

# EIR

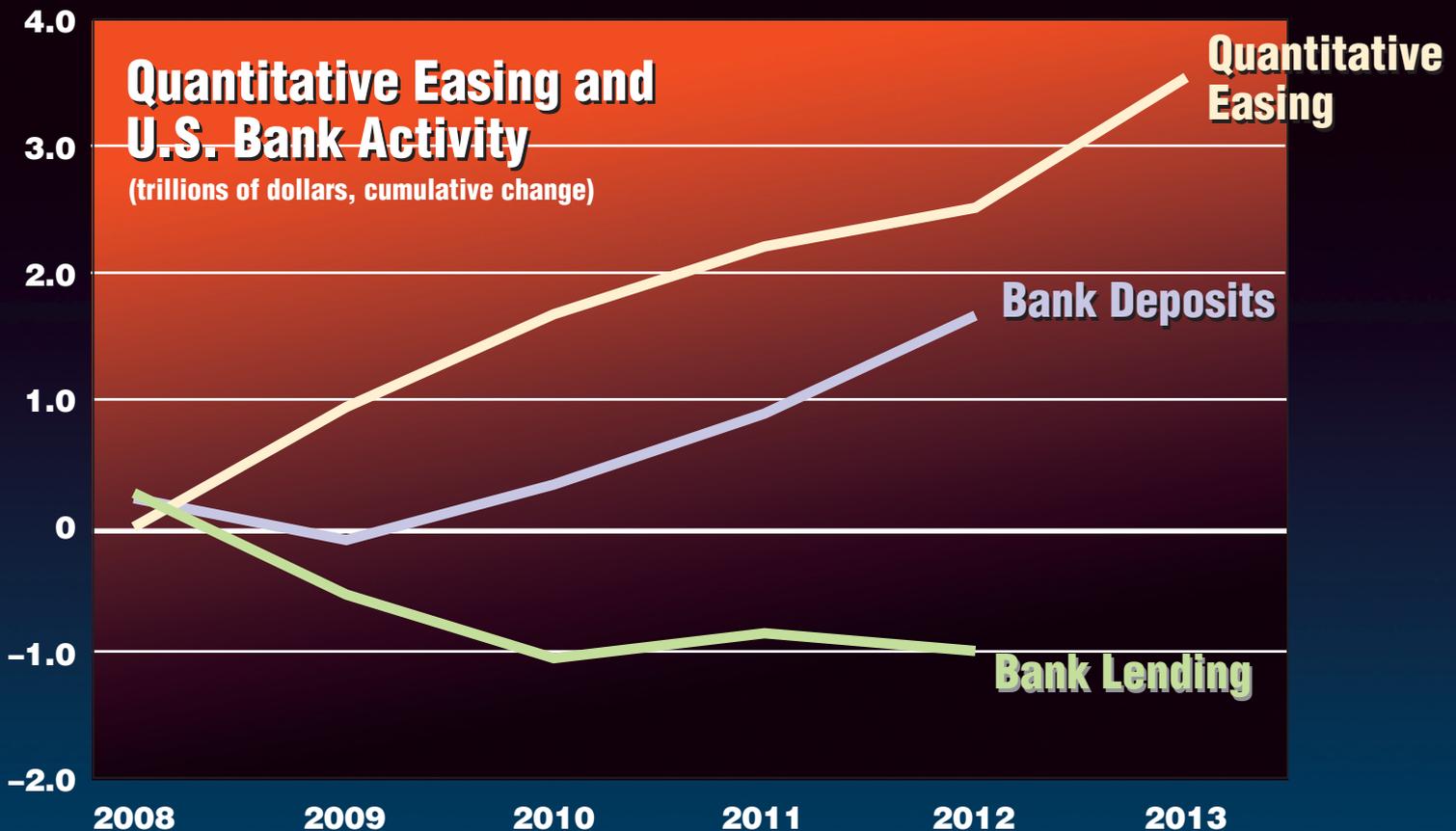
Executive Intelligence Review

March 1, 2013 Vol. 40 No. 9

www.larouche.com \$10.00

Who Really Owns You? It Is Time for You To Think  
Asteroid Impact: SDE Proposal Grips the World  
Can SDE Cooperation Trump London's War Drive?

## Financial System on Steroids: Shut Down the Casino Economy



Founder and Contributing Editor:

*Lyndon H. LaRouche, Jr.*

Editorial Board: *Lyndon H. LaRouche, Jr.,  
Antony Papert, Gerald Rose, Dennis Small,  
Nancy Spannaus, Jeffrey Steinberg, William  
Wertz*

Editor: *Nancy Spannaus*

Managing Editors: *Bonnie James, Susan Welsh*

Technology Editor: *Marsha Freeman*

Book Editor: *Katherine Notley*

Graphics Editor: *Alan Yue*

Photo Editor: *Stuart Lewis*

Circulation Manager: *Stanley Ezrol*

#### INTELLIGENCE DIRECTORS

Counterintelligence: *Jeffrey Steinberg, Michele  
Steinberg*

Economics: *John Hoefle, Marcia Merry Baker,  
Paul Gallagher*

History: *Anton Chaitkin*

Ibero-America: *Dennis Small*

Law: *Edward Spannaus*

Russia and Eastern Europe: *Rachel Douglas*

United States: *Debra Freeman*

#### INTERNATIONAL BUREAUS

Bogotá: *Javier Almaro*

Berlin: *Rainer Apel*

Copenhagen: *Tom Gillesberg*

Houston: *Harley Schlanger*

Lima: *Sara Madueño*

Melbourne: *Robert Barwick*

Mexico City: *Gerardo Castilleja Chávez*

New Delhi: *Ramtanu Maitra*

Paris: *Christine Bierre*

Stockholm: *Ulf Sandmark*

United Nations, N.Y.C.: *Leni Rubinstein*

Washington, D.C.: *William Jones*

Wiesbaden: *Göran Haglund*

#### ON THE WEB

e-mail: [eirns@larouchepub.com](mailto:eirns@larouchepub.com)

[www.larouchepub.com](http://www.larouchepub.com)

[www.executiveintelligencereview.com](http://www.executiveintelligencereview.com)

[www.larouchepub.com/eiw](http://www.larouchepub.com/eiw)

Webmaster: *John Sigerson*

Assistant Webmaster: *George Hollis*

Editor, Arabic-language edition: *Hussein Askary*

EIR (ISSN 0273-6314) is published weekly

(50 issues), by EIR News Service, Inc.,

P.O. Box 17390, Washington, D.C. 20041-0390.

(703) 777-9451

**European Headquarters:** E.I.R. GmbH, Postfach

Bahnstrasse 9a, D-65205, Wiesbaden, Germany

Tel: 49-611-73650

Homepage: <http://www.eirna.com>

e-mail: [eirna@eirna.com](mailto:eirna@eirna.com)

Director: Georg Neudecker

**Montreal, Canada:** 514-461-1557

**Denmark:** EIR - Danmark, Sankt Knuds Vej 11,

basement left, DK-1903 Frederiksberg, Denmark.

Tel.: +45 35 43 60 40, Fax: +45 35 43 87 57. e-mail:

[eirdk@hotmail.com](mailto:eirdk@hotmail.com).

**Mexico City:** EIR, Ave Morelos #60-A, Col Barrio

de San Andres, Del. Azcapotzalco, CP 02240,

Mexico, DF. Tel: 5318-2301, 1163-9734, 1163-9735.

Copyright: ©2013 EIR News Service. All rights  
reserved. Reproduction in whole or in part without  
permission strictly prohibited.

Canada Post Publication Sales Agreement

#40683579

**Postmaster:** Send all address changes to EIR, P.O.  
Box 17390, Washington, D.C. 20041-0390.

# EIR

## From the Managing Editor

**H**yperinflation? Are you sure? After all, you might say, “Where are the wheelbarrows?” Admittedly, this doesn’t look like Weimar 1923, at least not yet. Even so, now, the most conservative financial gurus are beginning to whisper—or even shout—the dreaded “H”-word. As Helga Zepp-LaRouche writes in this week’s cover story, “some representatives of the financial world are getting the jitters.” Even the arch-reactionary mouthpiece of the gnomes of Zurich, the *Neue Zürcher Zeitung*, last week uttered the hitherto taboo word “hyperinflation,” in response to the flooding of the markets by the Fed and ECB, and attributed the run-up in stock prices to “monetary policy on steroids.” The graphic on our cover tells the story.

The madness of the imperial financial wizards is matched by their evil twins among the anti-human Greens, led by HRH Prince Philip and his World Wildlife Fund, whose murderous antics in Australia are exposed in *Economics*: “Criminal Negligence, Green Ideology Caused Australia’s Flood Crisis.” Robert Barwick shows that the recent devastating floods there are the intended result of Philip’s genocidal program of promoting population-reduction and anti-science lunacy.

On the other side of the cognitive divide, our *Science* section digs deeper into the question of the strategic defense of Earth, in the wake of the Feb. 15 wake-up call from the Solar System. In “Asteroid Impact Over Russia: SDE Proposal Grips the World,” Ben Deniston of the LaRouche science team updates his report from last week, citing Russian Minister Dmitri Rogozin’s call for a U.S.-Russia effort for planetary defense against asteroids and other potentially deadly space threats.

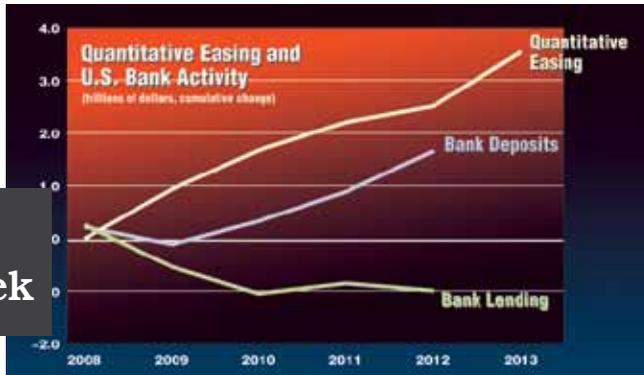
Lyndon LaRouche’s *Feature*, “Who Really Owns You? It Is Time for You To Think, Really,” begins with the immediate threat of financial Armageddon, brought on by Bernanke’s “quantitative easing,” contrasted with the need for rapid increases in applied energy-flux densities to meet the challenges that the galaxy has put before us.

A brief review of top *World News* includes: “Can SDE Cooperation Trump London’s War Drive?”; “India’s Pro-Obama Government May Be on Its Last Legs”; “Pope’s Abdication: A Sign of the Times”; and “Glass-Steagall Has Broad Support in U.S.”



## Cover This Week

*Quantitative easing did not even increase bank lending, as it was presumably supposed to do.*



EIRNS

### 4 Financial System on Steroids: Shut Down the Casino Economy

By Helga Zepp-LaRouche. When even the Swiss bankers' newspaper *Neue Zürcher Zeitung* uses the "H-word" ("hyperinflation"), it's clear that the financial world is extremely worried about the effects of Fed Chairman Ben Bernanke's and European Central Bank President Mario Draghi's "quantitative easing." Some are moving in the direction of a Glass-Steagall reform, and the LaRouche movement internationally is promoting that process.

### 6 Documentation: Danger of Hyperinflation Breaks into Public Debate

## Economics

### 7 Criminal Negligence, Green Ideology Caused Australia's Flood Crisis

The region of Australia that is now being hard hit by flooding is prone to enormous floods, yet virtually nothing has been done to build infrastructure to mitigate them.

### 9 Australian Conservation Foundation: The British Crown Created Green Fascism

A reprint from "The British Crown Created Green Fascism," *The New Citizen*, October 2011. The newspaper is published by the Citizens Electoral Council, the LaRouche movement in Australia.

### 14 Case Study: Tasmania

Prince Philip personally set in motion the creation of the world's first Green political party, in Tasmania in 1972.

## Science

### 18 Asteroid Impact Over Russia: SDE Proposal Grips the World

While much of the media is reacting to the meteorite explosion over Russia, from the standpoint of practical responses which fit within the current global political-economic framework, a fundamental question is missing. The significance of this special delivery from the Solar System is that it expresses the failure of the current paradigm of government, economics, and science.

### 21 Insane Priorities

### 22 Interview: Hypervelocity Asteroid Deflection

LPAC-TV interviewed Bong Wie (Iowa State University) and Brent Barbee (NASA Goddard Space Flight Center), who are working on a "Hypervelocity Asteroid Intercept Vehicle" concept.

### 25 Russia's Rogozin Again Proposes SDE

### 26 Russians Respond: Calls for Cooperation on Space Threats

### 27 Planetary Defense and Energy-Flux Density

Reprinted from *21st Century Science & Technology*.

## Feature

### 33 Who Really Owns You?: It Is Time for You To Think, Really

By Lyndon H. LaRouche, Jr. "It might seem to some stubbornly misguided souls," LaRouche writes, "that my profession as a successful forecaster in economic processes, has been, and remains, merely that which some learned, but confused folk might wish to prefer to describe, mistakenly, as being that of 'a contrarian.' All of which means, in fact, that I have searched, with some modest degree of a relatively unique success, for access to the real, future causes and their outcomes for a future history, rather than that of most of those who have been considered, as by their own very selves, to be 'merely historians of a past experience.'"

## World News

### 52 Can SDE Cooperation Trump London's War Drive?

Will the newly discovered urgency to launch a Strategic Defense of Earth (SDE), a program of global scientific and technological cooperation to secure the future of man on Earth, be sufficient to defeat the equally feverish drive by the British Empire to provoke a permanent global war aimed at the drastic reduction of the human population?

### 55 India's Pro-Obama Government May Be on Its Last Legs

Prime Minister Manmohan Singh is a packaged product delivered from outside by the international financial and corporate powerbrokers who saw him as the pawn that he is. His manifest policy failures are bringing him to the end of the line. Will India find an alternative?

### 58 Pope's Abdication: A Sign of the Times

### 59 Glass-Steagall Has Broad Support in U.S.

## Editorial

### 60 Italy Kicks Over the Chessboard

# Financial System on Steroids: Shut Down the Casino Economy

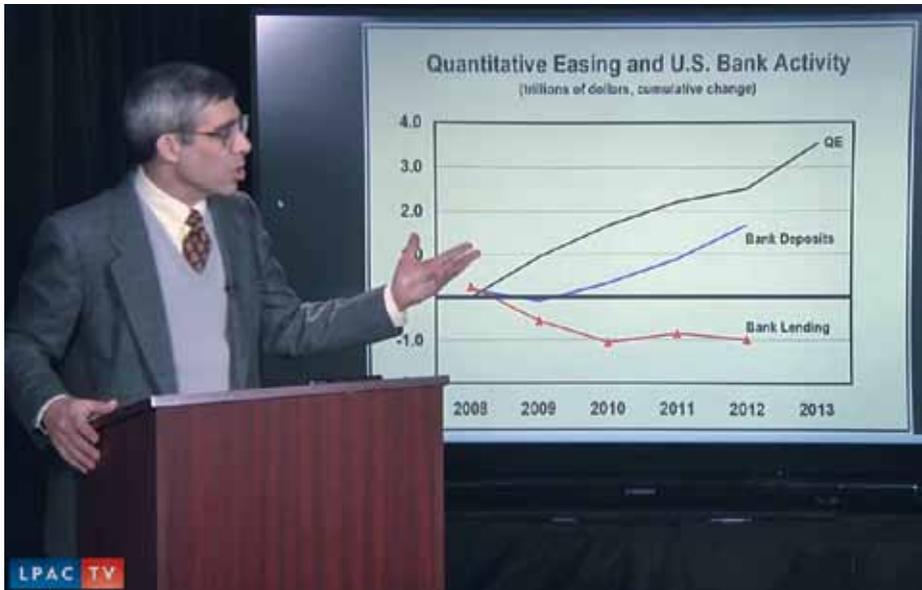
by Helga Zepp-LaRouche

Feb. 22—After the virtually unanimous support for the policy of miraculous multiplication of money—the so-called “quantitative easing” of “Helicopter Ben” Bernanke and European Central Bank (ECB) President Mario Draghi—expressed by the G20 countries at their Feb. 15-16 meeting in Moscow, some representatives of the financial world are getting the jitters. The ultra-conservative Swiss newspaper *Neue Zürcher Zeitung* even mentioned the hitherto taboo H-word (hyperinflation). At the same time, the markets are being flooded not only with money, but also with various ersatz versions of a banking system that would separate commercial from investment banking—all of which only have one purpose: to conceal the speculation and prolong the dancing on the volcano for just a little longer.

On Feb. 18, an article in the *Neue Zürcher Zeitung* warned that the super-easy money policy makes it only a matter of time before high inflation, or even hyperinflation sets in. Charles Gave of the Hong Kong research firm GaveKal pointed out the real reasons for the impending crisis point: namely that Europe is a huge Potemkin village; behind its facade, Southern Europe is in a death spiral caused by the destruction of the industrial base in Italy, Spain, and France since the introduction of the euro. Two days earlier, the same newspaper attributed the surge in stock prices to “monetary policy steroids,” with reference to Lance Armstrong, the fallen star of the Tour de France. The stock market rally will ultimately prove to be a poisonous gift from the central banks, and the financial house of cards will once again collapse, the paper wrote.

Even if the *Zeitung* thinks it has to quote other people—investors and analysts—in order to say this, it is still the truth. Southern Europe is indeed in a death spiral. In Greece, for example, people only have access to 268 of 900 essential medicines; the suicide rate is rising throughout southern Europe; a huge brain drain from the South is benefitting Germany and Northern Europe in the short term, but is destroying the foundations for economic recovery in the South: a Potemkin village in Europe, while the financial policy of the entire trans-Atlantic region and Japan is on drugs. The central bankers’ gift of a Trojan Horse makes the megaspeculators happy, while proving disastrous for all.

Lyndon LaRouche warned in his Friday [webcast](#) on Feb. 15, that behind the easy-money policy of the central banks of the U.S., EU, U.K., and Japan, there is a clear intention to let the unpayable debt of the financial system vanish into thin air from hyperinflation, and to expropriate the wealth of large mass of the population, while designing a new currency system only for the benefit of members of the “club” of the international financial elite. That statement may seem shocking at first, but its truth is obvious to anyone who thinks through the “no matter what it costs” policy of ECB chief Draghi & Co., or who has thought about Germany’s hyperinflation of 1923. Then as now, there were war profiteers who benefitted from the hyperinflationary policy by fleeing in time into material assets, industrial plants, mines, etc., and, after the currency reform, strengthened their positions.



their state legislators, Congressmen, and Senators of their duty to defend the general welfare, as specified in the U.S. Constitution. Given that many parts of the United States are in just as bad shape economically as Southern Europe, this conflict has become hand-to-hand combat between U.S. patriots and Wall Street lobbyists.

### Germany: Sticking with Monetarism

So far at least, the situation in Germany is still relatively underdeveloped in this respect. To be sure, the federal government has now presented, in coordination with the French

*EIR's Dennis Small illustrates the onset of hyperinflation in this LaRouchePAC TV video dated Feb. 22, available at <http://larouchepac.com/node/25602>.*

### Glass-Steagall Is the Way To Go

Fortunately, the financial establishment is by no means unanimous regarding this unlimited opening of the monetary floodgates. As the minutes of the latest meeting of the U.S. Federal Reserve's Open Market Committee (FOMC) on Jan. 29 show, the number of participants who reject Bernanke's policies is increasing from "some" to "many." For the first time, there was open discussion of phasing out the hyperinflationary money generation, and of the associated difficulty that this policy means that the Fed would destroy many of its own titles, so that a phase-out is impossible as long as the casino economy is maintained.

Richard Fisher, the Fed chief in Dallas (Texas), and Thomas Hoenig, deputy chairman of the Federal Deposit Insurance Corporation (FDIC), are the leaders of a growing faction of Fed governors, bank regulators, and regional bankers in the U.S. who are working for the full re-establishment of Franklin Roosevelt's Glass-Steagall Act. This is based on their recognition that the hyperinflation policy of Bernanke & Co. will have catastrophic social, political, and economic consequences.

LaRouche's Political Action Committee has launched a national campaign for the reinstatement of Glass-Steagall. The most recent success of this mobilization is that South Dakota's legislature has become the seventh in the country where a resolution has been submitted supporting that policy. Activists are reminding

government, one of the many ersatz variations of banking separation, namely its "draft legislation on protection against risks and on planning the reorganization and closing down of banks and financial groups." But it unfortunately remains completely within the framework of monetarism, even recommending further nesting of the major banks for the purpose of continued speculation, and not even mentioning the term "real economy."

This draft legislation corresponds exactly to what Richard Fisher has opposed about the Dodd-Frank Act and its so-called Volcker Rule, namely that a completely non-transparent financial sector is made even more problematic by complex regulations, making the situation worse. The German government's draft law reflects the fact that its authors and their employers do not want to give up speculation and monetarism.

But it is a matter of life and death in the immediate future, to break with this adulation of the monetary system, and to return to a policy that prioritizes the physical economy, as a precondition for the continued existence of mankind. And in the current situation, this can only happen with the full Glass-Steagall separation of the banks, because either money is made available to continue high-risk speculation and gambling, or a credit system will be created exclusively to finance the real economy.

Hyperinflation is already in full swing. It is already visible in asset values, whereas the consumer goods in-

dices are being deliberately manipulated. The explosion of prices for real estate, energy, and food gives a foretaste of what is threatening to explode.

*Translated from German by Susan Welsh.*

---

## Documentation

---

# Danger of Hyperinflation Breaks into Public Debate

**Dallas Federal Reserve President Richard Fisher** told **Reuters** news agency Feb. 21, “**I’m not alone anymore**” in thinking that the Federal Reserve’s quantitative easing policy is not helping to create jobs.

Fisher hit the Fed’s purchase of \$40 billion of mortgage-backed securities each month, along with \$45 billion in Treasury bonds (totalling \$85 billion/month), ostensibly to push down interest rates: “I just don’t personally feel the need for further mortgage-backed activity, but the majority rules, and I’ve been in the minority on that front.... The housing market is even becoming speculative in some places.” Fisher said the Fed’s actions to lower interest rates have “artificially” boosted markets, but “done little for the real economy.”

Fisher said the “wealth effect” of QE3 has not led to the robust employment growth that everyone wants. “The cost, however, is maybe higher than we think, because the more we do, the further into uncharted territory we sail, and how do we get out of it?”

**The Wall Street Journal** on Feb. 21 headlined its coverage of the just-released minutes of the Federal Open Market Committee’s (FOMC) Jan. 29 meeting “**Split on How Long To Keep Cash Spigot Open.**”

For the first time, according to the minutes, the potential was openly discussed in the FOMC that if the Fed continues the quantitative easing much longer, it may, when it then attempts to “exit” that policy, wipe out a big chunk of its own capital as a bank. This would result directly from the sharp rise in interest rates these FOMC members now foresee, when and if the Fed starts selling its immense asset book, soon to equal 25% of U.S. GDP. The longer the Fed keeps buying up \$85 billion/month in mortgage-backed securities and Treasury securities, the more certain this “exit” interest-rate

spike becomes. If Fed asset losses were to wipe out part of its capital in such an “exit” situation, either the Treasury would have to step in with tens of billions more in taxpayer funds as additional capital—bailing out the Fed!—or the Fed itself would have to lurch back in the direction of even more rapid money-printing—or both. In a word, the Fed may soon become *unable* to exit from the hyperinflationary policy, as many fearful FOMC members are suspecting.

The **Journal** had reported Feb. 20 that FOMC members were alarmed that the money-printing policy is causing “excessive risk-taking and instability in financial markets.” Bubbles in “junk” corporate bonds and in mortgage-backed securities have zoomed back up again, as in 2005-07.

“Don’t sit on the same hot stove twice,” is the way Richard Fisher put it, as quoted by the newspaper.

**Yalman Onaran**, in a **Bloomberg** article titled “**U.S. Banks Bigger Than GDP as Accounting Rift Masks Risk,**” Feb. 19, quoted from an interview with **FDIC vice-chairman Thomas Hoenig** who said that “derivatives, like loans, carry risk. To recognize those bets on the balance sheet would give a better picture of the risk exposures that are there.” Hoenig is an advocate of restoring the Glass-Steagall Act (although Bloomberg does not say so).

Onaran reviewed data compiled by Bloomberg that bear out this point, and continued:

“Using international standards for derivatives and consolidating mortgage securitizations, JPMorgan Chase & Co., Bank of America Corp. and Wells Fargo & Co. would double in assets, while Citigroup Inc. would jump 60 percent, third-quarter data show. JPMorgan would swell to \$4.5 trillion from \$2.3 trillion, leapfrogging London-based HSBC Holdings Plc and Deutsche Bank AG, each with about \$2.7 trillion.

“JPMorgan, Bank of America and Citigroup would become the world’s three largest banks and Wells Fargo the sixth-biggest. Their combined assets of \$14.7 trillion would equal 93 percent of U.S. gross domestic product last year, the data show. Total assets of the country’s banking system would be 170 percent of economic output, still lower than 326 percent for Germany.

“U.S. accounting rules for netting derivatives allow banks to erase about \$4 trillion in assets, the data show. The lenders also can remove from their books most mortgages they package into securities, trimming an additional \$3 trillion.”

# Criminal Negligence, Green Ideology Caused Australia's Flood Crisis

by Robert Barwick

Feb. 12—A generation of free-trade-brainwashed politicians is to blame for the flood damage that has recently hit Australia's "Sunshine State" of Queensland for the second time in two years. As Cyclone Oswald made landfall in north Queensland Jan. 28, and was downgraded to a tropical storm, it slowly travelled down the length of the continent's east coast, dumping anywhere from six to ten inches of rain in 24 hours on large areas, with more concentrated deluges of over two feet in a day. The rain caused record flooding in central coastal towns such as Bundaberg, and as far south as the northern New South Wales (NSW) town of Grafton. Along the coast, the rains were augmented by the ocean storm surge.

This region of Australia is prone to enormous floods, yet virtually nothing has been done to build infrastructure to mitigate them. Queensland has some flood-control dams, built after the last great La Niña-event flood period of 1974. Improper operation of one of them, the Wivenhoe Dam near Brisbane, caused the massive flooding of Brisbane two years ago, but this time the dam did its job brilliantly, and held back the flood waters to save Australia's third-largest city. Since the Wivenhoe Dam was constructed, however, Australian politics has been overrun by free-market economics and green fascism, so governments no longer make such long-term investments. Also the rebuilding from the 2011 floods has largely been left to "market forces," so some of the victims of the present floods are still homeless and living in sheds, after two years!

Lyndon LaRouche's Australian co-thinkers in the Citizens Electoral Council (CEC), published in *The New Citizen* newspaper in 2002, in collaboration with the late engineering professor Lance Endersbee, an infrastructure blueprint for Australia titled "The Infrastructure Road to Recovery," which featured 18 grand water infrastructure projects for the nation. The greatest number of these project ideas were for Queensland and northern New South Wales, covering the very same

river systems that are presently in flood: The **Dawson Scheme** would protect the area around Rockhampton (expected to be flooded by this weekend); the **Burnett River Scheme** would protect the severely flooded Bundaberg region (a scaled-down version has since been built, but it is far less effective than the originally proposed design would have been); and the **Clarence River Scheme** would mitigate the flooding of Grafton in NSW, as well as inject more water into the Murray-Darling Basin food bowl. The green-brainwashed Federal Member of Parliament for Grafton recently reacted to the CEC's plan for the Clarence River, and vowed that "not one drop" of the river would be diverted into the Murray-Darling. Her town is now under water.

## Prince Philip's WWF vs. Productive Water Management

The CEC's "The Infrastructure Road to Recovery" generated great excitement, especially among constituencies slammed by "green" legislation, including the food-producers of rural Australia. Their enthusiasm provoked Prince Philip's World Wildlife Fund into a mad scramble to block the road to recovery.

In late 2002, WWF organized a meeting of "esteemed scientists" at Sydney's Wentworth Hotel, including depopulation advocate Prof. Tim Flannery, a close associate of zero-growth fanatic Hans-Joachim Schellnhuber, the Queen of England's personal envoy on climate change who chairs Germany's Advisory Council on Global Change. Those in attendance, including ostensible water experts such as the late Prof. Peter Cullen, formed the Wentworth Group of Concerned Scientists.

Cullen admitted in a speech to the June 2006 North American Benthological Society Annual Conference that the Group's formation was a knee-jerk reaction to the ideas unleashed by the CEC: "In 2002 Australia was in the grip of a major drought and newspapers were run-



Creative Commons

*Flooding of the Bremer River at Ipswich in Queensland, Australia, Jan. 28, 2013. Virtually nothing has been done to build infrastructure to prevent flood damage, due to decades of environmentalist opposition led by Britain's Prince Philip.*

ning drought stories each day showing the plight of farmers. Radio talk back hosts were dreaming of visionary schemes to turn coastal rivers inland to drought-proof the country. *Many idiotic solutions were being advanced to address the issue,*” he spat. “A group of experienced scientists from a variety of disciplines, who had spent their careers trying to understand the Australian landscape, came together in some despair at the widespread community misunderstanding about our landscape and the variability of rainfall that characterizes it.”

In fact, the proposed water projects in “The Infrastructure Road to Recovery” are based on a well-founded understanding of the potential for well-designed projects to transform the semi-arid Australian landscape with oases of productivity. This potential is epitomized by the **Snowy Mountains Scheme**, one of the engineering wonders of the world, on which Professor Endersbee started his career in engineering. Built between 1949 and 1974, the scheme harnesses the snow-melt of Australia’s highest mountain range, the Snowy Mountains, and diverts 2,100 gegaliters (more than 1.7 million acre-feet) of water through mountain tunnels into the Murrumbidgee and Murray rivers, generating more than 3,750 megawatts of hydroelectricity along the way. The waters supply intensive irrigation systems in Australia’s food bowl, the Murray-Darling Basin, which produces 40% of the nation’s agricultural output, often from areas that were previously mostly desert.

The CEC’s infrastructure blueprint features a simi-

larly transformative project, the **Bradfield Scheme**, to divert water from the high-rainfall areas of far north Queensland to inland Australia. Its author, the famed Australian engineer Dr. J.J.C. Bradfield, who built the iconic Sydney Harbor Bridge in 1932, envisioned his scheme as transforming the arid climate of the Australian “Outback” by generating higher rainfall through increased moisture and vegetation.

The Wentworth Group of course rejected all such potential, and instead unleashed a propaganda blitz not only against new dam construction

in Australia, but also to dismantle *existing* infrastructure, notably the irrigation systems of Australia’s food bowl, the Murray-Darling Basin. Among the specific projects the CEC proposed for the areas of Queensland that are now flooded, only a scaled-back version of the **Burnett River Scheme** was built, a dam less than half the volume of the original proposal, with no flood mitigation capacity to protect the people of the city of Bundaberg downstream.

This year’s Bundaberg disaster provoked State Flood Recovery Minister David Chrisafuli on Feb. 6 to blame what he termed “crazy green anti-dam groups” for the flood damage. A local green leader, Roger Currie from the Wide Bay Environment Council, countered by calling for the people of Bundaberg to be permanently relocated, instead of building new dams. “I think really the best position this State Government could adopt and one which we’d agree to is that they think seriously about a relocation program for Bundaberg, rather than attempting to invest billions in trying to stop the Burnett River doing what it really does,” he said.

In the pages that follow, we excerpt from a later *New Citizen Special Report*, “The British Crown Created Green Fascism,” published in October 2011. This article on the origins of the Australian Conservation Foundation documents the direct role of Britain’s Prince Philip in brainwashing some leading Australians and bludgeoning others, including through the project that created the world’s first Green Party, in Tasmania.

# The British Crown Created Green Fascism

by Robert Barwick

October 2011—The Green fascist movement ruling Australia today is the creation of the Duke of Edinburgh, Prince Philip, Consort to the Queen. The Duke wielded the power of his title, and that of the Crown itself, to deploy the offices of the Governor-General and Chief Justice of the High Court, and the finances of the Commonwealth government, to establish the Australian Conservation Foundation (ACF) as Australia's first and most important environmentalist organization. He exercised fingertip control over its establishment and organization, and even personally headed it in 1971-76 as president.

The Duke created the ACF in 1964 as a de facto subsidiary of the World Wildlife Fund (WWF), which he had co-founded in 1961 with former Nazi Prince Bernhard of the Netherlands and British Eugenics Society President Sir Julian Huxley. He founded both the WWF and the ACF with the intention of locking away huge swathes of the globe from economic development or even civilization, and killing billions of human beings.

Prince Philip directed every stage of the establishment of the ACF through Australia's Governor-General, the Crown's representative. In 1962, only months after forming the WWF, he summoned **Murray Tyrrell**, the official secretary to the Governor-General, from Canberra to serve in the Royal Household at Buckingham Palace for four months. The next year he allocated to Tyrrell the logistics to

found the ACF. With his personal ties to the Crown, and having been official secretary to five successive Governors-General, Tyrrell was the permanent power behind the throne in Australia. In 1968, Queen Elizabeth knighted him for "personal service to the Queen."

In February 1963, the Queen and Prince Philip arrived in Australia for a royal tour. Philip directed Tyrrell to arrange a meeting between British WWF founding member and its first paid employee, **Ian MacPhail**, and Australian conservationists, to discuss the possibility of establishing an Australian branch of the WWF. At the time, the WWF was keen to raise funds in Australia for the drive led by the **International Union for the Conservation of Nature (IUCN)** to sequester large tracts of sub-Saharan Africa, taking them out of control by the governments of newly independent nations, under the pretext of establishing "national parks."

Tyrrell later recalled that he knew the "obvious" person to recruit to assist him—**Francis Noble Ratcliffe**, an expatriate British zoologist who drove the early pro-Green quackery inside the Commonwealth Scientific and Industrial Research Organization (CSIRO) and the Australian Academy of Science. Ratcliffe was a former student of Sir Julian Huxley, co-founder of the WWF with

Prince Philip; Huxley had deployed him to Australia in 1929. Ratcliffe coordinated his conservation efforts in Australia with Huxley, the world's leading early Green fascist "scientist." Huxley wrote the foreword to Ratcliffe's 1938 conservation "classic," *Flying Fox and Drifting Sand*.

Like the eugenicist Huxley, Ratcliffe was a racist. In letters to his family after first arriving in Australia, he denounced Australians as of a "low type," "incorrigibly lazy," and "useless rotters" who would find a way to ruin nature. Like Australia's own fascists of the era, mobilized into the paramilitary Old and New Guards, Ratcliffe despised the working-class Australian Labor Party, which was fighting to wrest control of Australia





*Julian Huxley's protégé Francis Noble Ratcliffe*



*Heil to the Chief! The ACF's inaugural President, Sir Garfield Barwick, flanked by the ACF Executive Committee, greets ACF founder, overseer, and future President Prince Philip.*

lia's finances from the City of London and its local stooges. The problem with Australia, Ratcliffe sniffed, was that it had too much democracy, but "the sooner the day of reckoning comes the better." "Unfortunately the independent, arrogant spirit of the people precludes the possibility of a Mussolini," he penned on Oct. 4, 1929. "If one did appear, I may say, I should be one of the first to put on a black shirt."

### **All the Queen's Men...**

In her 1964 Christmas Broadcast, the Queen left no doubt that Philip's Green crusade was a Royal Family affair, ranking "overpopulation" as first on her list of the world's problems. Tyrrell and Ratcliffe had indeed met with Ian MacPhail during the month of Philip's visit, February 1963. Also present were two of Ratcliffe's CSIRO co-workers, **Harry Frith** and **Max Day**, as well as the Secretary of the Department of Prime Minister, **Sir Geoffrey Yeend**, whose presence indicated that Philip's message had cut through to the Australian government: "Conservation" was now British strategic policy, and the various governments of the Empire were expected to support it.

A few weeks later, Philip met with business leaders to conscript them to the cause. These contacts resulted in the formation of a Provisional National Committee for Conservation in July 1963, under the chairmanship

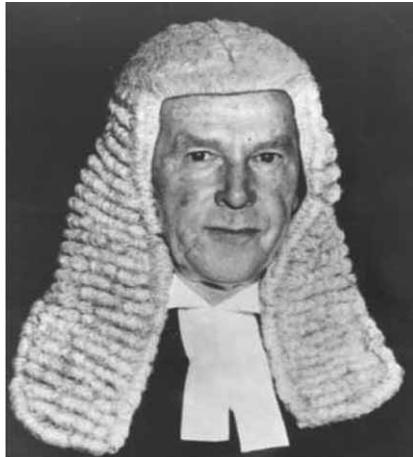
of Commonwealth Banking Corporation chairman **Sir Warren McDonald**, with Murray Tyrrell as Honorary Secretary. Members included Imperial Chemical Industries (ICI) executive **Donald Malcolmson** (scion of Melbourne's wealthy Myer and Baillieu families), **Sidney Baillieu Myer**, Ratcliffe, Max Day and Harry Frith from the CSIRO, Australian National University professors **A.H. Ennor** and **L.D. Pryor**, and Department of Prime Minister Secretary Yeend. The Provisional Committee decided that, rather than establishing an Australian branch of the WWF to fund work in Africa, Australia should "get its own house in order" by establishing a national environmental organization for Australia.

The inaugural meeting of the Australian Conservation Foundation was held in Canberra on Aug. 21, 1964. Tyrrell, from Government House in Canberra, sent out invitations to selected individuals. More than 80 delegates attended, including scientists from the CSIRO and the Australian Academy of Science, business leaders, and at least one federal Member of Parliament, future Prime Minister and future Privy Councillor **Malcolm Fraser**. Francis Ratcliffe was named Honorary Secretary, newly appointed Chief Justice of the High Court and Privy Councillor **Sir Garfield Barwick** was announced as President, and, to get the ACF rolling, Tyrrell arranged for Prime Minister Robert Menzies to

grant the ACF an initial £1,000.

The Governor-General's office, in the person of Tyrrell, who continued to work closely with Ratcliffe, handled all logistics for the ACF. Tyrrell signed off on every decision, right down to vetting prospective typists. In 1966, Tyrrell arranged for Governor-General **Richard Casey** to be named as Patron of the ACF, and did the same for Casey's successor, **Sir Paul Hasluck**, in 1969.

Tyrrell did the legwork, but Prince Philip was the boss: Despite the Duke's having no official position with the ACF until 1971, President Barwick sent him regular reports on its progress, signing off, "I remain, your obedient servant, Sir Garfield Barwick."



*Sir Garfield Barwick, royal family intimate*

### **'Gar' Barwick and Government Funding**

The ACF's first order of business was funding. It promoted itself as a "private foundation," but could exist only with heavy government funding. If large government funding had not been forthcoming at this stage, *the Green movement as we know it would not exist.*

Enter Sir Garfield Barwick. The enormously influential Barwick was a member of the Privy Council, the ruling body of the British Empire, and a Knight Grand Cross of the Order of St. Michael and St. George. Thus he was at the top of the totem pole of British imperial power in Australia. For a record 17 years, he was also Chief Justice of the High Court, with power to dictate to other levels of government. He was personally close to the Royals.

Barwick's power as Chief Justice was essential to dictating Green policies, especially to the states. As Attorney-General in the Menzies government, he had already shown his intention to use his power to stop economic development on environmental grounds.

Barwick had been converted to the conservationist cause in 1958, when he was an independent trustee of the Kosciuszko State Park Trust. Two radical greenies, **Baldur Byles** and **Alec Costin** (the latter a collaborator of Ratcliffe at the CSIRO), took him on a three-day bushwalk through the park to enlist his support for their campaign to designate part of it as a "primitive" area,

off limits for development. Their target was the Snowy Mountains Scheme, Australia's great post-war hydroelectric project.

Despite his conflict of interest as a park trustee, Barwick then used his position as Attorney-General to halt the plans of Sir William Hudson and the Snowy Mountains Authority for completion of the part of the Snowy Mountains Scheme overlapping the park's "primitive area." Later, as ACF President, Barwick would use his reputation as Chief Justice in an attempt to stop Tasmania's own version of the Snowy, namely, hydroelectric development in its South-

west.

Barwick's power was also key to securing government funding for the ACF. In 1965, he approached his former Cabinet colleague **Harold Holt** to request funding for the ACF's office expenses. At the same time, Murray Tyrrell spoke to Treasury Secretary **Sir Roland Wilson** about funding, as well as tax deductibility for donations to the ACF. In 1966 Holt, now Prime Minister, informed Barwick that his government would cough up a \$60,000 grant-in-aid, spread over three years, and the desired tax deductions. The grant amounted to over 45% of the ACF's funding in its first three years. In 1968, when the initial three-year grant was about to expire, and the federal government, now led by **John Gorton**, delayed new funding; questions had arisen as to exactly what the ACF was doing with its money. Again, Barwick stepped in: He arranged an urgent meeting with Gorton, who then granted the ACF \$150,000, spread over three years.

In 1972-73, federal government funding of the ACF jumped to \$150,000 annually. Again, the question of what the ACF was doing with the money was an issue, this time in relation to the Tasmanian government's flooding of Lake Pedder. Incoming Whitlam government Environment Minister **Moss Cass**, a Green fanatic, demanded more action. In a fiery confrontation with the ACF executive, he threatened to slash its funding back to \$50,000, and spread the balance of \$100,000 around to other conservation organizations, unless the ACF became more activist. Prime Minister **Gough Whitlam** overruled Cass, and rein-

stated the ACF's full \$150,000. An angry Cass confronted Whitlam on a telephone call to Ottawa, Canada, where Whitlam was attending a conference. The Prime Minister told Cass he had reinstated the funding because he didn't wish to upset Sir Garfield Barwick, in light of pending High Court decisions. That in itself is an enormous scandal, but ACF historian Beverley Broadbent, in her book *Inside the Greening*, reported an even bigger one: "Whitlam did not tell Cass that Prince Philip, who was attending the Ottawa Conference, had asked that the cut be restored."

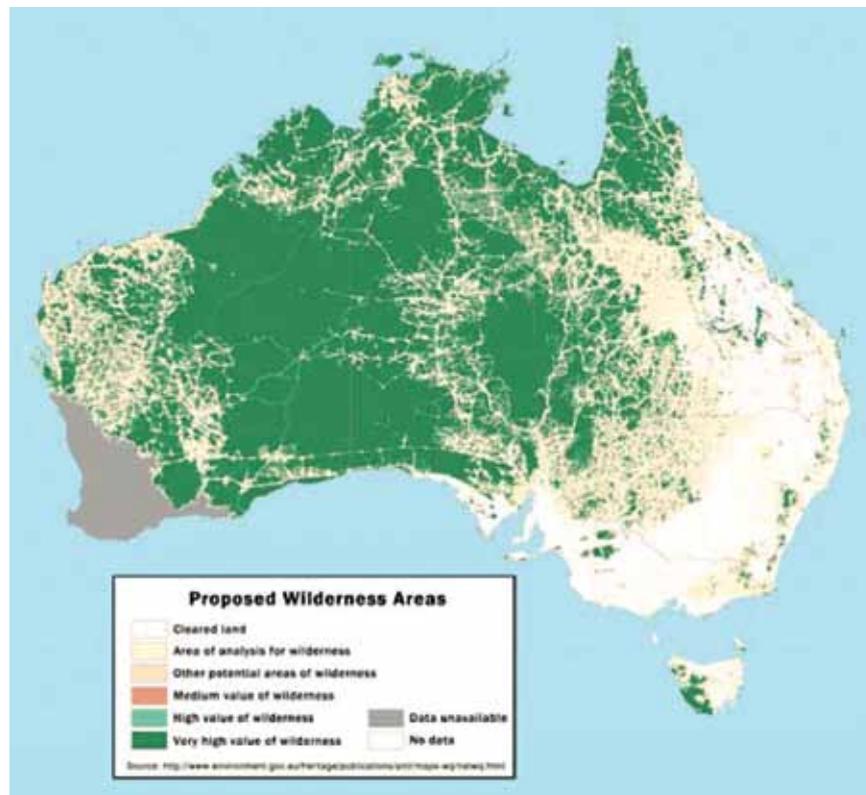
### Wilderness National Parks

In line with the WWF leadership's stated intention of reducing the world's population to less than 1 billion people,<sup>1</sup> the target level for Australia, announced years ago by current Chief Climate Commissioner Tim Flannery, is as few as 6 million [the estimated population in February 2013 is 22.9 million—ed.]. A key pathway to this goal is what Sir Garfield Barwick called the "lockdown" of land in national parks.

National parks have a history going back to the 19th Century, and the term "national park" is broad: It implies conservation, but may entail many different possible degrees of land usage and access. By the mid-20th Century, however, Sir Julian Huxley's International Union for the Conservation of Nature was pushing for the new designation of "wilderness": natural areas entirely off limits to people—zones of total depopulation. Hosting a March 2011 Royal Society of Arts speech by **Sir David Attenborough** on "overpopulation," Prince Philip recounted that in founding the WWF in 1961 with Huxley et al., he had made clear that the WWF should

1. See quote from Sir Hans-Joachim Schellnhuber in *EIR*, May 13, 2011, p. 22.

FIGURE 1



*The map shows the effects in Australia, 50 years into Sir Julian Huxley's campaign to designate much of the planet "off limits" to humans. The green areas are the highest value for official designation as "wilderness," which would ensure they are never developed, and the other shaded areas are being targeted to be turned back into wilderness. The targeted area is most of Australia! The targeting is explicitly set forth in the National Wilderness Inventory of the Australian Heritage Commission, working hand-in-glove with the Crown's International Union for Conservation of Nature.*

not promote nature as something to be enjoyed by people, but for its "own sake," separate from the "self-interest" of humans.

Since his arrival in Australia 30 years earlier, Francis Ratcliffe had incessantly promoted the establishment of national parks, particularly through the Australian Academy of Science's National Parks Committee. Ratcliffe's CSIRO colleague Max Day represented the Academy at the IUCN's inaugural World Conference on National Parks, held in Seattle in 1962. He returned to Australia just in time to be selected a member of the 1963 Provisional Committee that formed the ACF. In the ACF's first year of operations, Ratcliffe prioritized its enrollment as a member of Huxley's IUCN, and, underscoring the ACF's focus

FIGURE 2

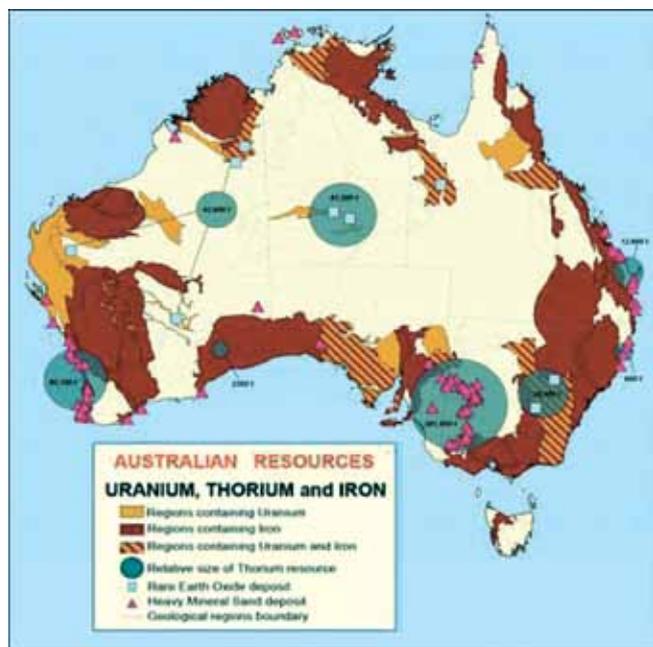


FIGURE 3



Australia is endowed with some of the richest deposits of mineral resources on Earth. Lock-up of the continent through wilderness reserve designations and other ploys aims to keep these resources from use for the good of the nation and humanity, allowing their exploitation only under control of the Crown’s minerals cartels.

on land sequestration, also tried (unsuccessfully) to recruit IUCN Secretary-General **Sir Hugh Elliott** as ACF director.

Elliott was recommended to Ratcliffe by **Derrick Ovington**, the first head of the Australian National University’s Forestry Department. Newly arrived in Australia from England, where he had led a section of the UK’s **Nature Conservancy** for 14 years under **Sir Arthur Tansley** (the inventor of the term “ecosystem”) and WWF co-founder **Max Nicholson**, Ovington would go on to become the first director of the **Australian National Parks and Wildlife Service (ANPWS)**. He was one of a number of British figures who moved to Australia to take up key leadership roles on behalf of Prince Philip’s new Green paradigm. Ovington’s successor as head of the ANPWS, **Peter Bridgewater**, was another, having been chief scientist for the Nature Conservancy before relocation to Australia. The ANPWS’s current successor organization, called the **Department of Sustainability, Environment, Water, Population, and Communities**, is still legally required to have its director appointed by the Governor-General, bespeaking the cardinal importance of national parks to the Crown.

As its first conservation task, the ACF undertook a comprehensive survey of national parks and reserves. Ratcliffe turned to **Dr. Geoff Mosley** to conduct the survey. A geographer, Mosley had grown up in the area of England’s first national park, known as the Peak District. To fund the survey, Ratcliffe approached Britain’s **Nuffield Foundation**, a major source of financing for eugenics programs, through his crony **Frank Fenner**, a member of Nuffield’s Australian Advisory Committee and a crusader against population growth. The Nuffield Foundation put up \$10,000.

Mosley continued his survey work for the ACF into the 1970s. When the Commonwealth government started the ANPWS in 1976, under the leadership of ACF Scientific Committee member Derrick Ovington, Mosley’s private survey work for the ACF provided the template for the ANPWS to carry on national park surveys, now under federal authority.

In its promotion of national parks, the ACF in 1969 played a leading role in stopping the Victorian government from developing the Little Desert region into farmland. The ACF also pioneered the now widespread practice of buying private land for nature reserves: In

1968 the ACF purchased private land to add to the Alfred National Park in East Gippsland, with funds raised by ACF Councillor **Sir Maurice Mawby**, the Managing Director of Conzinc Riotinto Australia (CRA), now Rio Tinto—the Queen’s own mining company. Mawby was chairman of the ACF’s Benefactors and National Sponsors Committee.

### Eradicate the ‘Plague’ ... of People

In the Nov. 23, 1970 issue of the Melbourne *Herald*, Prince Philip authored a full-page feature entitled “Wildlife Crisis: Every Life Form Is in Danger.” Under the subhead “Plague of People,” he declared: “The phenomenon now widely described as the population explosion means that the human race has reached plague proportions.” Upon assuming the presidency of the ACF a few months later, the Duke emphasized the importance of two conservation issues: national parks and population. The loudest early voices in Australia for population reduction were all “experts” associated with the ACF.

In 1969, Australian scientist and ACF enthusiast **Sir Frank Macfarlane Burnet**, head of the prestigious Walter and Eliza Hall Institute of Medical Research and a close friend of Ratcliffe and Prince Philip, had called for the world population to be cut from its then 3.7 billion down to 2 billion. Burnet epitomized the genocidal intent behind calls for population control: Department of Defence documents declassified in 2003 showed that in 1948, he had advocated preemptive biological warfare against Asian nations, to prevent their population growth from becoming a threat to Australia. That same year, working with future ACF leaders Ratcliffe and Fenner, he had overseen the release of the myxomatosis virus to eradicate rabbits. Useful as that was against rabbits, *Burnet now proposed to deploy biological warfare to wipe out human beings.*

In 1970, Fenner warned at an Australian Academy of Science symposium against the “damaging effects” of a growing population, and the destructiveness of technology in general. Other ACF so-called experts chimed in. In 1972, ACF Councillor **Dr. Graham Chittleborough** prepared a paper on population, in which he distinguished between a “maximum” population and the “optimum” population for the Australian continent, the latter being estimated by ACF founder Harry Frith and Barwick’s buddy Alec Costin, both of the CSIRO, to be 12 million. In 1973, the ACF made a formal submission to the National Population Inquiry, demanding

that Australia’s population be kept at the “optimum.” The submission was based on papers by Barwick, Chittleborough, Fenner, and future ACF president **H.C. “Nugget” Coombs**, a people-hater to rival Philip himself. Coombs once said, “The whole [human] species [has] become itself a disease.... [T]he human species [is] like a cancerous growth reproducing itself beyond control.”

## Case Study: Tasmania

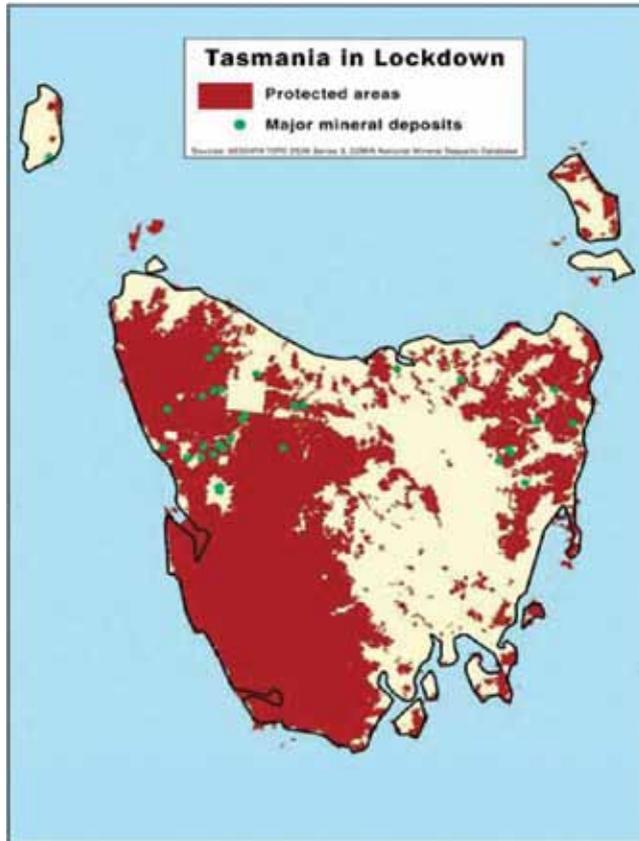
Tasmania today is a Green basket case. Over half of the state is locked up in a complex system of nature reserves, including Australia’s biggest declared wilderness area, in the Southwest (**Figure 4**). Green policies have decimated traditional Tasmanian economic activities such as forestry and agriculture, and it has the lowest population growth in Australia. It was in Tasmania, where he was a frequent visitor during the 1950s and 1960s, that Prince Philip incubated the modern Green movement.

Beginning in 1967, Tasmania-based members of the Australian Conservation Foundation lobbied the ACF Executive to get behind the campaign to stop the flooding of Lake Pedder in the state’s Southwest. The Tasmanian government of Labor Premier Eric Reece, “Electric Eric,” was committed to a three-stage plan to develop the Southwest for hydro power, which would have rivalled the Snowy Mountains Scheme for size, but at a third of the cost. The construction of Gordon Dam and the flooding of Lake Pedder were the first stage of the plan.

The “old boys” on the ACF Executive were wary about picking a fight with a strong state government, so they dragged their heels; but other sections of the ACF provided support: Assistant Director Geoff Mosley, who had divided his time between Canberra and Tasmania in 1960-63, while writing his doctoral thesis on Tasmania’s national parks, provided expertise to the campaign; Francis Ratcliffe and others helped set up the **Tasmanian Conservation Trust** in 1968, as a branch of the ACF; and in 1969 Sir Garfield Barwick wrote the first of many letters to the Tasmanian government, haranguing it to drop the development plans.

By 1971, various state governments were hitting back at Barwick’s Green activism, and his spectacular

FIGURE 4



*The Queen and her Royal Clown have removed over half the state of Tasmania from potential development by humans, through a system of wilderness reserves. Tasmania is one of the most mineral-rich regions in Australia, with world-class iron ore deposits.*

conflict of interest as the sitting Chief Justice and simultaneously President of the ACF. Commander **Michael Parker**, Prince Philip's former private secretary and equerry, who had joined the ACF as head of its Publicity Committee, brokered an arrangement whereby Barwick stepped aside in favor of Prince Philip. Barwick stayed on as a very active vice president.

At the 1971 ACF Annual General Meeting, his first one as president, Philip promised Tasmanian activists who had complained to him about the ACF Executive's having dropped Lake Pedder as an issue, that he would support further action. One radical activist, **Milo Dunphy**, later recalled how the Prince incited them by saying that "Australians should be ruder to their politicians" on conservation issues.

*Prince Philip thus set in motion the creation of the world's first Green political party.* A few months later,

in March 1972, Tasmania's Liberal Bethune government fell, and ACF member **Dick Jones**, a leader of the Lake Pedder Action Committee earlier encouraged by Prince Philip, formed the **United Tasmania Group (UTG)** to contest the state election. The UTG was the first political party in the world formed around Green issues. ACF members were its key leaders: besides Jones, ACF Councillor Milo Dunphy flew to Tasmania to co-direct the UTG's election campaign.

In 1974, these two ACF-spawned organizations merged into the **Southwest Action Committee** (renamed the **Tasmanian Wilderness Society** in 1976), at a meeting in current Sen. **Bob Brown's** house. This grouping also gave birth to global Green politics, after German Green activist **Petra Kelly** visited Australia in 1977 and observed the UTG firsthand.

### The 1970 Escalation

Lake Pedder also catalyzed a major shake-up of the ACF, under Prince Philip's personal supervision. Green fascism took a radical turn globally in 1970, with proclamation of the first Earth Day and an escalated push for population reduction. The Queen herself devoted speeches to environmentalism during that year. WWF co-founder Max Nicholson published his shamelessly titled *The Environmental Revolution: A Guide for the New Masters of the World*, in which he crowed that "Ducks Unlimited means Sovereignty Superseded."

Philip's desire for a more activist ACF was stymied by the majority of "old boys" on its Executive: a network of senior bureaucrats and businessmen, conditioned to working slowly through official channels. The well-connected people who had been essential to establishing the ACF now stood in the way of the radical Green activism unleashed with Earth Day.

Determined to radicalize the ACF, but from behind the scenes, Philip directed Commander Parker to organize a formal review of the ACF organization by international management consultants McKinsey & Company. He commissioned a second study to be done by none other than Nicholson, one of whose many jobs was as secretary, from 1963 on, to Philip's own **Duke of Edinburgh's Study Conference on the Countryside**. Nicholson came to Melbourne for several days to investigate.

Philip also encouraged the Tasmanian activists to continue to push the ACF Executive to act on Lake Pedder, thus increasing tensions in the organization.

His campaign led to publication in 1972 of a book titled *The Pedder Papers: Anatomy of a Decision*. In a foreword to that volume, Philip exulted: "The Lake Pedder case marks the end of Australia's pioneering days and it ushers in a new phase of conscious concern by all sections of the community for the long-term future of the natural and human environment." He concluded, "I very much hope that never again will Australians have cause to question so vehemently a decision on any conservation issue." The book's attack on the decision-making processes of the Tasmanian government marked a step away from the "scientific conservation" studies of the ACF's conservative backroom Ratcliffe era, towards more aggressive political engagement.

By the end of 1972, Lake Pedder had been flooded and the ACF Executive thought the issue was dead. Prince Philip's Tasmanian activists, however, had other ideas. They started campaigning for federal intervention to force the state government to reverse the flooding. Philip sided with the activists: In March 1973, he personally piloted the royal jet over Lake Pedder, accompanied by ACF Assistant Director Mosley and Hydro-Electric Commission Chairman Sir Allan Knight. A few weeks earlier, Tasmanian Premier Eric Reece had bluntly said that Prince Philip should butt out of Tasmania's affairs. When Philip met Reece at Government House in Hobart, Reece would not back down, and the ensuing shouting match behind closed doors reportedly could be heard throughout Government House.

In October 1973, the tensions within the ACF came to a head at the Annual General Meeting in Canberra, chaired by Prince Philip while on a royal tour with Queen Elizabeth. The 1973 AGM is known as the "coup," when the well-organized radicals voted out the unsuspecting old guard. (One member of the old guard they didn't wish to lose was Barwick: "Sir Garfield Barwick has made conservation respectable among the legal profession throughout Australia. We will need a sympathetic legal ear in the future," the minutes of a pre-coup radical planning meeting recorded.)

ACF historian Beverley Broadbent, who was present, noted that Prince Philip, who chaired the meeting, "obviously knew something was brewing." When Lake Pedder activist **Dr. Ian Bayly** was nominated against **Geoff Downes**, one of the ACF's founding vice presidents, Philip was "well able" to cite Bayly's qualifications. Those not aware that Bayly and Philip had cor-

responded extensively over Lake Pedder and the publication of *The Pedder Papers* would have been surprised that the Prince was so well briefed. As conservative Executive members were systematically voted out, one indignant Councillor demanded to know what was going on. "Prince Philip replied that he thought it would become clear to everyone shortly," Broadbent records.

A clear demonstration that Philip was in on the coup came when Bayly moved that Mosley be vaulted over the heads of numerous ACF staffers, and made ACF Director on the spot. Mosley was in Melbourne, having been ordered not to attend by Director **John Blanch**, who knew that Mosley was in the camp of the "radicals." Despite his personal acquaintance with Mosley, who had accompanied him on the Lake Pedder fly-over just months earlier, as well as assisting him in every meeting on the Lake Pedder issue, Philip pretended he didn't even know him. "Where is this Dr. Mosley?" he demanded. Informed that Mosley was in Melbourne, he ordered, "Then you had better get him here."

At 3:30 p.m., Philip claimed he had another meeting to attend, and stepped down from the chair, allowing the coup to proceed. The old guard was defeated on one motion after another. The *coup de grâce* came when Bayly read a letter from Mosley, threatening to leave the ACF if he weren't made Director. At that point the old guard realized that Mosley was part of the coup, and seven Councillors resigned forthwith and left the meeting. When some of the old guard met with Prince Philip at Government House later that day to express their concern at the radical takeover, the Duke's response was, "That's democracy." The press headline: "Prince Supports Radicals."

It is obvious that the British Mosley, a radical Malthusian zero-population-growth zealot and crusader for the "wilderness" concept of nature reserves, was the key man for the job of advancing Philip's agenda of Green Fascism. When Mosley arrived in Canberra later in the day, he galvanized the coup-plotters, some of whom were disappointed at the mass resignations of "respected" conservationists, to complete the task at the AGM's second day.

Prince Philip formally notified the new, radical Executive Committee that he intended to stay on as President, as if there were any doubt, but that they should not expect him to be out in the streets waving placards. UTG founder Dick Jones replied, "Don't worry about that, Sir, we've got plenty of people who will do it for you."

## Green Fascism Rolls On

The ACF went on to launch the Aboriginal land-rights scam, using indigenism to lock down far more land. The “father of Aboriginal land rights,” former central bank head **Nugget Coombs**, replaced Philip as head of the ACF, and by 1979, enough land had been turned over to “Aboriginal control,” that Coombs would start to agitate for a “treaty” between a presumably autonomous “Aboriginal nation” and the nation-state of Australia.

The Tasmanian events overseen by Prince Philip led to the establishment of the UTG, the Wilderness Society, and the **Australian Greens** political party, which is marching in lockstep with the ACF to dictate genocidal policies such as the carbon tax and the forced shutdown of the Murray-Darling Basin food bowl. They also led to the rise of Green parties around the world, beginning with Germany’s Green Party, formed after founder Petra Kelly toured Australia in 1977. In 1988, the ACF spun off an organization called **Sustainable Population Australia (SPA)**, dedicated solely to the reduction of Australia’s population—a cause which the ACF had taken up almost from its founding.

Sir Garfield Barwick continued to intimidate governments, in his dual capacity as Chief Justice and ACF Vice President. In 1975, acting on behalf of the Queen, he brought down Gough Whitlam, advising Governor-General Sir John Kerr to dismiss the Whitlam government, which had planned to “buy back the farm” and launch infrastructure projects throughout the country. In 1983, one year after Barwick retired from his record-setting stint as Chief Justice, one of the original aims of the ACF was realized, when the High Court he had dominated for so long tore up the Constitution, ruling that the federal government had the power to override state law and stop Tasmania from building the Franklin Dam.

Whitlam Environment Minister Moss Cass’s son Dan would join the ACF himself, and represent the organization at the 1992 Rio Earth Summit; eventually **Dan Cass** became a campaign manager for the Greens. In *The Age* of Dec. 10, 2010, Cass issued a chilling call for a global climate treaty enforceable by war, writing: “We only deserve to win if we are prepared to enforce climate security through trade sanctions or, ultimately, force itself.”

### EIR SPECIAL REPORT

## The True Story Behind The Fall of the House of Windsor

Reprints of EIR’s 1994-1997 groundbreaking exposés

What political battles lie behind the assassination of Princess Diana?  
Why do 22 out of 30 top terrorist groups have their headquarters in London?  
**EIR’s** series on the House of Windsor is indispensable for understanding today’s news.

**The Coming Fall of the House of Windsor**  
(Oct. 28, 1994)

**The Sun Never Sets on the New British Empire**  
(May 24, 1996)

**Britain’s “Invisible” Empire Unleashes the Dogs of War**  
(Aug. 22, 1997)

**Epilogue: Can the House of Windsor Survive Diana’s Death?**  
(Sept. 12, 1997)



**EIR** News Service <http://www.larouchepub.com>  
P.O. Box 17390 Washington, D.C. 20041-0390 Order number EIR 97-004 **\$50**

# Asteroid Impact Over Russia: SDE Proposal Grips the World

by Benjamin Deniston

*Feb. 17—In the Fall of 2011, it was leaked that Russian Deputy Prime Minister Dmitri Rogozin was proposing a joint U.S.-Russian effort to protect the planet from the threat of both nuclear missile strikes, and asteroid and comet impacts. By calling his proposal the Strategic Defense of Earth, Rogozin clearly reflected the Strategic Defense Initiative (SDI) program of Lyndon LaRouche, the late physicist Edward Teller, and President Ronald Reagan. LaRouche and his associates immediately responded in full support of an open technology-driver program for the defense of Earth in the spirit of the SDI.<sup>1</sup>*

*In contrast, President Barack Obama has continued his pursuit of a U.S./NATO strategic advantage over Russia and China, with the European ABM system and the “Pacific pivot,” driving the world towards thermonuclear war.*

*In immediate response to the asteroid impact over Russia on Feb. 15, 2013, Rogozin reiterated his proposal for cooperation, saying that neither Russia nor the United States presently has the capability to defend the Earth from these threats, and there needs to be an*

*international effort. He cited the key roles of Russia, the U.S., China, and Europe. Prime Minister Dmitri Medvedev has reportedly tasked Rogozin to put together a program for both detecting threatening objects in advance, and ensuring they don’t hit the Earth.*

*The chairman of the Russian State Duma International Affairs Committee, Alexei Pushkov, called for an international effort to defend the Earth from asteroids, saying, “Instead of creating a (military) European space defense system, the United States should join us and China in creating the AADS—the Anti-Asteroid Defense System.”*

*With each passing day more political and scientific officials are demanding action on this cosmic issue.*

The world is buzzing with coverage of the meteorite impact, with the force of a thermonuclear warhead,<sup>2</sup> over an industrial region of the Ural Mountains in Russia on Feb. 15. But there is a fundamental question missing from most of the coverage.

Why did this meteorite explode over the Earth? The impact is not just a consequence of a cosmic event. Scientists, military officials, and even some politicians

---

1. LaRouchePAC and EIR have been unique in seriously covering this proposal. For example, see Benjamin Deniston, “As World War Threatens, Russia Proposes SDE,” *EIR*, Nov. 25, 2011; Rachel Douglas, “Strategic Defense of Earth: Russia To Put SDE at Top of Agenda,” *EIR*, May 4, 2012; Benjamin Deniston, “The Thermonuclear Option: Extinction or Existence,” *EIR*, May 25, 2012; and the LaRouchePAC [interview](#) with Russian space agency (Roscosmos) chief Vladimir Popovkin, on May 27, 2012.

---

2. The official estimates released by NASA are that the object (which can be called either a tiny asteroid or a meteor) was 17 meters in diameter, weighed 10,000 tons, and released the same amount of energy as 500 kilotons of TNT, 30 times more powerful than the bomb dropped on Hiroshima during World War II, and about the same power as the larger of the thermonuclear warheads arming the U.S. standard Trident missiles.

have been warning about the danger of asteroid and comet impacts for decades, and the fact that this meteorite was able to blindside planet Earth is a consequence of the failure of the economic and strategic policies of the past three decades, as much as anything else. For example, if the SDI program, specifically as proposed by LaRouche (and supported by Teller and Reagan)<sup>3</sup> had been adopted, there is no doubt that the technological spinoffs would have enabled mankind to, at this point 30 years later, deal with threats like the meteorite that impacted Russia.

While much of the media is now reacting to this impact from the standpoint of practical responses which fit within the current political-economic framework, the significance of this special delivery from the Solar System is that it expresses the failure of the current paradigm.

In response to the recent meteorite impact, LaRouche stressed that mankind has lost three decades of progress, and that is the issue that must be addressed. The current lack of the necessary means to defend Earth expresses the failure of the three combined Presidential terms of the two Bushes, and the even worse Presidency of Obama. At this point, the only way to develop the necessary capabilities to truly defend Earth is with a full-scale, international science-driver program. NASA must be unleashed on a scale not seen since Apollo, in a collaborative program with Russia, China, and other nations, to develop the technologies and space infrastructure needed to fundamentally increase mankind's capabilities in the Solar System. To get to the heart of the issue, the mission to develop an operational capability on Mars, along with the entire range of space-based infrastructure required to permanently expand civilization's capabilities in space, is the best possible way to ensure the defense of Earth.

The thermonuclear-sized explosion that hit Russia without warning, on the very same day that the asteroid

FIGURE 1  
**NASA Estimates of Near-Earth Asteroid Population by Size Range\***

Size Range (Diameter in Meters)	Estimated Population	Number Discovered	Percentage
0-30	11.5 million	~1150	0.01%
30-100	500 thousand	~1950	0.40%
100-300	21 thousand	~2100	10.00%
300-1,000	4800	~2400	50.00%
1,000 and larger	904	~850	94.00%

\*As presented by Lindley Johnson in May 2012.

2012 DA14 made the closest pass to Earth ever witnessed for an asteroid of its size, has now put this imperative in clear focus.

### The Challenges Posed on Feb. 15, 2013

Start with the undeniable and obvious lessons from these two events.

First, the impact in Russia came without warning, literally out of the blue. Part of the difficulty was that it was approaching the Earth from the direction of the Sun (coming out of the morning sky), which makes it harder to detect—but that is not the whole story. The particular size poses a unique challenge because of the difficulty of seeing objects that small over astronomical distances, and because of their great number. As of 2012, NASA estimates that there are over 11 million near-Earth asteroids less than 30 meters in diameter. Only about 1,150 have been found. That leaves 99.9% of these small objects yet to be discovered.

The object that struck Russia, at about 17 meters in diameter, expresses a very important physical boundary. Any smaller, and it would not have grabbed headlines around the world. A little bigger, and a large number of people would have been killed, and the city of Chelyabinsk could have been leveled. So this size provides an useful lower boundary for the size of near-Earth objects that need to be discovered and tracked (**Figure 1**).

While this impact grabbed the world's attention, the big event that day was supposed to be the flyby of asteroid 2012 DA14, which serves as a perfect example of the second aspect of the challenge. Being three times larger—about 40 meters across—DA14 would have delivered a much larger blast if it had struck the Earth. For reference, DA14's size is comparable to the asteroid or comet fragment which is believed to have struck the uninhabited Tunguska region of Siberia in 1908, leveling

3. It is important to emphasize that Reagan personally was fully committed to the LaRouche-Teller concept of the SDI, as an open technology-sharing program with the Soviet Union, based on developing "new physical principles" associated with laser and beam systems, and not part of an offensive program. Further documentation of this has been presented in recent declassifications. For example, see the book review by Jeffrey Steinberg, "President Reagan Was Fierce Opponent of Mutually Assured Destruction Doctrine," *EIR*, April 29, 2005.

trees over an area of 2,000 square kilometers. If this had hit over any major city, the result would have been more than broken windows and minor injuries; millions could easily have been killed in a matter of minutes.

DA14 was only discovered one year before it made its close pass. With present technologies, this would not have been enough time to deflect the asteroid if it had been on an impact trajectory.<sup>4</sup> If the warning time is significantly longer, preferably a decade at minimum, some experts believe it would be theoretically possible to stop asteroids of a certain size from impacting the Earth, although no concrete program has been implemented, and many experts stress that the technologies still need to be developed and tested.

Feb. 15, 2013 was about as close a warning as possible without causing a disaster. If the meteor over Russia had been a little larger, or if 2012 DA14 had a slightly different orbit, the consequences would have been tragic.

### **Flying Blind**

An array of practical responses is now being discussed in response to this recent cosmic intervention. Some of these are already in the process of being developed, and others are longstanding proposals. Most of the individual systems provide important and even critical improvements, but alone or together, they do not meet the challenges defined by the events of Feb. 15. While these systems are important as aspects, nations must start from a comprehensive approach to the challenge.

Currently, NASA has not been given the mission to systematically find near-Earth asteroids of this size range. In the 1990s, Congress told NASA to find 90% of the large near-Earth objects (NEOs), measuring 1 kilometer and larger (which was completed recently). This led to a modest but successful series of dedicated observation systems, with the LINEAR and Catalina Sky Survey programs leading the way in finding these large asteroids. In the NASA Authorization Act of 2005, Congress ordered NASA to find 90% of the near-Earth asteroids, at sizes down to 140 meters, by 2020. Based on the current observation systems, and any others currently being funded or built, the authoritative National Research Council report “Defending Planet Earth”

4. For analysis of warning time requirements, see the comprehensive report, “Defending Planet Earth, Near-Earth Object Surveys and Hazard Mitigation Strategies,” by National Research Council’s Committee to Review Near-Earth-Object Surveys and Hazard Mitigation Strategies, published in 2010.

shows that the 2020 goal will not be met (see **Appendix 1** for analysis of the 140-meter target).

In addition to NASA, there are other institutions making efforts to find potentially threatening asteroids, and studies of how to possibly defend the Earth from an impact. These include the SpaceGuard alliance, the NEO Shield program, the United Nations Working Group on Near-Earth Objects, extensive amateur efforts, and more. However, to the best knowledge of this author, there is presently no national or international mission to systemically find the asteroids down to a size of 20 or 30 meters, and to develop the capability to ensure they don’t impact the Earth.

At a NASA press briefing following the impact in Russia, a NASA/JPL (Jet Propulsion Lab) official was asked where the United States stands on finding and defending against objects of this size. He could only restate NASA’s current mandate, “defending the Earth against tiny asteroids such as the one that passed over Siberia and impacted there is a challenging issue that is something that is not currently our goal.”<sup>5</sup>

It must be emphasized that this is not the fault of NASA. Anyone claiming that this is NASA’s fault is ignorant of the basics of how the U.S. government functions. NASA does what it is told to do, and does it well; but it has not been tasked to do this, nor has it been given the funding required to do what it has been asked to do. Because of this, other initiatives are being pursued to find the hundreds of thousands of neighboring asteroids which could pose a threat to the Earth.

Perhaps the best and most promising is the Sentinel Mission of the B612 Foundation. A non-profit started by a group of scientists, including former NASA astronauts Ed Lu and Rusty Schweickart, B612 is focused on defending the Earth from asteroids; they announced last year that they are attempting to raise private funding to launch an infrared space telescope to get a better reading of the asteroid population. The mission is to place the telescope closer to the Sun, in an orbit like that of Venus, where it will have a better view of the asteroids that can’t be easily seen from the Earth because of the glare of the Sun.<sup>6</sup>

5. See the Feb. 16 [Space.com](http://Space.com) article by Mike Wall, “Russian Fireball Won’t Be Last Surprise Asteroid Attack.”

6. An infrared space telescope in a Venus-like orbit has been recognized as a high priority for planetary defense for years. It was included in the recommendations provided by the NASA Ad-Hoc Task Force on Planetary Defense, which submitted their final report in 2010. No NASA funding has been provided for this project.

Scheduled to be launched in 2018 (if the \$450 million private funding can be raised), the Sentinel Mission would take a huge step toward locating the population of near-Earth asteroids, but would still fall short of the challenge posed on Feb. 15. Over 500,000 new asteroids would be expected to be found by such a mission, including more than 50% of the near-Earth asteroids about 40 meters across (the size of 2012 DA14), according to B612's analysis. This would be a crucial component of a real Strategic Defense of Earth system, but it still would miss the other half of these 40-meter asteroids, and even more of the smaller ones, down to the size of the 17-meter object that exploded over Russia this past week. Although this is a very worthwhile effort, global security should not have to rely on philanthropists (see box).

## Active Defense

Developing a map of the asteroid population is one aspect of the challenge, but we must also develop the capability to stop these space rocks from impacting the Earth. Most of the recent focus has been on how to deal with larger asteroids, and concern with scenarios involving very long warning times. As of the time of the impact in Russia, the challenge of stopping smaller objects with shorter warning times was not even on the agenda of the U.S. government.

The most that NASA has been able to do to address these threats, is to provide \$5 million for the telescopes of the Asteroid Terrestrial-impact Last Alert System (ATLAS) project, which would be able to provide one week warning time before the impact of an asteroid the size of DA14 (less time for smaller objects; more time

## Insane Priorities

Throughout his Presidency, Barack Obama has continued an offensive strategic policy against Russia and China. The development of the NATO ABM system in Europe and the "Pacific pivot" have forced military and strategic posturing not seen since the Cold War. At the height of these tensions, on Feb. 15, 2013, the Solar System delivered a message: Planet Earth will be wiped out if we continue in that direction; that is, if we don't destroy ourselves with thermonuclear warfare first.

A particular example of these inverted priorities is the refusal to share military data with civilian scientists. Longtime asteroid expert Clark Chapman, and former Apollo astronaut turned planetary defense expert Rusty Schweickart, have called for the data from military satellite systems to be released to the scientific community to aid science and the defense of Earth.

As reported in an article on Space.com ("Russian Meteor Fallout: Military Satellite Data Should Be Shared," by Leonard David, Feb. 18, 2013), Chapman wrote, "The satellites that monitor the skies around the world for missile launches also detect brilliant incoming meteoroids, including startling events much smaller than the Chelyabinsk bolide. . . . In the past, these data have been partly withheld from

the scientific community. They should be released immediately, while scientists, emergency management officials, and others are trying to understand what has happened, where people might have been hurt, and where valuable meteorites might be found."

Schweickart stated, "There's no question that data sharing here is critical. . . . We need to learn as much as possible from these incidents, and without jeopardizing any legitimate national security consideration, what they have should openly be shared with the rest of us."

These assessments are corroborated in the 2010 National Research Council report, "Defending Planet Earth," in which it is stated, "U.S. Department of Defense satellites have detected and continue to detect high-altitude airburst events from NEOs [Near-Earth Objects] entering Earth's atmosphere. Such data are valuable to the NEO community for assessing NEO hazards." The report recommends that "data from NEO airburst events observed by the U.S. Department of Defense satellites should be made available to the scientific community to allow it to improve understanding of the NEO hazards to Earth."

A full-scale Strategic Defense of Earth program will only work if the most advanced technologies and science are shared and applied to the challenges facing all mankind in an international effort. This was a key feature of the SDI which Dr. Edward Teller and Lyndon LaRouche fought for.

—Benjamin Deniston

for larger ones), giving enough time for evacuation. Although this is an obvious part of a layered defense system, mankind deserves much better than this alone.

DA14 is a useful example. Discovered only one year before its extremely close flyby (beneath our communications satellites), if it had been on an impact course, there would not have been enough time to mount an effective defense. Most studies of asteroid deflection indicate that it would require many years, and ten years is often cited as a preferable minimal amount of warning time, since the deflection mission would need to be designed, built, launched, and actualized. While better observation systems will help to provide longer warning times, the ability to defend mankind from an asteroid of 25 or 30 meters across, coming in with a very short warning time, has been shown by the recent events to be critical.

The only active NASA-supported study attempting to address this, is being funded by a small grant provided by the NASA Innovative Advanced Concepts program. Prof. Bong Wie, the director of the Asteroid Deflection Research Center at Iowa State University

(see box), has been provided funding for his team to study the challenges of intercepting small asteroids, when there is only few months to a few years of warning time. Because short warning time usually translates into very fast intercept speeds, and due to the small size of the target, there are still significant difficulties to be worked out (for example, trying to hit a 100-meter target traveling at 40,000 miles per hour). Obviously, the smaller the target and shorter the warning time, the more difficult the challenge becomes. This particular study, while important, does not address objects below about 40-50 meters, or extremely short warning times, such as weeks or a couple of months.

Bottom line, the United States government has no active program to stop impacts like the one that occurred in Russia, and only a tiny amount of funding going into a study that might be able to deal with objects of the size of 2012 DA14—that is, if they happen to be discovered with enough warning.

Another option that has resurfaced in response to the events of Feb. 15, is the potential use of directed-energy systems, such as lasers, to move or vaporize

## Interview: Hypervelocity Asteroid Deflection

NASA, under its Innovative Advanced Concepts program, is providing a limited amount of funding to solve the challenges of intercepting small to medium-size asteroids at very high speeds, and when there is minimal warning time available. This research is being led by Bong Wie (Iowa State University) and Brent Barbee (NASA Goddard Space Flight Center), with their “Hypervelocity Asteroid Intercept Vehicle” concept, a two-part spacecraft, designed to operate at very high intercept speeds, utilizing a thermonuclear explosive device to break apart the threatening asteroid.



Wie and Barbee were interviewed by LaRouchePAC at the Fall 2012 NASA Innovative Advanced Concepts (NIAC) Symposium, Nov. 14-15, 2012, held in Hampton, Va. (See, *EIR* Nov. 30, 2012, or [www.LaRouchePAC.com/node/24563](http://www.LaRouchePAC.com/node/24563) for the video.)

FIGURE 2

**Planetary Defense Technology Is Decades Behind**

	<b>Propulsion Systems</b>	<b>Deflection/Destruction Options</b>
<b>Available in 1992</b>	<ul style="list-style-type: none"> <li>⤴ Chemical rockets</li> </ul>	<ul style="list-style-type: none"> <li>⤴ Nuclear explosives</li> <li>⤴ Kinetic impact</li> </ul>
<b>Development by 2012</b>	<ul style="list-style-type: none"> <li>⤴ Nuclear rockets</li> <li>⤴ Electric propulsion (solar and nuclear)</li> <li>⤴ Mass drivers</li> </ul>	<ul style="list-style-type: none"> <li>⤴ Nuclear rockets as thrusters</li> <li>⤴ Lasers</li> <li>⤴ Hypervelocity penetrations</li> <li>⤴ Brilliant darts</li> </ul>
<b>Development beyond 2012</b>	<ul style="list-style-type: none"> <li>⤴ Hypervelocity lunar launch</li> <li>⤴ NEO defense in Earth orbit</li> </ul>	<ul style="list-style-type: none"> <li>⤴ DHe3 fusion driver</li> <li>⤴ Anti-matter</li> </ul>

*In 1992, Edward Teller and other veterans of the SDI project participated in an international workshop at Los Alamos National Laboratory, on defending the Earth from near-Earth asteroids. One objective of that workshop was to assess what general categories of technologies were available at the time; what could be developed within the next two decades (by 2012); and what might be available later. Even though this assessment was a step down from the technological goals of the SDI, the baseline technologies employed today are barely beyond those of 1992, as seen in this representation of their table.*

Source: Workshop Summary, "Assessment of Current and Future Technologies, Proceedings of the Near-Earth Object Interception Workshop," Los Alamos National Laboratory, N.M., Jan. 14-16, 1992, pp. 225-34. Published February 1993; D.G. Rather, G.J. Canavan, J.C. Solem; Sandia National Labs, Albuquerque, N.M.

threatening objects.<sup>7</sup>

Serious studies of the applicability of lasers to defend the Earth go back decades. Dr. Claude Phipps, a 30-year veteran of Lawrence Livermore and Los Alamos laser work, presented a number of studies throughout the 1990s on the potentials for laser-deflection of asteroids and comets. More recently, a team working with UC Santa Barbara physicist Philip Lubin has presented its concept of the space-based Directed Energy Solar Targeting of Asteroids and Exploration (DE-STAR) system, which they claim could be used to vaporize threatening asteroids. However, this is still just a concept, and the designs are based on solar energy as the power source. Nuclear reactors inherently provide a much denser and greater power source, although their utilization in space has been long delayed.

The speed of laser systems could provide a significant advantage for dealing with the challenges of small asteroids with short warning times (**Figure 2**).

**A Future-Based Response**

Despite the flurry of press coverage about possible responses to the recent cosmic events, there are certain

hard facts that must be recognized. First, as of this writing, there is no commitment from the U.S. government to systemically find the potentially threatening near-Earth objects, down to the size of either the one that exploded over the Ural Mountains in Russia, or DA14, which passed beneath our communications satellites the same day. Second, if we happen to get lucky and discover an asteroid a short time before it hits, there is no existing capability that would stop that impact from occurring.

What has been presented so far is only a brief overview of the specific challenges posed by the two events of Feb. 15. There are many other aspects to the challenge, some easier, others more difficult.

For example, the threat of long-period comets is usually completely left out of consideration, because they are less frequent, and pose challenges well beyond the capabilities of our current systems, requiring that we look very deep into the outer Solar System.

As LaRouche has stressed, the recent failure to defend the Earth is an expression of 30 years of lost time. The events of Feb. 15 demonstrate that mankind is running far behind the scientific and technological capabilities that we need to defend life on Earth. This will not be solved by taking proposals that were on the table yesterday, and trying to use the recent events as the excuse to get them through. Programs have to be enacted which make up

7. For example, a laser applied to the surface of an asteroid can vaporize the material over a small section, creating a thrust which can alter the asteroid's orbit over time.

for decades of lost time, making the focus on developing Mars as a Solar System outpost an absolute necessity.

The question is, whether three generations from today, people will look back and recognize this point as a time of change, as a great wake-up call for the inhabitants of our planet, when nations adopted a fundamental change in policy, and took up an international science-driver effort for the Strategic Defense of Earth as the new priority for mankind.

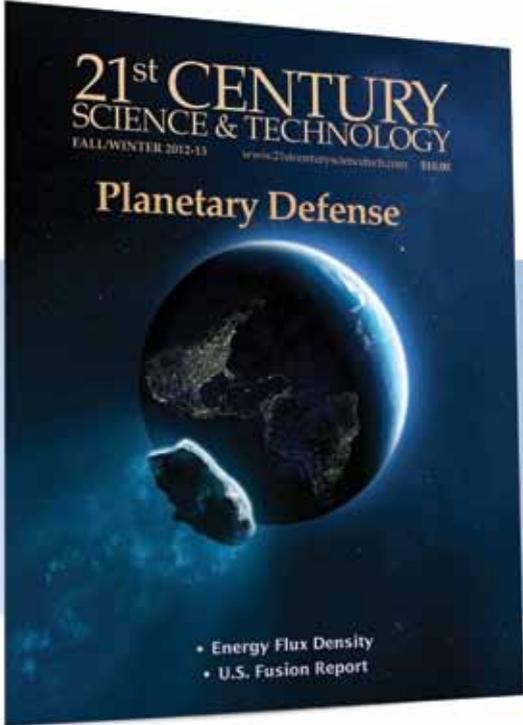
*Benjamin.Deniston@gmail.com*

APPENDIX I

**Comparison of Different Options for Finding 90% of Near-Earth Objects 140 Meters Across and Larger**

Project	Location	Years to discover 90% of 140 meter NEOs	Years to Build Project	Status
Catalina Sky survey	Arizona and Australia	Can't achieve 90%	Already operational	Already operational
Lincoln Near-Earth Asteroid Research	New Mexico	Can't achieve 90%	Already operational	Already operational
Discovery Channel Telescope	Arizona	Can't achieve 90%	?	Not fully funded
Panoramic Survey Telescope and Rapid Response System 1 (PS1)	Hawaii	Can't achieve 90%	1	Funded by Air Force
Panoramic Survey Telescope and Rapid Response System 4	Hawaii + other locations	Can't achieve 90%	5	Not fully funded
Large Synoptic Survey Telescope (LSST)	Chile	12-17 years	10	Under current funding full operations begin in 2022
Space-based infrared telescope	L1/L2	11	5	No funding
Space-based visible telescope	L1/L2	16	6	No funding
Space-based infrared telescope	Venus	7.5	5	B612 private initiative
Space-based visible telescope	Venus	7	5	No funding
Combined space-based infrared and PS1	Venus and Hawaii	5.5	5	No funding
Combined space-based infrared and LSST	Venus and Chile	3-4'	7	No funding

All information is taken from the 2010 National Research Council report, "Defending Planet Earth," the only exceptions being the updated information on the status of the Large Synoptic Survey Telescope (LSST), from the NRC'S website, and the 2012 announcement of the non-profit B612 Foundation, that it is raising funds to build and launch a space-based infrared telescope into a Venus-like orbit.



INSIDE THE FALL/WINTER 2012-13 ISSUE

### Planetary Defense

- Threat Assessments
- Observation Systems
- Deflection and the Energy-Flux Density Factor

### Conference Report

International Global Monitoring Aerospace Systems

### Interviews

Brent Barbee and Bong Wie, Vladimir Popovkin, Claudio Maccone, Anatoly Koroteyev, Stanley Borowski, John Slough

**Online Subscription**

single issue	US\$10
4 issues	US\$35
8 issues	US\$60
12 issues	US\$80

[www.21stCenturyScienceTech.com](http://www.21stCenturyScienceTech.com)  
 21st Century, P.O. Box 16285, Washington, D.C. 20041

# Russia's Rogozin Again Proposes SDE

The Russian daily *Izvestiya* reported Feb. 21 that Dmitri Rogozin, Russia's Deputy Prime Minister in charge of the defense industry, space, and nuclear power, has written to Prime Minister Dmitri Medvedev, proposing that Russia join with other countries, especially the United States, to develop the Strategic Defense of Earth (SDE). It was Rogozin who first publicly proposed the SDE in 2011. The SDE is an updated version of Lyndon LaRouche's SDI (Strategic Defense Initiative) proposal of the late 1970s, adopted by President Reagan on March 23, 1983, almost exactly 30 years ago.

Rogozin "proposed to establish an international system of anti-asteroid security for the planet," *Izvestiya* wrote.

"According to Rogozin, two asteroids are of particular danger to Earth. Apophis (aka 2004MK4) in 2029 may come closer to our planet than 35,000 km, and how it will approach the Earth in 2036, is still unknown. Asteroid 2011AS5, diameter 140 m, in 2040 will approach Earth at a distance of 3,200 km. To be protected from cosmic catastrophes, the Deputy Prime Minister proposes to use the resources of the Military-Industrial Commission under the Government to work out proposals for the creation of an international anti-asteroid system.

"The asteroid that fell in Chelyabinsk Feb. 15 of this year, we could not detect in advance by the existing Roscosmos means. 'Finding space objects of this class is not being done by the military space surveillance systems of Russia and the U.S.A.,' Rogozin said in a letter to the Prime Minister. The Roscosmos system for detection of hazardous celestial objects can track space debris in the orbits of satellites, in the range of 200 to 5,000 km from Earth.

"The Deputy Prime Minister said that in the frame-

work of the Committee on the Peaceful Uses of Outer Space, the UN has often considered the proposals of Russian specialists on setting up an International Aerospace System for Global Monitoring. He recalled that in 2011 he had already reported to Medvedev on the appropriateness of Russia's making an initiative to create a 'Strategic Defense of the Earth.'

"The scale of the problem will require a concentration of global resources. It can only be solved by combining the scientific and technical potential of Russia, the U.S., and other leading countries. Creating such a system, according to Rogozin, would simultaneously find a way out of the confrontation between Russia and the U.S. in the field of missile defense. 'The deployment of broad international cooperation on the basis of such a large-scale program would help build confidence between the two countries and discourage confronta-

tional tendencies,' says Rogozin...."

Then, on Feb. 22, Russia's Itar-Tass news agency reported remarks of Prime Minister Medvedev published in Brazil's *O Globo* that day under the headline, "Chelyabinsk meteorite is lesson for mankind—Medvedev."

"The meteorite that fell near Chelyabinsk is a lesson to all mankind. It is necessary to look together for ways to withstand the forces of nature," Medvedev was quoted saying.

"'Human civilization is self-assured. We believe that we make wonderful machines, create beautiful buildings, produce weapons. On the whole, human civilization is developing. And at the same time, it turns out that we are quite vulnerable. And fantastic stories often offered by Hollywood blockbusters are not just fantasy. We really live in space, and various unexpected things can come from space,' the premier said.

"'It is a lesson,' he believes. 'We are very glad that nobody died, though the explosion of the fireball was of immense power. It took place at some altitude, but fragments flew to us. It could have ended much worse. So, it is such a lesson for mankind, and one more reminder that only together we can cope with some threats to mankind. Most likely, there is no effective



Creative Commons/A. Savin

Dmitri Rogozin

protection at present, but we must think this over. What can we present against the forces of nature? It will take money and our joint work,' the Russian prime minister noted."

---

## Russians Respond

---

# Calls for Cooperation On Space Threats

Feb. 23—Russian government and scientific institutions have responded to the Feb. 15 Chebarkul meteor explosion and the near-Earth asteroid flyby of the same day with specific ideas to address the asteroid threat.

In addition to statements by Deputy Prime Minister Rogozin and State Duma International Affairs Committee chairman Pushkov, cited above, other high-level government and scientific figures are speaking out. For example:

- On Feb. 18, Lidiya Rykhlova of the Russian Academy of Sciences Institute of Astronomy described a 58-billion-ruble (approximately \$2 billion), ten-year program for asteroid defense, proposed by the Russian Academy of Sciences in 2010-2011. Rykhlova said that the program has been approved by the Russian Space Agency, Roscosmos, and now "it is on Rogozin's desk." She said that Russia is aiming to establish one or two telescopes dedicated to finding asteroid threats.

- Nikolai Patrushev, the secretary of the Russian Security Council, in a Feb. 20 interview with the government daily *Rossiyskaya Gazeta*, also discussed the Chebarkul meteorite and the asteroid threat in general. He called for international cooperation on this issue, and raised the challenge posed by long-period comets:

"We put this question on the agenda for discussion at the III International Meeting of Senior Security Representatives, in June 2012 in St. Petersburg. The Russian Security Council has repeatedly proposed to develop an Intergovernmental Targeted Program to counteract space threats associated with the asteroid and comet danger and the build-up of space trash. . . . Comets may also present an even greater danger, since their velocity as a rule is greater than that of asteroids, reaching several tens of km/sec. The great majority of

known comets have very elongated elliptical orbits, so the task of forecasting their appearance and trajectories is extremely complex. At present, the only comets that can be considered accessible for observation and threat evaluation for a collision with Earth are short-period comets with orbits within the Solar System."

- Another important call for international cooperation came Feb. 20 from Konstantin Tsytko, representative of the Chelyabinsk Region in the Federation Council, Russia's upper house of Parliament, who called for a heads-of-state summit. He addressed the "economic consequences not only in Russia, but also worldwide," stating that "both the Russian government and the international community are paying special attention to the asteroid threat and the need to protect the planet Earth as a whole from the dangers that space objects pose."

Referring to the Chebarkul meteorite, Tsytko said, "I think it will result in increased investments in science and technology that can provide early warning or will affect asteroids, meteors, and comets, so they will not reach the Earth. . . . It would be logical to hold an international conference with the participation of heads-of-state to discuss the problem of an asteroid threat to Earth. Chelyabinsk is the first city in the history of our civilization that has survived a space attack."

- Also on Feb. 20, RIA Novosti reported that Russia's Aerospace Defense Forces have been given the task of defending against objects descending from space. "The Aerospace Defense Forces have been ordered to handle this issue and come up with a plan to protect Russia from these 'space travelers,'" said Maj. Gen. Igor Makushev, aviation commander for the western Military District.

"None of the existing systems, either Russian or American, detected this space object until it entered the atmosphere," Director of the Astronomy Institute of the Russian Academy of Sciences Boris Shustov said Feb. 20. Shustov said that astronomers have discovered and catalogued only 2% of potentially dangerous space objects about 50 meters in size, which are capable of causing a catastrophe worse than the 1908 Tunguska Event, the largest such incident in recorded history. It was believed to be caused by the explosion of a meteor or comet over central Russia. "It is a sign of our ignorance, since we should be able to monitor about at least 90%, if not all of these objects," Shustov said.

# Planetary Defense and Energy-Flux Density

by Benjamin Deniston

Mankind is battling an array of natural disasters which continually pose a threat to life on this planet. Thanks to advancements in satellites and weather monitoring systems, our ability to forecast major storms and other extreme weather events is improving. Progress is being made in developing earthquake forecasting systems, designed to detect precursor signals which can provide early warnings before seismic events.<sup>1</sup> Even our Sun is being watched and analyzed more closely than ever, in an attempt to forecast “space weather” events and their effects on the Earth. However, there is another class of events that can not only be foreseen, but can be stopped from ever occurring. Asteroid and comet impacts represent a unique challenge, as we can take the necessary actions to see them coming, but also to ensure the Earth is never again struck in a catastrophic event. While it is likely that we will be able to control storms and certain extreme weather events in the not-too-distant future (if appropriate scientific/economic programs are pursued), for now asteroid defense can hold the title of the only currently preventable natural disaster.

But what are the factors determining our ability to defend the planet, and how can these limits be expanded? In defending the Earth from impacts, there are many possible scenarios we could face: a relatively small near-Earth asteroid on a short-term collision course, giving us little time to act; a large asteroid threatening a possible impact in a few decades, proving more time to act, but proving a larger foe; a worst case scenario of a large long-period comet only months away; and any number of possible variations in between.

The first line of defense is clear: *early detection*. No matter how large the threat is, the more warning time we have, the better off we will be. While asteroid and comet

1. See, *IGMASS: Towards International Collaboration in the Defense of Mankind*, “Progress in Seismic Forecasting,” page 28, in this issue. See also, *Science Can Predict Earthquakes*, in the Winter 2011-12 issue.

Table 1

## The Energy Density of Fuels

FUEL SOURCE	ENERGY DENSITY (J/g)
Combustion of Wood	$1.8 \times 10^4$
Combustion of Coal (Bituminous)	$2.7 \times 10^4$
Combustion of Petroleum (Diesel)	$4.6 \times 10^4$
Combustion of $H_2/O_2$	$1.2 \times 10^5$ (only $H_2$ mass considered)
Combustion of $H_2/O_2$	$1.3 \times 10^4$ (Combined mass considered)
Typical Nuclear Fuel	$3.7 \times 10^9$
Direct Fission Energy of U-235	$8.2 \times 10^{10}$
Deuterium-Tritium Fusion	$3.2 \times 10^{11}$
Annihilation of Anti-Matter	$9.0 \times 10^{13}$

<sup>21st Century</sup>

*Energy densities for wood, coal, and petroleum, do not include the mass of oxygen required for combustion, since in their typical applications, it is simply drawn from the atmosphere. Values for hydrogen combustion are given with and without considering the mass of oxygen.*

detection systems have been discussed in other locations,<sup>2</sup> the subject here is our ability to act on this knowledge. This takes us beyond just asteroid or comets per se, to a general consideration of our power for action within the universe.

### Initial Considerations

To state the question in simple terms: 100 years ago we would have had no chance to defend the Earth from an asteroid or comet impact, while presently we have a limited ability to do so under certain circumstances, and in the future we could foreseeably develop the means to defend against threats currently outside of our defense

2. See, “Strategic Defense of the Earth: Observation Systems,” *21st Century Science & Technology*, Fall/Winter 2012-13.

capability—what determines these qualitative changes?

While there are countless important discoveries and technological innovations which have contributed to this process (and shouldn't have their importance dismissed), the subsuming role of *energy-flux density* will be considered here.<sup>3</sup> This can be illustrated in first approximation by comparing the energy densities of successive power sources.

The significance is not simply found in the increase in energy, but in the physical economic implications: fundamental changes in the human species' space-time relationship with the universe, where leaps from one level to the next define new (previously impossible) modes of action. As in transportation, for example, development of systems associated with successive fuel sources create fundamentally new possibilities. On the Earth's surface, the locomotive revolution was associated with coal-fired engines, whereas the internal combustion engine required the advancement to petroleum. Airplane flight depends upon the higher energy to weight ratios of petroleum, but rocket travel from the Earth's surface to orbit (and beyond) has demanded the most efficient chemical combustion reactions possible.

Although transportation is only one expression of a broader qualitative change, it helps to introduce the concept of transformations in the physical boundaries of mankind's action within the universe. Taking this investigation further, only the energy densities of nuclear fission, to a limited degree, but ultimately thermonuclear fusion and matter-antimatter reactions, can truly provide mankind with efficient and timely access to the Solar System, as this reality is expressed in basic fuel and mass limitations. For example, we can measure the ratio of the total starting mass of a spacecraft (including all of its fuel) to its final mass upon arrival at its destina-

3. "Energy-flux density" as specifically defined by Lyndon LaRouche, in his science of physical economics. For example, see, *So, You Wish to Learn All About Economics?: A Text on Elementary Mathematical Economics*, New York: New Benjamin Franklin Pub. House, 1984.

Table II

**Mass Ratio of Various Rocket Fuels**

MODE	FUEL	MASS RATIO	SPECIFIC IMPULSE (Seconds)
<b>Chemical</b>	O <sup>2</sup> /H <sup>2</sup>	15 to 1	4,300
<b>Fission</b>	Heating Hydrogen Propellant (at 2,700 K)	3.2 to 1	9,600
<b>Fission</b>	Heating Hydrogen Propellant (at 5,000 K)	1.5 to 1	25,500
<b>Fission</b>	Heating Hydrogen Propellant (at 20,000 K)	1.2 to 1	66,000
<b>Fission</b>	Direct Fission of Uranium-235	1.001 to 1	13,000,000
<b>Thermonuclear Fusion</b>	Fusion of Hydrogen Isotopes to Form Helium	1.0003 to 1	36,000,000
<b>Annihilation of Matter</b>	Matter-Antimatter Annihilation	1.00003 to 1	300,000,000

IAEA, LANL, 21st Century

*The mass/ratio values given here correspond to a particular trip made on an inertial (rather than continually accelerating) path. Changing the distance of destination and the desired acceleration rate would alter the values. For example, a three-day trip to Mars, undertaken with a constant acceleration and deceleration of 1-g, would give mass ratios of 1.007 for fusion, and an astronomical 1026 for chemical propulsion. Even 20,000K fission would have a mass-ratio of 50 for such an ambitious trip. Since constant acceleration also requires carrying all the fuel for the remainder of the trip, the fuel requirements increase exponentially with trip distance.*

tion (in other words, measuring how much of the initial mass is the fuel required for the trip), and then compare how this ratio changes for different fuel sources (mass ratio). Or, the specific impulse can be determined by comparing how long one pound of fuel can provide one pound of thrust.<sup>4</sup>

Beyond the consideration of the energy density of a fuel source for transportation, higher levels of energy-flux density have systemic effects for the entire economy. The transitions from the hydrocarbon-based economy to the nuclear economy, and the yet-to-be realized, but desperately needed, transition to the fusion economy, are premier examples.<sup>5</sup>

4. *The Role of Nuclear Power and Nuclear Propulsion in the Peaceful Exploration of Space*, IAEA, 2005; page 34, and Appendix VI (page 116).

5. For example, regarding mankind's entry into the nuclear age, see, "The Isotope Economy," J. Tennenbaum, *21st Century Science and Technology*, Fall-Winter 2006. Pertaining to fusion-related directed energy research see, "The Economic Impact of Relativistic Beam Technology," June 15, 1983; EIR Research Inc.

## Planetary Defense

For the asteroid and comet threats specifically, and ultimately the defense of all life on our planet, the ability to wield higher energy densities becomes crucial. We know for certain that there will be significant asteroid or comet impacts in the future. The question, then, becomes, will we take the necessary actions to deflect or destroy prospective threats before they hit?

This brings two interrelated aspects into focus: the energy required to influence the asteroids or comets themselves, and, even prior to that, the ability to reach the body in the first place.<sup>6</sup>

Moving spacecraft around the Solar System is not as simple as moving from location A to location B, because we are dealing with orbits within a gravitational field. For example, current missions to Mars can only be launched at specific times (about every 2.17 years). This is not to wait for the planets to be close in terms of distance across Euclidean space, but it is when the orbital relationships of Earth and Mars provide a least-energy orbital pathway between them. Because changing an orbit requires a change in speed, space travel is often discussed in terms of the change in velocity required (or **delta-V**).

In the case of a potentially threatening near-Earth asteroid, for example, when decades of warning time are available, a minimal energy trajectory can be determined to intercept the asteroid, and the launch date can wait until the trajectories of the Earth and the target reach the positions which provide that relatively low energy path.

However, when there is not sufficient warning time to wait for this optimal timing, then the energy requirements can quickly jump many fold.<sup>7</sup> This would then require more fuel, meaning either a heavier spacecraft to start with, or a greater proportion of an unchanged total mass going towards fuel, leaving less mass free for the spacecraft upon arrival. For chemical propulsion, with its inherently low energy density, this is problematic, and can easily become untenable. But, relative to any specific scenario, higher levels of energy-flux density inherently have the potential to provide a greater

delta-V. This underscores the need for more advanced propulsion systems, with fission playing a useful part, but a greater focus on the propulsion potential of fusion (while looking towards harnessing matter-antimatter reactions), in order to truly open up mankind's efficient access to the Solar System.

## Defense

When it comes to altering the path of an asteroid or comet to ensure it misses the Earth, various methods have been considered, and are often categorized into different types. For example, there are "slow-push-pull" methods, in which a small amount of force is exerted over a long period of time to slowly alter the path of the asteroid or comet, and there are "quick" methods, in which a large amount of force is applied over a short period of time.<sup>8</sup>

Relative to many of the asteroids or comets in question, even applying an intense burst of energy quickly may not amount to much of an effect. To use the example provided in the 2010 National Research Council report cited above, if we want to change the position of an asteroid by 2.5 Earth radii (enough to ensure it misses the Earth), this could be done by hitting the target with a kinetic impactor, to either speed it up or slow it down by a tiny amount (only 1 centimeter per second), if that speed change is induced *10 years* prior to the feared impact. The 10 year period is required for the small speed change to culminate in a large enough displacement of the target's future position. For certain medium-sized asteroids this is possible with current technologies, assuming we have a few decades of warning time.

If, instead of a kinetic impact, a gravity tractor were used, it would also have to begin exerting a small gravitational pull on the asteroid in question years to decades before the impact date (depending on the target's size), but in this case continuously applying its gravitational potential for the entire time, in order to ensure the asteroid misses the Earth.

As a function of the size of the asteroid in question and the amount of time available to act, different deflec-

6. Again, this is not to dismiss the crucial role of finding and tracking asteroids and comets long before they may become a threat. While that absolutely must be done, here we focus on the ability to act on that knowledge.

7. See, *Defending Planet Earth: Near-Earth Object Surveys and Hazard Mitigation Strategies*, page 80-84. National Research Council, 2010.

8. For a more detailed description of each of the following methods, and the particular benefits or limitations of each, see Chapter 4, "Preventing or mitigating an impact," of *Dealing with the Threat to Earth from Asteroids and Comets*, IAA, 2009 (pages 50 to 67); and Chapter 5, "Mitigation," of *Defending Planet Earth: Near-Earth Object Surveys and Hazard Mitigation Strategies*, National Research Council, 2010 (pages 66-88).

tion options can be compared together on one chart, showing their effectiveness for different time and size scenarios. Such comparisons have been done as part of comprehensive reports on planetary defense, such as the examples in the graphs on the following page.

These comparisons of mitigation options consistently show that nuclear explosive devices are the most powerful currently available, and, hence, the only option in the cases of short warning times or large objects. However, to see what can be done with new technological developments, we must look to the role of energy-flux density as the determining factor of various mitigation methods.

### Hypervelocity Kinetic Impact

The 1992 *Near-Earth Object Interception Workshop*, held at Los Alamos National Laboratory, brought together an array of specialists contributing to various aspects of the planetary defense challenge. Included in the proceedings was a study demonstrating that in certain scenarios, a kinetic impactor can actually match the deflection potential previously only thought achievable with a thermonuclear warhead, *but only when utilizing speeds achievable only by a variation of nuclear propulsion*. This hypervelocity kinetic impact was based on the famous Project Orion, a 1960s program to develop a spacecraft that would be propelled by a series of small nuclear bombs, released out the back of the ship and then detonated behind its “pusher-plate,” propelling the spacecraft. Although a fair amount of design and preparatory testing was done, Orion never got off the ground.<sup>9</sup>

9. Despite this, the general concept is still sound, and could even be advanced farther with current technologies.

### Slow-Push-Pull Methods

- 

**Gravity tractor**  
Using the mass of a spacecraft to gravitationally pull on the target
- 

**Attached thruster**  
Placing a thruster on the target, used to push it off course
- 

**Laser ablation**  
Using a laser to continuously vaporize a small area on the surface of the target, creating a thrust
- 

**Mass driver**  
An apparatus to throw the target's own material off its surface, pushing it away
- 

**Alteration of reflective or thermal properties**  
Painting or covering the surface of the target, changing its interaction with the Sun's radiation and very slowly altering its path
- ### Quick Methods

  - 

**Kinetic impact**  
Directly hitting the target with a spacecraft at a high speed
  - 

**Nuclear explosive device**  
Using a nuclear explosive to disrupt the trajectory of the target

This 1992 study ends with a specific scenario in which we would only have a short warning time, and our intercepting spacecraft could only be launched when the asteroid was only 17 hours from impact (at a distance of 1.5 million km). Comparing an Orion-like propulsion system and a standard chemical propulsion system, the author showed that the nuclear explosive propulsion design would be able to reach the target in less than 1/25th the time, and at a speed 85 times greater! As the author concluded, “the exceedingly high relative velocities provide sufficient kinetic energy to deflect these malignant astral bodies without resorting to an explosive warhead, nuclear or otherwise.”<sup>10</sup>

### Nuclear-Electric Propulsion

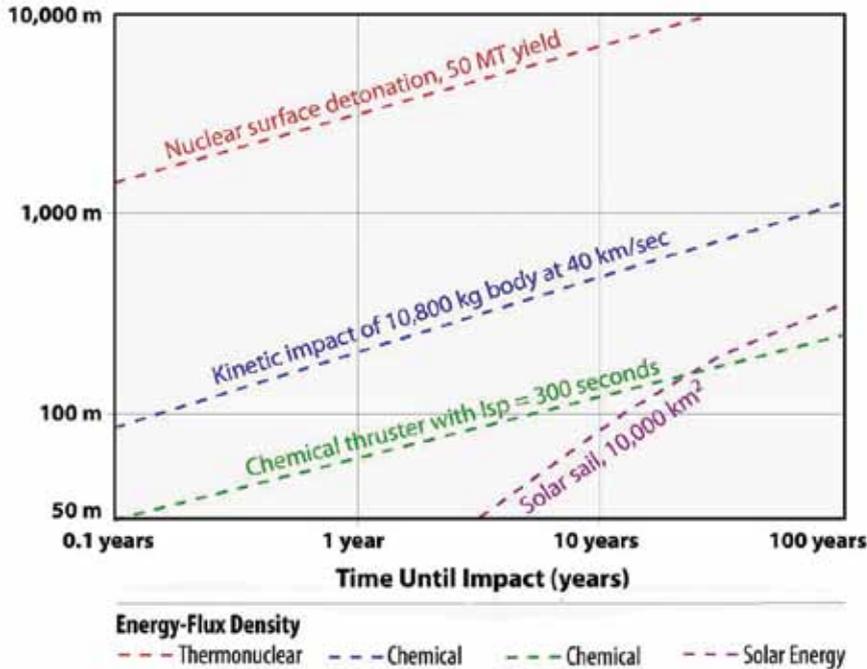
Currently Russia's Keldysh Center, Energia, and Rosatom are developing the first-ever megawatt-class electric spacecraft, using a small nuclear reactor to generate electricity to power an ion propulsion system. Despite the low thrust of electric propulsion, the very high specific impulse of this system and the ability for continuous propulsion throughout the mission expands our capability for rendezvous missions, for either mitigation (e.g. gravity tractor) or for science and characterization (determining what the asteroid or comet is made of). This will be a vast improvement over existing solar-electric propulsion systems, and entering megawatt levels of electricity generation in space will expand the number and power of scientific instruments available to spacecraft and satellites (current

specific impulse of this system and the ability for continuous propulsion throughout the mission expands our capability for rendezvous missions, for either mitigation (e.g. gravity tractor) or for science and characterization (determining what the asteroid or comet is made of). This will be a vast improvement over existing solar-electric propulsion systems, and entering megawatt levels of electricity generation in space will expand the number and power of scientific instruments available to spacecraft and satellites (current

10. “Nuclear Explosive Propelled Interceptor for Deflecting Comets and Asteroids on a Collision Course with Earth,” J. C. Solem, *Proceedings of the Near-Earth Object Interception Workshop*, Los Alamos National Laboratory, New Mexico, 1992, January 14-16, pages 121-130.

## Size of Near-Earth Object

(meters)



Reproduced from *Dealing with the Threat to Earth from Asteroids and Comets*, IAA, 2009, page 66.

systems are measured in the tens of kilowatts).<sup>11</sup>

## Nuclear-Thermal Propulsion

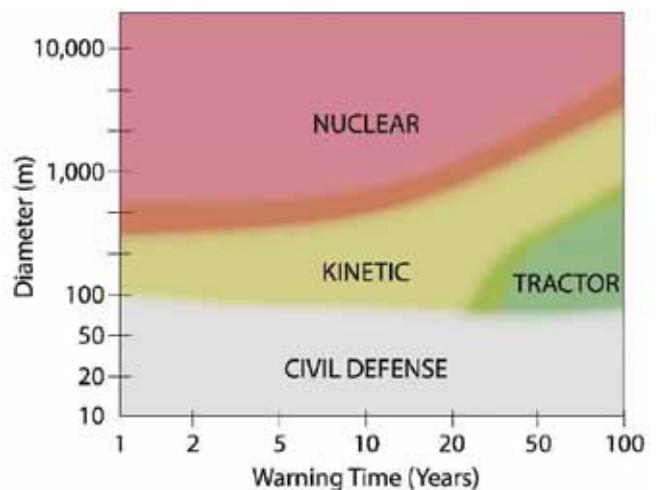
Part of the 1992 Los Alamos Workshop was a technology assessment, indicating future technologies which could be developed with applications to planetary defense. Included was a brief analysis of the general benefits of nuclear-thermal propulsion systems, in which a nuclear reactor is used to heat and expel hydrogen as a propellant. Compared with existing chemical systems, nuclear-thermal propulsion promises either substantially lower launch mass for comparable missions, or quicker intercept speeds.<sup>12</sup>

11. "The role of space power in solving prospective problems in the interests of global safety, science and social economic sphere," 2010, presentation by A. S. Koroteyev, Director of SSC Keldysh Research Centre, Academician of Russian Academy of Sciences.

12. Workshop Summary, "Assessment of Current and Future Technologies," *Proceedings of the Near-Earth Object Interception Workshop*, Los Alamos National Laboratory, New Mexico, 1992, January 14-16, pages 225-234.

"Nuclear rockets with hydrogen propellant offer significant performance benefits over chemical rockets. They have much higher specific impulse, on the order of ~1,000 seconds compared to 450 seconds for H<sub>2</sub>/O<sub>2</sub> rockets. This higher specific impulse allows nuclear rockets to achieve substantially higher final velocities than chemical rockets, at least twice as great for comparable launch weight. Alternatively, for comparable final velocities and payload, nuclear rockets can be a factor of three to four lower in launch mass. These performance advantages are of potential benefit for NEO-intercept missions. For close-in intercepts, high velocity translates into quicker intercepts, reducing the level of risk and amount of delta-V deflection required. For distant intercepts, lower launch mass translates into lower cost. Extensive testing of nuclear engines has been carried out by the

U.S. in the NERVA program, and by the former USSR. The basic feasibility of nuclear rockets has been well established. Recently, the SNTP particle bed nuclear rocket program has been disclosed by



Adapted from *Defending Planet Earth: Near-Earth Object Surveys and Hazard Mitigation Strategies*, National Research Council, 2010, page 85.

*the U.S. Department of Defense. This program [was] developing a compact nuclear rocket with very high thrust/weight ratio.”*

In 2011 a more detailed study examined how nuclear thermal systems can increase our capability to handle worst-case scenarios. Long-period comets can come at us with little warning, and often at higher speeds than asteroids. While thermonuclear explosives provide the greatest deflection capability, the propulsion systems available to deploy them still remain a limiting factor. The 2011 study, “Near-Earth object interception using nuclear-thermal rocket propulsion,” showed that by reducing fuel weight requirements, nuclear-thermal propulsion increases the maximum size that could possibly be dealt with.<sup>13</sup>

*“Comparison of propulsion technologies for this mission shows that NTR [nuclear thermal rocket] outperforms other options substantially. The discussion concludes with an estimate of the comet size (5 km) that could be deflected using NTR propulsion, given current launch capabilities.”*

### In Defense of Progress

A variety of different mitigation options have been considered, each with particular benefits and short falls relative to specific scenarios. Given our current technological capabilities, only a few of these options are currently available, although studies, such as those cited above, do provide an indication of what can be possible with future technological developments. However, the point here is not to advocate one specific option, but to examine the considerations which cut across various options, and can provide mankind with a broad-based capability to act in the Solar System.

As discussed above, kinetic impacts can reach the capabilities of thermonuclear explosives, but only

Table III

### Propulsion Comparisons

	CHEMICAL PROPULSION	NUCLEAR EXPLOSIVE PROPULSION
<b>Specific Impulse</b>	500 seconds	42,500 seconds
<b>Rocket Velocity</b>	6 km/second	821 km/second
<b>Intercept Range</b>	29,300 km	1,460,000 km
<b>Intercept Time</b>	804 minutes	30 minutes

“Nuclear Explosive Propelled Interceptor for Deflecting Comets and Asteroids on a Collision Course with Earth,” J. C. Solem, *Proceedings of the Near-Earth Object Interception Workshop*, Los Alamos National Laboratory, New Mexico, 1992, January 14-16, page 121-130.

when accelerated with nuclear-explosive propulsion. The capabilities of electric propulsion for rendezvous missions to characterize and study asteroids or comets, or to utilize a gravitational tractor method to alter their trajectories, can be greatly improved when nuclear-electric is utilized instead of solar-electric. With nuclear-thermal propulsion for planetary defense, launch mass and intercept times can be reduced, and we can handle larger threats than we could with chemical propulsion systems. Even the fundamental geometry of our access to the Solar System can be revolutionized with the capabilities of nuclear fission and fusion propulsion systems.

Nuclear power is an invariant in improving our capabilities, and the concept of energy-flux density must be taken as a determining factor in planetary defense. Our nuclear fission and thermonuclear fusion capabilities in space, as a broad set of technologies, must be pursued to qualitatively transform our time-space access to, and action within, our Solar System. The best path to do this is to adopt a science-driver mission to force the challenge of making these breakthroughs. For example, developing fusion propulsion systems capable of transporting human beings to and from Mars at a constant acceleration/deceleration of 1-gravity (1-g) could be that challenge. Achieving this capability for 1-g space travel over the course of a generation or two will provide the technologies to deal with the threats posed to the Earth. This applies to defense, but also situates defense as a subsumed factor of general scientific and economic advance, in space and on Earth.

13. X. L. Zhang, E. Ball, L. Kochmanski, S. D. Howe, “Near-Earth object interception using nuclear thermal rocket propulsion,” *Proceedings of the Institution of Mechanical Engineers Part G - Journal of Aerospace Engineering*, 2011; 225 (G2 Sp. Iss): 181-193.

WHO REALLY OWNS YOU?

## It Is Time for You To Think, Really

by Lyndon H. LaRouche, Jr.

February 10, 2013

---

*It appears currently, that in Washington, D.C., as also in the British world empire, for example, the expected practice among some high-ranking interests today, is, to bury any unwanted truth under a virtual manure-pile filled with a combination of “talking points” mixed with that pile of monetarist fraud called “quantitative easing.” After which, truth can be more readily, first muffled, and then buried: all done with the presumed assurance that no intelligent historians would be so rude as to bring the evaded subject of truth up again.*

*What follows from that, is the following:*

*The clearly evident intention behind that currently rampant, monetarist fraud, is, first to flood the world with an implicitly worthless avalanche of an intrinsically worthless mass of “quantitative easing,” as is being done now; and, then, very soon, to turn about and repudiate all of that infinite debt of Ben “Bubbles” Bernanke’s hoax of “monetarist easing;” but, with, or without Bernanke, then, to turn about to creating a new, universal version of allegedly lawful money, to replace the repudiated obligations of Bernanke’s bubble-economy of hyper-inflationary “quantitative easing,” by a relatively, extremely small quantity of new nominal “money,” which will be intended to serve as a replacement for what had been simply cancelled as what had been the former category of “Bernanke” and kindred, repudiated money of the most of the rest of you folk.*

*Thus, it is presently intended, that the newly defined super-rich, will be reborn-again as the still relatively super-rich, while billions of the population of the world would die en-masse, choked to death by attempting to exist, as done by trying to live on the lost nominal “values” of a freshly repudiated former currency. All that after such “giant bubbles” resembling*

*the intrinsic fraud of what had been “quantitative easing” had been not simply repudiated, but replaced on so gigantic a scale as would have been intended for now.*

**Chapter I: An aim for what is a so-called modern history, usually misses, and that for a very good reason!**

## **The Present World-Empire**

To understand both the present reality and its future, you must re-examine the present meaning of “lessons of past experience,” as if those were an echo of memories of the ancient Roman empire and its sequels. Compare the former, recently lost sovereignties of continental Europe, with what has become the presently almost stateless condition of the former composition of western continental Europe. Ask oneself: In what degree is the condition of Europe today, comparable to the state of the conquered subjects of ancient Rome in its time; or, the state of a Europe before a British empire’s recent crushing of the Peace of Westphalia; or, the hyperinflation imposed upon Weimar Germany in an earlier century?

Whatever past empires might have been, the period of what had been actually sovereign nation-states, now seems to have been brought very nearly to an end, into a state of affairs which, now, might seem to have been brought about by what a British scoundrel, Tony Blair, had done to murder the achievement of what had been the Peace of Westphalia. That wretch, Blair, has done his part in this by means of seemingly little more than slight adjustments in the name, costumes, dates and experiences of whatever passes for the presently, rapidly expiring cus-

toms of the Atlantic regions.

What, then, is now “reality?” Better asked: “Where has reality gone?” “Where did it go?” If it had ever existed, to where had it gone, and by what means? Perhaps, “Who has murdered it?” Or, “Is there still a future for mankind in Europe?”

Look at matters from a slightly different track: compare the sudden recent example of what has been lately defined by the irony of a recently re-resurrected, twisted mere corpse of England’s Richard III, which, having been a lost cause, which it now, apparently, is, has now been finally brought back for a moment on stage, to a reign of an irony piled upon irony. Let who will, now shout: “For the moment, nothing seems to be reality. The King is already dead! Long live the King! Now

bury him—again!” “History” as we have often heard of it from around the world of the past, seems, suddenly, to have been customarily extended as if under the memory of a long siege of Troy, which, in the end, was never actually a myth.

Such are the curious ironies of a real history.

### ***A Search for Implications***

If we scrap both the choice of the sundry lying, or the simply ignorant versions of what is claimed to have been considered the course of a fairly known history, we seem, currently, left with what were soon to become relics little better than being some scattered, occasionally accrued, lost facts as such. Despite that, as I shall insist here, we should have learned, long since, that no system of

what are merely “so-called facts-to-present-date,” could ever actually be an efficiently real account of an actual history. That has been true for a truly elementary reason: for the reason that the customary accounts presented, had failed to include an account for any actual future.

The truth is, contrary to common belief, that no



*President Abraham Lincoln, among the most thoughtful, and arguably, the greatest of our Presidents, restored America’s sovereignty by defeating Britain’s Confederate slave power. Photo by Alexander Gardner.*

truthful account of the actual future can be competently adduced from what had been merely the past. That has been, truthfully, the experience of every passing species of living creature, which has existed on Earth this far. That is the truth of great events in our galaxy. That is the principle which separates the experience of life, from that of death.

The indispensable reality which must be recognized, is that mere facts concerning manifested apparent intentions, are landmarks which have been left, like dead footprints from where actual men and women might have walked; yet, despite that, mere footprints and the like were never the real matters which are to be confused with the true outcomes experienced as the knowledgeable form of the processes of history. The past does not contain the footsteps which mark that present which exists only in the future: the arrogant powers of a merely present time, lack that actually existing experience of the future which is called "foresight." Yet, all living existence depends upon foresight, or lack of foresight of someone, or of some mere thing.

I emphasize, that while we might experiment with the suggestion that the knowable intentions were expressed in the course of the process of leaving those footprints which had been left behind in the forward march of history, these intentions left by the past, were never the true causes for the direction of that which a mere description of the actually historically past events and their footprints could have left behind them. As I shall explain, and then emphasize repeatedly in the course of this present report, the great, underlying motives of real history, are not to be located in causes which even some of the truly most applauded conduct of real nations, and of their men and women, should consider as having been the actual intention which the work of the human mind should have contributed to the creation of a future history, whether among living species, or the universe in an experience of its entirety.

Nonetheless, it might seem to some stubbornly misguided souls, that my profession as a successful forecaster in economic processes, has been, and remains, merely that which some learned, but confused folk might wish to prefer to describe, mistakenly, as being that of "a contrarian." All of which means, in fact, that I have searched, with some modest degree of a relatively unique success, for access to the real, future causes and their outcomes for a future history, rather than that of most of those who have been considered, as by their own very selves, to be "merely historians of a

past experience."

I have come to prefer the causes which even the putatively best leading historians, or the like, appear to have either overlooked, or had simply lied about, either maliciously, or merely for the lack of anything which appears, to them, to be something better to do. Mostly, most of the time, even what might have seemed to have been the best of historians, have usually overlooked the most crucial among those actually real, but rarely mentioned varieties of the radically changing pattern of footsteps left behind in the course of an actual human history. All of my several principal, and successful, forecasts as a working economist, have been essentially of that characteristic. The past, like King Richard III, is always included in that which was buried in a mere appearance of some merely hoped-for future.

### ***"The Hard Facts, Despite It All"***

At this point, it would be appropriate to, briefly, narrow the range of the discussion in progress up to this point. Now, as I have recommended, and as I have done in several recent reports, let us, for the moment, confine the scope of what I have indicated here, to a concentra-

## America's Untold Story

How the trans-Atlantic republican movement waged a continuous fight for freedom, beginning with John Winthrop's Massachusetts Bay Colony in 1630.

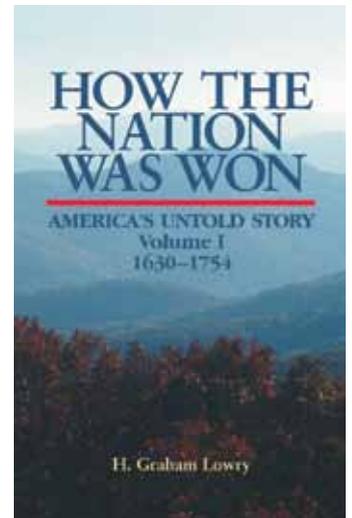
\$19.95

ORDER FROM  
**EIR News Service, Inc.**  
P.O. Box 17590  
Washington, D.C.  
20041-0590

Order by phone, **1-800-278-3135**

**OR** order online at [www.larouchepub.com](http://www.larouchepub.com)

Shipping and handling: Add \$5 for the first book and \$1.00 for each additional book. Virginia residents add 5% sales tax. We accept MasterCard and Visa



tion on those falsehoods which are represented, specifically, by reliance on what is merely ordinary human sense-perception, even when the past as merely such has been considered as a purportedly “scientific” sense-perception.

The first steps of that greatly narrowed range of topics among those who have been considered as actually competent historians and their like, bespeak footprints which have still not been understood, even among most of those who have been putatively the best historians and kindred strategic thinkers. Even among those I could identify as being fairly considered as “strategic thinkers,” their whole role fits within that greatly reduced range of targets which I have just identified; they tend to be victims of a class of errors defined by reliance on mere sense-perceptions, as precisely such mistakes as those reveal the commonplace error of a prevalent, persisting belief in what is actually the fallacy of what is called “sense-certainty.”

In a somewhat longer-range view of history than that, if we were to keep within the bounds of those parameters which I have just presented for your consideration here, it is what has been the crucially important, but neither, yet, truly-understood, nor even known, underlying principles, which have befuddled even the otherwise relatively most respectable historians and forecasters.

To restate that point. It is fairly said, that even what are sometimes justly considered as the best scientists, historians, or statesmen, had relied on the track of the mere footprints left as history, rather than relying upon an effort to discover what had actually made those footprints. What those persons have missed in their inquiries, is not what had actually seemed to be the expressed intention of the individual actor, but, rather, has lain in consequences which he or she had almost never effectively considered: “the mysterious hand of a future fate.”

What, then, has been the cause of what even a seemingly perfected quality of conventionally historical outlook has widely overlooked?

### *“An Answer to That Question”*

There has been a commonplace error which must be considered, and corrected, as it must be done here. That error is expressed as a disposition to rely on sense-perception, even fairly often, choosing that misguided belief for the purpose of defining what is intended to pass for the alleged discovery of universal physical

principles. Therefore, one must demand: What is the proof of that sense-perception, upon which habitual science-sniffers appear to rely as their choice of what passes, for them, as what they treat as if truly universal, but which is often a false notion of a physical principle?

On that account, there is the need for a new, better definition of a competent account of human history, which must be a history which includes the knowably efficient existence of the role of the future. This must now be reconsidered, and refined, with far greater rigor, and, then, radically redefined, again, appropriately, even as if to bring the evidence out from the popular hiding-places, where it has been dwelling amid those usual mists and myths mistaken for the systemic actuality of progress in human history, or its rejection.

There is a principle of reason in the actual record of history; but, the customary approach to what had been deemed a more or less respectable regard for the matter of motives, misses the point. It neglects the underlying, rarely considered, but actually underlying motives specific to knowledge of the future, motives which even the most careful historians have often missed, motives which actually lurk as if hidden deeply by mankind’s merely ostensible motives.

That brings us to the issues of the inherently systemic fallacy of what has been accepted, wrongly, as the principles often attributed to the notion of mere sense-perception as such. On that latter account, the ostensibly best among the putative experts, had customarily failed to consider the actually efficient quality of the deeply underlying actual motives embedded in those mists which have been created by mankind’s customarily credulous confidence in what had been merely sense-perception itself. That has been the cause for such errors as those which have been popularly recommended as a worship of the alleged evidence of mere sense perception.

At this point, let us take the most serious of our historians hypothetically at their word, but, therefore, only for carefully defined clinical purposes. Then, and only then, locate the systemically ontological folly embedded within the apparent depths of their knowledge and its mere sincerities.

What is the role of a history which is to be seen from the specific viewpoint of the future? In other words, seen from the standpoint of those universal physical principles which could not be actually known from any other standpoint than that of reference to an actuality of the future.

## A Typically Useful Question-Mark

There have been notable, but relatively brief interruptions in the past, imperialist systems of repressions, interruptions such as, for example, the case of that relatively excellent, and also exceptionally important medieval figure of history, Charlemagne as Rosa Luxemburg had known him.

With the passing of what was, in fact, a truly great Charlemagne, the experience then was as if history had slid backwards, that at a generally accelerating rate, all, with some rare exceptions, toward a fresh interval of “the same old imperialist crap.” While Charlemagne had still lived, he had remained truly outstanding, and so within the dwindling powers of his radiated influence since the death which had followed his relatively brief reign.

It had been a reign which was outstanding for the reason of some of the physical-economic institutions which he had founded during his life-time, such as the creation of Europe’s continental water-transport system, and his method of census, and his system of development of the needed qualities of government, and the other wonderful accomplishments of the government of his time. Those accomplishments of his, as fairly considered by the historian Rosa Luxemburg, had been among the most excellent works of that page in history, which, on that account, had lived on, not only in memory, but, even more emphatically, in the practices and those profound benefits from that time, which have survived to be resurrected in memory, up through the present day.

What he had achieved as durable qualities of those created effects of his reign, remain, still, as traceable to what Rosa Luxemburg had correctly noted in the course of her own scholarly achievements, as among the world’s leading economists of her own time. Nonetheless, we must ask: what had directed the motives of that



Creative Commons

*Charlemagne (742-814), is to be noted for the outstanding physical-economic advancements accomplished during his reign, including the creation of Europe’s continental water-transport system. With his passing, it “was as if history had slid backwards.” Posthumous portrait of Charlemagne by Albrecht Dürer (c. 1512).*

quality which he had actually represented as the relative great genius of his, Charlemagne’s, relatively brief reign? Behind the well-defined apparent motives, what is the underlying motive for the motives themselves, those of then, or now? The honest answer to such questions is neither obvious, nor simple in any degree. They require the wisdom gained from the effect of true discoveries of universal principles.

The great economic and closely related accomplishments of Charlemagne, had been chiefly economic (physically) in their effects, as in economic and social accomplishments traced, chiefly, in events of development covering a territory corresponding to that of the combined territory represented, chiefly, by the combination of both the same territory as that of modern France, and also of that territory on which a modern Germany has been established, a Germany which had come into its proper existence under that influence of the circles of U.S.A. President Abraham Lincoln, which had contributed to a continuing leadership of Chancellor Bismarck, a leadership which

had been continued, in effect, until his ouster by British interests, in 1890—British interests which had actually launched World War I, and its sequels from the exact moment at which Bismarck had been toppled from future power.

Those relevant developments by Charlemagne, to which I had referred, included the great internal continental system of “water roads” centered on both the rivers and canals of France and the internal water-ways of Germany, including a crucially important inland navigational system based on the union of the Rhine, the Danube, and the rivers of France, a creation which was completed only as late as during the 1990s.

Otherwise, Charlemagne himself had entered into great diplomatic and related agreements with many regions of Europe and the Middle East, including his ex-

emplary close relationship to the Abassid monarch of the same period of time, Haroun al Raschid.

For the rest of it all, European history, in particular, so far, has been, most frequently, and with brief exceptions, chiefly an onset of interims betwixt sundry bloody carnivals of horrors, to the very present date; even the leading exceptions which have been notable, even still today, were largely passing odd pages from a tattered history. There seem to have been certain motives for what had happened; but, what were the hidden motives which had made the other motives possible?

On such account, the riddles of history might appear to most, to be unending. The best riddles are to be found at the point that “practical experiments” are superseded by the discovery of new, higher ranking, universal physical principles, principles which reject the silliness of the notions of deduction—which is what qualifies the latter to be examined in the corrective light of what might be principles.

I now return attention to precisely that presently urgent matter of the definition of what is actually a universal principle, but, after we have turned our attention, temporarily, to descriptions of the ground on which the evidence of suspected principles might be found. Do not forget, that through it all, I am not merely an economist, but one with certain exceptional, and proven qualifications of insight and foresight for the purposes to which I am dedicated on behalf of you and your progeny.

## *Chapter 2: “I am an American!”*

### **History on the Field of Play**

Mere labels, mere descriptions, are never actually science, but are, usually, directly the contrary in their natures. At its best, merely taught history is little better than a footprint of that which had once been an account molded by either the hands and minds of competent scientists, or merely those others who must now be returned into a more careful study of a now much-neglected, former role of actually scientific progress. Such is the root of the trans-Atlantic and still broader crisis of mankind now.

Consider the set of the nations of continental western and central Europe, as to be seen over the course traced from ancient into present times, and which have now been recently sucked into becoming returned to the condition of a virtually stateless, merely local

colony of the British empire. For example: a collection of captive, former nations, otherwise known presently as the so-called “Euro System.” This had been a patch of what had become, at one time or another, and sooner or later, the sometimes former nation-states whose only actively surviving form of serious expression at the present moment, today, is what has become known as the recent tragedy of the presently contemporary, seemingly stateless, and accelerating threatened disasters of a “Euro System.”

The United Kingdom is not actually a nation—although it could become such under proper preconditions; it is a mere “motto” used by what is, essentially, a now centuries-long reign of a world-wide empire. In such matters as those confronting Europe now, what British imperial reign and its influence has done, was that done not merely to continental Europe, but to the continents of Eurasia, Africa, the Americas, and others.

Europe is not the only victim presently. During the course of the formation of the history of our own United States of America, our own participation in these presently trans-Atlantic and Mediterranean times, had already lost, at least temporarily, most of our republic’s originally won sovereignty, a quality of sovereignty which had been lost through such sources of corruption as the instrumentality of the installation of the loutish mere British puppet of that British spy, Aaron Burr, that nasty puppet known as that thoroughly despicable President Andrew Jackson who had duped many Americans of the past and present, into the deluded belief that Jackson should be regarded as “respectable.”

Following the assassination of President Abraham Lincoln, a former pupil of John Quincy Adams, and the greatest of all Presidents since George Washington, we of our United States had regained our sovereignty in a Civil War among our ranks, a conflict which had been created entirely by the British monarchy and its international financial apparatus: albeit regained for only a time. For that foolishness among us then, we have paid a horrid, actually bloody price, which would have been mitigated had a victorious President Lincoln continued to live in defiance of his intended assassins deployed from the British monarchy.

Similarly, another most notable, later assassination, that of President William McKinley, threw the same U.S. Presidency into a virtual political garbage-pit, into the snare of being a virtual British satrapy once more, this time under such as a treasonously inclined, swinish Theodore Roosevelt, and under a kindred, temporarily

reigning scoundrel and overt leader of the revived Ku Klux Klan, President Woodrow Wilson. In the main, the U.S.A. of the 1920s fared little better.

So, with one curious exception to a pack of the mostly Twentieth-century scoundrels in our Presidency, until the election of the truly great President Franklin Roosevelt, the Presidency of the United States had been occupied, with a rare exception, by more or less viciously treasonous stuff representing the legacy of the British spy Aaron Burr, and Burr's habitual mere flunky, Andrew Jackson.

But, then, with the death of President Franklin Roosevelt, and, thus, under the despicable Harry S Truman foisted upon a politically besieged President Franklin Roosevelt, the United States again became a disgrace to itself, this time under implicitly treasonous pressures directed from Churchill's London.

Eisenhower and John F. Kennedy gave us back much of our actual sovereignty, temporarily, for as long as they had lived; the assassinations of John Kennedy and his brother Robert, still keep that which had been our once great republic, as a captive to an economic and political tail-spin under such as a failed and nasty George W. Bush, Jr., and the British-empire-created Barack Obama, both of whom have proven themselves, in fact, to be, this far, the very worst substitutes for true patriots of our republic's virtually lost sovereignty.

The proper general summation of this report which I am presenting as the range of matters to be considered here and now, will be the fact, that, despite the wonderful Peace of Westphalia, the future British empire had begun to emerge as visibly an imperial power with rise of the New Venetian Party's wars, first that of a France under the impact of William III of Orange, but which has now been, long since, a globally dominant imperial power throughout the planet, more or less permanently to present date. So far, numerous moments of a set of quaint pseudo-sovereignties are to be taken into consideration. This insult to the respective nations of Europe did not begin with the Roman Empire, but, there has been, so far, no end to the specific evil which ancient Rome, and its presently continued, Venice and its included Modena branch as an offshoot, represent still today. So, the bench-mark for the history to be considered in this present report, must now be located here.

"Go along, to get along," may not be treason, but without the populist legacy within our institutions of government, actual treason would not have been tolerated very much under our Federal Constitution. Most of

our people had been respectable, had they not sought out the companionship of that which is, both politically and morally, tantamount to syphilis.

In the meantime, the customary British myth about "little England," is nothing more than just another silly "talking point" employed for the edification of the pitifully credulous. In short, true sovereignty among respective nations, has been, considered in the large, this far, pretty much in the role of a collection of seductive dreams with little durable substance. If we refuse to accept that judgment, we were blinding ourselves to the most general of long-standing, presently global realities.

### *Nicholas of Cusa's Legacy*

That much said this far, now take the following, crucially exemplary case of the influence of Nicholas of Cusa on the destiny, and the consequences of that work of Christopher Columbus which had been inspired by the work of Nicholas of Cusa. Our republic may have become "sad shakes" now; but our United States also has had a wonderful legacy which may be traced chiefly to the impact of the legacy of one among the greatest geniuses of known modern times, Nicholas of Cusa, the true central figure of the greatest trends toward progress in modern trans-Atlantic history since the Great Renaissance.

For that purpose, we must study the Massachusetts of the Seventeenth-century Winthrops and Mathers; study it as a fairly crucial and also pivotal case in point. Had I been free to prevent a monstrosity perpetrated against my highly esteemed, late colleague and historian, Graham Lowry, he would have been permitted to continue the exceptionally gifted work which he had represented, that as far, and for so long as his circumstances permitted, as in his only partly completed, projected series on the true history of our republic. We of our United States should all be richer, and wiser, for the memory of those achievements and intentions, still today.

The lesson especially to be learned, is that Truth is not a collection of facts. It is a grasp of those forces of influence which distinguishes the genius of creative insight from mockery. There was no one among those who tried to shut Graham's voice up, who had not turned out to have been "a holier-than-thou skunk" during my enforced absence from my customary duties. Too often, it is forgotten, that "power" and "honor" are usually not evidence of truth. Corruption comes cheaper

on the marketplaces of what is describable as “opportunism.”

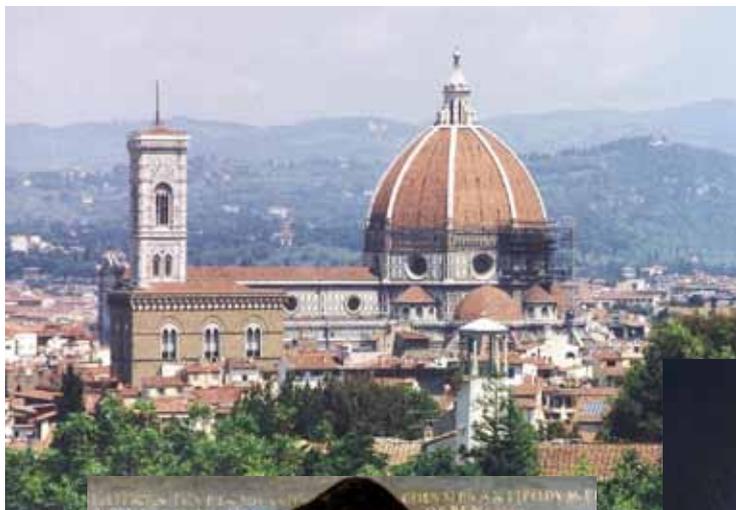
To understand all this, and more, you must, absolutely, consider the deep and also vast relationship of the work of Nicholas of Cusa for the role of Christopher Columbus in the shaping of world history since their overlapping times. We must, therefore, give special recognition, to that explicitly declared mission of Cusa, which had, in turn, persuaded Christopher Columbus to found the benchmark for a new republic, a benchmark whose existence was explicitly premised on what was to happen on the shores of the Americas.

In all of this, the deep precedents for the unique role of Columbus’s mission must not be overlooked. Without the role of

Columbus, there would have been no United States, and without the genius of Nicholas of Cusa, before the historic role of Columbus, there would have been none of the achievements accomplished through the key-stone-work of Christopher Columbus.

To illustrate those achievements and their varied consequences, it were sufficiently exemplary, to consider the circumstances which led to not only the discovery of the New England colony, but even the brilliant success of the establishment of the New England colony, prior to the time it was crushed by those forces of the “New Venetian” establishment of William III et al., which had been built up in the Netherlands wars. These were wars, first, against the France of the silly Louis XIV; and, second, against the British Isles; and, thirdly, the suppression and crushing of what had been the wonderful New England territory crafted under the leadership of the Winthrop and the Mathers.

In the latter of those three instances, what emerged from the late Seventeenth-century crushing of New England by the agencies of the continuing “Venetian Empire,” was an Eighteenth-century rebirth of the ear-



*The legacy of the great Renaissance scientist, philosopher, and statesman Cardinal Nicholas of Cusa (below), was, in addition to his indispensable role at the Council of Florence, as the inspiration for Columbus's voyages to America.*

lier intentions of the Winthrop and Mathers, a rebirth typified most forcefully in the personality and work of the great master-statesman, and political heir of those same Winthrop and Mathers, Benjamin Franklin.

However, all that said this far, now taken into a certain account, consider: what is the systemic error deeply embedded in the current teaching even among the presently relatively best of our historians this far?

Now, having completed a broad-brush overview of the particular subject-matters to be taken into account here and now, we may bring a better order into an historical perspective whose selected certain elements we have considered here this far, and more. Our principal, and principled target for this scientific expedition into the realm of truth, is the systemically savage fallacies inherent in the current, still conventional, but mistaken notion of human sense-perception as such. To escape from the inherent errors intrinsic to faith in sense-perception, it is essential to be freed from the great error of the relatively best historians, the specific error of belief in the alleged “self-evidence” of what is merely sense-perception.

Such is the spread of the truly underlying semblance of principle for truly attempted understanding of human history, to the present date. Now, let you be enabled to “begin to get my point here,” even if only by degrees.

### ***What Is the Future?***

The moment has now come in this report, to insert an explanation of the proper human meaning of the concept of an ontological distinction of actual human access to knowledge of the future.

The clearest modern definition of an ontologically actual notion of an experience of a future, was supplied by Nicholas of Cusa in, most notably, his **De Docta Ignorantia**. The best practical demonstration of Cusa’s discovery in that location, has been provided by his scientific heir, by Johannes Kepler’s unique discovery of the principled conception of **vicarious hypothesis**. Unfortunately, the notion of *vicarious hypothesis*, as actually presented by Kepler, has been poorly interpreted; however, it can be better appreciated if we recognize that conception itself as being ontologically congruent with the concept of **metaphor** as it occurs in the dramas of William Shakespeare and the principles of musical composition expressed in the preludes and fugues of Johann Sebastian Bach.

The most vicious of the customary errors of popular opinion on this account, is the prevalence of a desperate belief in the ontological notion of “sense-certainty.” The best choice of contemporary remedies for the prevalent popular confusion in connection with these matters, is to examine the typical cases of the successfully demonstrated discovery of universal physical principles by such modern physical scientists as Max Planck and Albert Einstein. Those discoveries conveniently typify cases of explicit knowledge of an experience of the future; that prowess in creativity so typified, also typifies the actual experience of a discovery of a principled expression of the future which is fully congruent with the practice of forecasting in which I have repeatedly had such an experience in forecasting oncoming expressions of the discovery of future, qualitative changes in mankind’s *available choices* of his fate.

No comparable benefit can be adduced from mere sense-perception as such. My own earliest experience with that kind of choice, is what I experienced, contrary to Euclidean doctrines, in a youthful study, during my secondary education, of the principled characteristics of constructions with steel beams, during some repeated visits to the Charlestown Navy Yard in metro-

politan Boston. The principle which I adopted as being “natural,” from my point of view, then, was merely typical of any human being’s potential insight into the actual experience of knowing a cause in the future.

The issue which arises commonly in connection with such discoveries, is the relative “brainwashing” of students and others in what passes for “standard” secondary and later education commonly. Man’s power of the human will, as that was demonstrated by Kepler’s discovery of the essential principle of the Solar system’s organization, is not, by any means, the only type of relevant case. It has been the best illustration of the essential principle which distinguishes mankind from the beasts, as by Bernhard Riemann, Max Planck, and Albert Einstein, too, as, probably, Heraclitus as well, Shakespeare and Bach included.

The principle which I have indicated, thus, here, is a natural power of the member of the human species, if that power is not suppressed within, and by society. On this account, it is not merely possible, but indispensable, to recognize that the cultures with which some of the better-informed have been indoctrinated, have been crafted, to large degree, as effects of a conditioning to accept the fate of a suppressed majority in this history of the conflict between mankind and its oligarchical cultural conditioning according to what has been the “tradition” induced among the so-called “lower classes.” The long history of the systemic fraud of a Euclidean geometry illustrates the point.

### ***Chapter 3: Some needed descriptions.***

## **What the Current Queen of England Appears Not To Wish You To Know<sup>1</sup>**

I remind you, that the current fact is, that the Queen of England and the Saudi system, are among the joined exemplary elements among leading cases of members of an actually world empire which is fairly identified, presently, as a present world empire distinguished by roots originally planted since no later than ancient Rome. That much said, now take into account, again, the added common history of the murderous traitor Aaron Burr, and his henchmen, Andrew Jackson and Martin Van Buren, for examples.

---

1. Or, Perhaps She’s Lying About That, Too!



*The Queen of England and her close allies in the Saudi royal family are at the center of a world empire, whose intent is to reduce, as rapidly as possible, the number of human inhabitants of Earth to approximately 1 billion.*

Since a later time than their record presents, as added facts, all with rather slight interruptions, such as those of the most excellent, relatively recent Presidents such as Franklin Roosevelt and John F. Kennedy, the financial system of the United States has been dominated, most of its time, by the British empire's customary, and continuing predatory role, as in its top-down control over our United States' nation, through most among what had been the incumbent Presidencies, whether each were, in turn, great, good, or even very bad (such as George W. Bush, Jr., and, worst of all, the mass-murderously inclined Barack Obama).

However, that much taken into account, the essential feature of the presently global system of a monetarist tyranny which continues to dominate the United States through the role of a global monetarist system, is that of a system whose center of power has been, most nearly, the heritage of the presently British successor to the continuity which it shares with the nominally defunct, original Roman Empire. The existing, trans-Atlantic-centered "money system," serves as key-holder

to what is, in fact, still presently, both a very dirty aspect of a very much real British empire, in fact, but also a very real Roman empire scarcely hidden within the British husk.

Within that virtual prison-yard of the nations which the British empire continues to represent as that current Anglo-Saudi interest which had launched both the original "9-11" murders against the citizens of the United States, and the expression of the same interest's role in the continuation of the self-same such practices still today, there still remains a tattered, but still specifically "American" system of resistance: a resistance inherent in the legacy which had been defined by the founding of our Constitutional republic, whenever that republic had exerted the power native to the intention expressed in the birth of our Federal Constitution, and, also, as in the legacy remaining from the tradition of the de facto, Seventeenth-century republic-in-fact which is represented today by the memory of the Massachusetts Bay Colony under the leadership of the Winthrops and Mathers, and consequently, their starring heir, Benjamin Franklin.

It is crucial for our purposes here, that the foundations of the Massachusetts Bay Colony in its Seventeenth-century heyday, were laid, essentially, as the legacy of the greatest scientific genius of the "Golden Renaissance" which is associated with that same Cardinal Nicholas of Cusa who, among his many other revolutionary achievements, had laid the foundations for all competent expressions of modern physical science, with, most emphatically, his **De Docta Ignorantia**.

It was the same Nicholas of Cusa, whose policies had inspired Christopher Columbus's essential intention in reaching the region of the Carribean, and the effects of Columbus' impact on the future of the great surge of what would include the unique accomplishment of the establishment of our United States of America.

The question which the immediately preceding paragraph here ultimately implies, is "What underlies the actual meaning of that American Revolution?" Where can the underlying "pay-dirt" of our republic be located?

### ***The Roots of the American System***

First of all, we do not exaggerate if and when we may claim to see a very special place for the role and destiny of our republic among all other nations. So,

even despite those several evil Presidents and comparable scoundrels who have contrived to find a leading position in our republic's affairs, it must be taken into account, that, obviously, there are two most notable kinds of defects in the quality of the U.S. republic's, and also Europe's present functioning.

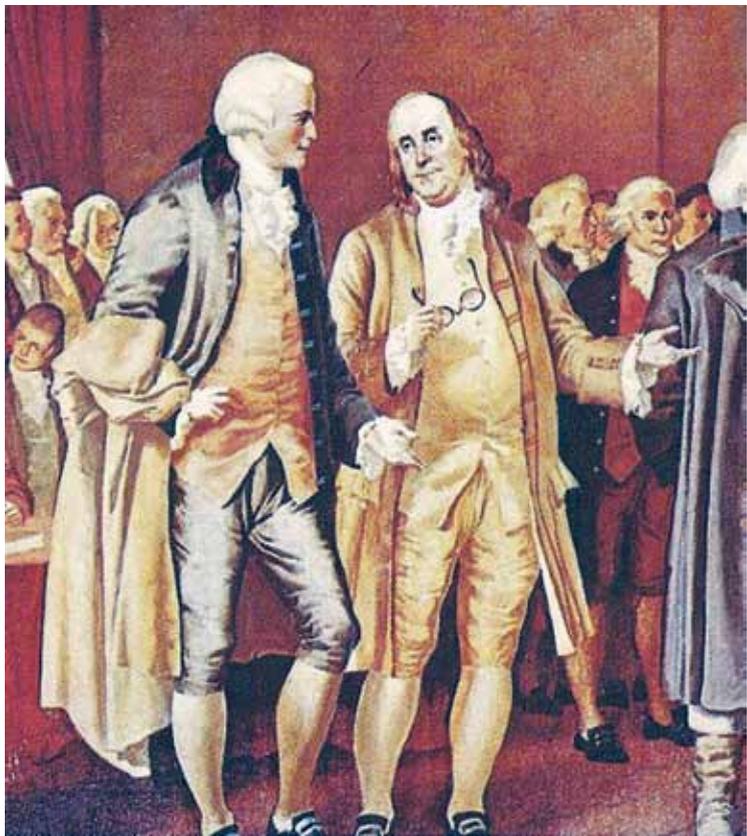
The most readily accessible evidence on this account, is the stink of corruption expressed by our republic's seemingly chronic pollution with the overreaching role of a British empire whose true origins exist only in its expression as bearing the legacy of the Roman Empire. All of the relevant, Europe-centered empires of the world have been, in fact, outgrowths of the same tradition as that of the original Roman Empire; the corruption of the United States (chiefly from London), had already been tainted in that same direction.

This fact, respecting the still extant, Roman origins of the British imperial system, is, still, the present juridical basis for the existence of that British empire which was established by the general, 1783 Treaty of Versailles, which provided the same context for the subsumed Peace of Paris signed directly with United States itself.

If we attend to the miraculous achievement of the U.S.A.'s original finance minister, Alexander Hamilton, Benjamin Franklin protégé Hamilton had been, in fact, the greatest genius in his crafting of the greatest national economic policy ever visibly known to mankind. The notion of a credit system, instead of a monetarist system, had been the most urgent and vital reform of national economies in all presently known history since that time. All of the relevant failures of the United States' system throughout the full span of its existence to date, have been the consequence of the grave error of the recurring substitution of a monetarist system for a credit system.

Indeed, the one, most singular measure on which the continued existence of the United States now depends, is the return to Hamilton's principle of a credit system, instead of a money system launched in the name of such relevant figures as a soiled Thomas Jefferson acting under the influence of a British agent committed to the destruction of the United States, that being the same Aaron Burr who was the British controller (and virtual personal owner) of President Andrew Jackson.

Later, Abraham Lincoln's victory over that British slaveholding Confederacy's monetarist and slavery



*Benjamin Franklin protégé Alexander Hamilton's brilliant crafting of U.S. national economic policy, based on a credit system, was "the most urgent and vital reform of national economies in all presently known history since that time."*

system, the system which had been launched fully, and officially under the successive, British-owned Presidencies of Andrew Jackson and Martin Van Buren, is to be remembered for Lincoln's contrasting model of the greenback system, a system which had snatched the safe existence of the United States by the means of President Abraham Lincoln's "Greenback system" of national credit, rather than submit to the mercenaries of European monetarism.

Jackson, a perennial stooge for that traitor and professional assassin Aaron Burr who was still a proprietor-in-fact of the Jackson Presidency, performed the specific function which Burr's arrangements assigned to the Presidency of both Jackson and that of van Buren, an arrangement employed for their looting of the government and people of the United States, in their time. That pair did so, by destroying the credit of the United States, all for the prominently presented intention of turning the United States into virtually a mere victim of the British empire. Exactly that was done, to a large

degree, as the result of an operation conducted from London, via the region of New York City and the swindlers in Massachusetts.

That is the crucial point in fact which must be made clear in this report's present chapter. That subject is currently the indispensable basis for rescuing the people of the United States from a mass-murderous, present form of destruction of the physical economy of the United States and willful, Wall Street-steered, effectively increasing rates of economic mass murder among the present great majority of our citizens, all that on behalf of Wall Street and its minions.

### ***Uniquely American: The Credit System***

Few among our professional economists, presently, have even the slightest competence in respect to the essentially requisite principles of a national economy. The problem here, is not that our citizens are stupid in these matters; the fact is that most of them are, simply, actually incompetent respecting a very specific matter: their widespread, specific ignorance respecting the threat from our deadliest adversary, the British-empire-dominated, and global, monetarist system.

Whereas, a still productively inclined, but diminishing portion of our citizens have now virtually lost all actual competence over the direction of the economic affairs of our republic. Our republic is currently at the point that the citizenry still attempts to explain, especially to themselves, their own, actually foolish, efforts to derive an increase in national per-capita wealth from popular indoctrinations in the role of the mind-control exerted over even the minds of nearly all among our citizens. That is a popular opinion which is rooted and controlled by blind faith in the presumption that the true origin of wealth lies only within the oligarchical province of money *per se*.

### ***The Hamilton Factor***

The extraordinarily brilliant, and consummately creative Alexander Hamilton, had acted to the effect of rescuing the United States from that national bankruptcy which immediately threatened the very continued existence of the United States from the start of its national victory. Anyone who does not recognize that, is no true statesman. Hamilton's action had rescued the threatened young U.S. republic from an immediately threatened resumption of the virtual British captivity of the U.S. population, as under the direction by Wall Street presently.

The U.S.A. was enabled, through the adoption of Hamilton's measures, to avoid, for a time, a renewed captivity to that British empire from which we had just escaped by our American-led victory of the United States. That escape, secured by Hamilton's role as the economics genius of the first Administration of President George Washington, had freed the United States from the threatened, ruinous, monetarist ideology intended to be imposed upon our republic. This role by Hamilton, and only this, enabled the United States to continue even to exist in its original constitutional terms, whereas the policies of even grouchy President John Adams and the largely indifferent, and systemically incompetent, and "slippery" President Thomas Jefferson, had allowed our republic's enemy, the British agent Aaron Burr, to run amok, despite all of the known, wicked offenses of Burr.

The same Jefferson who repeatedly played crony to the traitor Aaron Burr, and who had failed our nation so recklessly in his promoting Burr, thus destroyed, for a certain time, much of what had been repeatedly shown to have been the uniquely competent, and necessary, policies of Alexander Hamilton; as Hamilton's intentions had, later, been adopted in the expression of the wonderful achievements of both President James Monroe, and his immediate successor, the great genius, and the most persistent and ultimately most effective national leader of his own time as our nation's leader, John Quincy Adams.

At that point in time, the enemy of the United States, the British agent Aaron Burr appeared on the surface yet again, this time in his role as the chief of the responsible British agents in both the creation and the control of the Presidency of Andrew Jackson.

Simply said, the economy of our nation presently still depends, economically and otherwise, on the fostering of the rising productive powers of labor, a gain achieved uniquely, as ultimately, through science-driven progress in the accelerating development of the productive powers of labor. That is, indeed, the only policy of national practice which is not assuredly idiotic in its intrinsic nature, as also in its innate consequences.<sup>2</sup>

---

2. No durable species, even one lasting for a significant lapse of time, could have survived, but for a general rise of the quality of life of the current array of living species. The current population policies of Britain's Queen, are, accordingly, fraudulent, or more stupid than those reported by the alleged-to-be vampire bats sustained within the attic (or, belfry) of the domicile of the British Royal Family.

A monetarist policy is always clinically insane in its inherently ultimate effects, just as the U.S. has experienced the fact of that effect under the most regrettable choices of Presidents George W. Bush, Jr. and Barack Obama. The ruined years since the assassinations of President John F. Kennedy and of his very important brother Robert, attest to the evidence of this, in fact. Nonetheless, this republic of ours had then never fully escaped from the downward trajectory of that particular form of monetarist trend which has reigned, almost consistently, since the death of President Franklin Roosevelt and the assassination of Mrs. Eleanor Roosevelt's choice, President John F. Kennedy.

And are some among you here, still so foolish as to believe that monetarism is good for you?

### ***The Wider Consequences of the Same***

The virtually either criminal insanity, or something similar, of Mr. Bernanke's (and others') queasy practice of "quantitative easing," demands an immediate form of relief which could not be provided without special means of indispensable qualities of corrective consideration at this time. In fact, that practice of Bernanke himself, et al., represents, in the effect of what he has done, what has been an inherently criminal practice, both in respect to even the simply national interest of our people, and in respect to crucially important matters of international affairs. "Quantitative easing" is merely an inveterate swindler's name for a perpetually terminal state of hyperinflation, one now entering a phase comparable to the panic-phase of Weimar Germany's hyperinflation.

The fact that monetarist beliefs are systemically insane in their inherent quality, obviously does not really exonerate any kind of practice of such implicitly criminal beliefs as those; they are beliefs in practice which belong, for classification, to the category of the greatest magnitude of known frauds, or worse crimes, ever known to mankind, even simply as a matter of fact respecting the inherent consequences of that practice.

Meanwhile, the fact that some governments, such as sometimes our own, may have engaged in such foolish practices from time to time, does not remove them from the category of the guilt of inherently fraudulent practices actually intended against the general welfare of both our own and other nations. If we wish to be truly generous, we might let the monetarist culprits off with

either their proverbial bare skins, or as much as what might be barely sufficient to cover over that which is the most unsightly.

In former times, in its variety among human cultures, mankind has been confronted with the inalienable obligation to increase the special quality of fertility which the human species has secured, uniquely, through the increase of the productive powers of labor.

This requirement is implicitly universal respecting the universal obligation to promote society's practice of aggressive increases of the net effect of the productive form of labor, directly, or indirectly, as the case may dictate. The principal channel of choice for this practice, the proper technical term for this purpose, is *the increase of the effective energy-flux density of the application of labor*, an obligation which includes the Creator's command delivered to mankind, to progress to higher qualities of human society's productive powers of labor, per capita, a rising rate of that density of productivity, the which is specifically inherent in the systematic increase of the energy-flux density both of modes of human labor generally, and in related respects.

For example. Presently, we are also being confronted with the increasing urgency of programs and measures which are required for the accelerated increase of the productive powers of labor. Consider this as in respect to such considerations as including the need to defend us from the threats from asteroids and also comets, a need for defense which now requires very-high rates of increase of applied energy-flux density for the use of mankind on Earth. Indeed, even the ability of society to maintain a minimal level of per-capita productivity, demands an endlessly continuing increase of the physically defined, productive powers of human labor: i.e., scientific progress measured in terms of increases of the application of thermonuclear-fusion and still higher "energy-flux densities" globally and beyond.

Captain John Smith had rightly required, taking into account consideration of his place and time, that the product of the needed productive powers of labor must be obligatory for those who are able. That was a simple approach to the matter at hand, then. But a more suitable consequence, such as a benefit for and within society, is clearly fitting. The underlying principle, then, as to be as applied to the threats of asteroids and comets, should be evident.



NASA/JPL-Caltech-T. Pyle (SCC)

*The now urgent need to defend our planet from the threat of asteroids, comets, and other space debris, requires very-high rates of increase of applied energy-flux density for the use of mankind on Earth. Shown: an artist's concept of a massive asteroid belt orbiting around a star very like our Sun.*

#### **Chapter 4: The Present Future of The Human Species.**

---

### **Now, Next**

---

The known history of those former, or presently living species which have inhabited Earth, as at one time, or another, includes my choice of a categorical distinction of the actually human species from all other, previously, or presently known varieties of species. In the main, whether directly, or, indirectly, all of those species have a presently relatively greater, or lesser degree of dependency upon that which our human species does, or, in the alternative, does not do. For certain reasons, that pattern will appear for the present time, as never to change as a matter of principle, but that will tend to remain for as long as mankind is enabled to continue to inhabit both Earth, and also relevant other parts of the Solar system.

We of our human species, represent a “super-species,” to be defined so as one which is inherently endowed with an already demonstrated, voluntary power for creating, willfully, the elements of ultimately virtually limitless evolutionary progress in our species’ will-

ful power to effect categorically useful transformations, upward, done preferably as chiefly willfully, in our nature.

That defines the most essential of the possible issues of evolutionary progress to be considered here. I mean the voluntary power of the human species to evolve into becoming qualitatively higher forms of practiced existence, as through the essential distinction of the noëtic nature of the human mind.<sup>3</sup> It is the political implications to be associated, thus, with the human species, as I shall have presented an argument to such an effect, in opening this present chapter.

Therefore, the time has now come, to consider what is next for mankind, provided the presently widespread lust for foolishness does not prevent our species’ continued existence.

The presently, relatively fresh reminder of the distinction of those specifically human noëtic powers called “creativity,” is prompted for us from a consideration of the implications of mankind’s relatively recent

---

3. It is to be noted, and emphasized, that I follow the fruits of the cooperation between Max Planck and Wolfgang Köhler, in the indispensable, practical distinction between “human brain” and “human mind.”

capabilities for attaining communications required for the placement of controlled devices on objects within nearby space (and beyond), and for the somewhat distant prospect of becoming an actively living presence of mankind on Mars, and also required increasing prospects for control over such destinations as asteroids to be found in the reach of the regions of betwixt the orbits of Earth and Mars. The time when mankind had superseded a landing on, and return from the Moon, by similar achievements with asteroids and Mars, marks a profound change from what are ostensibly the previous limits for defining what “man” had meant to represent as “man on Earth.”

The present fact, that such changes in the very definition of the meaning of “human species,” have been now “touched” (so to speak), foretells the necessary arrival of a qualitative change in even the very meaning of the notion of mankind.

To speak of what must presently be considered as temporary obstacles to mankind’s role within the bounds of certain qualities to be found in nearby space, the prospective openings for achievements are now already foreseeable as both practical and with vast practical implications for us within our present part of the Solar system. We may, in fact, treat such a prospective potency of our species as if it were a matter of implicitly accomplished possibilities, in principle, for mankind presently. The impetus which this outlook supplies to our immediate prospects for mankind’s inhering, clearly potential powers as a species, already supplies us with the basis for confidence in the prospects for mankind’s advances toward necessary actions to be counted as prospects for important steps into what is, so to speak, “space.”

The presently existing imperatives for “defense of Earth” are sufficient qualifications for reactivating the now foolishly neglected NASA perspectives, including addressing the immediate implications for the notion of “man in space” as an assuredly present capability in immediate view. That is the limit which I impose upon myself, for relatively immediate purposes of suggested national and global policy-planning.

To place those just-stated, typical prospects within the future history of the progress of our human species, we need only begin our investigations by reviewing the history of mankind’s distinctive nature as a species. Man is “the fire-bringer.” Mankind’s origins as a “fire-bringer,” have now passed simply nuclear fission, into the domains of both thermonuclear fusion and what have been named, since Albert Einstein’s work, as

“matter/anti-matter” potencies. Thermonuclear fusion, when arranged in an appropriate way, brings the reasonable access of man to, and return from Mars, as a visibly prospective, if somewhat still distant level of achievement. Higher-order capabilities of unmanned means for important investigations conducted at great distances within the Solar system, have already entered the category of higher order means for useful purposes.

All that I wish to accomplish of these already stated accounts, here, are being brought forth by me presently, to provide a suitable prospective for preparing the realization of greater goals ahead.

The principle so implied, is that mankind is capable of becoming a master of accomplishments beyond the presently imagined limits of what mankind must, even soon, reach during a not-really-distant future. Think of what is demonstrated on such an account, as a mere span of four generations, such as that of the Nineteenth, or Twentieth centuries. Translate even those relatively mediocre goals accomplished within the span of the recent four centuries of progress in physical science (and also the frequent retrogressions). These facts duly considered, what is, then, the truly intrinsic distinction of man from beast, other than cumulatively great leaps in human progress?

### *Chapter 5: Saudi imperialism?*

## **The British-Saudi Empire of Today**

I am well-known among some actually leading figures of several or more nations, well-known among those limited circles best qualified to react to my exceptionally specific skills as a forecaster. For example, on that account, on January 3, 2001, I had passed a warning to a relevant leading figure and his wife, forewarning them to expect a serious terrorist threat to our United States to appear during the course of that year. During the late Spring and Summer of that same year, I had tracked several likely, trend-like signs of such a major event. On September 11, 2001, that event hit me (among any others) with a certain degree of surprise as to exact timing, but I had recognized, since my forecast of January 2nd of that same year, the situation and its implications, immediately, and presented the details of my reactions during an ongoing radio broadcast of a blow-by-blow account of the breaking developments.<sup>4</sup>

4. Cf. [EIR](#), Sept. 21, 2001.

During that same lapse of time, my associates and I had tracked developments which conformed to a prelude for a terrorist event. The cases of which I registered warnings of such a class of event during that same year, became serious enough to be classed as a forewarning of a threatened action in progress near Washington, D.C. What actually happened was what would become known as “9-11:” September 11, 2001, which was soon proven to have been an actually Anglo-Saudi-organized terrorist action, an attack which had been prepared in collusion with Saudi Arabian leading circles, and in cooperation against the United States, also, with a leading role of the British monarchy’s BAE institution. Unfortunately, the facts have been suppressed by the role of lying by both the administrations of George W. Bush, Jr., and, now, Barack Obama.

These essentials are now to be classified under the rough category of “long since,” except for the present fact, of another, clear-cut case of a new “9-11” terrorist attack which had struck in Libya’s Benghazi region, in the Autumn of this just-past year. This new “9-11” attack, has been in fact, a continuation of what had begun in public attention since September 11, 2001. In the case of, now, both those “9-11” attacks, the U.S.A.’s Barack Obama Presidency had sought to conceal, fraudulently, even impeachably, the relevant facts of the combined two cases.

### *The “Brutish” Empire Acts*

To understand that situation in an adequate manner, we must consider the consequences of a process of developments, since the bloody reign of William III in the British Isles, through the time of the 1763 Peace of Paris, which Britain had signed as the conclusive peace treaty with the United States. That date marked a coincident set of treaties of a then newly-established British, Roman-style world empire. The shaping of the empire has been altered since 1763, but the essential characteristics of that British world empire, as an overruling system of collected, relatively local satrapies, has never changed.

It is to be emphasized on this account, that the British empire is somewhat like a chameleon, which changes its colors, to fit the background of the role it is playing, as if diplomatically, according to the circumstances of not only place and time, but in accord with



*CEO Bill Gross of the mega-bond trading company PIMCO recently shocked the financial world by describing the financial system as a potential “credit supernova,” based on the hyperinflationary policies of the Fed and other central banks.*

that which is the momentary choice of which nation, and so forth, is being wooed or crushed at the time. It is what “British Empire” has always meant: it has been, in principle, an heir of the original Roman empire, in intention, underlying methods, and embedded consequential disasters.

### *A Helpful Key to Understanding*

The lack of actual understanding of the underlying nature of the present world monetarist’s crisis, is typified, for example, by William H. Gross’s “Credit Supernova!”<sup>5</sup> He is right in describing the immediate instant of (what is now!) the present date’s situation of the financial universe as, from his choice of vantage-point, a virtual “Credit Supernova.” What he misses entirely, is the actually underlying nature of a real economy. In other words, Gross has no solution, because, although he has diagnosed the disease itself well, considering all else, he has proceeded in an intrinsically wrong way. There is nothing to fear if we cease attempting to “bail out” that global financial system which is the actual cause of the onrushing global catastrophe.

The actually catastrophic error which Gross’ words imply, is the actually insane presumption that money as such is a real determinant of human values. Alexander Hamilton had already defined both the problem, and its remedy, in four statements on the subject of economic principles: his two 1790 reports on **Public Credit** and a **National Bank**, his extended 1791 **Report on the Sub-**

5. In [Investment Outlook](#), February 2013.

**ject of Manufactures**, and his **Opinion on the Constitutionality of the National Bank** of 1791. Credit and money are in no respect congruent conceptions, except in the respect that money has no intrinsic value except in its incarnation as a means of an otherwise useless conveyance of the signaled presence of wealth by the messenger-service of mere money.

There is an example to be employed as an illustration of the point I have just stated, an illustration carried over from the progressive evolution of living species toward successively higher orders of the equivalent of higher “energy flux densities” in the ordering of progress in the advancement of the evolution of living species. It is the creative (i.e., noëtic “powers”) of successive advances in the relative qualities of living species, which are expressed in the effects comparable to the notions of increases of effective expressions of “energy-flux density,” which are the basis for the increase of the productive power of human noëtically driven increments in the relative value of human labor.

To derive economic growth, the standard of human productive labor, is necessary; however, to seek to derive relative economic values from money-as-such, is a form of insanity more or less congruent with the intrinsically stupid, and implicit social criminality of what Bernanke and his accomplices currently represent.

What I have just stated respecting the distinction of productive from merely monetarist “values,” provides the only actually competent basis for any national economy.

The most significant of the offspring of the span from the Roman Empire, to today’s actual British empire, are typified more or less exactly by the original model of the Roman Empire. The system of rulership relies to a very large extent on the jackal-like blend of sneak, coward, and opportunist, as that is played, from place to place, and time to time, among the political organizations of the subordinate elements of a British empire modeled on the original Roman. Britain rules less by the force it commands, which is chiefly the disgustingly whorish cupidity which it exploits among its subordinates—i.e., the so-called notions of “alliances.”

The varieties of ways in which Russia has been duped and cheated by Venetian and British swindlers, up to the present moments, since the ouster of Chancellor Bismarck, is exemplary, whether Czarist Russia, Communist Russia, or what-have-you. The case of the way Bertrand Russell, as also Russell’s relevant successors, had played Russia diplomatically, which is to say, often, “egotistically,” whether Communist or other-

wise, is typical of the dirty hand of British imperial diplomacy, to virtually the present instant.

I find no systematic fault in the existence of relations among nation-states as such. It is when those nation-states fall into the customary trap of British imperial diplomacy, that the “Little British Isles” so often swindles the nations of the world by playing on the national egotisms deeply rooted in language-national pride. I knew Russia of the 1990s rather well for an outsider, knowing that an honest cooperation between Russia and the United States of President Bill Clinton would have been a pathway to successful development of cooperation among respectively sovereign nations. President Clinton was brought down at that juncture when I had acted on this account. From the effect of that development, neither the U.S.A. nor Russia, has regained the common interest which were available when both nations could each have been, simultaneously, itself.

A comparable case had existed on the verge of the reunification of a divided Germany. A British orchestration among President François Mitterrand’s France, Britain’s Margaret Thatcher, and the U.S.A.’s “goofy” George H.W. Bush, all combined in effect with the assassination of Chairman Alfred Herrhausen of Deutsche Bank, pushed the administration of Chancellor Helmut Kohl, over the edge into a capitulation to that British Empire’s Euro-system hoax which created the wretched peril among the nations of continental Europe—including that of Russia—to the present date.

It is past time that that empire itself be dissolved. The imminent collapse, just now, of the U.S.A.’s capitulation to a commitment to the “monetary easing” of Ben Bernanke, brings the world as a whole to the edge of the greatest, and actually global, financial collapse in all human history up to the present date.

### ***The British-Saudi Swindle***

The British-Saudi swindle has been the source of the “9-11’s” of both 2001, as under the George W. Bush Presidency, and that of the Barack Obama Presidency in Benghazi in 2012. The origins of those connections are actually to be traced in their roots to the role of that British conquest of India which was an integral feature of the creation of the original British world empire.

The particular, most distinguishing difference between a national, or comparable economy, and an empire such as that of Ancient Rome or the British-Saudi imperialist operations of the present time, is that the British empire does not give an essential “damn”

about economic progress as such. The empire's appetite is essentially power, rather than physical-economic progress; currently, it demands that previous human progress be irreparably undone. In fact, as the present Queen of England has made the issue of relative values very, very clear: her drive is, as she has indicated repeatedly, to reduce the population of the entire planet through a practiced genocide bringing it from seven billions, to approximately one billion living human persons (or perhaps very much less).

The essential feature at the root of the British empire, as for the Roman earlier, is to use physical power as a promotion and defense of empire as such. Beyond that narrowly defined intention, the overriding intention is to secure the bestialization of what might be regarded as the relatively "lower" classes.

We see that policy today, through studying the bestialization being promoted against the U.S. population today (for example) in the name of a program of "environmentalism" which, when combined with the spread of drug-trafficking, can only bring about mass-death rates among the U.S.A. and also Europe, as it has been done, generally, to Africa, and so on.

The interdependency of the acceleration of drug-trafficking and stupefaction of the populations of nations, is presently the very essence of British imperial drug-pushing strategy and related intentions. The bestialization being now shaped, by the emphasis supplied by Wall Street, is typical of the evil which is otherwise characteristic of Wall Street. The problem here, is that most leaders in our United States have recently lacked even the simple "guts" to resist the destruction of our republic.

That evil is essentially a matter of conflicting moralities, the one of human morality, rather than that of predators of such as Wall Street. For the rest of the matter, the evils spring from cowardice. The root of the matter is older than the destruction of ancient Troy. The root is the same evil characteristic of oligarchy as such, purely as evil as the Emperor Nero in his time.

## Chapter 6: The actual science of economy.

### It Has Been Named "Reason"

In no case, has the method of sense-perception actually defined a universal principle of nature: the universe does not await permission given by something on Earth as responsible for the discovery of a truly universal physical principle. Such dubious devices must be recognized as characteristic of such ancient charlatans as the notorious Euclid, and what Ludwig Beethoven warned, prophetically, would probably be the unfortunately ruinous destiny of "the talented boy," Franz Liszt; or, worse, the all-sidedly monstrous hoaxster, Richard Wagner; and



Max Planck at the piano.

*Where there is a simultaneity of Classical drama and other art, there is a place of momentary residence of the human soul.*

the, still worse, gibberish-like, popular musical product of the post-World War II phase of the Twentieth Century.

These are not matters of "mere opinion," but of efficiently scientific fact; the proof for this resides within the effect on the quality of mind and morals of the subject considered. There are several conveniently accessible proofs available. Among modern scientific proofs, there have been the Renaissance leaders Filippo Brunelleschi, Nicholas of Cusa, and among the most notable from the Seventeenth Century's leaders, Johannes Kepler, Pierre de Fermat, and the modern Gottfried Leibniz. It were best to define the issues with better insight into the underlying issues along those historical lines.

Greed is not an appetite specific to decent people. Mission for the advancement of the intellectual powers and related goals of mankind, is a matter of essential, moral principles properly required among even simply decent human beings, and nothing less than that.

We represent, as human beings, the only living species presently known to us, which is capable of enabling

even our species to continue to live as such a species, not a species in greed, or brutish ignorance, but as we represent the only presently known living species which is capable of doing some genuine good through the progress of the forced achievements of increased creative powers of action for both mankind and the improvement of our planet's usefulness.

There is a correlative factor, which has been a leading concern of mine over the greatest part of my life to date: the liberation of my human race from the presently continued general stultification, called euphemistically, "being practical," contrary to the noëtic potentialities of our species. This is a matter to be identified in relatively simple terms, as the ability of the human mind, when not crippled by malicious influences, to foresee an actual future. The tyranny of the demand to be "practical," otherwise often named so, is, in fact, the greatest evil, in its effects, even to the degree of explicit bestiality, encountered within the ranks of mankind this far.

The source of the problematic error against which I have just warned, lies in the effort to bring the behavior of the individual human mind into an attempted, precise correlation with the common terms of literal meanings, a correlation which is the primary impulse for brutish intellectual and related behavior within the human population generally. The antidote for such trends into bestiality, is found in what is fairly regarded as both Classical artistic and scientific discovery and use of principles. The model for that standard was provided efficiently by our use of two closely related terms of science and artistic composition: Johannes Kepler's *vicarious hypothesis* and the intrinsically related term, *metaphor*.

The first of these terms, was first defined by Johannes Kepler's discovery of the ontological principle of physical science, and the second is the comparably "subtle" implications of Classical artistic composition, such as those of William Shakespeare's dramas and John Sebastian Bach's sets of preludes and fugues. Both of these just-stated standards, take the imagination out of the brutalizing domain of simply literal sense-perception, into the domain of the human mind, as such.

In both of the cases which I have just emphasized as distinct from raw sense-perception, as such, the actually noëtic powers of the actual human mind are brought into play, in the domain sometimes identified as the "creative imagination." That is, in fact, the only domain in which human creativity achieves its true realization. It is known as the domain of Classical artistic composition and its realization; but, it is also the only true prin-

ciple of an actualized physical science.

If, for example, you were to find yourself at a certain degree of distance from the raw experience of sitting in a chair in an audience, such that your mind is distracted from the pressures supplied to the seat of your pants, such that you are listening, not to the actors as perceived so, but standing in a position proximate to experiencing the drama as on-stage; thus, you may have experienced a jolt of sorts, whenever the curtain closed briefly on an act or scene of the drama presented before you. The same principle appears in well-performed, great, Classical musical composition. That is to speak of the specificity of the Classical imagination, a means by which we are enabled, if willing, to enter a domain of the imagination where the only true reality resides, that of human creativity in its own true nature, that for us, as for the great artist and physicist Max Planck, for example, or an Albert Einstein with his violin.

Where there is a simultaneity of Classical drama and other art, there is a place of momentary residence of the human soul.

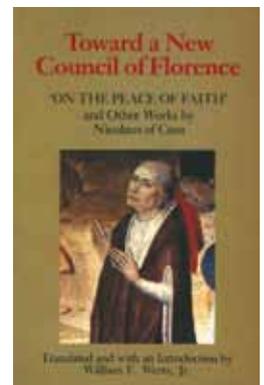
That is the objective, which truly serves all great things which humanity could know.

## Toward a New Council of Florence

### 'On the Peace of Faith' and Other Works by Nicolaus of Cusa

Translations of seminal writings of the 15th-century Roman Catholic Cardinal Nicolaus of Cusa, who, through his work and writings, contributed more than anyone else to the launching of the European Golden Renaissance. The title of the book, *Toward a New Council of Florence*, expresses our purpose in publishing it: to spark a new Renaissance today.

- 12 works published for the first time in English
- New translations of 3 important works



\$15

plus \$3.50 shipping and handling

**Schiller Institute, Inc.**

P.O. Box 20244 Washington, D.C. 20041-0244  
phone: 703-771-8390 www.schillerinstitute.org

# Can SDE Cooperation Trump London's War Drive?

by Jeffrey Steinberg

Feb. 24—The reverberations from the Feb. 15 asteroid flyby and meteor explosion continue, with leading scientists and government officials urging cooperation on a global program for Strategic Defense of the Earth (SDE), employing many of the scientific and technological breakthroughs first achieved in the work on the Strategic Defense Initiative (SDI). The 30th anniversary of President Reagan's adoption of Lyndon LaRouche's SDI concept will be celebrated on March 23. Among the major events of the past week was a proposal, presented to Russian Prime Minister Dmitri Medvedev from Deputy Prime Minister Dmitri Rogozin, calling for a global program to establish a defense against asteroids and other near-Earth objects (see *Science*, this issue).

Leading scientists from around the world, who gathered in Vienna, Austria Feb. 11-22, for a conference of the UN Commission on the Peaceful Uses of Space, seconded the call for precisely such a UN-directed international effort to deploy an elaborate system of infrared telescopes and other monitoring devices, as well as advanced radar and other systems, to knock out or divert asteroids, comets, and meteors headed for Earth.

In the United States, a handful of Members of Congress holding key committee positions, such as House Science, Space and Technology Committee chair and vice-chair Lamar Smith (R-Tex.) and Dana Rohrabacher (R-Calif.), have responded to the crisis, and will

be holding hearings in the coming weeks aimed at reviving NASA's historic leadership in taking up extra-terrestrial challenges.

In the context of these responses to the challenge posed for the very survival of mankind, the fair question to ask is:

Will this newly discovered urgency to revive a program of global scientific and technological cooperation to secure the future of man on Earth, be sufficient to defeat the equally feverish drive by the British Empire to provoke a permanent global war aimed at the drastic reduction of the human population?

## **The Sectarian War Drive**

Across North Africa, within the Persian Gulf and Eastern Mediterranean regions, and all across the Asia-Pacific, there are British- and Saudi-led efforts to provoke religious and tribal warfare.

Syria remains the cutting edge of this British genocide campaign. The conflict, fueled to mass-murderous proportions by the Saudi-sponsored jihadi networks, including al-Qaeda, involves deadly religious strife between the Sunni jihadis, on the one hand, and other religious groups, including Shi'as coming in from other countries, on the other.

As expected, the Syrian conflict, now entering its third year, has spilled over into neighboring Lebanon, where the Shi'ite Hezbollah party is under attack from an international array of forces, including Britain and



www.iraqcivilsociety.org

*From North Africa, across Southwest Asia, into the Asia-Pacific region, British- and Saudi-led efforts are provoking religious and tribal warfare on an vast scale. Here, mass demonstrations in December in Ramadi, Iraq, where sectarian conflict has broken out.*

Israel. Hezbollah has been accused of masterminding a bombing attack on an Israeli tour bus in Bulgaria last year, although the accusations so far appear to rest on flimsy evidence.

The effort to expand the Syrian conflict into Lebanon is indicative of the London-Riyadh drive to provoke a permanent war within the Islamic world between Sunnis and Shi'ites. With full backing from Great Britain, Saudi Arabia continues to provide unlimited quantities of cash and weapons to the jihadist faction within the Syrian opposition, at the same time that the head of Saudi Arabia's General Intelligence Directorate, Prince Bandar bin-Sultan, is pouring money and weapons into Sunni fundamentalist groups inside Lebanon, in preparation for a civil war to unseat the Hezbollah-led governing coalition.

An earlier effort by Bandar during the Bush-Cheney era failed miserably, but the British and the Saudis see a new civil war in Lebanon as a key element in their plans for perpetual religious conflict in the entire region and beyond.

### **Weapons to al-Qaeda**

The London-Saudi-Obama axis has not, however, given up on trying to overthrow Syrian President Bashar al-Assad; if they were to succeed, it would create chaos that would make Libya's post-Qaddafi disarray look mild. The Obama Administration not

only refuses to condemn terrorist incidents by the opposition, but is reported in such leak-sheets as the *Washington Post* to be increasing the level of weapons shipments into the country, under the ruse that they will build up the strength of the "moderates," against the radical jihadis.

Obama et al. know better. A senior U.S. intelligence source has reported that there is a new U.S. intelligence assessment circulating in the Administration indicating that the *entire* Syrian opposition has been hijacked by radical Islamists allied with al-Qaeda, and that the efforts

by Washington to exert control over the flow of money and arms to the Syrian opposition have failed, in the face of the Saudi-led promotion of the most virulent anti-Western jihadists.

The source confessed that in the immediate aftermath of the overthrow of the Qaddafi government in Libya, the U.S. was complicit in facilitating the flow of weapons to the Syrian opposition from vast stockpiles of sophisticated arms accumulated by Qaddafi before his assassination. Thus, the U.S. has been involved in arming those groups which it, and Great Britain, now assert could represent a threat, were they to take control of the Assad government's chemical weapons supplies. According to a *Daily Telegraph* report of Feb. 24, the U.S. and Britain have carried out war games in preparation for a military intervention, allegedly to "protect" those chemical stocks.

The same Washington source also indicated that there is a second "Fast and Furious" gun-running scandal about to blow up in President Obama's face, this one involving Libyan weapons channeled through U.S. intelligence operatives into the hands of western African jihadists, who took hostages in Algeria last month and killed several of them, including Americans—using weapons provided by the United States.

With the Senate confirmation of John Brennan as the new CIA Director being held up until Obama answers some crucial questions about the Benghazi 9/11

attack, this second, even more devastating “Fast and Furious” scandal can still erupt. Such a dramatic revelation, forcing the question of Obama’s removal from office—Nixon-style—could throw a monkey wrench into British plans for perpetual war and genocide.

West Africa has become a no-man’s-land where illegal guns, illegal drugs, dirty money, kidnapping for ransom, and brutal each-against-all terrorism are the order of the day.

## Permanent Chaos

There is perhaps no more tragic object lesson of the result of the London-Riyadh-Washington strategy than the current conditions in Iraq, a country devastated by sanctions and warfare over decades, which have killed an estimated 1 million people, and shattered what was once a center of culture, high-technology medicine, and industry, for the region.

Backed and funded by Saudi Arabia, al-Qaeda in Iraq has stepped up its efforts to usher in Shi’a-Sunni sectarian killings to gain control of the Shi’a-majority Iraq, or break Iraq into two rival states, one led by the Saudi-backed Sunnis and the other, by the Iran-backed Shi’as. What is becoming increasingly evident is that the Iraqi Sunnis who rejected al-Qaeda are turning against the government in great numbers. Reports indicate that tens of thousands of Sunnis, marching in the streets of Iraq’s Sunni cities in recent weeks, have shouted the same slogans that Syrians shouted in Deraa and Hama in early 2011 (“The people want the fall of the regime”) and waved the flags of the Free Syrian Army. Baghdad, under Prime Minister Nouri al-Maliki, opposes the Saudi-Qatari-West-backed violence in Syria, organized to remove President al-Assad from power.

According to IraqBodyCount.org, 4,505 Iraqis died from violence in 2012—409 in the month of Ramadan alone.

In December, Sunnis in the western city of Ramadi held demonstrations against the Maliki government, ostensibly to protest the arrest of security guards working for Sunni Finance Minister Rafi al-Issawi. Since then, the demonstrations have expanded and metastasized. Having begun with demands for reforms, better services, release of prisoners, and repeal of anti-Ba’ath Party lustration (purification) laws, anger has now overflowed, and demonstrators across the Sunni region demand the resignation of the Shi’ite Prime Minister,

accusing him of sectarian discrimination and repressing Sunnis.

## And Now, Iran

Iran, too, remains in the crosshairs of London’s drive for permanent genocidal conflict. With the next round of UN Security Council P5+1 talks set to begin in Kazakstan on Feb. 26, Israel and Britain have intensified the campaign to sabotage any serious negotiations, by accusing Iran of being months away from developing a nuclear bomb. A recent report by the International Atomic Energy Agency (IAEA), announcing that Iran has installed more sophisticated centrifuges at the Natanz facility, has been seized upon to argue for immediate preventive military action.

The embattled Israeli Prime Minister-designate, Benjamin Netanyahu, who has so far been unable to put together a governing coalition, is screaming bloody murder about Iran’s nuclear quest. In stark contrast, U.S. officials have confirmed that there is no evidence that Iran is seeking nuclear weapons, and Washington sources have told *EIR* that the issue will not come to a showdown until sometime in 2014. In other words, there is ample time for negotiations, even taking into account the fact that Iran will be holding presidential elections in June, which will provide a crucial indication of the intentions of the Iranian leadership.

While details are so far unavailable about the outcome of the recent meeting in Washington between President Obama and the new Japanese Prime Minister Shinto Abe, the Asia-Pacific region also remains on the edge.

North Korea’s recent test of a nuclear bomb revives the danger of a strategic crisis in North Asia, with Japan and South Korea both demanding greater security guarantees from Washington, and with China deeply concerned about President Obama’s “Asia pivot” taking the form of a quasi-NATO alliance aimed at containment of China.

The implications of the asteroid event of mid-February offer an opportunity to trump the British-Saudi drive for a global new Hundred Years War of perpetual genocide. Can a sane leadership emerge among the leading powers, that will come together around a Strategic Defense of the Earth? Can the British game of perpetual genocide be clearly recognized in the light of the extraterrestrial imperative?

This is the question that will decide mankind’s fate for a long time to come. The answer cannot be postponed for very much longer.

# India's Pro-Obama Government May Be on Its Last Legs

by Ramtanu Maitra

Feb. 24—A series of money scams, high inflation, a significant slowdown of India's much-touted economic growth, and currying favor with the globalization crowd at the expense of India's vast majority of poor, have brought the Manmohan Singh-led United Progressive Alliance (UPA) to its knees. With a year to go before the next general elections, the government has very few straws to grasp at right now. The Alliance, if it can hold itself together until the death knell tolls, has really no possibility of getting back into power.

It should be noted that during the last general election in 2009, people did not give a mandate to any party, but the Alliance somehow managed to survive because the opposition to it was unimaginative and equally incompetent, if not reeking with corruption.

## An Alternative?

This time around, some people in India have begun to assert that indeed an alternative does exist, in the person of a state leader, Narendra Modi, who is also a leader of the only other national party of note in India, the Bharatiya Janata Party (BJP). Modi, who was elected for the third time in the state of Gujarat, is not a household name across the country, although many have heard of his successes as chief minister in Gujarat. Modi's efforts for development and his ability to keep his stable clean, have drawn attention and pose a challenge to the inept and increasingly dysfunctional UPA. Gujarat today is considered a good example of what can be achieved under solid leadership that is not in power simply to facilitate favors to one coterie or another. Gujarat is surely the most desired target in India for investors—manufacturers in particular.

A senior Indian commentator in a recent website posting pointed out that Modi has strong support from the young. "He is not a complainer. He does things exactly as the young do. Modi is like an entrepreneur who knows how to squeeze the best out of the system. Modi is a wealth-creator, precisely what the young seek, and the Gujarat chief minister, unlike Manmohan Singh and

other World Bank/IMF economists" who are in power in Delhi, "is at home with the Indian model." He comes across as an outsider to New Delhi politics, and India is tired of insiders, who have come to be represented by the Nehru-Gandhi dynasty in the main, the commentator added.

If Modi is indeed as good as some say, it is important that he emerge as the prime minister-in-waiting. Apart from the fact that it is not evident how many Indians have a clear image of who he is or what he could deliver, his biggest obstacle could be his own party leaders, who have enmeshed themselves with the corruption that has become the hallmark of the Manmohan Singh-led government. A quartet consisting of L.K. Advani, Sushma Swaraj, Arun Jaitley, and Nitin Gad-



Creative Commons/Rangilo Gujarati

*Narendra Modi, the chief minister of Gujarat, presents a potential alternative to the failed policies of Prime Minister Manmohan Singh. But will he defeat his enemies in his own BJP party?*

kari of the RSS party has not only played along with the corrupt UPA administration, but is believed by some to have enriched themselves financially from the scams perpetrated by those whom they purport to oppose. The quartet, unwilling to address India's real problems, has never shaped a political agenda that would address reality and build popular support.

That reality is that 400-500 million people live without electricity and many more millions lack safe drinking water; that millions of children do not have any opportunity for a fair lot in life; that millions of poor who live from hand to mouth cannot survive with year after year of 10% or higher inflation; that this nation of 1.2 billion people will not be able to assume its rightful place in the world unless these 400-500 million are provided with education, skill, and a life that offers them hope.

In all likelihood, this quartet will do its very best to quietly soil Modi's positive image and, in the process, help the failed UPA to secure yet another term of five years in office.

### Obama's Guru: Manmohan Singh

President Obama calls Prime Minister Manmohan Singh his economic "guru." The "success" of Singh's *chela* (disciple) in pushing the United States to a path of unmitigated disaster on every front, should not come as a surprise. While Obama is a handmaiden of the Wall Street-City of London financial mafia, Singh comes virtually from the same stable. His education at Oxford and his years with the World Bank imbued him with the absurd notion that money *is* the economy, and his ten-year tenure as Prime Minister in India shows that he never grasped, nor even tried to grasp, what a national economy is, or what creates national wealth.

Neither Singh's Congress Party, the single largest party in the 2009 general elections, nor Manmohan Singh himself, were the people's choice. The Congress Party bagged less than 25% of the parliamentary seats. The UPA cobbled together state parties lured by Cabinet positions (if not by money outright), to gain a majority. Singh never even ran in the election.

Manmohan Singh is a packaged product delivered from outside by the international financial and corporate powerbrokers who saw him as the pawn that he is.



PIB of India

*Prime Minister Manmohan Singh, Obama's "guru," arrives with other Cabinet ministers at the Parliament on Feb. 21 for a session on the budget. India's economic growth is sputtering under his incompetent leadership.*

He was foisted upon the Indian people by Congress Party President Sonia Gandhi, the Italian-born widow of Prime Minister Rajiv Gandhi (d. 1989). Singh was sold to the electorate as an economist, an honest and apolitical technocrat. All those qualities have now pretty much vanished.

### Bowing to the Financial Mafia

This is why. Singh is considered by many in India as the most pro-U.S. Indian politician ever to sit in the prime minister's chair. The problem is that the United States that Manmohan Singh kowtows to so slavishly is currently led by a financial-corporate mafia, whose principal objective is to use the military to indiscriminately kill people anywhere in the world and to create toxic financial instruments to suck out the real wealth of other nations. They have their collaborators within India's corporations, many of which have become global.

This mafia "likes" Manmohan Singh because he believes in "reform"—by which he and they mean unshackling the Indian economy from its legacy of state-controlled "bondage," and paving the way for the global corporations to grab up large chunks of India's economy. Last November, millions in India took to the streets to vent their anger over a move which could see international bulk retailers like Tesco, Carrefour, and Wal-Mart, entering the \$500 billion Indian consumer retail market.

Last week, millions participated in a general strike protesting two recent decisions of the UPA government: preparing the ground for Tesco, Wal-Mart, et al.

to enter India's retail sector, and allowing corporations to open up private banks. Earlier, protesting against Singh's Foreign Direct Investment (FDI—some in India call it the "Foreign Destruction of India") reform policy, which helped foreign companies like Wal-Mart to enter the lucrative Indian retail market, a key ally, Trinamool Congress, the ruling party in the state of West Bengal, left the UPA, making it a minority alliance in the Indian Parliament.

Why Singh and his two major props, the finance minister and the deputy chairman of the Planning Commission, took such extreme risks to satisfy Wal-Mart, while facing such strong public opposition and political danger, is not hard to explain. Wal-Mart prepared its entry into India in 2010 with a \$100 million investment into a consultancy that had no employees, no profits, and a scant \$14,000 in revenue. The company, called Cedar Support Services, is now the focus of an investigation by India's financial crimes watchdog, to find out whether the company broke the FDI rules by putting money into a retailer before the government had thrown open the sector to other global players.

The pressure on Singh to push the FDI reform bill surely came from higher-ups who are not Indian, but global. The U.S. wish list vis-à-vis India—from nuclear commerce to Wal-Mart's entry into the Indian market—as former Indian Ambassador M.K. Bhadrakumar pointed out in an article, is lying on Obama's desk. Obama would have known that changes were likely in the stewardship of India's finance ministry. The Western media had been criticizing then-Finance Minister Pranab Mukherjee as the main hurdle in the way of "reform"; he was shoved out in July 2012 and made the President of India—a position of great honor, but almost zero political power.

The Obama Administration has acknowledged Singh's delivery to the financial mafia of at least one item from the White House's wish list. On Feb. 12, U.S. Undersecretary of the Treasury for International Affairs Lael Brainard told reporters ahead of the G-20 Meeting of Finance Ministers and Central Bank Governors in Moscow: "I have been very favorably impressed by some of the recent reform efforts undertaken by the Indian government. . . . We have seen some important reform commitments subsequent to that, which I think bode well. Of course he is going to continue to want to improve its investment in areas such as infrastructure and in financial markets to enable more vibrant investment response. We support those efforts, and we're

going to continue to engage India through our bilateral dialogue and also in the G-20."

In addition to this endorsement of Singh's penchant for "reform," last December, Goldman Sachs issued a statement expressing its continuing faith in Manmohan Singh, while asking for yet another pound of flesh. "India in many ways remains the most complex of the four [BRIC nations, Brazil, Russia, India, China], with its demographics giving it the best potential GDP growth rate, but its inability to introduce effective policy change is a persistent source of disappointment," said Goldman Sachs Asset Management Chairman Jim O'Neill. "This being said, there are lots of policy changes being discussed and the Indian stock market seems to be quite excited about something. . . . We think 2013 Indian GDP will probably exceed expectations, as there are indeed signs that policymakers might also positively surprise," O'Neill added. He did not put any figures to his estimates.

### **The Headley Fiasco**

Besides the UPA's slavish approach, led by Obama's guru, there is yet another giveaway that Manmohan Singh turns almost into an invertebrate when it comes to standing up to irrational and dangerous diktats of the Obama Administration. For instance, consider the case of David Headley, a terrorist.

The Mumbai attack in November 2008 is considered by Indians as similar to the U.S. 9/11 in all its dimensions. There was never a question that the people in India wanted to punish all those who were involved in committing that crime. David Headley, an American, who was an FBI agent-cum Lashkar-e-Taiba terrorist-cum drug runner, made public under a plea bargain that he was in Mumbai doing reconnaissance work for the attackers. Headley was tried in the U.S. courts and given a 35-year sentence.

Why did the Singh government authorize the United States to enter into a plea bargain with a terrorist wanted in India? Or, why did the prime minister not stand up against it?

Headley was deeply implicated in a massive terrorist operation within India. Prior to his sentencing, the Singh government declared that India wanted him to receive the death penalty. However, the Obama Administration's Attorney General Eric Holder announced that the United States would not extradite him to India, unless he were to violate the terms of his plea bargain. As one senior Indian commentator pointed out, this was an "unreachable lollipop for Manmohan Singh and his pro-American cabinet."

# Pope's Abdication: A Sign of the Times

by Claudio Celani

Feb. 20—The resignation of a Pope is a rare historical event. In fact, there is only one other Pope who resigned voluntarily, Celestine V, and that was more than 700 years ago. Thus, the announcement made by Pope Benedict XVI on Feb. 4, to become effective on Feb. 28, indicates that no institution, not even the Catholic Church, is immune from the tremendous crisis which is shaking humanity.

There are no grounds to challenge the motives given by Josef Ratzinger for his abdication, namely, that he realizes that his dwindling energy does not allow him to govern the Church effectively. However, it is the divisions within the Church and resistance to the Pope's reforms which have made the task so difficult, and the energy required which is so challenging for an aging Pope.

For half a century now, the battle lines of the conflict in the Catholic Church have been defined by Vatican II Council. That Council, convened by Pope John XXIII and concluded by Paul VI, established guidelines for the Catholic Church to change its course in harmony with a notion of progress as defined by the "Westphalian" order of sovereign and independent nation-states. The best expression of the Council is Paul VI's Encyclical *Populorum Progressio*, which declared that "development is the new name for peace." The Council marked a shift toward an ecumenical policy and away from the centuries-old oligarchical control over the Catholic Church.

Under Benedict XVI's Pontificate, the fight between the

two factions has overlapped with the secular strategic fight between pro- and anti-Westphalian factions. The lack of a solution to the world crisis, and the increasing domination of the imperial faction in the West have boosted the anti-Westphalian faction inside the Vatican as well. The conflict has exploded in an unprecedented form and has almost led to paralysis, with the Vatican attacked from the outside, and torn by internal fights, which recently saw the Pope targeted from several sides.

It is not to be excluded that by deciding to abdicate now, Ratzinger aims to shake things up and start a new game. When a Pope resigns, the Curia (Vatican Administration) also resigns, and a new one is appointed by his successor. Benedict XVI is in a position to influence the choice of the next Pope, as he appointed over half of the College of Cardinals himself, and most of the others were appointed by his predecessor and mentor John Paul II. Among the two groups, he can count on a strong faction that would follow his leadership.

The way Ratzinger has managed the interim phase until his resignation takes effect tends to support this view. At his last public meeting with Roman priests on

Feb. 15 in the Vatican, he focused on the issue of Vatican II. He spoke for one hour without a written text, showing that despite his age, he is fully in control of his intellectual powers.

His message was: Vatican II was misrepresented to the world's Catholic community. Now I will tell you what it really meant, and why the Roman Catholic Church must follow this path. He stressed that the intention was to open the Church to the world and to progress, reversing the route taken after the Galileo trials. However, he added, this intention was banalized in its implementation, leading to disasters. Fortunately, Benedict said, the idea of the Council was powerful enough to slowly get through.



Presidency of Poland  
Pope Benedict in Poland, Oct. 17, 2010.

# Glass-Steagall Has Broad Support in U.S.

by Nancy Spannaus

Feb. 25—Over the past week, in what should be a harbinger of what can be done nationally, resolutions in favor of Congress re-enacting Franklin Roosevelt-style Glass-Steagall banking regulations (HR 129) have been introduced, with large, bipartisan groups of sponsors, in three state legislatures: Maryland, South Dakota, and West Virginia. With the guidance of, and pressure from LaRouchePAC organizers, groups of state legislators, who are up against the wall due to the unending economic collapse, are taking responsibility for the nation and its future.

The pattern represents a breakthrough with great promise. For example, through the last Congressional session, support resolutions were only introduced in three states—Kentucky, Alabama, and Missouri—whereas there have been seven (Virginia, Montana, Rhode Island, and Pennsylvania, in addition to the three mentioned above) introduced during less than two months in this session. In addition, the composition of the co-sponsors shows that many more Republicans are joining with their Democratic colleagues in understanding that action to cut off the speculators, and restore sound banking, must be taken now.

## Maryland

Maryland House Joint Resolution 3-HJR3 demanding Congressional support for HR 129, Rep. Marcy Kaptur's (D-Ohio) bill to reinstate Glass-Steagall, was introduced on Feb. 20. A Democratic leader is the sponsor, with 14 co-sponsors, including 9 members of the Black Caucus, 3 Republicans, and a total of a dozen women. Many hold leadership positions for both the Democratic majority and the Republican minority in the legislature.

This diverse group of co-sponsors represents a wide spectrum, from the often conservative Republican coastline of the Eastern Shore, to the inner city of Baltimore, to the union activists of Prince George's County, home to communities neighboring the nation's capital.

## South Dakota

Senate Concurrent Resolution 6 was filed Feb. 22 with 69 co-sponsors, which represent a large majority of the 105 total legislators. Eighteen of the state's 35 Senators are co-sponsors, along with 51 of the 70 Representatives. The co-sponsors include a majority of the leadership of both parties, and are distributed throughout the state. The resolution does not support any particular piece of legislation.

After noting the dire effects of the repeal of Glass-Steagall in 1999, the Resolution concludes thus:

“NOW, THEREFORE, BE IT RESOLVED, by the Senate of the Eighty-Eighth Legislature of the State of South Dakota, the House of Representatives concurring therein, that the Congress of the United States is urged to enact legislation that would reinstate the separation of commercial and investment banking functions that were in effect under the Glass-Steagall Act (Banking Act of 1933). That Act prohibited commercial banks and bank holding companies from investing in stocks, underwriting securities, or investing in or acting as guarantors to derivative transactions, in order to prevent American taxpayers from being called upon to fund hundreds of billions of dollars to bail out financial institutions.”

## West Virginia

A resolution to restore Glass-Steagall was introduced in the West Virginia State House Feb. 22. The sponsor is a Democrat, and there are 20 co-sponsors, half Democrats and half Republican. The bill's official number will be available Feb. 26, after it has gone through the relevant House procedure.

LaRouchePAC organizers have reported that, as in the other states, the support comes from a combination of old-line FDR Democrats, and self-styled “Tea Party” Republicans, who are in revolt against Obama's bail-out-the-banks policy.

While state legislators are freer to act than are Congressmen and Senators, who are under the gun from Wall Street and the President, they can and must provide the crucial leverage for rapid passage of Glass-Steagall nationally, without which the economy is headed on a path to destruction.

For the most up-to-date reports on the status of support for Glass-Steagall nationally, and a complete list of co-sponsors for HR 129, see the LPAC Glass-Steagall page at <http://larouchepac.com/glass-steagall>.

# *Italy Kicks Over the Chessboard*

There is more than one reason for panic among the international banking establishment these days, but the results of the Italian election Feb. 24-25 are not among the least of them. The overwhelming rejection of the austerity policy of the Monti government—the former Prime Minister received less than 10% of the vote—has brought the crisis of the euro system back to the surface.

The conservative Spanish daily *ABC* took the occasion to emphasize that “the Italian vote has sent a significant message to the rest of Europe. . . . It could be said that in Italy the anti-European party won. Around 60% of Italians have shown themselves to be against the line set by Brussels.”

In fact, the outcome was even more overwhelming. Faced with no real leadership on an alternative to the devastating austerity to which they have been subjected, 25% of the Italian electorate simply didn't vote. The vast majority of the rest, with the explicitly anti-euro Berlusconi and Grillo blocs, and even among the Social Democrats, also registered a protest against the EU dictatorship. They have seen where things are headed, as they look to the genocidal destruction in Greece.

While the rejection is clearly a good thing, the immediate prospects for Italy are not good. The party of Beppe Grillo, literally a clown, is simply a populist catch-all for those enraged at the system, with no principled outlook at all. What is best described as a “neo-flagellant” party, is now the largest party in the lower house of Parliament! Since Grillo—who cannot take a seat in government himself because of a criminal record—refuses to make electoral alliances with other parties, the government is stalemated, with no political bloc having a sufficient majority to form a workable government.

Thus, the nation is headed for chaotic instability. The center-left coalition headed by the Democratic Party, and the center-right coalition headed by former Prime Minister Silvio Berlusconi, are practically tied at about 30% of seats in the House of Deputies, with Democrat Pierluigi Bersani receiving an electoral bonus, giving him an absolute majority. However, he does not have a majority in the Senate.

The London-IMF-EU monetary establishment is hysterical, fearful of contagion, and demanding that something be done to try to save the system. There is discussion of the imposition of another technocratic government in Italy, like that of Monti, which will lead to greater revolt by the Italians. Among the bankers, the talk is of more hyperinflationary bailouts to try to keep the sinking ship afloat. *Barron's* actually moots the need for Fed Chairman Bernanke, the world champion of money-printing and quantitative easing, to come to the rescue.

That's an insane conclusion, one which will only accelerate the process of destruction of nations. What is needed is the determination by the nations of Europe to reassert their sovereignty, ditch the euro and the austerity/hyperinflation program, and get on the road to growth.

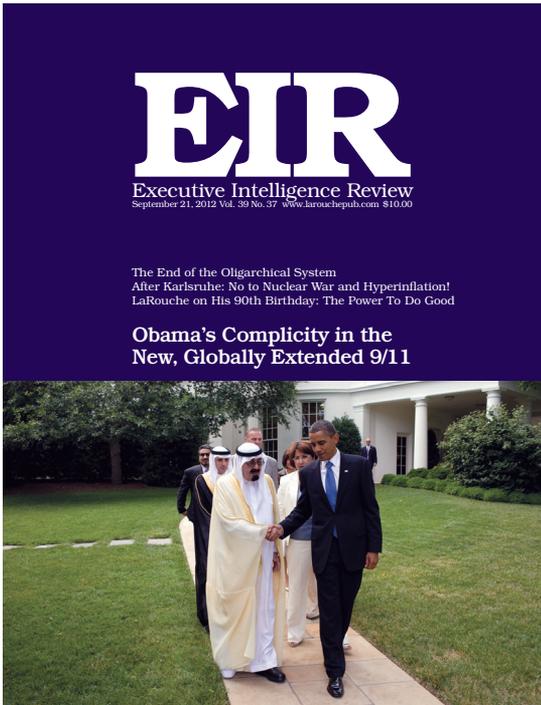
However, the Europeans have undergone such a usurpation of their sovereignty by the EU institutions, that they cannot be expected to move to save themselves now. Only under conditions where the *United States* takes the required actions to bury this bankrupt global system, will there be the impetus to permit an actual solution.

Let's back up the Europeans in the way it counts—with LaRouche's Glass-Steagall-plus program now.

SUBSCRIBE TO

# EIR Executive Intelligence Review

## EIR Online



**EIR Online** gives subscribers one of the most valuable publications for policymakers—the weekly journal that has established Lyndon LaRouche as the most authoritative economic forecaster in the world today. Through this publication and the sharp interventions of the LaRouche Movement, we are changing politics worldwide, day by day.

## EIR Online

EIR Online includes the entire magazine in PDF form, plus up-to-the-minute world news.



I would like to subscribe to **EIR Online**

(e-mail address must be provided.)

- \$360 for one year
  - \$180 for six months
  - \$120 for four months
  - \$90 for three months
  - \$60 for two months
- Send information on receiving **EIR** by mail.

—EIR Online can be reached at:

**www.larouchepub.com/eiw**

e-mail: **fulfillment@larouchepub.com**

Call **1-800-278-3135** (toll-free)

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_

Phone ( \_\_\_\_\_ ) \_\_\_\_\_

E-mail address \_\_\_\_\_

I enclose \$ \_\_\_\_\_ check or money order

Make checks payable to

**EIR News Service Inc.**

P.O. Box 17390, Washington, D.C. 20041-0390

Please charge my  MasterCard  Visa

Card Number \_\_\_\_\_

Signature \_\_\_\_\_

Expiration Date \_\_\_\_\_