: "Did Cicero say anything?"
> Casca: "Ay, he spoke Greek."
> Cassius: "To what effect?"
> Casca: "Nay, and I tell you that, and I'll ne'er
> look you I' the face again; but those that
> understood him smiled at one another, and
> shook
> their heads; but, for mine own part, it
> was Greek to me. . . ."

Be careful; always read Shakespeare according to the Type "B" rules implicit in the intention of both Classical drama, as I have emphasized the reality of the present world-wide crisis here, earlier. These are, for example:

1.) *Cassius to Brutus*: That the historical process is *dynamic*, not what would be identified as "Cartesian," or "Liberal," or the typically Liberal misreading of the individual figure of Shakespeare's dramas, as by those academically schooled "traditions" of the Twentieth Century education, as still met today.

2.) *Casca to Cassius*: evasion of discussion of the existence of a higher viewpoint located in dynamics. The apparent loss of a memory of the experience of a Classical Greek civilization, defines the higher sort of tragic feature within which the drama of the play is situated, So, Casca's reaction to Cassius' question, is typified by the implications of the briefly recurring references to Cicero within the play. Shakespeare clearly intends to make that point by the brief, but nonetheless crucial treatments of the subject of Cicero in that play.

For many, perhaps, the second of those two points will appear, mistakenly, to be a remote factor, if one at all. The crucial, sometimes fatal error in that sort of criticism of my argument, is that truly efficient ideas in history are never discrete events, but, as Shelley emphasizes in his **A Defence of Poetry**, express a direction in the dynamic ruling over the unfolding evolution of cultural development in a certain direction, as in the case

modern physical geometry of Bernard Riemann, and such among Riemann's more notable followers, as Albert Einstein and V.I. Vernadsky. This is a crucial difficulty in the practice of science, still today, a difficulty shown by a prevalent tendency to confuse a fictional, *a-priori* geometry, with real-life, physical curvatures.

of a true "mass strike" process such as that in the 1989 DDR. Without taking into account the powerful influence of what had been a profoundly superior Greek cultural basis over that developed of Latin, as the older Italian praised by Dante Alighieri is a better language for beautiful singing than Latin, there can be no competent insight into the actual state of Rome at the actual time of the real-life Caesar and the plotters. So, often, as in this case of the relationship of the Greek legacy to the Roman culture, it is the mightier which has fallen because of a fatal folly, while the inferior, like jackals and hyenas by night, seizes the fallen as prey.

A majority of our citizenry, here in the U.S.A., have just recently ceased to be underlings. Most among them will agree with me, as I develop the richer ironies of stating that point here: *It is about time!*

The points which I have emphasized, briefly, thus, here, could be readily overlooked for reason of the widely shared, mistaken presumption, that ideas occurring within the mind of the individual, are ontologically discrete in their nature, as their nature is presumed, mistakenly, to be limited to the character of the individual's products. That mistaken assumption has been reenforced in modern European practice, by that prevalent credulity, as by university students and graduates, which prompts so many among them to assume that the individual discovery is an hermetically discrete form of existence in respect to those ideas, which they presume, implicitly, to be ontologically discrete, both in form and other characteristics. In other words, the notion of the "infinitesimal" is wrongly presumed to be *ontologically* Cartesian in form, as the thoroughly foolishly de Moivre, D'Alembert, Euler, et al. presumed respecting a calculus which they assumed, foolishly, to be an outgrowth of the mere mathematical method of "infinite series," a method which is widely favored in academia and kindred places, still today, favored, most notably, by our contemporary dupes of the evil Paolo Sarpi, an opinion which has been often put in place of that Leibniz infinitesimal which is defined as the efficient adumbration of a subsuming dynamic principle.

In human behavior, ideas corresponding to a notion of principle, are rooted in *a subsuming, continuing process of the history of the development* of those ideas which correspond to the kinds of controlling principle rooted, as if hereditarily, in a history of the continuing development of those conceptions which are to be treated as expressions of physically efficient, non-Aristotelean (e.g., non-Euclidean) universal principles.

For example:

If we trace the origins of the dynamic quality of its functioning from the process of the history of the emergence of ancient Roman history since approximately the sixth century B.C., we must note the traces, through, in significant part, the earlier channels of the Hittites and the later Etruscans, since about the approximately 1800-1400 B.C. Hittite regime in what we know presently as the ancient Turkey centered east of the Halys River, and, also, in the intersection of that with the impact of ancient Greek culture, in pre-shaping the culture of what became Caesar's Rome. On this account, we must discriminate between the relatively more powerful force of evolutionary development of culturally heritable, implicitly universal conceptions, from those notions which are of lesser, relatively transitory influence on the culture in general.

Consider, for example, the powerfully subsuming influence of Mediterranean maritime culture since ancient Greece's defeat of the attempted control of the region of the eastern Mediterranean through the "Persian Wars," and also the still earlier impact of the siege of Troy on all of the cultures converging on Italy. Just so, does the culture of the anti-oligarchical, English-speaking U.S.A. differ, qualitatively, functionally, and systemically, from that English-speaking culture which, the latter, is still situated within the characteristically oligarchical tradition of cultures, expressed top, down, in Europe, even to the present day. We must take into account the difference between American patriots as against the typical subjects of the United Kingdom and its erstwhile colonial possessions, a difference which has often been fairly identified as two cultures separated, systemically, by the culturally differing social intentions embedded in the use of a common language.

For example, consider those same, comparable two instances, British versus American, of contrasting expressions of a common language: the mass-strike phenomenon which has erupted in the U.S. population since the August closing of the most recent session of the U.S. Congress, as comparable in similarities of character to the "mass strike" which brought down the DDR system.

The most notable feature of that development, is to be seen in the fact that the DDR dominated by the Soviet Union, resisted, as, for example, in Saxony, that artificially induced, morally degenerate, pro-existentialist ideology of the post-1945 Congress of Culture Freedom (CCF), a British-devised strategic policy of up-

rooting the Franklin Roosevelt legacy, an anti-Roosevelt scheme which had significantly corrupted the German population of western-occupied Germany, especially the pro-existentialist currents of German young-adults born after 1945, whereas, ironically, for just the reason of the Soviet encouragement of the fostering of a traditionally German Classical culture in East Germany, it did not so corrupt the East German population, as typified, most clearly, by the cases of the cities of Leipzig and Dresden in 1989-1990.

Thus, in that comparison, the 1989 mass-strike revolt against the DDR regime, had the distinctive character of the resonance of the repeated: "*Wir sind das Volk!*" a dynamical form of outcry which expresses the same species of mass-strike phenomenon which we should recognize now as the presently ongoing August eruption of a mass-strike of the majority of the adult U.S. population against the hated regime, with its frankly Hitler-like, mass-murderous health-care policy, which that present majority of the U.S. population has recognized in the succession of the already predatory George W. Bush, Jr. Presidency, and the presently, already worse Obama Presidency.

The expression which Shakespeare introduces in defining the character of the assassinated Julius Caesar's successors, through the role of the negotiations, on the isle of Capri, between that creature, called Octavian, which would name itself Caesar Augustus, and the representatives of the priesthood of the cult of Mithra assembled there, characterizes the exact manner in which the continuing, ulcerous conflict of the post-Second Punic War period, among near-Asia, Egypt, and Rome, was resolved in favor of a single, Mediterranean, monetarist form of empire of Rome which was, actually, dominated by the priestly influence of the cult of Delphi over Rome, through the time of the incumbency of the last potent high priest of the ancient and evil Cult of Delphi, the sophist Plutarch.

To make the point respecting Shakespeare's drama clearer at this point in my report, there is no natural culture among the animals, except as in the case of domesticated animals, notably dogs properly trained by "transference" of a family-like allegiance to human owners, after the initial weeks of their lives following the primary weaning period, or the different, but comparable case of the domestication of horses. Everything respecting human social behavior in societies, expresses the cultural evolution, as of what is most conveniently identified as a relevant set of converging language-cultures, reaching back to roots even hundreds of generations earlier.

So, Shakespeare's Cassius pointed to a dominant, *dynamic*, role of Julius Caesar which is typical of the Roman culture of that time. The alternative to the cultural impulses defining the assassination of Julius Caesar and the conduct which broke out almost immediately among the quarreling assassins, is located within what Shakespeare rightly emphasizes are the deep roots of the Etruscan-Greek antecedents of Roman ideology, since no later than the reforms of the Gracchi's settling native-Italian speakers among the veteran Roman legionnaires as farmers in Italy, as, later, the Italian-speaking veterans who founded, then, the presently Italian languages of the Iberian Peninsula, France, and Rumania in their respective dialects, as in what became known as what Dante Alighieri emphasized as being the originally Italian-speaking (rather than Latin) Iberian peninsula, France, and Rumania.[15]

The case of the Caesarian Roman empire established through Octavian's negotiations with the cult of Mithra, is what became specific to the ensuing empire; but, the sociology of such phenomena is the matter of more general relevance, especially in the specific type of culture of a maritime-based monetarist culture, rooted in the Mediterranean development around Greece, Egypt, and Italy, as extended further into the principal slavic languages and dialects, including what had once been Greek-speaking, eastern Europe.

It is a related fact, that throughout his work, Shakespeare emphasizes the principled notion of "self"-consciousness in his style of dialogue, as he composes the dialogues of this referenced location. That is to say, that the audience is induced to believe in the stage-induced illusion of that merely staged character's simulation of a thinking self, an imitation whose characteristics are to be adduced from expressions of behavior which may not be explicitly presented in the drama, or reflects a personality who, often, either does not actually appear

15. See that much maligned (by oligarchical factions) republican patriot of Italy, Niccolo Machiavelli, on the principles of modern European military science treated from the comparative standpoint of ancient Roman experience. Those who have neglected such studies, including, apparently, even some modern general officers. are often to be told to "shut up until you know what you are talking about." Let them begin with attention to the role of Machiavelli's official activity, in the train of Leonardo da Vinci's direct influence, in the struggle for the defense of the Republic of Florence, a role for which Machiavelli was virtually held captive for the remainder of his life, since the crushing of the republic of Florence by the oligarchical interests.

as that character identified as on the stage, or is presented as having died earlier in the unfolding of the drama (as the matter of the ghost in **Hamlet**). Such is similar to the continuing role of Julius Caesar's influence on the history of the conspirators, once dead, since his assassination is referenced throughout the remainder of the Shakespeare play, but, as if he, or she were nothing more substantial than what appears on stage as, like the ghostly person thinking, if viewed according to the principle of "Type 'B'," as the ghostly presence of nothing other than the playwright's own expressed consciousness of such relationships. That is to speak of the consciousness of his own self as author and director of the dramas, by the playwright Shakespeare, as a Classical playwright's intention to define that object which is intended to be represented to the audience as what appears to the audience as the mental-emotional state of each of the designed characters in the play—as it is in the *Passions* of J.S. Bach, and the masses and musical dramas of Mozart and Beethoven.

Such lessons, as from Classical traditions of practice in drama and poetry, reflect and typify the higher-ranking context in which the historical determination of the course of such phenomena as economies, are subsumed, as Shelley indicated in his **A Defence of Poetry**, by the influence of the *dynamic* form of expression of the human will within society, and on the economy of society. The interdependent cases of the U.S. Declaration of Independence, Hamilton's principle of the national bank, and the highest authority in U.S. *Constitutional law*, the *Preamble* of that **Constitution,** are typical of the expression of such principle of *Leibnizian dynamics* in the determination of the course of the history of a nation and its culture over the longer term.

So, in a competent presentation of great Classical drama, pain as such never actually appears on stage, but only the audience's contemplation of the audience's own sense of the created stage-character's adumbrated own pain, or, better, what that character's role which he, or she implies as the senses as being experienced by another, as being implied from behind the mask. The witting member of the audience is struggling with this, as if to seek to embrace, or deny, those passions which are only implicitly, rather than actually expressed by the suggestion of the actions on stage. The superior mind of the playwright or director of the drama, but not the actor on stage, must, all at the same time, experience the echoed sense of the real pain, or other passion, of the character who exists only in that reality for which the drama on stage is but a cast shadow, but which the audience may experience, as a prescience within itself, by means of such things as the imagined experience attributed by the audience to its imagined character in the play on stage.[16]

Thus, only a degenerate sort of author or director of a drama ever puts the bloody passions and pains of the part played explicitly "on stage," as I saw a foolish Sir Lawrence Olivier do that, and, then, later, defend this doctrine of practice in a later autobiographical interview recorded for posterity. Rather, in the Classical drama, or great Classical poetry, such as that of Percy Bysshe Shelley's view in writing his **A Defence of Poetry**, it is intended that the audience, which must experience the sense of the passion, or the pain, in themselves, must do this only in the same manner as the author of the drama has intended the shadows of the drama to suggest. It is the plausible *cause* and the *effect* of the indicated passion, or pain, as experienced by the audience, which is the subject in the drama itself, not the passion or pain in itself. So, the Christian of the **New Testament**, for example, does not experience Jesus's own pain in the crucifixion, but, as in the properly insightful performance of Mozart's **Ave Verum Corpus**, the passion associated with the implications of the power of the sublime idea of a denoted pain which could never be attained in an ordinary way, by an ordinary human individual, otherwise. So, Shelley argues the case implicitly in the concluding paragraph of his **A Defence of Poetry**.

As a matter of contrasts, the existentialist experiences the futility of his, or her own existence, by the rejecting, that with impassioned devotion to the sensual experience of unreality, of both the existence of an actual Type "B" human mind, and a personality of a higher principle expressed by the existence of the living mind of a mortal human personality.

The Classical configuration, and its adversary, the cases which I have illustrated, and thus contrasted in these immediate pages, just now, is a reflection of the

16. So, from Act II of **Hamlet**, we have: "Now, I am alone. What a rogue and peasant slave am I! Is it not monstrous that this player here, but in a fiction, in a dream of passion, could force his soul so to his own conceit . . . Had he the motive and the cue for passion That I have. . . That guilty creatures, sitting at a play, have by the very cunning of the scene been struck so to the soul that presently they have proclaimed their malefactions; . . . The play's the thing wherein I'll catch the conscience of the king." All of which leads, as fatefully, to the outburst of existentialist despair of the celebrated Act III soliloquy.

same, Type "B," state of mind on which a competent science of economy depends, absolutely.

Science, Dynamics & Drama

A grandfather says to the child, "I built this." Or, another grandfather reports, "This was built during my time." Or, nobler soul, another says: "In my time I did experience some of what we did then, but my part was not so important for me, now, when I look back, as the privilege I enjoyed in contributing something to the work led by some of the greatest leaders of our time."

Mankind is the only living expression of those who behave in the manner of immortal living beings. The durable values to be assigned to the efforts and experience of the living individual, are expressed in the continuity of some progress rooted in what was ongoing before a person had been born, which, with his, or her participation, was the premise for further progress in this matter after he had died. In other words, the true value, and reality of life's experience, lies not in the merely perceived, mortal form of the living creature, but the infinitesimal as an efficient principle of change which moves the embodied shadows of our souls, as the physical principle of the infinitesimal was so defined by Leibniz, contrary to Abbé Conti, de Moivre, Euler, et al.

Where, then, is the character Hamlet's sometimes alleged "fatal error," if, indeed, there was ever any historical error specific to him, individually, at all? Rather, Hamlet was self-doomed by his submission to the dynamics of nothing different than that reigning culture of that people at that time, by his refusal to violate the social characteristic (i.e., cultural dynamic) of that self-doomed culture, and not by anything which might be judged a moral error from the standpoint of that state of belief which permeated that entire culture, dynamically. What does Shelley suggest to such effect in the conclusion of his **A Defence of Poetry**? We are, thus, by such questions, thrown back to the principle of *dynamics*.

As in the cases of Shakespeare's dramas **Macbeth**, **Lear**, and **Hamlet**, our thoughts are driven back, by Shakespeare's clearly expressed intention, as if to point, in this fashion of the Classical dramatist, to the depraved moral state of England at that time in his own life's experience at the time of his writing, a state which had been brought about, in then more recent developments, by the process leading into the accession of the foolish son, James I, of a butchered Mary, Queen of Scots. Here, under James I, and under the influence of the utterly evil Paolo Sarpi, we are witnessing a dynamic in an English culture which had been shifted away from what it had seemed to be in times prior to the assassination of Christopher Marlowe, shifted in a way which carried the **Mayflower** to the Portuguese fishermen's settlement later called Provincetown, whence the **Mayflower** was guided to what became known as the Plymouth settlement of Massachusetts.

So, in the plays portraying a state of what appears, on the surface, to be hopeless cases of despair, such as **Lear**, **Macbeth**, and **Hamlet**, plays which Shakespeare composed under the shade of the evil times which fell upon England then, as upon him personally, he composed what are intrinsically ugly dramas set within what were typical hopeless cultures, but, nevertheless, doing this with a cleverly, deviously inserted assertion of an higher historical optimism, an optimism as expressed in the mind of the person who can see his present condition as in the mirror of the happier tradition of Henry VII's debt to the model achievement of France's Louis XI which had been the reflection, in the mirror of time, of Henry VII's triumph over the ancient evil of Richard III. As I have warned many times during recent decades, to understand the subversive powers of evil, is to strengthen not only a passion for the good, but to suggest a strategy by which that evil, once understood, could be defeated, all in the ongoing course of the struggle for good, against the usually prevalent force of evil; we must do this, for, often, in history, we have no moral option but to do so, as we must do now, as the image of Jesus' crucifixion, for the sake of future humanity, a crucifixion which was a crime done by the will of the long arm, reaching from the Isle of Capri to Golgotha, by the Satanic hand of an evil Tiberius' Rome.

In the later productions of Shakespeare, we meet dramas devoted to the subject of bad, even pervasively evil cultures, in the tradition for evil which had been assumed by England in the later part of Shakespeare's life. Those were, chiefly, dramas which echo the evil of those times under the tyranny of such among Shakespeare's enemies as Sarpi's Francis Bacon; but, by looking evil in the eye, so to speak, as in the tradition of evil represented by **Macbeth**, **Lear**, and **Hamlet**, a higher truth is expressed through the means of a seemingly hopeless situation, even as if slyly, in such a fashion that the circle around the great minister of the Leibniz legacy, Abraham Kästner, that circle of Gotthold Lessing and Moses Mendelssohn, would arouse the real Shakespeare as if from the grave, into which the tradition of Paolo Sarpi's captive London had intended to

dump him, into a rebirth of dynamic quality aroused in Kästner's Germany, up and out of the rubbish-bin which was the dominant British culture of that time, through a role of Kästner et al., a turn which made possible what a Kästner, who had died in A.D. 1800, a Kästner then based at Göttingen, had intended, earlier, to become the victory of Benjamin Franklin's circle in the American revolution of 1776.

Goodness does not descend upon us from above. Goodness achieves its goal as a quality of merit, through the arm which dares to combat evil, and to seek to destroy the evil which infects men and women as like a loathesome disease. Evil might be fought as a thing to be destroyed, but to accomplish that, there must be goodness in one's self, as we remember that great President Abraham Lincoln who by defeating the British adversary, by choosing to defend the Union, made possible the freeing of those whom the British and their Spanish stooges had enslaved, slaves freed by no other means than Lincoln's defense of the Union, in the only possible way this victory over slavery here could have ever occurred. Frederick Douglass had understood that that issue must be fought, but Lincoln showed him the instrument of the higher means, the Federal Union, by which the victory could be actually won.

There had come a time, when Shakespeare was soon to be banned from further intrusions upon the English stage of his time, as by the circles of Bacon, in the time of the reign of Sarpi's pirate crew. Nonetheless, later, as during the early Eighteenth Century, when Shakespeare's work was performed in English only as a travesty of its true self, the work of the actual Shakespeare surged triumphantly in Germany in the time of Kästner, Gotthold Lessing, and Moses Mendelssohn, as this was reflected in the higher order of genius of Friedrich Schiller, as also in the rise of a great new nation which the German Renaissance which Lessing's, Mendelssohn's, and Friedrich Schiller's work reflected in our own North America.

So, all true prophets are often devoted to what often appears to be the hopeless cause of such an outcome of a present devotion to a happy future, but, for all that, as Robbie Burns would have said, this sows seeds of triumph in later times. In the end, from those darkest final years of his commitment as a playwright, and the consequent stilling of the motion of his pen, Shakespeare's immortal mission triumphed from out of the darkness, in the end, in the later time of Lessing and Schiller, and truth be known, Bernhard Riemann, too.

Such is the nature of human immortality, when we have the good sense to commit our life to dwelling in that realm beyond our often impoverished present conception of the passage of historical time, an accomplishment rooted in our intention to bring forth such a future outcome. That is, rooted, not by chance, in the fact that the essential article of Christian faith of martyred Peter and Paul, and of the John who survived those times, is a faith in the simultaneity of eternity, a faith, such as that of Paul's **First Corinthians** 13, expressed in relatively lesser, but necessary achievements, such as man's coming to live, and reign, in performing the work assigned to us by the Creator, our labor as His true emissaries, the mission which we must therefore conduct, from this day onward, among the galaxies.

Against that background, the work of Academician V.I. Vernadsky, more than any other scientific figure up through his lifetime, presents an argument, premised on crucial scientific evidence, which implicitly defines mankind as the ruler of the system we inhabit, rather than as adapting to merely material circumstances which exist independently of our will, rather than as the legacies of the evil Olympian Zeus and Aristotle would demand such self-degradation of us, still.

Properly human adaptation signifies the obligation to make those changes in the universe on which the continuation of our species' existence now depends, considerations which compel us to reign over the part of the universe which we presently inhabit, reigning through our creative powers to change that part of the existing potential of our universe to our species' advantage. When we summon that authority which has been given to us by our given nature as creative minds, we are inspired, and may be, thus, committed to do great things. This set of relations is typified in a general way by the fact that the continued existence of our species demands shifts in technology along a line of development traced, in succession, from the burning of wood, to the power of nuclear fission, thermonuclear fusion, and qualitatively higher energy-flux densities, beyond that. This line of development is not optional; it does increase man's power to exist, but, without it, we could not continue to exist either in a civilized form, or without suffering catastrophic shrinkages in potential relative population-density of our species as a whole.

We, humanity, have, now, reached the verge of the point at which commitment to the extra-terrestrial extension of the habitation of our species becomes mandatory. It is a challenge for which we could have become

prepared, even two or three decades ago; but, the influence of the upper ranks of that presently, still reigning social caste born since the aftermath of World War II, was pushing society backwards, in the opposite, neo-malthusian direction, especially the (actually) fascist "left" only typified by the fascist "Weatherman" bandits around Columbia University's Mark Rudd, and kindred expressions of existentialist fascism in Europe. Specifically, much of the body of ideas needed to begin that extension, already existed as knowledge in some phase of actual development by about the time of the Moon-landing.

Also, at that same time, in the late 1960s, the space-program as fostered by the dramatic initiatives of President John F. Kennedy, was advancing by proverbial leaps and bounds within the aspect of the national U.S. economy focused upon the space-program itself, despite the otherwise reigning moral and physical decay of the U.S.A., during the time following President Kennedy's assassination, during the reign of the will to do evil expressed by the Warren Commission. In that limited sector of our economy, by about the time of the Moon-landing, we were generating a fairly estimated ten cents' worth of growth through science-driven progress, for each penny spent. It was the other parts of the economy, not the aerospace venture, which were the already looming threat of failure, since about 1966-1968. Since that time of the Moon-landings, there have been no more such U.S. manned landings on that Moon, during four decades, up to the present day. Meanwhile, back on Earth, the decadence of our planet's culture under the influence of the existentialist "68ers," has carried us all to the present moment of a world teetering at the brink of Hell

Nonetheless, similarly, in France, Germany, and Italy, as also in the Soviet Union and the "East bloc" sector, up to the early period of the U.S. Reagan administration, there were still advanced technologies, such as "scramjet" technologies and related designs of related aerodynamics, as I had indicated in my 1988 campaign telecast, **The Woman on Mars**. That ended with the evil pact against Germany created by Britain's Margaret Thatcher, France's President Mitterrand, and America's perennial, not so very bright, British stooge, President George H.W. Bush.

Otherwise, the U.S. economy failed, first under the effects of the Kennedy assassinations of the 1960s, the utterly fraudulent launching of the protracted U.S. war in Indo-China, in 1964, and in the rising tide of "environmental" contraction of the U.S. economy's net investment in basic economic infrastructure during the 1966-1971 interval. Thus, since March 1, 1968, the U.S.A. itself has undergone more than four decades of self-inflicted, net rot and ruin, all this chiefly the result of trends in policy-shaping guided by each and every Federal government which was installed from 1969, on, as extended to the presently accelerated moral and economic mass-insanity of the presently utterly truth-free Obama administration and its Hitler- and also Tony Blair-copied (NICE) death-care policies.

The U.S. economy is not merely collapsing, at ever-accelerated rates currently; contrary to all of the stream of ritual lies from President Obama's inner, British imperialism-oriented, behaviorist circles, our only hope for the continued existence of the United States, is to terminate both all of the recent economic and related policies of the George W. Bush, Jr. and present Obama administration's policies thus far, and to put the U.S. economy through reorganization-in-bankruptcy to the purpose of converting the economy, immediately, from a part of a presently self-doomed, global monetary

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"The work of Academician V.I. Vernadsky, more than any other scientific figure up through his lifetime, presents an argument, premised on crucial scientific evidence, which implicitly defines mankind as the ruler of the system we inhabit, rather than as adapting to merely material circumstances which exist independently of our will, rather than as the legacies of the evil Olympian Zeus and Aristotle would demand such self-degradation of us, still."

system, to a U.S. constitutional form of fixed-exchange-rate credit-system, a system crafted in cooperation with both certain other leading nations and willing others.

This can only be achieved by any existing nation of this planet today, through an emergency agreement among the United States, Russia, China, India, and other willing-partner nations. With such a reform soon enacted, a general recovery of the planet as a whole can be mobilized, according to the precedents of such as Benjamin Franklin, Alexander Hamilton, Abraham Lincoln, and Franklin Roosevelt. Such actions would, if taken now, rescue the world from the present, immediate prospect of an immediate plunge into a global new dark age of all humanity. Any contrary inclination would turn out to have been a lurch into global genocide.

For such a recovery program, a commitment to the industrialization of our Moon and the ensuing colonization of Mars, are the indispensable choices for an already overdue general process of economic recovery for our planet as a whole, as President Franklin Roosevelt had intended, had he not been replaced by that ugly scoundrel Truman.

With that perspective in view, the principal parameters of the design for a general recovery can be defined, summarily, as follows.

The Spatial Outlines of Physical Economy

There are no fixed properties in our universe, despite some commonplace delusions among some of the so-called "property owners." Neither Earth, nor our Sun, enjoy the actual authority of permanent titles of ownership of property-titles within the present or future "real estate" within our universe. If humanity were to linger too long mired in greedy complacency on Earth, our Earth-bound human species might, one day, suddenly, be gone, an event which would be of no moral consequence for those children of Satan called "existentialists." That is not a "forecast;" it is a question for which the needed response must be discovered.

Therefore, if we actually desire to acquire a system which affords our species a secured future, we had better turn now, to define the principles of the practice of economy, by proceeding from conceptions which are a way of looking, backwards-in-time, from the future, to our present time for policy-shaping on Earth. We must now look, by looking from that standpoint in some nearby future decades, that future time when mankind has established an inhabited extension of its own future existence on the nearby planet Mars. Not that Mars were likely to be a good climate at the future time the Earth might go under; but, the colonization of Mars is an indispensable stepping-stone toward human life within our galaxy, and beyond.

Like the relevant aspect of the state of mind of Christopher Columbus of about A.D. 1480, some things about a future re-discovery of a continent on the other side of the Atlantic, were, looking back to then, already clear to us. What is clear includes the fact that making the discovery is necessary for mankind living both in and beyond Europe. Otherwise, as then, there is much to be discovered, and many plans, yet to be adjusted, explored.

That perspective for mankind today, is a concept which is no idle fantasy, but is the clear vision of the reality of a future time when men and women could traverse the distance between the orbits of Mars and Earth, within a journey, as if under an impulse of one-gravity acceleration/deceleration, of several days. At that, or any comparable speed, the later exploration of our galaxy is opened up for the future "Mayflower" colonists of mankind. Beyond that, there is much which remains to be, urgently, discovered.

In the meantime, we have entered a part of history, now, when what had been recently considered the limiting practice of policy-shaping for our economy, is doomed forever by its own, systemic quality of obsolescence. Such a tide of presently accumulated obsolescence of our U.S. economic policy, began with effects which began to unfold in the aftermath of the November 22, 1963 assassination of U.S. President John F. Kennedy. The significance of that assassination on history since that day, was first shown clearly, with the fraud employed to bring about that August 7, 1964, so-called "Gulf of Tonkin Resolution" which, in turn, began the U.S.'s self-ruinous engagement in the subsequent second, post-World War II, wasting war in Indo-China, and in the virtually coincident, subsequent, October 1964 installation of the first of the two evil British governments of Prime Minister Tony Blair's predecessor of similar bent, Harold Wilson. So, the United States began its long process of degeneration into its present economic condition, and, so, the shift of world power away from the United States, back to the securing of the renewed, dominant influence of the British monetary system's international political influence of the British Empire over the U.S.A., as this transpired under the

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The perspective for humanity today, is one in which men and women will explore our galaxy, to be opened up for the future "Mayflower" colonists of mankind. In this artist's representation, an ascent vehicle is taking off from the Martian surface, to deliver samples of rock and soil to be studied on Earth.

U.S. Nixon Administration, and the recent installation of the successive, virtually British puppet-Presidencies of the U.S.A. under Presidents George W. Bush, Jr., and Barack Obama, so, to the present day these words are being written here.

Now, as this present report was being completed, at the approaching onset of a globally fateful Autumn 2009, we had already entered a unique state of world affairs which has a certain resemblance in the economics domain to the hyperinflationary breakdown of the economy of Weimar Germany through its Spring-Autumn 1923 hyperinflationary collapse. Now, we have entered a comparable, but global hyperinflation of entire world's monetary system, to the accompaniment of a financial collapse of that same world system.

(See Figures 1-3, p. 12.)

The only way in which the present nations of the planet might be able choose to live on this planet, at this present time of an onrushing, global breakdown-crisis, depends upon the assumption that we, of the United States defined by its unique constitutional history, choose to change from our recent, richly perverted ways, by a sudden reform of the type which I have prescribed. Without that change, there is no presently calculable hope for avoiding a plunge of the entire planet into an early general breakdown-crisis of a type most recently experienced in Europe's Fourteenth-century "New Dark Age."

Therefore, we of the U.S.A. must now resume, full force, President John F. Kennedy's "hard" mission, as a starting-point for a genuine, durable, long-term recovery of the economy of the U. S.A., and, also, our planet.

The manner in which we might choose, successfully, to outlive a pending doom which has been brought to our planet's doors, a catastrophe brought upon all nations by, chiefly, the British imperial control of the world's essentially Keynesian monetary system, is one which, in many among its leading respects, will not appear to be much different from a prosperous version of life here, as we had assumed that case about the time of President Franklin Roosevelt's death. Money, and its use within the terms of the national sovereignties of the partners operating as national credit-systems, will persist for one or two generations or longer. That progress on Earth itself will be the context in which those traditional arrangements within which the essential changes will operate. What President John F. Kennedy proposed be the landing on the Moon, will be the keystone for launching the principal change which the sovereign nations of the planet will experience for about two generations, or more, yet to come. Nothing consistent with the idea of weird arrangements is to be expected for that future time-frame, by any sane adult living today.

In the meantime, presuming that we of the U.S., reverse the catastrophically ruinous, and even implicitly mass-murderous present policies of the current U.S.

Obama administration, during those coming generations, as under my proposed reforms, we can still not merely survive, and even recover economically, but will have the means available to bring forth the seed-forms of crucial changes in man's relationship to the nearby regions of the Solar System itself. These implicitly wonderful changes in the present prospects for all mankind, will have immediately beneficial effects which will be modest, but nonetheless terribly important during the short term, but whose long-term consequences for all mankind will be felt only gradually by each successive generation, that over the course of several successive generations, as we, first, develop an industrial capability on Earth's "Fifth Continent," the Moon, a capability which will be the indispensable prerequisite for undertaking any actual colonization of Mars.

The one great technological change must be immediate. It will be, first, the delivery of material which is shipped to the vicinity of Mars, and to the surface of that planet, from, chiefly, our Moon. This will be material which is fabricated, more and more, in the, largely "automated," "industrial workshops" of that Moon, as such a prospect was presented by the great rocket-scientist Krafft Ehricke.

On the Moon, the muscles of mankind are to be used, essentially, for maintaining the good repair of human bodies in a very much less than perfect environment for our living species. The idea of "health care" will assume characteristic features beyond the imagination of most notions of practice currently. The most crucial change will be a reflection of the feasibility of the development of vehicles which will come to carry human crews and passengers at, preferably, one-gravity rates of acceleration/deceleration, between Earth-orbit and Mars-orbit, flights powered by the development of thermonuclear fusion which employs the Moon's stock of Solar-radiation-deposited Helium-3 isotope, for use in such undertakings as human travel to Mars during a lapsed-time interval of as little as several days, from the Moon orbit, to what will become, during the interim, the development of the orbiting and landing of man-made artefacts, that a revolution in both the lunar orbiting of Mars will emerge through the role of products of descent from Mars-orbit to that planet's surface, and beneath.

It is in the decades of preparation for actually human travel between Moon-orbit and Mars-Moon-orbit, that the next great leap of man into space will be prepared. That preparation will, indeed, have increasing impact in promoting the increasingly exciting pleasures of experiencing the development of mankind here, back on Earth itself.

Amid this, the most singularly exciting development to be contemplated here and now, will be the relativistic effects on the passengers, of the approach to one-gravity-rates of acceleration/deceleration between, to and from the Solar orbits of Earth and Mars, that during lapsed times of thermonuclear-fusion powered travels, each way, measured, probably, and possibly, in as short a span as in a few days. This transition from Mach-2 speeds of flight, as by the preferred, more economical, "scramjet" technology, to flight via the medium of relativistic physical space-time, must be the case, if we do not wish crew and passengers to arrive in something approaching the hapless condition approaching that of "blobs," rather than, at the time of reaching their destinations, articulate living bodies suited for piloting return trips,

From the exterior viewpoint of this development of such accelerated travel, by that observer still on Earth, the role of speeds of relativistic travel sustained through acceleration, might not be so readily comprehended by a disinterested observer from the side-lines of such events. It is clear that we must take up, very seriously, the issue of the problematic effects of lowered gravity experienced on the Moon, Mars, or in inertial forms of in-space-flight. It is from the standpoint of the insider of that accelerated travel-experience, pointing to the role of Helium-3 isotope as a considered fuel, that the significance of such constantly accelerated rates becomes clearer, even from reflection on this experienced today. Suddenly, when the implications of what I have just stated here, sink in, at least a little bit, what confronts us in such reflections, is the notion of man's practice of physical science from *within* the geometry of Albert Einstein's Riemannian notion of relativistic physical space-time.

In broad terms, the notion of feasibility of emerging future action of this sort, is already understandable within the frameworks of our political and scientific culture. The problem is, to make the point gently, that the side-effects are not presently worked out to any relevant, known person's satisfaction. I emphasize, once again, that what we do know, as Christopher Columbus, similarly, by A.D. 1480, knew already, from his studies of Nicholas of Cusa's proposal, was that there was a continent on the westerly side of the Atlantic, and knew

the approximate distance, partly through his experience as a mariner in the Portuguese Atlantic service of that time, through the notes of Cardinal Nicholas of Cusa on the launching of such a project, and also the scientific advice given to Columbus by Cusa's surviving associates. The chief problem which Columbus faced, otherwise, was not the pains of the work of exploration, but the ruinous effects supplied, like a dagger thrust in the back of civilization as a whole, by the Grand Inquisitor Torquemada of imperial Habsburg Spain.

For such reasons, it was the combination of the colonization of Massachusetts, in a smaller, but crucial colonization of Plymouth, and the weightier venture of the Winthrops and Mathers, which has been so far the unique historical factor in steps toward the realization of the prospect of Cardinal Nicholas of Cusa. That role of Cusa has been of manifold, crucial importance in the achievement of what became our United States.

Manufactured products shipped, are not the principal problem of interplanetary travel. The principal problem to be solved is, essentially, the matter of the implications of the travel of human beings within a physical-relativistic medium of constantly powered flight. Implicitly, it is solvable; but, there is much work to be done to overcome the proverbial scientific and other "bugs" to be associated with the indispensably relativistic transport of human beings.

The combination of the psychological implications of relativistic interplanetary travel, on the one hand, and the economic implications of this, deserve some special attention, here, before returning to consider the new economic system to be established on Earth, as a process of development converging, more and more, on the effects of economically-relevant travel, in physical-relativistic modes, within the emerging shared economy of Earth and Mars.

An Economy With Relativistic Effects

At the arrival of that moment when the intended effects of relativistic flights between Earth and Mars-orbit, have sunk into the consciousness of people here on Earth, a great revolution in the existence of all mankind will have begun: admittedly, this will occur only if the leading nations of the world take the steps which I have prescribed for preventing an immediate, general physical, as much as monetary-financial breakdown, chain-reaction style, of the leading national economies of this planet. If we may presume the urgently needed, happier, revolutionary changes in the world's current financial-monetary policies, the fellow-positivist associate of David Hilbert, Hermann Minkowski, will appear to some as a hero, with certain qualifying considerations.[17] Otherwise, it will be those who stayed with Bernhard Riemann, Albert Einstein, and Academician Vernadsky, who will have been, actually, fully vindicated, as having provided the true foundations of a true modern science, at the time of such a development. It is this change in popular attitudes *(e.g., dynamics)*, more than any actual beginning of the colonization of a nearby planet, beyond our Moon, which will be "the revolution" to which I have just referred, here.

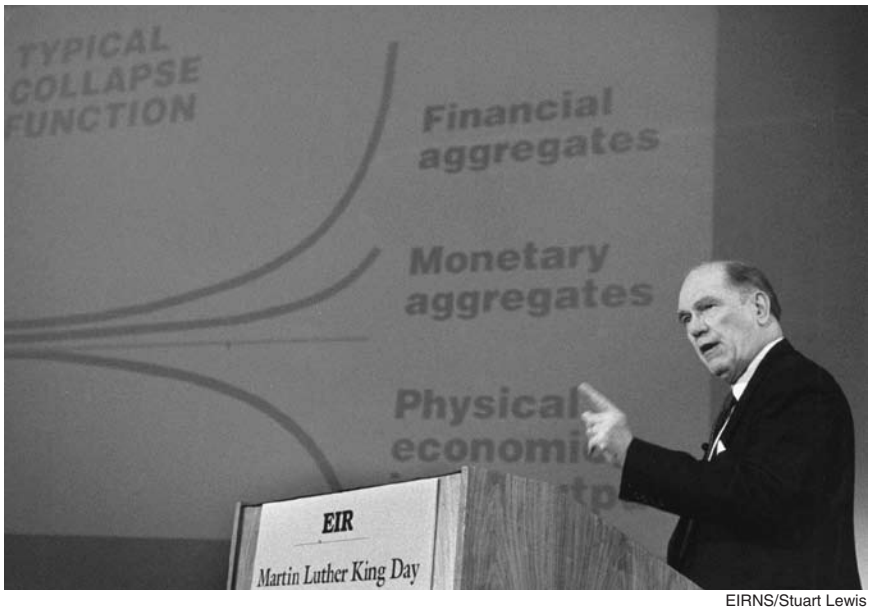
In the meanwhile, with the world economic breakdown-crisis presently already at full tilt, the terrible performance reflected by the habits found among most of the world's present economists, accountants, and the like, has, in fact, already been put on the record by the fact of their contemptible, failed forecasts respecting any actually important development. Most among them have been consistently incompetent, on the record, since no later than the time of my own first, professional, economic forecast, of the early 1957 U.S. recession, a forecast which I had made during the late Summer of 1956. The fault of the typical opponents of my approach over the decades since, lies in the underlying assumptions which most of them, to the present day, had absorbed from a blend of what became the popular superstitions and kindred academic doctrine since that inauguration of President Harry Truman which had enabled London's lackeys in Wall Street to introduce the post-FDR misdirection of the U.S. economy.

For the purposes of this report, now, consider the most notable such cases of my longer-term forecasting, following my rather uniquely successful short-term forecast of an approximately February-March 1957 "deepest recession of the post-war years." The highlights of that experience have been the following:

Consider the following, most significant, case in point. During late 1958 through 1961, I had warned that, if the current long-term trend *in U.S. Federal eco-*

17. It may be significant for readers with some relevant background in science, that there are some greater differences, than agreements, between the kind of already defective, essentially Euclidean, mechanistic world-outlook of the associates of Klein, Mach, Hilbert, and Minkowski, from the utterly depraved positivism which claims its own birth from Bertrand Russell's **Principia Mathematica**. Hence, what I have already referenced here as Hilbert's chucking Professor Norbert Wiener and John von Neumann out of Göttingen on grounds of their manifest utter incompetence in science.

nomic policies under the Keynesian policies of the Eisenhower Administration's viciously incompetent Professor Arthur Burns[18] were continued through the first half of the 1960s, there would be a series of crucial disturbances during the second half of the 1960s, leading toward a breakdown of the system which could be estimated as beginning between sometime near the end of that decade, and the beginning of the 1970s. By 1966-1971, every leading rival of mine among economists at that time, was relying on the assumption, voiced in virtual unison by them, that "the built-in stabilizers" would prevent such an event from occurring. My public challenge to leading universities' economists, was that they had all acted like "quackademics" in this matter at that time. My persistence in presenting this challenge, led to my debate with the leading Keynesian associated with the European "Congress for Cultural Freedom," Professor Abba Lerner, a close associate with the Professor Sidney Hook of the proudly evil Congress for Cultural Freedom (CCF). The debate occurred at Queens College, on December 2, 1971.



EIRNS/Stuart Lewis

On Jan. 15, 1996, LaRouche first presented his now famous "Triple Curve," depicting the nature of that trend whose effects resulted in the sudden deep recession which erupted during Spring 2000, and has continued until today's greatest economic-financial collapse in modern history.

The leading features of that debate are relevant for reporting here,

Professor Lerner lost the debate when he stated, that "if the German social-democrats had accepted the policies of" the Bank of England's agent "Hjalmar Schacht," who was also Hitler's backer and leading Nazi official of the 1930s, "Hitler would not have been necessary." As those words dropped from Abba Lerner's mouth, a dull, grey thud could be seen, from where I sat at the podium, spreading across the academic and other faces arrayed within the audience. Lerner, once cornered by me during that prolonged debate, had been smoked out, and had, thus, blurted out that confession of his own true nature, as a virtual child of that head of the Bank of England, and Hjalmar Schacht's controller, Montagu Norman, who had brought Hitler and Schacht to power in Nazi Germany. With those words dropped from Professor Lerner's lips, silence intervened, to conclude the day's proceedings, quietly, at that moment.

Decades later, in 1992, from the platform of my campaign for the Democratic Party's Presidential nomination at that time, I forecast an "economic-financial mudslide" as already ongoing. That was the "mudslide," which was already ongoing, at that time, which carried my avowed personal enemy, the then-U.S. President George H.W. Bush, out of the White House, in the 1992 election.

Four years later, in January 1996, I presented my now famous "Triple Curve," depicting the nature of that trend whose effects, as the sudden deep recession which erupted during Spring 2000, carried Presidential candidate Albert Gore to an essentially self-inflicted defeat that same year. Gore's petulant, childish behavior, contributed significantly to the international monetary-financial-economic crisis, already then ongoing, which was to become, later, the greatest, deflationary, 2007-2009, economic-financial collapse (and also, in scale, hyper-inflationary monetary surge) in modern history. That *deflation of the financial economy* came

18. Arthur Burns, whom Columbia University President Dwight Eisenhower acquired through their association at that University at that time, contributed more to wrecking the U.S. economy over three decades, including the creation of the career in economics of the Golem Milton Friedman, than any U.S. influential in that profession, prior to the rise of the influence of the right-wing fanatic, virtual British agent, and political step-mother of California Governor Arnold Schwarzenegger, George Shultz.

on under conditions of *a skyrocketing monetary hyperinflation of the fictitious economy*, exactly in the fashion against which my "Triple Curve" and its up-datings had forewarned, since the launching of my campaign for the Democratic Presidential nomination in January 1996.

Later in that process, in a July 25, 2007, international webcast, I warned, uniquely at that time, that the world was, at that moment, on the edge of something far worse than a "mere" economic depression: a general breakdown-crisis, a breakdown crisis which actually began three days later, and which has swept the entire world into a presently accelerating collapse of the world economy as a whole. The refusal by the U.S. Congress and Presidency, under both Presidents Bush and Obama, to acknowledge that reality, has carried the entire planet, so far, chain-reaction style, to the present, globally spreading general physical-economic breakdown.

Now, at the present moment this report is written, that process of an ongoing general breakdown-crisis, is now carrying the entire world economy near to the brink of a general, physical, chain-reaction form of physical breakdown-crisis of all of the nations of the planet, a fact which gives little to no presently visible hope for all humanity, under a continuation of the present policies of leading governments, during the immediate generations just ahead. Without a sweeping reform, effected through a shift out of the presently, hopelessly bankrupt world monetary system, to a U.S. Constitutional form of credit-system, the entire planet is now on the verge of a general, chain-reaction-like process of a general physical breakdown of every economy throughout the world, and plunge of the level of population, from the present level of about 6.7 billions persons, to a prospect of probably two billions, or less, over the one or two generations just ahead.[19]

There have been many contributing causes for the consistent incompetence of the recent forecasts of every government of the world presently, but the chief among those causes has been the general reliance on the sometimes mathematically complicated, but consistently wrong, and stupidly so, set of so-called statistical methods of monetarist forecasting employed. Every use of a statistical method of composition of a so-called "timeline," has been the principal source of that outpouring of an outrightly wasted previously existing wealth, this coming on as an expression of virtually suicidal stupidity among what appear, presently, to be most of the present governments of nearly every national economy of Europe (with special consideration for Italy as a quasi-exception), and most of the Americas, as also, of course, the traditional victims of modern British imperialism in Africa.

This prevalent incompetence of my putative professional rivals among economists and government officials, and the effect of their policy-shaping influences on nations from virtually every part of the world, has much to do with the fact that we have reached a phase of an actually 1968-2009 process of what is called "globalization,"[20] during which the effects of that virtual new "Tower of Babel" called "globalization," have, themselves, produced a global situation in which the immediate near-certainty of a looming Autumn 2009 general breakdown-crisis of the U.S. physical economy, would be virtually inevitable under any continuation,

19. The trend toward a so-called "environmentalist" trend authored by the late Bertrand Russell et al., as combined with the monstrously destructive effects of so-called "globalization," has allowed a depletion of the physical-capital resources of the planet, to such effect that at the same time that the world's population has increased to about 6.7 billions, the long-term "carrying capacity" has been willfully reduced, through suppression of what had been available progress to a sustainable improvement of a growing population of the world, to an "environmentalism"-driven lowering of the planet's economic potential toward the foreseeable potential of about two billions, or less. This depletion is entirely due to the effect of post-Franklin Roosevelt policies traced essentially to circles typified by the combination of the influences of the Bertrand Russell who had demanded the launching of "preventive nuclear warfare" against the Soviet Union in September 1946, and the pro-fascist authors of the World Wildlife Fund.

20. I have had personal knowledge through the most relevant British sources, respecting incidents at Heathrow and relevant other locations during the early months of 1974. I assessed the situation from the pattern of facts available to me, facts which were subsequently confirmed by very relevant, very trustworthy British intelligence sources a bit later. However, far more important, still today, is the role of Wilson in the systematic, 1967-1968 process of degrading the economy of the U.K. into a mass of post-industrial wreckage. Historically the most important part of Wilson's games then, was the orchestrated monetary crisis aimed at a vulnerable weakness in the U.S. dollar during 1967-1968. I have no inclination to conclude that Wilson had been a Soviet agent during relevant times; rather, through agreements reached through Khrushchev's representatives deployed to the channel of Bertrand Russell's World Parliamentarians for World Government, during the immediate post-Stalin years, the Soviet Union's case exhibited a number of prominent figures who, to my reasonable judgment, have been British agents. Who was a British defector, and who had "gone over" to become a channel of British convenience for Russian collaborators in high places there, has always been interesting *Kriegspiel*. As one very actively concerned with establishing useful U.S.A.-Soviet and U.S.A.-Russia relations, I have enjoyed an interesting "catbird seat" in watching Anglo-Russian spookery. The British, by all counts, are the dirtiest I have ever taken under consideration.

now, of the present policies of the present U.S. Obama Presidency. Such a U.S. failure of performance, would, also inevitably, set off a global chain-reaction collapse of intermeshed monetary-financial systems, which would bring down the economy of every national element of the world system into a physical breakdown-crisis in the manner of a global, chain-reaction effect. It would be a collapse for which no remedy, even a significant amelioration of the effect, would be possible within the axiomatic features of the present world monetary system, such as Joseph Stiglitz's reported proposal to turn the International Monetary Fund into what would be, in effect, the "bad bank" of the entire world, a suggestion, by him, which is symptomatic of all those foolish economists, even leading ones, who are seeking to introduce some reformed version of that Keynesian system which has, in fact, been the disease at the root of the presently onrushing, global, physical breakdown-crisis of the entire planet. This would be a crisis to hit with increasing brute force, as early as this now onrushing set of events to unfold during the presently oncoming Autumn and Winter seasons.

"Globalization" is better identified as the efforts, led by the post-1946 British empire, to destroy the sovereignty of every nation of the world, that by methods suggesting the erection of an imperial, global "Tower of Babel," which has been designed by such as the evil Tony Blair government of Britain, to destroy the sovereignty of every nation of the world. This is being carried out now through the practice of forcing each nation to give up its control over production of the great majority of what it consumes, to depend upon imports from other nations, through exports and imports conducted for the great middle-man, the reigning world government owned by a new world-government under a "globalization" monetarist version of the British Empire. The monetarist and financial "middle men" of the process of globalization, have been "eating the people" of what had been once sovereign nations, in this fashion. This makes every nation a captive of the international "middle man" of world government, the monetarist interests which control production, prices, and trade in this proposed "New Tower of Babel." The post-1968-1973 International Monetary Fund (IMF) has been turned into the vehicle through which this form of world dictatorship of the British empire has been brought to the presently disastrous state of world affairs in which economist Joseph Stiglitz is reported, as I have said just above, as proposing to turn the IMF into the imperial "bad bank" reigning over the entire planet.

For this onrushing world-wide breakdown-crisis, there is only one remedy:

Put the national financial-monetary systems of the nations of the world into a Glass-Steagall-modeled form of liquidation of the present world monetary systems, through emergency reorganization, to replace them, through reorganization-in-bankruptcy, by a global form of fixed-exchange-rate credit system, a system modeled on the role of Alexander Hamilton in creating what the U.S. Federal Constitution prescribes as a credit-system freed of the intrinsic evils of any form of the implicitly imperialist monetary systems. Since that would end the present imperialist tyranny of the financier class associated with the world's present monetary system, the financier bloodsuckers of the world *do not wish to consider* my proposed remedies, as a solution for the evils done by the special interests which are the worse-than-useless parasites such as themselves. We have witnessed the implicit criminality of such cases, such as under the former U.S. George W. Bush, Jr. administration, and that of his emotionally highly disturbed suck-sessor, and, for at least a moment, or so, British imperial asset, the President Barack Obama whose personal political reputation is now headed toward the sewer, or lower, unless some kindly persons join me in placing him under protective management inside, if needed, the well-padded interior of the Oval orifice.

The most urgently needed change from the present, Keynesian-like model of a monetary system, to a credit-system modeled on the relevant provisions of that U.S. Federal Constitution, rests upon that principle of the credit-system which has been the root and branch of the U.S. Federal Constitutional system, from the beginning. The intent of that Constitution has been, notably, betrayed by the implicitly treasonous establishment of the presently, virtually super-bankrupt, Federal Reserve system, that in favor of the British-directed, Keynesian form of the presently reigning, and utterly bankrupt, imperial world monetary system.[21] This launching of

21. Respecting my use of the term "treasonous" here, consider the exemplary cases of the U.S.A. civil war and the organically associated installation of the fascistic-in-fact, British-created, Habsburg tyranny in Mexico. This was, in fact, a British empire's war against the United States, in every meaning of the term "warfare." The difficulty experienced by some governments flows from their stubborn adherence to what are, in fact, certain delusions respecting the nature of the British empire. An empire, such as the present-day, monetarist form of global

White House/Pete Souza

President Barack Obama's personal political reputation "is now headed toward the sewer, or lower, unless some kindly persons join me in placing him under protective management." Obama is shown here, meeting in the Oval Office, with cowardly Congressional Democrats, Jan. 23, 2009.

the Federal Reserve System was effected through two Presidents of the United States, two truly, treasonously inclined biological and ideological sons of the British-created Confederate States of America, Theodore Roosevelt and that Ku Klux Klan fanatic, Woodrow Wilson, who relaunched the Klan on a grander scale than ever before, from the Presidential wing of what had been renamed "the White House," by Theodore Roosevelt, that nephew and protégé of his treasonous uncle and British agent James Bulloch.

At the present time, it can be suggested, if a bit cautiously, that the Federal Reserve system is apparently bankrupt. The only need for such a cautious qualification by me, is the fact that the habit of the U.S. government has become to treat the Fed as it were a part of the constitutional system of government, which, in the final analysis, it is not; however, there has been a series of U.S. Presidencies which has treated the Fed as if it were a constitutional institution, *in their practice*. Otherwise, were any President and Congress to treat the Federal Reserve Act, now, for what it really was, and actually is, we shall absorb it as a well-defined bankrupt under the custody of the U.S. Presidency, with the constitutional precaution of placing it under the care and management-in-bankruptcy of a Third National Bank of the United States. That arrangement will defend a salvaging process, which will aid the U.S. Congress and Presidency in the much-needed process of carrying away the relevant financial trash.

Actually, those among us who know the economic history of our United States, know that we never actually needed the existence of Wall Street, which, in any case, is now foredoomed to crash sometime after September 1, 2009, perhaps after the next close of the U.S. fiscal year, in October, or after some desperate, intrinsically fraudulent stalling-tactic which makes everything that much worse, a bit later.[22] If we are intelligent, as well as patri-

empire centered, politically, on London, is such that its method of warfare is that of deploying assets controlled by London, to conduct warfare without directly involving the British flag's own military forces in the affray. The witting patriots of a targetted nation, such as the U.S.A. must shape its policy of practice for that occasion on recognition that it is the British empire which has declared that warfare, using a denial, on our side, which complements the hoax expressed in the behavior of the United Kingdom as such. The technical term is "war conducted as surrogate warfare," as illustrated by the role of Prime Minister Tony Blair's lies in luring the U.S.A. into the trap of a new war against Iraq.

22. What became known as the Wall Street to which we have been accustomed to refer today, was the outcome of a losing battle between the traitorous agent of the British East India Company, Aaron Burr, versus the combination centered in the persons of Alexander Hamilton and Isaac Roosevelt, the latter the founder of the Hamiltonian tradition expression by Isaac's famous descendant, President Franklin D. Roosevelt. Burr was the personal asset of Jeremy Bentham, the agent of the British East India Company's Lord Shelburne who created the British Foreign Office as a Company instrument in 1782. Bentham ran the intelligence operations of the Foreign Office throughout the remainder of his own life. It was he who directed the foreign operations against our United States, and other targets, and who created his protégé, Lord Palmerston, virtually out of a substance less honorable than mud. A number of later U.S. Presidents were agents of Palmerston's Foreign Office, as John Quincy Adams and Abraham Lincoln knew very well during their own later years. It was a British agent, for example, who assassinated President Lincoln, and an asset of the British interest who was imported into the U.S.A. for the assassination of President William McKinley. That was an assassination of McKinley intended to bring the British asset, Theodore Roosevelt into the Presidency, for the purpose of shifting U.S. policy from opposition to Prince of Wales Edward Albert's scheme for what became known as "World War I," to the role of Theodore Roosevelt and Ku Klux Klan fanatic Woodrow Wilson the ally of the British empire, the Presidents who created the ungodly Federal Reserve system out of a substance less honorable than mud.

otic, the funeral services for those dead Fed assets which have been taken in since September 2007, will be treated, summarily, as parting courtesies performed, by Glass-Steagall standards, at some Wall Street gravesite under the dusk of eventide, the interment of a departed and popularly despised thief, in as respectful a manner as a greatly injured nation could tolerate for such an occasion.

We have already reached, and, in fact, passed the point at which a return to the patriotic perspectives of President Franklin Roosevelt is needed. "Return to FDR's policies" must be qualified. Roosevelt died on April 12, 1945; we are now approaching the close of 2009. The world has changed in many ways since 1945, and I speak here as one who has lived as a presently very active, and unusually well-informed adult, through all of this span.

It has changed much for the worse in the U.S.A., especially with the ugly specter of a President Nixon crooning hypocritically over the outcome of the famous Moon landing of the astronauts then. This change from Roosevelt and Kennedy to Nixon had been brought about, forcibly, and radically, since earlier beginnings of that decline, with the sudden inauguration of President Truman. With the passage of successive generations, good principles, such as those of the original U.S. Federal Constitution, persist, as the true history of the Franklin Roosevelt administration attests, but the conditions for their implementation are often changed.

The Moon landing, over which President Nixon presided, was an accomplishment which had been set into motion by the decision of that murdered President John F. Kennedy, who had been Nixon's bitter 1960 rival for the Presidency. The thought of Nixon watching evidence of the Moon landing, evoked an eerie shudder, at that time, from a citizen who cared about our nation's future—me.

So, with the passage of time, even over a span as brief, when viewed on an historical scale, as nearly sixty-four years since the death of the man we recall as "FDR," and, now sixty-four years since the totally unnecessary nuclear bombing of civilian targets in an already, in fact, defeated Japan,[23] and the disastrous effects on the United States of that Kennedy assassination which cleared the way for the momentous hoax of the "Gulf of Tonkin" resolution, forty-five years ago, I have experienced the crucial changes within the course of world history since April 12, 1945, mostly for the worse, but sometimes for the better. Between the death of Franklin Roosevelt and now, the Moon landing was among "the better."

Now, with ten nations which have already have announced, so far, their commitment to the development of the Moon as a launching-point into space exploration, the history of the always changing world has come to a point, at which the future destination of humanity on Earth now depends upon the launching of a process of high-priority development which establishes that "industrial" development, on the Moon, which is indispensable for the development of a comparable process on the planet Mars.

There is, obviously, a difference between simply saying, we must go to Mars, and actually getting there. "Getting there," if we actually mean to accomplish what we have stated that we intend to do, involves the challenge of *physically relativistic* modes of transport between Moon-orbit and Mars—*and return*. With the world now on the verge of a general, vastly genocidal collapse into a global new dark age, the situation here on Earth today, our present political-economic system has reached a point of moral and physical-economic decay, in which humanity is in danger of losing that remaining opportunity of Mars development, even forever.

Therefore, the moment of victory for the future of humanity confronts us now, in our choices between what we do, and what we do not efficiently commit ourselves, as a planet, to accomplish. That choice will be made now, or, possibly, not at all, made now in the midst of that presently onrushing, greatest existential crisis for humanity which is presently known to us, in our reflections of all presently known experience of previous history. Consider the most crucial among the relevant points of that history.

Real History, From the Top, Down

A competent science of economy starts with the history of concepts of principle, first, and proceeds from that primary standpoint, to comparing conceptual history with the quantitative relations associated with

23. Harry Truman had probably not known of the nuclear weaponry deployed against Hiroshima and Nagasaki on April 13, 1945, but Winston Churchill, Truman's later controller, did. The issue for Truman, and, most emphatically, for Churchill, was that General Douglas MacArthur must not be seen as carrying the flag of final victory in World War II. That, and the intention by Churchill to deliver a mortal, nuclear threat to Stalin, were the only credible motives for Truman's role in the Hiroshima and Nagasaki bombings.

those qualitative conceptions. In the field of the mathematics of economy, these institutions and relationships must be viewed in that categorical order.

Therefore, *in a real conception of economy, the primary relations considered, are, as I have crafted this present report, qualitative, not quantitative.* In the utterly incompetent, but, unfortunately, prevalent practice of economic policy-shaping of our republic, today, it is the quantitative measurements made in terms of measurement of the purely fictional, and dangerously misleading conceptions of categories of economic functions, which have predominated, and which, therefore, have been chiefly responsible for the mess which most leading nations of the world have made of the policy-shaping of the world economy today.

Essentially, the root of this problem is, that the reigning social classes among the existing cultures in what is actually known as history, rather than as mere chronicles of events, have treated the generality of a population essentially as a form of cattle, herded and culled, as under the proposed "death-care" policies of Adolf Hitler, Britain's Tony Blair, and the current, stubbornly held proposed policies of U.S. President Obama, policies, for the satisfaction of what British monetarist doctrine defines as its preferred reigning body of authority in society, world-wide.

Thus, the preferred categories heretofore used for the practice of economics, or otherwise, heretofore, have no desirable sort of direct bearing on the long-wave rates of increase of the potential relative population-density of a culture, or among human cultures. National cultures proceed like madmen banging their heads against the walls, in lurching from one half-baked system to yet another, in a ricocheting succession of what had been one usually lame-brained variation on expressions of an essentially global monetarist system, miraculously avoiding the simple fact that *it is the idea of a monetarist system which has been the chief cause of the pin-ball-game likeness of many among the tragic aspects of known world history* since the ancient Peloponnesian War.

The point which I have just made is no exaggeration. *None of my putative rivals in putatively professional economic forecasting since the time of my relatively short-term forecast of the relatively deep 1957 U.S. recession, has even made a single, competent forecast of a generalized crisis in the economies of the Americas or Europe.*

There have been some good proposals with the effect of being a certain kind of forecasts, as best typified by the patterns of policy-shaping associated with President Charles de Gaulle in France and Konrad Adenauer in Germany, or President Kennedy's forecast of a manned Moon Landing; but, the actual "pathogen" responsible for serious economic crises in Trans-Atlantic cultures, has never been expressed in any relevant forecast which might have been a known rival to my own, throughout the entire 1956-2009 interval to date. Put aside some interesting thoughts among some circles in Italy today, and all currently leading views of economy, from the Atlantic Ocean to the Carpathians, remain today a proven existential disaster for civilization at large.

Reforms in economic policies which have been made since the death of President Roosevelt, in the U.S.A. and Europe, most notably, have not been competent, but more in the semblance of changing an infant's diapers, which treats an unpleasant effect without changing the source of the recurring problem.

Think of yourself as having rights limited to those converging upon the upper and lower limits of those afforded to a cow, as by President Obama's Dr. Ezekiel Emanuel and related behaviorists, and you begin to recognize how the City of London, or Wall Street under the proposed health-care and general economic policy of Tony Blair or the Obama Presidency, in its manifest practice, actually regards you as their chosen target for a culling of the human herd, a policy-outlook which was supplied to Hitler Germany from the provinces of the British monarchy and the Montagu Norman of Hjalmar Schacht's time, an intention which categorically, if not in each detail, is a carbon-copy of the policy of "euthanasia" launched by Adolf Hitler in September-October 1939. That is to point, and that most emphatically, to a policy of genocide which had been conceived, earlier, by the then, still, pro-Nazi British monarchy which had brought Hitler and his regime to power in Germany with the assistance of the grandfather of U.S. President George W. Bush, Jr. You have seen this same pattern reenacted, in the United States, for example, in the behavior of the Federal government and its associated leadership of the U.S. Congress, since the close of August 2007, as by those depraved figures cast in the likenesses of the Senator Chris Dodd and the Representative Barney Frank, who have brought down upon themselves the richly expressed pure, but still controlled hatred shown by representatives of the majority of the citizenry of the United States, during the month of August 2009, and, now, beyond.

The gentlemen and ladies which turn, repeatedly, to such varieties of periodic cullings of the human herd, are usually regarded, of course, as being highly respectable, if only among such as themselves and those lackeys sharing the propensity for kissing their esteemed masters' butts, whose habitual such notions of "respectability" obscure their vision of the future consequences of such behavior.

So, the majority of the citizens of our United States have awakened lately to express, loudly, their break from any willingness to consider the current President and his cronies in health-care and related policies, as being the kind of human beings with which they wish to be willingly associated. So, most present members of the U.S. Congress are viewed currently in a similar, and related way. Any member of the U.S. Congress who wishes to remain a member of that Congress, or be simply regarded as an honorable person, will now seek to prove that he or she has nothing in common with what have been, to present date, the present health-care and economic policies of the Obama administration, or with those members of the Congress who are in the following of such creatures as the notorious Speaker of the House, the most dispensable Representative Nancy Pelosi for whom no political face-lift now seems feasible.

Until these most unpleasant developments since August 2007, and the worse behavior of the Administration of President Barack Obama since his health-care and economic teams were installed, the traditional presumption of good faith among the majority of our citizenry was the assumption, that as Scotland's bard Robert Burns once put the point, "for all that," the Congress as a body had been seen as dedicated to a satisfactory outcome for the benefit of the general welfare of citizens as human beings distinct from animals, that assumed to be the case whatever blunders, and misbehavior the body of the Congress might condone, as from time to time. That changed, suddenly, as the U.S. Congress went into its August recess.

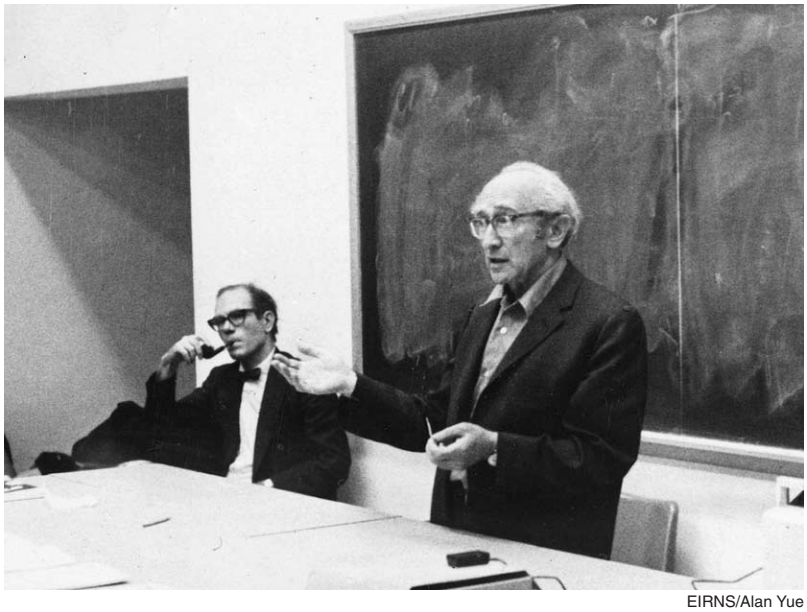
On The Method of the "Triple Curve"

The intent to introduce what has become widely known among leading economists as my "Triple Curve," was prompted by my participation in a 1995 Vatican conference on health-care policies. I sketched out the principles of this pedagogical device in a memorandum given to the relevant institution, at the conclusion of that event, but did not present it publicly, otherwise, as I have already noted above, until my presentation of it as the thematic feature of my formal announcement of the launching of my 1996 campaign for the Democratic Party's Presidential nomination.

I defined that pedagogical device in terms of three principal parameters: *the monetary process*; *the financial process*; and, *the process of the physical economy measured per capita and per square kilometer*. The emphasis of this pedagogical design was placed on the matter of relative directions of changes in relationships among these three subjects. As was emphasized by an updated version of this pedagogical illustration, presented in the August 1, 2009 LaRouchePAC (LPAC) webcast, where the relatively recent development in the economy is portrayed as the fact of a post-September 2007, qualitative, shift in the direction of these three elements, between a continued, and actually accelerating rate of skyrocketing of a hyperinflationary *monetary* expansion, relatively, first of all, to an accelerating collapse of the *financial* level, and, secondly, *an accelerating collapse of the physical and related output of employment of and productive output of the labor-force*. These three directions in economy, not only in the U.S. economy, but world-wide, suffice to define the existence of a presently ongoing general breakdown-crisis, one which is collapsing in every part of the world economy, if at somewhat differing local rates in each and all sections of the world economy. This has been in accelerating progress since July-September 2007, while nothing of any palpable effectiveness has been done, in the known case of any government, or supranational institution of the world, to stop it.

Obviously, not only has neither the U.S. government, nor any government of western and central Europe, nor the nations of Central and South America, taken even the meanest palpable steps, to do anything about this combined hyperinflationary-deflationary, breakdown-crisis, but each and all have refused even to admit that this greatest hyper-inflationary breakdown-crisis in all known world history even exists, a breakdown-crisis of which I am widely known to have circulated repeated, consistent, and widely circulated forecasts, in the form of systematic, empirically detailed, published warnings of the worsening of a global trend in this direction, over four decades; although my repeated warnings have been circulated more or less world-wide, among leading economists of the world, that since my celebrated defeat of Professor Abba Lerner in the featured, New York City debate of December 2, 1971.

In assessing this case, we are impelled, and rightly so, to compare this present, world-wide crisis, with the hyperinflationary crisis imposed willfully upon post-World War I Germany, by the British Empire and its culpable allies, at Versailles. Yet, in making this comparison, we also preface this treatment with emphasis on the fact, that this pattern of monetary hyperinflation and physical-economic collapse, has been shown, most clearly, to have become a clear count-down toward global doom, since the monstrous mis-conduct, jointly, by Prime Minister Margaret Thatcher, French President François Mitterrand, and U.S. President George H.W. Bush, in the matter of Germany's reunification.



EIRNS/Alan Yue

LaRouche's celebrated defeat of Prof. Abba Lerner (right), in the Dec. 2, 1971 Queens College debate, so alarmed the "powers that be," that, despite LaRouche's repeated, consistent economic forecasts of the past 40 years, no government on the planet has taken even the smallest steps to prevent today's tragic outcome.

The 1923 breakdown-crisis in Germany, was, principally, an exceptional product of the British and French determination to destroy any further resistance to the British empire's reign over continental Europe. What the so-called Versailles powers brought upon 1923 Germany corresponds, in essential, lawfully systemic economic features of its dynamic "design," to what is being done by the effects of "post-Westphalian globalization" on the entirety of the planet now. With the imposition of the Euro on western and central Europe, and since the lunacy of the U.S. President George W. Bush, Jr., what has faced us, as presently, is not only the fully lawful process of a destruction of the nations of all of the world's mankind right now, but, now, a wildly insane refusal to admit the problem exists, in a time when the entire world's present monetary system is already disintegrating before the eyes of all nation's governments.

My relevant opponents, including those in highly placed positions of government, are now about as flagrantly wrong as any misguided government in known world history had ever become! So, in such a fashion, have great empires been wiped from the map in times past.

Fortunately, for the people of these nations, there are remedies for this onrushing threat of an already onrushing, total, world-wide collapse, even at this late time. The crucial issue, now, is posed by the simple question to the leading political forces among nations: "Do relevant leading nations of the world have the good sense, to adopt the reforms which I set before them, finally, now, at about two minutes before their common doom?" If, not, then anything resembling civilization, is about to depart this planet for a rather long time to come.

If the nations of Europe have shown no signs of willingness to recognize the actual present situation, perhaps on grounds of sovereign claims of impotence, the question may be otherwise stated for the case of the U.S. government: Is President Obama ready to accept the public proposal I have proffered to him for the rescue of his shattered administration, or, will his stubborn resistance to that reform, condemn the people of the nations of this planet, to a prolonged new dark age, during which it were likely that the present level of world population would collapse rapidly, through famine and epidemic, from a presently estimatable 6.7 billions, to two, or less?

At this time of a deepening and accelerating onset of a world-wide, chain-reaction-style, breakdown-crisis of the entire system, the lawful outbreak of a mass-strike by the majority of the U.S. electorate, against both the Obama Presidency and also the U.S. Congress, represents a mass-strike comparable to that which brought down the tough, stubborn regime of the DDR and also the Soviet Union, too. This is a breakdown-process, already at full tilt, which, if allowed to continue, without needed reversals of the current policies of most nations

of the world, would strike all of the nations of the world, beginning with the global chain-reaction effects of a sudden, steep devaluation of that mass of U.S. dollar-denominated debt, on which the existence of every part of the world depends for its stability today.

Admittedly, I am not popular with many leading circles in the world, who are, perhaps, offended that I exhibit so little respect for their current policy-shaping. For reasons which should be obvious, I am rather proud of that curious achievement, since what they show themselves as believing is that terribly wrong opinion which is symptomatically, the sign of the doom of those clinging desperately to lost dreams of past glories that never really existed in any durable way. This world is our world as the creation of the U.S. Federal Constitution set forth the needed principles of government in the world, if, as has been said by one of our greatest leaders, Benjamin Franklin, if we of the United States itself, "can keep it."

What is required, respecting the view of these matters from the vantage-point of the "Triple Curve," is the recognition that, as I have stated, repeatedly, in this report thus far, the most crucial of the needed changes from the terribly failed present world policy, centers on the sweeping elimination of the existence of monetary systems from any large region of this planet. The good side of the present crisis, is the fact that the world's monetary system is hopelessly doomed during the onrushing future. The issue posed by that fact of the present global situation, is whether or not nations are prepared to adopt the essentially elementary changes required to launch a general recovery of both our United States and the world at large from the presently looming greatest cultural disaster in all of the known political and social history of mankind.

The only way in which the existing nations of the world can be prevented from falling, jointly, at this moment, into a prolonged, chain-reaction form of "new dark age" throughout the planet, is to uproot, hopefully forever, all traces of what is intrinsically an imperialist system, otherwise known as a monetary system, from among the leading nations of the world. Cancel all dubious monetary debts; use the Franklin Roosevelt precedent of the Glass-Steagall standard for reorganization of a financial system in bankruptcy, as the entire world is bankrupt presently, and establish a fixed-exchange-rate, anti-Keynesian system of the type which President Franklin Roosevelt had intended, had his death not brought the U.S. Presidency into the paws of a Winston Churchill admirer, and pro-Keynesian President Harry S Truman.

If any nation wishes to survive, words are not sufficient. They must act to prove that they are qualified to survive, by ridding this planet, now, of the intrinsically imperialist evil of intrinsically predatory monetary systems.

This brings us, considering what has been presented by me in this report up to this point, to the technical crux of the entire matter as it is presented to the world as a whole today.

Science: The Most Crucial Issue of Them All

To set the stage, so to speak, for the topic which will now command our attention, between now and the epilogue of the report as a whole:

As I have emphasized repeatedly in this report, by late July 2007, the world as a whole had already entered the state of a general bankruptcy of the economic systems of the planet as a whole. I had announced the imminence of this critical change in my July 25, 2007 international webcast.

It came three days later, when an already creaking financial dam broke. The world system as a whole had been spun into the beginning of a general bankruptcy which has been spreading, as a chain-reaction-style collapse throughout the planet, since that time.

True, the U.S. dollar had no longer controlled the policy of the world, since the British interest took over, increasingly, since the early 1970s. However, as the present case of China merely illustrates the point, it is still the U.S. dollar-denominated credit which supplies, either directly, or indirectly, the greatest single margin of the international financing of the leading edge of the world's economy as a whole, a margin on which all nations depend; so, the dollar still reigns in one way through its use, but only in the manner of that slave upon which his slothful (British imperial) master depends for doing whatever must be done. We are, thus, momentarily, ostensibly trapped in the process of going over from a long post-1968 down-slide of the once-mighty U.S. dollar, into its presently onrushing systemic collapse, which could happen at almost any time this Autumn, unless we act now, to prevent this, and which would set off an almost immediate, global chain-reaction of collapse, which would be sufficient as a detonator, to shut down, suddenly, virtually every other nation of what is already a terribly crisis-wracked world

financial system as a whole.

As I have also emphasized repeatedly since a time as early as the beginning of September 2007, my initially projected proposal for emergency reform through reorganization in lawful bankruptcy, was expressed in the design for my proposed, immediate U.S. Federal action in the form of what I had named a **Homeowners and Bank Protection Act of 2007** (HBPA). This proposed legislation, which quickly gained widespread electoral support throughout the U.S.A., was, unfortunately, prevented from being installed, by leading actions launched, initially, through two members of the U.S. Congress, Senator Chris Dodd (Conn.) and U.S. Representative Barney Frank (Mass.). In their part in the wrecking of the U.S. economy, that pair proceeded, with the backing for such ruinous policies by the Speaker of the U.S. House of Representatives Nancy Pelosi (Calif.).

At the time I presented the notion of the Homeowners and Bank Protection Act (HBPA), in my webcast address of July 25, 2007, the return of the U.S. Federal government to application of the standard defined by the Glass-Steagall Act (under U.S. President Franklin D. Roosevelt), would have been sufficient to enable my proposal to prevent foreclosures of homeowners, thus averting the effects of a social crisis, and, also, to keep essential, regularly chartered U.S. banks functioning, even if some of them would require support in this role through a process of reorganization in bankruptcy.

That was still a hoped-for prospect at the time of the inauguration of a newly elected U.S. President, Barack Obama, in January 2009. However, that changed abruptly, at time of the newly sworn new President's visit with the British Queen in London. It was now clear, especially with the evil Tony Blair lurking in the background, that the Federal government of the U.S.A. was not really in American hands at that time.[24]

Thereafter, it was soon shown that the new President was not what he had generally pretended to be, or been perceived as being, as during the time between his election and inauguration. He showed himself to be, in effect, a British agent close to the evil, former British Prime Minister Tony Blair; and, it was also evident that President Obama had adopted a British health-care policy of Blair's "National Institute for Health and Clinical Excellence" (NICE), one which incorporated all among the essentials of the infamous September-October 1939 Adolf Hitler program of killing "lives deemed not worthy to be lived." This evidence defined the urgent need for my April 11, 2009 international webcast, in which I presented a new outlook on our republic's current strategic situation.

Under the kind of economic policy which accompanied President Obama's promotion of a copy of the Adolf Hitler-copied, 1939 program for health care, combined with a tens of trillions of dollars "bail out" of those banks which should have been put, legally, through reorganization in bankruptcy according to a revived Glass-Steagall standard, there was no prospect for what would have been, otherwise, accomplished merely through the success of a relatively simple reorganization in bankruptcy of the type expressed by my Homeowners and Bank Protection Act of 2007. That reform would have worked, in itself; but, there was an additional development which must be addressed.

I presented the most crucial evidence of this new situation during an April 11, 2009 international webcast. In that webcast, I identified, point by point, the essential facts concerning the menacing combination of a President suffering the kind of "Narcissus complex" typified for historians by the case of the Roman Emperor Nero, exposing, then, the murderous intention of the set of those among those of the President's British-style "behaviorist" advisors who were committed to support a health-care policy copied from the 1939 Adolf Hitler-style program for health-care.

The political problem represented by the Hitler-copied program repeatedly proposed by President Obama featuring Obama's health-care program since that time, is juxtaposed with another major problem, the vast bail-out which the Democratic Party had backed, as its continuation of the great swindle of looting the U.S. nation for the benefit of banks, which had taken the banking system outside the President Franklin Roosevelt, Glass-Steagall standards for regular banking, a change from Glass-Steagall which allowed the mixing of the operations of major commercial banks which had been formerly operating by Glass-Steagall standards of credibility, with the highly corrupt, financial-derivatives-polluted trash uttered, most notably, by the Wall Street and London financial-speculators' community.

In light of that fact, the entire world financial community, especially North America and Europe, had to be considered as now hopelessly rotten to the core financially. With its skyrocketing, already hyper-inflationary mass of worthless speculative paper, there is no possi-

24. Lying Tony Blair now a Christian? Might we expect rats, mice, and cockroaches will be tithing next?

bility, now, of preventing any part of a world financial system which has significant ties to the North American and European financial-monetary systems, from falling into a breakdown form of chain-reaction collapse throughout the planet. Almost at the very moment that the U.S.A. itself becomes officially a victim of not merely a general state of bankruptcy of the individual member-states of the U.S.A., there would be a general, chain-reaction mode of breakdown of the society of the entire planet, a breakdown brought about through a plunge of the planet, chain-reaction style, into a greater catastrophe, this time on a global scale, than the Fourteenth-century "new dark age," which wiped out approximately one third of the population of Europe.

The crucial point to be made, is shown most efficiently by the pedagogical model of an updated version of my Triple-Curve pedagogy. Since July-August 2007, while the physical output of the economy has continued to fall at an accelerated rate, *an onrushing financial depression in financial output*, as presently in progress, has been contrasted with the actuality of *a soaring hyper-inflationary rate of monetary inflation*, thus creating *a simultaneous hyper-inflationary/deflationary stress in the ratio of monetary to financial aggregate, that at the same time that physical output of the economy is declining still now, at an accelerating rate*. These are, precisely, the appropriate symptoms of an onrushing collapse of the entire economy of the planet, for as long as the present system of practice is continued. Only an immediate general reorganization in bankruptcy, could save civilization from this now impending, accelerating rate of global breakdown-crisis.

It is necessary to eliminate the monetary factor through bankruptcy-reorganization conducted by government, while pouring in long-term Federal credit for funding a recovery into urgently needed forms of basic economic infrastructure, especially physical infrastructure, and increased productive employment through Franklin Roosevelt-style pouring of that Federal credit into investment in essential forms of basic economic infrastructure and industries associated with the building and uses of that infrastructure.

A Global Challenge

There is a specific remedy now absolutely required for this type of breakdown-crisis. The key to that remedy is the reinstatement, by the U.S.A., of the Glass-Steagall standard; otherwise the outcome will be a form of chaos from which no recovery of the nation were to be presumed at this time.

By restoring that standard, for the case of the U.S.A., and through aid of coordinated agreements with Russia, China, and India, among other cooperating nations, it were feasible to perform the virtually instantaneous "miracle" of debriding all financial claims which do not meet the equivalent of Glass-Steagall standards, and, thus, virtually ending the existence of the presently hopelessly bankrupt monetary system, as that would be accomplished through a process of constitutionally defined, U.S. Constitutional reorganization of national accounts, as conducted in a process of bankruptcy-reorganization.

As soon as continental western and central Europe break from the British imperial "Euro" system, those nations, too, would be enabled to join that reorganization of the world system with the U.S.A., Russia, China, India, and others, in a change from a monetary system, to a world-wide network of respectively sovereign, national credit-systems constituted as a global, fixed-exchange-rate credit system based on the uniquely successful model of the prohibition against monetarism in the U.S. Federal Constitution. The result of that combination of developments would be a system, issuing new national credit-loans over a mean term of a half-century (and wiping the vast mass of "bad," monetarist debt from the books), for rapidly rebuilding the world economy through, chiefly, initially, major ventures in construction of urgently needed basic economic, public infrastructure among cooperating nations, freed from the evils of globalization, to return to the practice of being once more truly sovereign nation-state republics.

For those who know the U.S.A.'s and related history in such matters, as I do, there is no reasonable objection, on moral principle, to such a reform. The difficulties of comprehension, especially in Europe and among other nations trapped in the post-February 1763 legacy of British global imperial monetarism, are chiefly products of the ignorance which has been promoted even in the ranks of the presumably educated sections of the population, rather than a fault in the stated proposals themselves. It is those difficulties on which I have concentrated here, in the remainder of my principal remarks here, today. The key to the needed change from a hopelessly ruined monetary system, to the global array of a fixed-exchange rate set of credit systems, is, as I shall indicate here, a matter of science, not mere opinion, especially in light of the peculiar character of the

global crisis which confronts the largely mis-educated world as a whole today.

This brings us to a crucial issue, which is not entirely a new issue in the history of civilized society, but is an extremely urgent, immediate issue, today. The remedy for this crisis, is to be underscored in the most relevant way, by considering the present opportunities for launching the kind of program of fundamental scientific progress, which would lead our planet, over the course of coming decades, through certain, urgently needed, great reforms in principles of the world's economy as a whole. These are reforms which represent the development of the already foreseeable capability of using the emerging capability for *specifically relativistic* movements in interplanetary travel, technologies whose implementation is coming into reach now.

I shall refer to that in an appropriate way in my conclusion to the present chapter of this report.

However, before getting to the heart of the matter of science in this business, it is essential that we, first, clear away several, unfortunately, deeply embedded, wrongful notions about monetary systems.

European Monetary Systems

The hitherto poorly understood root of the issue posed by the presently onrushing general economic-breakdown-crisis of the planet as whole, is the continuing effect on this planet generally, today, of the emergence of a millennial-long, actually imperialist system of monetarist hegemony within the maritime cultures and their offshoots of a "western" monetary system. These have been a long-ranging development which had emerged in the interval between the effects of the defeat of the long-standing, ancient West Asian empires' efforts to grab control of the eastern Mediterranean maritime region, and the subsequent conclusion of that transitional phase of world history which occurred with the successive victories and, then, death of Alexander the Great.[25]

Within the historical setting of those times, the Peloponnesian War had divided what we call today that ancient Greek civilization which had been united in victory over the Achaemenid imperial power. This internecine warfare among those Greeks, defined what became the division of maritime-centered power in the Mediterranean region, a division among the Eastern maritime regions, Egypt, and Rome, a division which continued until the defeat of Antony and Cleopatra by the alliance of Octavian and the priesthood of the Asiatic cult of Mithra. This division of the Mediterranean system was resolved, in a manner of speaking, by the negotiations between Julius Caesar's heir, Octavian (Caesar Augustus) with the priesthood of the cult of Mithra, through those negotiations conducted on the Isle of Capri which consolidated these three regions of Asia, Africa, and Italy, in a single Roman Empire.

From that point on, all principal forms of European cultures, despite the fact that empires and dynasties have changed in many secondary or tertiary ways, the colonial or semi-colonial subjects of what has become the form of the reigning imperial monetary system of today, have been under a continuing form of imperial rule known as a millennial-long-ranging succession of monetary systems, from that ancient time, to the present day.

The Mediterranean (later, European) form of monetary systems, had deep roots in Asia, as illustrated by the case of the monetarist activities operating out of the center of the cult of Delphi, which continued to exert a very significant role in European imperial systems, as over imperial Rome, through the lifetime of that notorious liar and high priest of Delphi, Plutarch. Indeed, it was from such circles, that the three regions of monetarist maritime interest, Athens, Corinth, and Syracuse, suffered notable ruin in being played against one another by traditionally Asia-related interests associated with Tyre, and beyond, through and beyond the time of the Peloponnesian War.

That development had been an experience with the same practice of divide-and-reign which was to be employed in modern times by the British East India Company interests in their orchestrating the "Seven Years War," and by the British, again, in ruining the U.S.A. through luring foolish Presidents and Congresses, into wars which wasted the U.S.A. to the advantage of the British empire, as in Indo-China of the late 1960s and early 1970s, or, more recently, Blair's lies which led into the trap in Iraq. Such was done by then British Prime Minister Tony Blair's role as a global liar and unspeakable scoundrel, in orchestrating the long, wasting U.S. Iraq war under the foolish President George W. Bush, Jr.

That same, seemingly eternally odious Mr. Blair has played a role in leading the foolish U.S. into the British

25. This had been prefigured by the Seventh Century B.C. maritime alliance of Egypt, the Etruscans, and Ionian maritime culture against the maritime power of the Phoenicians of Tyre and its colony Carthage.

Matthew Ehret

Britain's "eternally odious" Tony Blair has now led the "recklessly oppportunist quasi-Nero" President Obama into the Afghanistan trap.

Afghanistan trap, under the recklessly opportunist quasi-Nero, which has been our President Barack Obama. The British imperial practice has become the permanent ulcer of the wars run, not by those pathetic dupes known as Jews or Arabs, but by the British who control them both as mere puppets of a game like fox-and-hounds, top-down, in the Sykes-Picot regional cockpit called the Middle East. It is the British empire still today, which plays Jews and Arabs like puppets on strings, in killing one another, like puppets, for amusements presented on a British Foreign Office's bloody geo-theatrical stage. They play the game like gladiators trained and assigned to kill and be killed in the imperial Roman arena. The gladiators do this to defend themselves against the other victims of the British imperialists who orchestrate those games. If and when Jews and Arabs face that truth, the British reign over that region will cease, for lack of players foolish enough to continue to play that perpetual, gladiatorial game.

To make our crucial point about modern monetarism clear, a bit of background must be summarized.

The relevant point to be emphasized, for the purposes of the unifying subject of this present report, is that these developments are to be read, in retrospect, as the root of the subject immediately before us today, the origins of a form of imperialist culture rooted in that essentially monetarist type of maritime cultures, then centered in the Mediterranean, as opposed to the monetarist form of the imperialist cultures typical of inland Asia since the decadence of that colony of the Indian Ocean's specifically maritime (cuneiform) culture which had been planted as the "hydraulic culture" of cuneiform Sumer in southern Mesopotamia.

To understand the world in its entirety today, we must understand that all leading European culture, as extended as a maritime culture and its offshoots, has been a distinctly European culture since that late phase of the most recent entry into a post-glacial period, until the present day, an unfolding process which has had the essential internal characteristics of behavior and belief as a specifically monetarist form of culture. The most important development in the history of that culture, so defined, has been the development of the United States of America, as, predominantly, a European culture which was created to escape the crippling effects of the still deeply rooted oligarchical tradition in the nations of Europe themselves. Excepting for the corruption still pouring into North America from, chiefly, the British oligarchical tradition itself, we have succeeded very poorly, but, circumstances considered, remarkably well.

That fact, points to the crux of the character of the currently onrushing, present, global physical-economic breakdown-crisis of the present time. That crisis has been, chiefly, the fruit of the continuation of monetary systems rooted in mercantile forms of money-interests rooted, in turn, in a global monetarist system composed of private trade and usury accounts, an imperial system, still centered in London, as the opponent of credit-systems based on the physical wealth-creating powers of any actually sovereign nation.

British Imperialism's Wars

So, throughout the entire period since about the time of the Peloponnesian War of B.C. 431-404, first, Mediterranean, and, later, European cultures have been dominated by Mediterranean types of monetary imperialist systems. This includes the Roman Empire, Byzantium,

the post-A.D. 1000 Venetian-centered system of feudal forms of monetary power, through the Fourteenth-century New Dark Age, and the rise of Venetian monetarist power which was the hand behind the Fall of Constantinople, and the same hand in the launching of the religious warfare in the Europe of the 1492-1648 interval. It was the same Venetian monetarist power, the proverbially Venetian blinding effects, which ran the conversion of the foolish and brutish Henry VIII of England into a piece of diseased rubbish, a creature from the effects of whose assigned role Europe generally has not fully recovered to the present day.

So, with the rise of the power of the Paolo Sarpi who controlled England's James I, and who crafted the preparations for the launching of the Thirty Years War of 1618-1648, the center of Venetian control of Europe through a combination of Sarpi's Liberalism and Venetian financier power, had been shifted to the Netherlands and England by the time of the installation of King George I. It was the orchestration of the "Seven Years War" of 1754-1763, a war orchestrated by the same British East India Company which led it from the latter time onward, that the British Empire was established. It was established, initially, as the empire of an Anglo-Dutch private company, under the direction of Lord Shelburne; and, it was that Shelburne who established the British Foreign Office as a tool of that Company in 1782 until the middle of the following century. The method of "Seven Years" wars has been the trade-style in the art of warfare of the British empire, from 1754 to the present day, including two World Wars, the U.S.-Soviet conflict, and virtually every other staged regional war, such as Iraq, Afghanistan, the Arab-Israeli blood-letting, or threatened major war on this planet, through the recent U.S. Iraq War, the internationally orchestrated effects of Israel-Arab conflicts, and the battle in Afghanistan now.

All empires in globally extended European history have always operated like that, through strategies based on a conception of explicitly monetarist interest, from the Peloponnesian War to the present day in Afghanistan. That was the conflict between Corinth and Athens at the center of the first general phase of the Peloponnesian War, and in the second phase, against Syracuse. This was the practice of Byzantium in its orchestration of wars against Charlemagne. This was the practice of the Venetians, who had superseded Byzantium at that time, in launching the Normans, who had been created by Byzantium, against Charlemagne and his successors, together with diversionary forces from Norway, in the Norman conquest of England, thus accomplishing the first step in establishing Venice, which had been a Mediterranean power, into the foundations of also becoming an Atlantic power through the process of splitting Henry VIII's England from formerly peaceful English relations with Spain and France, and thus continuing the religious warfare of 1492-1648 throughout Europe.

In all of the most significant military and related conflict situations orchestrated by that Empire, to the present moment in Afghanistan, such has been the situation from which we must now free mankind.

The Anti-U.S.A., European Concept of Empire

Some very foolish nations and ignorant people have not written off what they once misconceived to be an American Empire. The European concept of Empire, as distinct from some Asian varieties, has always been a monetarist conception. It has been, essentially, a system of monetarist interests, united under what is either known as an emperor, as in the Habsburg or British system, or as in the form of an emperor under another name. In such a system of law, the Emperor is the only agency which is authorized by what is infamously named international law, to make actual laws superseding any notion of reasonable principle. This is why virtually no nation of Europe has a principled constitution comparable to that of the U.S.A. This was the notion of imperial law which was the issue of theological strife between the Emperor Constantine and the Christians, a conflict over the matter of the concept of Christianity pitted against the inherently Roman-paganist imperial Pantheon.

Under such oligarchical law, the Emperor himself is the kind of anti-constitutional "unitary" authority (e.g., dictator) which was mimicked by Vice-President Dick Cheney in Cheney's use of his puppet, President George W. Bush, Jr., and also of Speaker of a certain kind of House, Nancy Pelosi, the same unitary principle which President Obama has continued as this is expressed in the matter of his own present adoption-in-fact of former Vice-President Cheney's unconstitutional, and plausibly criminal, even treasonous, Guantanamo heritage.

Mere kings, Presidents, or the like, by contrast, have administrative authority in law, but not the essentially pantheistic form of religious "unitary" authority of an emperor, as such imperial presumptions had been wrongfully codified as "international law" under European imperial traditions of law since no later than an-

cient Rome.

It is to be stressed, once more, that the business of Europe, usually, has been managing the military and economic power in such a way, that the imperial power, or a likeness of imperialism, has been expressed by such means as the notion of "unitary" authority, which has been unlawfully adopted under Presidents George W. Bush, Jr. and Obama, as in the Guantanamo case. As in those cases of dictatorial "unitary" tyranny (for tyranny it is, under historically traditional law), it is, as in the cases of George W. Bush, Jr.'s and Obama's governments to present date, the international monetarist interest which reigns over, and against both the general population and even the military power, as including such relatively recent European cases as Mussolini and Hitler, up to the present moment. This is not novel, since it is nothing other than a continuation of the European monetarist tradition of imperial law over the past 2,500 years, and longer, in Mediterranean tradition, as since Tyre and its offshoot Carthage during the Seventh Century B.C., and later.

So, as my experience tells me, the poor, misguided suckers who often lead the principal institutions of the U.S.A., work in the interest of the British Empire today, as when their foolish, or worse predecessors joined on the side of the British in World War I, or in the Indo-China War of 1964-1975, or two Iraq wars, or the present war in Afghanistan, or worrying about the Arab-Israeli and other strife on imperial Britain's Middle East Sykes-Picot stage.

Look at those pathetic official fools in Washington who, after the follies of Vietnam and Middle East wars, would attempt to teach us strategy lately! At the present moment, that entire issue is, in a manner of speaking, "McChrystal clear."

For example: U.S. Government leadership in taking constitutionally appropriate, truthful action, in the present, global monetary-financial breakdown-crisis, on its own initiative, would have forced all sane governments of the world to, first, have taken comparable emergency actions, and, in this way, brought forth the establishment of a relatively hegemonic credit-rather-than-monetarist system, an international, fixed-exchange-rate credit system. This would be a system consistent with the anti-monetarist principle at the foundation of the U.S. Federal Constitution, a system of credit based on the conceptions of the first U.S. Treasury Secretary Alexander Hamilton's intention to form what we would term today the *anti-Keynesian* intention of President Franklin D. Roosevelt, prior to his death on April 12, 1945.

The world now has no other sane choice available, but to adopt this reform which I have present, or, else, give up hope of civilization anywhere, during many decades still to come. It must be done, even to avoid the ultimate vanishing, forever, of some presently existing nations and cultures. Sometimes, the Creator presents mankind, as now, with choices which no power of mankind could willfully resist. I am not dictating these choices; I am merely reporting them, not, perhaps as a Biblical Isaiah, but simply as my being, on the current record of repeated competence in forecasting, the most competent economist currently available for such duties as this I propose here: a relative advantage which many among my political and academic rivals have already demonstrated, by exhibiting either their ignorance, or simple pig-headedness.

One way or another, before the smoke has cleared on what is now coming down upon all nations, we shall have either adopted the reforms I have prescribed, or, at the best, most among those nations shall, in all likelihood, have simply disappeared from the map, that result occurring during some presently early part of that great dark age they will have brought upon themselves, as they have done by their reluctance to make the urgently needed change which I have already proposed here.

All of the worst among the truly existential crises of human cultures have come upon an errant people and their leaders when, as it appears to some among us, that the Creator's patience with the stupid people over several generations, has gone beyond the limits of tolerance, as in a time when the most cataclysmic kind of judgment as before a supernal throne, has struck with punishment against the stubbornly errant likeness of such as most among the governments of Europe, and certain other places, today. Such a time of awesome judgment looms before all that mankind which appear to be gathered on trial, as the accused, before the throne of Heaven in the great global crisis ongoing just now. There are scant few leading circles in the world who are not, each, culpable before that throne, in one fashion or another, whether by intent, wanton negligence, or merely simple indifference to those issues which determine the fate of nations, or even all mankind.

The judgment of guilt to be put upon errant culture in such cases as the present world situation, is in no way the work to be assigned to the judgment of some customarily capricious court. The failure to follow those pathways of progress on which the implicitly embedded

mission of mankind depends, as the U.S. Declaration of Independence and Preamble of our Federal Constitution define that high principle of law, is already, in and of itself, a crime against humanity in general, and therefore, implicitly, against the Creator, too, and will, therefore, likely, come to enjoy its rewards accordingly.

For example: there is no recourse in the form of right to democratic appeal in such matters as that, such as the peddling of the use of so-called "recreational substances," all on behalf of a devilishly degraded sophistry in use of the term "freedom," by the accomplices of the evil George Soros whom Hitler's regime had trained, drugs whose effect, in use by oneself, or by others, impairs the fulfilment of obligations to the continuity and progress of the condition of mankind. If you frustrate the defense of progress, such as scientific progress, in the condition of mankind, in any part of the world, you are committing a categorical form of crime against the purpose of the existence of mankind everywhere. Suicide, or similarly destructive behavior, by whim, or by cessation of "a life deemed unworthy to be lived," is also a crime against all mankind.

If you deny that reasoning, you are personally disgusting, and that ends the debate. Then, you are as guilty as any murderous sort of drunken driver, who appeals after the fact "But, I did not intend that that should have happened!—it was an accident!" The prudent judge's reply to such an appeal, might well be, "Are you suggesting that could not have happened, unless your existence had happened? On whom, therefore, should we pass judgment, here, today?" We must all be positively accountable; reckless negligence, or simply moral indifference in respect to matter of principle, might prove to be, after all, an essential form of crime.

What Leibniz identified, as stated in our U.S. Declaration of Independence, as "the pursuit of happiness" is the constitutional principle of all civilized nations, just as the Preamble of the U.S. Federal Constitution, is, contrary to all unreconstructed Confederates of the British cause, the truly governing, primary law set forth in our Federal Constitution.

Monetarism, for example, is a systemic form of crime against humanity. The fact that monetarism has prevailed for so long, does not justify it as being conventional, or traditional; rather, such evidence indicates that the criminality of the effects of monetarism is a propensity for evil which has remained a deeply inbred appetite for the legendary stuff of filthy lucre in the character of the habitué.

What, then, is the nature of the alternative to that ancient evil practiced as monetarism? Herein lies the essential point respecting what I have named "The Triple Curve."

Eradicating Monetarism

It should have been obvious to any persons not "brainwashed" into accepting monetarist practices as, perhaps, "traditional," that there is no causal, or comparable sort of functional relationship of the sort which the professionally competent laboratory associates with discovery of universal physical principles of science, between the notion of price and a functional definition of physical economic value.

Price in a monetary system, for example, as the British "behaviorists" such as a Locke, an Adam Smith, and a Jeremy Bentham presume, is associated either with what the buyer is willing to pay, or fears not to pay. The observed behavior of such wretches as those three and their likeness, tends, as the cases of Enron, or as the form of reckless, usually thieving "financial derivatives," illustrate, predominantly, to the propensity for evil: "I have a right to get money; if you are not smart enough, and crooked enough to beat me at that game, it is just your fault! So, I stole your family's pension from General Motors; what about it? You lost because you were too dumb to pay attention to the fact that I am an outright crook;" so, you backed the members of Congress who went along with that swindle because they had reacted to a matter of what they saw as their own personal or kindred advantage, saying, in effect, "It was all your fault for not also being a smart thief, with thoroughly honest kinds of frankly felonious characteristics. Be like some of the friends of George Soros or Felix Rohatyn, or, like me,who listens to a Soros or Rohatyn on how to take a good profit out of a bad bank."

A physical science consistent with the modern notions of the interactions of Lithosphere, Biosphere, and Noösphere, demands a completely different notion of economy: the true benefit of all mankind and its descendants. That is the exact same standard which must be re-established, if our United States is to survive that general physical-breakdown-crisis of our nation which is in full tilt right now.

Put most simply, the intention of the competent and honest physical-economic, as distinct from a monetary policy of a nation, is to effect the net increase of the productive powers of labor for the entire population of one's own nation, and also that of other parts of mankind. The

Such wretches as the British "behaviorists" Adam Smith, Jeremy Bentham (shown as an auto-icon, i. e., stuffed), and John Locke, are the monetarist forebears of today's financial predators, such as Enron, or those thieving financial derivatives, which illustrate the same propensity for evil.

simplest rule-of-thumb for explaining that standard of performance, is physical: a continuing, science-driven, increase of the productive powers of labor, one sufficient to overtake the depletion of the relatively richest concentration of natural resources, that at the same time that we are increasing the level of relative energy-flux density of the sources of power used for both production and the maintenance and improvement of the physical and cultural conditions of life of a growing population.

This brings us to the matter of a science of physical economy, the science which is the only available remedy for that presently wretched condition of our planet, a condition which has been produced by the prolonged hegemony of that monetarist principle over our planet which must be brought finally to an end within the span of the days and weeks immediately ahead today.

Two Crucial Issues of Reform

There is no hope, at this time, for an escape from a planet-wide new dark age of humanity on this planet, unless two successive general reforms are introduced.

The first, is to eradicate, suddenly, as by action in reorganization in bankruptcy of a belief in monetarism and its practices, the continued existence of monetarist systems on this planet.

The second is to develop an operating system of long-term economic values which correspond to the requirements of a new, scientific system of pricing, as needed to replace those irrational standards which have been characteristic of all known monetarist systems, such as the systems associated with the morally corrupt, and scientifically evil teachings of the British empiricists such as John Locke, and the associates of that British East India Company's Haileybury College which served as a center for the activities and teachings of Adam Smith, the British Foreign Office's Jeremy Bentham, and for the training of the duped Karl Marx whom the British Foreign Office of Bentham's protégé and successor Lord Palmerston had placed for training and other uses at the British Museum.

On the matter of the first of those two steps:

Reality runs contrary to the popular academic, and other merely anecdotal chronicles on the matter. Truth runs contrary to today's, unfortunately, rarely competent treatment of the subject of the explicit foundations for the explicit, American System of political-economy. Ours is a system which has been the only clear alternative to the monetarist practice of the British imperial system still today, a system whose foundations were lain in the Massachusetts Bay Colony's introduction of scrip *as a credit system* of the internal economy of the colony itself, during the pre-1688-89 interval. The case of the Saugus Iron Works attests to the effect of this. This was revived as a perspective by Benjamin Frank-

lin's 1729 proposal for a paper currency,[26] and was developed in a working root-form as the American System of political-economy by Alexander Hamilton as the central feature of economic policy of the U.S. Federal Constitution.

On the matter of the second step, consider the matter of the distinction of the arbitrary relative values set by the controlling influence of financial capital over trade and banking:

No actually scientifically valid system of valuation has been supplied by the way in which notions of price and value, respectively, are defined in the history of modern commerce in the world, up to this present date. To the extent that useful pragmatic standards for valuation have existed, these have come into play chiefly through a prudent approach to approximations of relative price by some governments at certain periods of the relevant nation's life and relationships among principal trading partners. The tendency of some nations, and their partners, to employ so-called "protectionist" measures for domestic administration and treaty-oriented relations of trade, has provided a relevant form of approximation of better practice; but, otherwise, there has been no actually systemic kind of determination of what might be considered true relative values.

The challenge to be faced on the latter account, is to be recognized as a reflection of the combined effects of the rising capital-intensity of competitive forms of production of goods, and the skyrocketing ratio of the necessary part of public capital investment, as considered relative to so-called private investment. This is to be seen most conspicuously in the two-fold increase in the ratio of investment in basic economic infrastructure, per capita, for the national and world economies as wholes, relative to the relatively local investment in extraction, agriculture, and manufactures.

As the required "life-span" and "relative intensity" of the investment required, per capita, for the private sector increases, at the same time, the technological progress required even to provide a "steady state" of standard of living for the citizen, drives up the relative importance and relative expenditure required for inevitably public investment in science-driven technological progress in publicly supplied basic economic infrastructure. This is complicated by the inseparable matter of fact, that the quality of life and educational development of all of the individuals in society, must rise, if only to provide a quality of population required for such an urgently needed course of developments in society generally.

The problem this second set of considerations might be expected to imply to the ordinary citizen, is that the conditioning of popular opinion today, is oriented chiefly toward the assumption of a predominantly fixed standard of economic performance, in which the factor of progress may, or may not be considered desirable by much of public opinion, such that the doom built into technological and cultural backwardness, or even relative stagnation would doom society to something akin to the presently onrushing global breakdown-crisis of the entire planet which has been brought about by precisely the anti-technological, anti-production-oriented trends in the post-Franklin Roosevelt world at large today, especially the more depraved, anti-scientific-progress cultural trends associated with the rise to power of the "Baby Boomer" generation today, and with the warnings expressed against such trends by Aeschylus' **Prometheus Bound**.

This brings us to the most crucial scientific point of this report.

The Economic Meaning of Physical Time

To attack the root of the fallacies of those beliefs which have passed for education in economics, in most relevant places, so far: in the passage of what we call *time*, we are best served, by coupling the problematic features of customary, with an incompetent idea of physical, time. I address this by aid of reference to this issue as it is central to the failures of all customarily taught beliefs concerning economics, and with respect to the timeliness of the prospect of physically relativistic modes of continuously powered flight, as by the relevant use of Helium-3 isotope taken up from the Moon, between Earth's Moon and the orbit of Mars, a journey which passes as a prospect of lapsed-time of days. I define that unmanned mission as prelude to a later actual testing, at what experimental evidence shows to be an appropriately later time, after such unmanned flights, in a lapse of time in the order of something approximating a constant rate of acceleration-deceleration of one gravity, and, probably, then, later, the prospect of a similar lapsed time for a manned flight.

There are numerous problems to be solved in approaching such an essentially valid prospect either of that, or a similar type. Whatever those problems may

26. **A Modest Inquiry Into the Nature and Necessity of Paper Currency** (1729).

prove to be, and they are being seriously considered without recklessness, the significance of this information for Earth-bound citizens today, is the fact that we see ourselves, or those to come after us, as being, in fact, at the verge of relativistic space-travel within the relatively nearby bounds of our Solar System. This signifies that we are at the verge of a fundamental, physically relativistic change in the quality of mankind's practical, physical relationship among the parts of this galaxy which are within our reach either now, or within little more, at best guess, assuming reasonable conditions, than a relatively few generations ahead.

There are two principal considerations, directly bearing on this matter of travel to nearby bodies within our space, which bear directly, and immediately, upon current thinking about economy on Earth today, which have the most immediate practical sort of importance for understanding those principles of a science of physical economy which are needed to guide the successful recovery of humanity from the presently onrushing economic catastrophe of our planet as a whole. Essentially, we have touched now, through the by-products of principally the German, U.S., and Soviet (e.g., Russian) developments in technologies of exploration of nearby space, which have led, most recently, to an aggregation of ten nations presently committed, so far, to continue, or to begin the exploration of the nearby parts of our Solar system from operational bases crafted on our Moon.

When U.S. President Kennedy announced that the U.S. was going to the Moon, "not because it is easy, but because it is hard," he touched, with that choice of simple language, on a very important, very complex, but also feasible mission for the future of mankind. The implications of affirming that point of view, again, now, are vast and profound in terms of the benefits which we risk to lose if we do not resume President Kennedy's initiative for the purpose of putting man's active influence on the development and destiny of the nearest likely choice of nearby planet, Mars. The immediate benefit on which it is most useful to focus in this location, is the implications of this space-oriented development for the transformation, away from the manner in which most putatively educated people think about the practical meaning of what most people still think is the meaning of the simple word, "time." This is, as President Kennedy said, "hard."

Now, here, I shall take up certain of those specific kinds of implications, especially on the concept of *physical time, rather than clock time*, insofar as they bear on the relatively nearby future of a mankind still largely confined to living on Earth, or, perhaps, more or less brief habitation for "industrial" or comparable purposes, among largely "automated" industries, largely controlled from Earth, on the Moon.[27]

That much said, in respect to that undertaking, I have two tasks immediately before me, here, respecting the bearing of these relevant matters to which I have made reference here. The first of these, is the relatively most obvious challenge from the standpoint of Earth-bound economy, *the technical issue of the proper, necessarily revised meaning of the concept of "physical time," rather than a naive notion of mere "clock time," in respect to defining competent economic investments on Earth here and now*. The second, is the implications for design of the direction of the policy-making to be conducted, for the next generation or more, here on Earth itself, of the idea of the role of *the concept of physical time, rather than simple clock time*, respecting technologies which are largely, but not exclusively specific to the manned and related exploration of nearby space beyond our Earth's atmosphere and local gravitation and magnetic fields experienced.

I proceed, at this point, with a correction of the commonplace, but, speaking in terms of ontology, scientifically absurd, monetarist notion of a statistical "time-line" customarily employed for chronically failed attempts of most of our contemporary, putative economists in the matter of economic forecasting. I shall return to the space-science implications after this aspect has been presented.

A Lesson From the Used-Car Market

As I came to recognize, a little more than a half-century ago, the most elementary error of method in attempts at economic forecasting have been the scientifically fatal blunder of methods of attempted forecasting associated with applying data, which depend upon a more or less explicitly Cartesian statistical method of applying selected data to a so-called "time-line." My first serious test of my systematically principled criti-

27. As we take human beings away from the customary gravitational and magnetic fields of life on the surface of our Earth, there are problems of health to be solved. Implicitly, they can be solved by adjustments in an intermediate environment between that normal for mankind, and the "outside environment" from which the human beings are shielded by artificial environments; but, as of the present moment, those problems must be acknowledged, and attacked until the solutions are defined.

cism on this account, was my professional study of patterns associated with marketing of automobiles under the umbrella-conditions shaped by monetarist Arthur Burns' influence on the U.S. national-economic policies of the Eisenhower years. My first notable success in forecasting recessions and depressions came, chiefly, as a result of my studies of the marketing policies common to the principal automobile manufacturing enterprises, and the evidence I gathered so which was shown to coincide with similar patterns in the role of credit in marketing of categories of household and similar "capital goods" during the course of the pre-February 1957 "Eisenhower years."

EIRNS/Stuart Lewis

Today's exotic financial instruments have their origin in the 1950s practices in the financing of automobile sales, as studied by LaRouche during the Eisenhower years.

This study involved such relevant, included considerations as what I regarded as a proven element in intended fraud in the crafting of the dealership agreements which leading automobile manufacturers had imposed upon the dealers. In short, in the instance of a new-car sale which involved a customer trade-in, the manufacturer's agreement required that the new-car sale be listed, in accounts, as a sale at the fixed "ticketed" price for that new car; whereas, the discounts which the new-car dealer had actually negotiated with the customer were added to the attributed value, on the dealer's books, for the used-car trade-in. "I will give you a discount on this new car," meant that the value of the used car taken in trade for the dealer's used-car lot, required the dealer, implicitly, to attempt to sell that used car at a present "inventory value" way above the existing market price for a comparable make, model, and condition of repair, on the general, used-car market.

As a by-product of the same marketing policies imposed on new-car dealerships, as the life of the loan repayments reached the thirty-sixth month (the limit for that part of the 1950s), by 1956, the new car dealer would write up the thirty-sixth monthly payment due as a "balloon note," an arrangement crafted on the presumption that by the time the thirty-sixth-payment came due, the retail customer would have assumed that the thirty-sixth, "balloon note" amount would vanish, in the melee of the next, twenty-four-month round of trade-ins. Thus, it was elementary for me, in the Summer of 1956, to foresee the consequence of that combination of new-car dealers' jammed up used-car lots and that parallel accumulation of "balloon notes" left as the residue of earlier years' new-car purchases on credit.

The fact that the same pattern to be seen in retail automobile marketing, also prevailed in other relevant categories, made it very clear to me, that about the time the first quarter of 1957 arrived, there would be the virtually biggest recession since the immediate beginning of the post-war market. It happened exactly that way. Obviously, statistical methods of "time-line" forecasting had nothing to do with much of anything, in this case. The cause lay entirely in the combination of the policies typified by Arthur Burns, and the induced mentalities of buyer and seller, all within the boundaries of existing patterns of consumer net buying-power.

The stubbornness of the prolongation of the effects of the deep 1957 recession, intersected another factor, the competitive stock-piling of professionals and division executives by expansion-oriented, Wall Street oriented corporations, in their anticipation of an upward-and-forever-onward expansion of the white-collar paradises growing and spreading in suburbia. As the 1957 recession continued, executives and others at pre-1957 salaries began to be dumped on the Manhattan and other streets, seeking salaries ranging to about one-quarter of the standard for them in 1956.

My study of those and related medium-term factors

in the U.S. economy during the relevant 1954-1960 interval, and beyond, were as if the proverbial "tip of the iceberg," which did not yet touch the hard core of the longer-term capital problem features of the general problem in the U.S. economy at that time, or later.

Despite the relative boundaries of the problem as I viewed it in 1956-1957, the matter of the credit-practices typified by the behavior of the automobile industry, pointed to a more crucial problem, to a much deeper-going problem which had been set into motion through the role of the U.S. Truman Administration, in cutting back on the accumulated productive potential of the war-time defense industry, rather than, as Franklin Roosevelt had intended, the urgency of the conversion of what the Truman era treated as "war surplus" into a part of the margin for expansion of the internal agro-industrial economy of the post-war U.S.A., by aid of the leveraging of another portion of that capacity for eliminating British and related imperialism through what had been the imperial territories controlled by European colonial powers, the territories which the Truman policies consigned, in a large degree, to the European imperialist, chiefly Anglo-Dutch, powers.

To restate that matter in relevant terms for our purposes here, the productivity of the world's nations and their population, depends chiefly on science-driven technological progress and increasing capital-intensity, per capita and per square kilometer of territory. This requires a relevant high rate of conversion of unskilled and semi-skilled productivity of the labor-force, and of increased capital-intensity, and effective rises in the mean level of energy-flux-density available and applied. In effect, thus, Churchill and Truman employed the occasion of President Roosevelt's death, to turn back the clock of progress of mankind, to the effect of scientific technological regression of such a large part of the households, that the trend in economy was already being turned backward, from the technological level of productivity which had been establishing as the economic correlative of the physical-economic potential unleashed on behalf of the war-effort. Thus, after the death of the President John F. Kennedy, who had taken steps to reverse precisely that trend toward economic backwardness per-capita, as in his fight with the Wall Street steel interests and the launching of the project for reaching the Moon, the post-war U.S. economy had reached a zero level in the nation's basic economic infrastructure by about 1966, and the potential of that economy, and those of most of Europe and most of the Americas, has been in a general, long wave of contraction and collapse ever since, to the present day.

This means, in particular, that everything nice said about the U.S. economy, and Europe's too, since the death of President John F. Kennedy, is utter nonsense, and sham.

The role of long wars, especially those in Asia, has had a highly significant role in this dismal trend.

As we should recognize from the case of the World War II economy, and its post-war experience, especially when we see the effects of waste produced by prolonged wars in the world's developing sectors, long wars have been a chief instrument of the British empire, not only in accelerating the ruin of the economy and morals of the United States in particular, but in the use of warfare of that sort to create the delusion of economic progress in the nation at war, while the actual effect of the nominal incomes from war-making is actually both negative, economically, in and of itself, and in contrast to the NASA space-program launched in an accelerated way by President Kennedy's initiative. The British use the fomenting of such folly by the U.S.A. and others as a way of ruining the U.S.A. and others, exactly as the British East India Company triumphed through the Anglo-Dutch orchestration of the original "Seven Years War."

The way a swindle like the Vietnam War, or the recent wars in Iraq and Afghanistan is staged, is located in the inflationary features of that sort of "Third World" long-warfare.

The British financier oligarchy, which is the chief culprit in such swindles, does not care about the effects on its own nation's interests, as the NICE waves of euthanasia of British subjects by Tony Blair's health-care policies indicate. The typical members of the British population in general are, for them, merely dispensable economic cannon-fodder. The British Empire's interest has never lodged within the people of the United Kingdom, nor any of the colonies, but in that British Empire itself, which is a matter of global interest of a class of an imperial, a global monetarist class, not the actual welfare of any nation. The British empire is not a reflection of the national interest of the inhabitants of the United Kingdom, but, rather, of an imperial monetarist oligarchy, for whom heads of government are as disposable as sheets of toilet paper: once used, they are to be destroyed as waste-matter of the proceedings.

It really helps to make things clearer, if you will only try to understand the true name of the game in which you, too, are being played.

That said, it is time to consider, in this case, the meaning of physical time in real economy.

The Physics of Time

Now we come to a most crucial point in these proceedings so far: economy as embodied in physical space-time.

The usual incompetence of professionals in the field of economic forecasting, is to be traced essentially to the attacks on Gottfried Leibniz and his work by those followers of Abbé Antonio S. Conti and Voltaire to whom I have referred here earlier. Recall my emphasis on the shadowy character of the sense-perceptions of the true believer in sense-certainty, as opposed to the view of the shadowy meter-readings as seen by the Type "B" mind. In short, to remind the reader of this, the reality of the experience as regarded by the Type "B" mind, is located in what Leibniz had identified as the *ontologically infinitesimal.* That infinitesimal is the actual expression of the reality of the experience, whereas the meter-reading is actually the shadow of the ontologically real experience.

Ontologically, the infinitesimal is, as Leibniz emphasizes, the expression of the process of the "becoming" as bounded within a process which is essentially *dynamic*, as Leibniz and Bernhard Riemann define *dynamic*.

Now, apply that to the relationship between an action and the context, such as a capitalized form of physical potential, as being the type of space-time expression of the relationship between a capital investment and the application of that investment at a certain point in the lifetime of the finite value of that investment.

The relationship between the potential and its variable expressions over a lapse of time, when defined in those terms of reference, is resolved as the replacement of the function of time by relative space-time. This leads to such interesting considerations as the relativistic effects associated with acceleration and deceleration in space-time seen as an expression of potential; in our case in this discussion for economics, the generation, consumption, and effects of that potential. Here, I limit my emphasis to the domain of a science of physical economy, while conceding the broader implications to be taken into account by others, as Bernhard Riemann might have cautioned me, others whose special talents are located in a different quality of relevant other skills.

However, that description of the relationship which I have thus just given, is only an approximation, but an approximation which serves us here as a way of introducing a more general notion of an efficient physical principle's function in the domain of physical economy: the approximate ontological distinction of a process in physical space-time, as distinct from an action at a particular point in a linear "time-line." Thus, we depart the domain of mere things as if occurring at some point on linear time, for the reality of physical processes in physical space-time. The essential physical-economic correlation is an action within physical space-time, not linear clock-time. The expression so described is one of potential, physical-space-time potential. The potential, so defined, and appropriately measured, are the essential relations in the physical space-time of a real-life physical economy.

Clearly, the venture into accelerated trajectories in physical space-time confronts us, respecting future relations in which all we might have taken for granted within the confines of our home planet are called into question for re-examination when we consider accelerated transport between planets as defining a different quality of physical space-time than we have been inclined to consider until now.

Therefore, recall something from ancient European science.

Contrary to the popular delusions of modern European culture's commonplace academic opinion, the roots of the modern European physical science, are to be traced to locations such as what we find convenient to identify as that ancient Greek civilization typified for modern physical science by such as the Pythagorean Archytas' construction of the proof of the duplication of the cube, and by the work of Plato.

However, to summarize here what I have presented earlier in this present report, at the close of Plato's life, consider a figure who is to be remembered as both a one-time advisor to the doomed King Philip of Macedon, and the hate-filled foe of Philip's heir, Alexander the Great. That is the figure of Aristotle, who is persuasively argued, by some authorities, to have been the intellectual mother of the hoaxster known as Euclid. Competent modern science is therefore traced to such exemplary figures as the Filippo Brunelleschi who overturned Euclid's hoax, by discovering the use of the catenary as a physical principle of construction needed to accomplish the otherwise impossible task of constructing the cupola of *Santa Maria del Fiore*, and also the Cardinal Nicholas of Cusa who was the founder of that tradition of Luca Pacioli and Leonardo da Vinci

expressed by the achievements of Johannes Kepler's uniquely original discovery of the principle of universal gravitation, and was also a forerunner of Fermat, Leibniz, and so on, through what the life of Bernhard Riemann, Albert Einstein, and Academician V.I. Vernadsky represented, among the founders of that system on which the validity in method of all competent modern physical science has depended since.

The fallacy of Aristotle whose implications I emphasize here, was that recognized by the contemporary of the Christian Apostles, Philo, (called "Judaeus") of Alexandria, who exposed the "God is dead" implications of Aristotle's proclamation of the kind of arbitrarily closed system associated with the name of Euclid in modern academic instruction. This attribution to Aristotle points attention to both the political and scientific implications of Aeschylus' **Prometheus Bound**, in which the satanic figure of the character of the Olympian Zeus, forbids man's knowledge of the use of "fire"—or nuclear power today.

These references call to our attention the significance of the belief in *a-priori* assertions of closed systems, such as those of Aristotle and the figure of the character of the Olympian Zeus, the same belief underlying the defense of both slavery and culturally stagnant systems of serfdom against human progress, the dogmas which characterize all systemically inhuman, oppressive forms of oligarchical systems of culture and government, such as the British monarchy's treatment of African peoples still today.

The unavoidable practical significance of what I have been stating here, on this point, thus far, is the following lesson in the ABCs of any competent notion of political economy.

Not only does the growth of population, and improvement of the conditions of life of the typical human individual of any, and every society and culture, depend upon what is typified by scientific and related cultural progress in the practice of education and of scientific improvement of knowledgeable skills of management of society's destiny. The attempt to permit scientific and technological stagnation, not only delimits, but compresses the possibility for human life to a relatively smaller, and chiefly oppressed population, in every case. Even the extinction of the human species, is in a certain way a probable outcome of such "zero growth" social-political models as those of today's so-called "environmentalists" in the train of Britain's Prince Philip and his batty ideas about the global mission of a World Wildlife Fund.

It is the effects of progress, such as those of scientific progress in productive practice, which are the principal distinction, in the field of demography, of the human species from that lower form of life known as the higher apes, and also the worms. In today's science, these are matters which fall best under that branch of Riemannian physical geometry which is associated with the legacy of Gottfried Leibniz's discovered concept of systemic dynamics, and of work of Academician V.I. Vernadsky.

As I have emphasized in an early portion of this present report, the system on which human life on this planet depends, demands attention to the interaction of what Vernadsky defined as the respective Lithosphere, Biosphere, and Noösphere. To remind the reader: The Biosphere draws down from the Lithosphere, while the Noösphere draws down from the Biosphere, but, the creative powers of the individual human mind have been able to increase the net productive powers of mankind in society. This occurs, despite the effect of the depletion of the richest concentrations of essential elements from both the Lithosphere and Biosphere, and even to increase the richness of the Biosphere in that process of apparent depletion, but to increase the potential population-density of our species. This occurs, while raising the standard of intellectual level of both physical productivity per capita, and cultural development of the human individual to a degree beyond all earlier precedents.

In other words, all notions of economy must proceed from understanding the implications of what I have just written here, as in the preceding paragraphs. To the extent that mankind occupies more portions of the Solar system, man directs the development within that system, and such as the Biosphere, and Lithosphere below the rank of mankind, and mankind is, for physical science, as the first Chapter of **Genesis** prescribes. It is contrary to man's assigned, given nature, to act in any contrary way.

These foregoing considerations are key for understanding the implications of the absolutely necessary discarding of the habitual practice of monetarism, as in globally extended European civilization now. How, now, shall we enter the new arrangement under which we must assure ourselves the progress of all mankind, but in a way which is freed in all essential respects from what has proven itself to be the cancerous-like effects of the toleration of monetarism?