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SPECIAL

REPORT

‘CO₂ Reduction’ Is a Mass Murder Policy

**Designed by Wall Street
and the City of London**

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Introduction

This report is being circulated by Executive Intelligence Review on the occasion of the 74th session of the UN General Assembly, which will be preceded by a Climate Summit convened by the Secretary-General. This summit is supposedly being held to “address the climate emergency” and claims that this will “require an unprecedented effort from all sectors of society.”

This unprecedented effort, in order to reduce emissions of CO₂, would be not only costly, but deadly as well. The denial of efficient, affordable energy to a world in need would necessarily lead to the loss of millions of lives and the impoverishment of many millions more.

This is intentional.

Read this report to learn the dark story of the modern environmentalist movement. Come to understand why the world’s greatest financial powers are eagerly supporting climate hysteria. Encounter data refuting the supposed certainty of a world cataclysm facing us in a dozen years, and gain a fuller appreciation of the complexity of the Earth’s climate, in the context of the mechanisms of the solar system and beyond.

Most crucially, grasp the immense potential of the present moment.

We stand at the dawn of a new paradigm of relations among nations and peoples, in which win-win cooperation can replace—forever—the conflict that has characterized the succession of empires plaguing mankind, with the British Empire as its current incarnation.

By ending the imperial idea that growth and development should be prevented to maintain a static hierarchy of power (and a beastly image of mankind!), we can unleash the economic, scientific, and cultural growth that should characterize us as members of the most beautiful species on the planet—as human beings.

This unique potential is expressed in the opening article of this report, a press release written by Schiller Institute Founder Helga Zepp-LaRouche for use during international days of action held by the LaRouche movement and its friends everywhere—in Latin America, in Europe, in Africa, in Asia, and in the United States.

The youth of the world must be rallied to see that climate-change madness is completely contrary to the true identity of man as a spacefaring species, which can, with space technology, solve any problem and overcome any limits.

The Age of Reason Is in the Stars!

by Helga Zepp-LaRouche

There is really good news: Man is capable of reason and therefore of limitless intellectual and moral perfectibility! We can do something that neither the donkeys nor the monkeys can do: We can discover new scientific principles of the universe in which we live, without limits! And these qualitative discoveries mean that, unlike donkeys and monkeys, we are constantly able to redefine even what we consider to be resources, therefore making resources unlimited. We can continue to improve the livelihoods of humanity!

We are experiencing unprecedented, fascinating scientific revolutions: the Chinese are exploring the farside side of the Moon with their *Chang'e* Moon missions, planning to mine helium-3 as fuel for the coming fusion economy on Earth, and next year a Mars mission will investigate the conditions for terraforming the red planet. With their *Chandrayaan 2* mission to the south pole of the Moon, Indians will explore the ice in the craters there, which are always in the shade—water is one of the essential prerequisites for life on the Moon. The European Space Agency is working on concrete plans for international cooperation on a permanent Moon village! The U.S. is building upon the Kennedy Apollo program with its Artemis program, and Russia, the U.S., and China all see nuclear-powered spaceships as the right choice for future flights to Mars and deep into space!

The great thing about space travel is that it proves that we are not living in a closed system in which raw materials are limited and the murderous views of Thomas Malthus, Julian Huxley, Bertrand Russell, and Prince Philip would be correct, but on the contrary, we live in an anti-entropic universe. Space travel is the irrefutable proof that the universe “obeys” an adequate hypothesis of the human mind, and that there is therefore absolute coherence between the immaterial ideas produced by reason, and the physical laws of this universe, and that these ideas are the spearhead of the anti-entropic dynamics of the universe.

There have been groundbreaking proofs recently: about 100 years after Einstein’s theses on the existence

of gravitational waves and black holes, the change in space-time has now been proven, and shortly thereafter, with the help of eight radio telescopes distributed all over the world, images were made of the area around a black hole whose mass is 6.5 billion times larger than that of the Sun, 53.5 million light years away at the center of the M87 galaxy. There is still so much to discover in our universe, where, according to the Hubble Space Telescope, there are at least two trillion galaxies! Space exploration opens up a deeper insight into how the laws of our universe work, and what role we humans play in it!

This is the life-affirming cultural optimism that comes with the idea of humanity as a space-faring species, in complete contrast to the contrived doomsday atmosphere which is spread by the apostles of a coming apocalypse—such as Prince Charles and the hedge-fund cover girl Greta Thunberg. Behind the Greta hype are quite vile interests: the trans-Atlantic financial system is facing a more serious crash than in 2008, and the financial sharks and locusts of the City of London and Wall Street are trying one final big deal, to steer as much investment into “green” technology as possible, before the systemic crisis hits.

A closer look at the various sponsors of Greta’s extremely ambitious and well-funded agenda; of the Extinction Rebellion (XR); and of FridaysforFuture (F4F), reveals that this movement is funded by some of the richest people on Earth, including Bill Gates, Warren Buffett, George Soros, and Ted Turner. The fact is that the beneficiaries of the climate hype and the Green New Deal are the banks and hedge funds.

A ‘Rebellion’ Funded by the Most Privileged

The target of this unprecedented manipulation is you, the young adults, the children and teenagers of this world! Shouldn’t it make you stop and think, when your alleged “rebellion” is supported by the whole spectrum of mainstream media and the entire liberal establishment? Yet the vile idea that manipulating the paradigm-shift of an entire society must begin with the indoctrina-

tion of children is nothing new. As early as 1951, Lord Bertrand Russell wrote in his book, *The Impact of Science on Society*:

“I think the subject which will be of most importance politically is mass psychology. . . . Its importance has been enormously increased by the growth of modern methods of propaganda. . . . It may be hoped that in time anybody will be able to persuade anybody of anything if he can catch the patient young and is provided by the State with money and equipment. The social psychologists of the future will have a number of classes of school children on whom they will try different methods of producing an unshakable conviction that snow is black. . . . not much can be done unless indoctrination begins before the age of ten.”

The goal of the apocalyptic scaremongering by people like Alexandria Ocasio-Cortez (“We have only 12 years left!”) or the head of the British Commonwealth, Prince Charles (“We only have 18 months left!”), is an induced radical change in the way of life of mankind. Everything that we have understood as progress during the last 250 years should be abandoned, and we should return to the technological level that existed before the Industrial Revolution. But this also means that then the number of people who can be sustained at that level will drop to about a billion or less.

It would mean that developing countries would have no prospects for ever escaping poverty, hunger, epidemics and a shortened lifespan; it would be a genocide of an unimaginably large number of people! If “climate scientist” Mojib Latif thinks that the Western lifestyle can not be transmitted to all people in the world, and if Barack Obama is outraged that many young people in Africa want a car, air conditioning and a big house, then behind that lurks the inhuman arrogance of members of the totally privileged upper class. It is precisely this view by the colonial rulers that is responsible for the fact that Africa and much of Latin America are still underdeveloped, and many hundreds of millions of people have died early unnecessarily.

For the developing world, the pseudo-religion of anthropogenic climate change means genocide. For the souls of the young people of the world, the cultural pessimism it induces is a poison that destroys confidence in human creativity. When every activity becomes a problem and is suddenly laden with guilt—eating meat, or eating at all, driving a car, flying, home heating, clothing, and indeed life itself—it destroys any enthusiasm

for discovery, any enthusiasm for that which is beautiful, and all hope for the future. And if every human being is just another parasite that destroys the environment, then quite a few come to the misanthropic conclusions of the mass shooters of Christchurch and El Paso who, in their “manifestos,” cited environmental reasons for their actions.

Conversely, the scientific and technological advances associated with space travel are the key to overcoming all apparent limitations of our present existence on Earth. “Terraforming”—the creation of human conditions—then becomes possible not only on the Moon and Mars, but also here on Earth, and in the future on many heavenly bodies in our Solar system and perhaps beyond.

In his “Anthropology of Astronautics,” the German-American space pioneer Krafft Ehrlicke writes:

“The concept of space travel carries with it enormous impact, because it challenges man on practically all fronts of his physical and spiritual existence. The idea of traveling to other celestial bodies reflects to the highest degree the independence and agility of the human mind. It lends ultimate dignity to man’s technical and scientific endeavors. Above all, it touches on the philosophy of his very existence. As a result, the concept of space travel disregards national borders, refuses to recognize differences of historical or ethnological origin, and penetrates the fiber of one sociological or political creed as fast as that of the next.”

Today, we need this culturally optimistic image of mankind, and the passionate love for humanity associated with it as the only creative species known to date! The fact that we can venture into space means that we can overcome the narrow, earth-bound mindset. “There, in the stars, lies mankind’s entry into the long-awaited Age of Reason, when our species sheds at last the cultural residue of the beast,” as Lyndon LaRouche put it.

It is an incredible privilege to be young now, to reach for the stars and help shape an epoch of humanity that, for the first time in history, can unleash the unlimited potential of our species!

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Frontal Assault on Our Living Standard: Multibillionaires Are Financing the ‘Climate Protectors’!

by Helga Zepp-LaRouche

Written for the German weekly, Neue Solidarität.

Aug. 10—The news is out. According to the latest report of the Intergovernmental Panel on Climate Change (IPCC), the state of the Earth is catastrophic, but we still have a chance. All we have to do is listen to 16-year-old climate figurehead Greta Thunberg of Sweden, the “Extinction Rebellion,” and Dennis Meadows. Not only do we need to be ashamed to fly; we also need to be ashamed to eat meat, or food generally, to drive cars, travel, heat our homes, and, to get right down to it, we should be ashamed that we exist, because it were better for the climate if we didn’t! And, of course, if you haven’t noticed yet: Snow is black!

Anyone who thinks the trans-Atlantic establishment and its science and media PR lobbyists have gone crazy, has a point. But the madness has a method: The apocalyptic theses of this so-called Intergovernmental Panel on Climate Change on the alleged vicious cycle of unsustainable agriculture, global warming, and extreme weather, are supposed to indoctrinate the population into voluntarily giving up consumption, accepting higher taxes to subsidize the steering of financial flows into so-called “green” investments, accepting dictatorial forms of government and—this is now frankly expressed—accepting a massive reduction of the world population.



Dennis Meadows



Thomas Malthus



EU/Lukasz Kobus

Greta Thunberg

IPCC Report: Old Wine in New Bottles

The IPCC report is in fact a long-fermented wine in new bottles, and the argument presented there is ultimately based on the theory, both simplistic and false, of Thomas Malthus, which claims that humanity increases at a geometric rate, while resources, including food production, can only be increased at a slower arithmetic rate. One of the leading neo-Malthusians, Al Gore, added a little sweetener to this wine, admitting that Malthus, of course, could not have foreseen that humankind would make improvements in agricultural technology and therefore could enormously increase the amount of food that can be produced on Earth. But—now the vinegar comes into the wine—to escape this “Malthusian dilemma,” man, like Dr. Faustus, entered into a pact with the devil and com-



Julia Hawkins

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George Soros, one of a number of multi-billionaire funders of the radical climate change movement, flanked by an Extinction Rebellion demo in London and a FridaysForFuture demo in Germany.

mitted himself to scientific revolutions.

So the present-day neo-Malthusians, including the IPCC, are operating from exactly this idea. The achievements of modern agriculture, which has enabled at least a significant part of humanity to have an improved, protein-rich diet, are vilified: meat consumption, as well as other results of scientific progress, are to blame for climate change, and the world can only be saved if we give up driving, flying, heating and air conditioning. And the world population should no longer grow, but must shrink. So, back to the population and living standards of pre-industrial times: horse-drawn carriages for the rich, bicycles or going on foot for the others, and healthy potatoes and millet porridge, this time touted as a vegan diet.

Who Is Funding the Greenies?

A closer look at the financing of Greta Thunberg, the Extinction Rebellion (XR) and Fridays for Future reveals that this movement is being funded by the richest people on Earth. Among the founders and periphery of the Climate Emergency Fund (CEF), are to be found Rory Kennedy, the daughter of Robert Kennedy; Aileen Getty, daughter of the late John Paul Getty; and the “philanthropist” Trevor Neilson, whose career has included various forms of collaboration with Bill Gates, Warren Buffett, George Soros and Ted Turner. According to the *Guardian*, the CEF has already transferred 500,000 euros to XR, which will soon be followed by “ten times as much” money. *Breitbart* has published internal documents from XR, revealing further five- and six-figure donations by Soros, the European Climate Foundation, the Tides Foundation, and Greenpeace Furka Holdings AG, among others.

Such amounts, of course, are proverbial “peanuts”

for jet setters who travel on private planes, helicopters and mega-yachts. Oh yes, and Greta has just embarked on one of these nautical trips to America—“to save flight fuel.” And XR’s Action Handbook, *This Is Not a Drill*, was generously okayed for publication by Penguin Publishers months before its original release date.

At least these sources of funding make it clear that this is a “fake” rebellion. It is not a grassroots movement, but the Greta hype and XR are the result of a well-orchestrated propaganda campaign that uses modern arguments to create a political climate in which the establishment of fascist dictatorships is accepted as unavoidable.

Surprisingly, one of the authors of the 1972 computer-model-based study *Limits to Growth*, Dennis Meadows, recently revealed this blatantly in an article in the French newspaper *Libération*. He writes that climate change and the depletion of fossil energy resources are destroying the basis for the present model of industrial society, refugee flows and famine will increase the chaos, and one thing can be learned from history: that if people have the choice between order and freedom, they will always choose order. Personal liberties are already limited, and this tendency will continue. While this will not resolve the problems that created the chaos, says Meadows, in the short term the political power and financial wealth of those who support authoritarianism will multiply.

A look at history reveals another dimension of the current propaganda campaign. This is not the first time that the financial oligarchy has reacted to a systemic financial and monetary crisis by supporting fascist movements and establishing authoritarian, dictatorial regimes. The international financing of the Nazis by the Governor of the Bank of England, Montagu Norman,

and by Brown Brothers Harriman—the bank of the Harriman clan, who also supported the eugenics movement in the United States—is a well-documented fact.

Eugenics Becomes Global Genocide

History repeats itself, but never in the same way. What was then the racism of eugenics, is today the inhuman doctrine of alleged overpopulation, which was reformulated by ideologists like Julian Huxley in 1946 as an outgrowth of eugenics, because that term was discredited by the Nazis, and therefore a “radical eugenic policy will be for many years politically and psychologically impossible.” Today it is supposedly this overpopulation that is destroying our *Lebensraum* [“living space,” the term used by Nazi geopoliticians]—the Earth.

At the time, this ideology was the breeding ground for the fascist shock troops, who saw their acts of violence justified either by a supposed threat of “communists” or by “non-Aryan” people. And if today’s planet really only has 18 months (as Prince Charles now says), why should not a young person of 17 or 19 years do everything to fight the apparent cause—industrial society—using all available means?

The same media who report on every sound Greta makes as though it were Einstein’s discovery of the general theory of relativity, are dead silent about a passage in the text of the manifesto of the suspected mass shooter of El Paso, where 22 people were recently killed and 24 injured. It does not reflect the policy of President Trump in the least, but very much that of his opponents. The passage in question says:

The American lifestyle affords our citizens an incredible quality of life. However, our lifestyle is destroying the environment of our country. The decimation of the environment is creating a massive burden for future generations. Corporations are heading the destruction of our environment by shamelessly overharvesting resources.

I just want to say that I love the people of this country, but god damn most of y’all are just too stubborn to change your lifestyle. So the next logical step is to decrease the number of people in America using resources. If we can get rid of enough people, then our way of life can become more sustainable.

We Are Not Animals! We Are Human!

The main flaw in this image of man—from Malthus and all the neo-Malthusians to poor Greta—is that

they have all adopted the oligarchic image of man, which regards the masses of humans as parasites, polluters, and even a sort of animal—and from this point of view their reduction of course appears to be a good thing.

But that’s not what people are. Man differs from all other creatures in that, through his native creativity, he continually discovers new principles of the physical universe, and, with the help of scientific and technological advances, can completely redefine the resources that humanity needs for its survival. The major space-faring nations, China, Russia, India, the USA, and in this case even Europe with its European Space Agency (ESA), are demonstrating that humanity is about to create a whole new economic platform, in the sense that Lyndon LaRouche has defined. The idea of a “Moon village,” a permanent industrialization of the Moon as a starting point for a future Mars project and interstellar space flight, redefines everything that humans have previously imagined as “resources” on Earth.

The existential danger for humanity today does not lie in an imminent climate catastrophe, but rather, among other things, in a wrong reaction to cyclical climate change. Above all, it consists in the way in which the neo-liberal oligarchy, in the tradition of the 1930s, is responding to the new world financial and monetary crisis: by supporting fascist movements and attempting to establish a dictatorship—even if this time an eco-dictatorship.

The same British-dominated oligarchy, just as it did then, is resorting to geopolitics, to the destabilization of alleged adversaries, such as the current attempt to weaken China and Russia through “color revolutions,” and, if possible, to bring about regime change there. That the German Greens Party is a compliant instrument of this geopolitics has been adequately demonstrated by Greens leader Joschka Fischer’s support for the NATO war against Yugoslavia in 1999, as well as by the Greens’ support for a deployment of the German Armed Forces to the Persian Gulf.

If we have learned anything from history, it is not to let those events run their course, if we want to prevent an escalation into a Third World War. We urgently need a return to the Abrahamic-humanistic image of man, which regards man as intellectually and morally infinitely perfectible! Even though this is a minority opinion that, according to Chinese artist/activist Ai Weiwei is not paid any respect in Germany, it is still in accordance with the reality of humanity in the universe.

—zepp-larouche@eir.de

How Climate Hysteria and Radical Environmentalism Are Supposed to Save the System

by EIR staff

Greening World Finance

Sept. 20—The global push for a transition to a “climate sustainable economy” cannot be understood unless it is put in context of the bankrupt global financial system. The “greening of the economy” is nothing but the last effort to bail out the system with a new giant financial bubble. Not accidentally, in a [paper](#) published on September 12, 2019, the Institute of International Finance, the cartel of the financial industry, has characterized the green economy as “the new gold.”

As we are drafting this report, central banks and government efforts to keep the global financial system artificially alive after the 2008 financial crisis are approaching their exhaustion. The big 2008 bailout blew out central bank balance sheets and pushed government budgets to the limit of over-indebtedness, rolling over and actually increasing the global debt bubble.

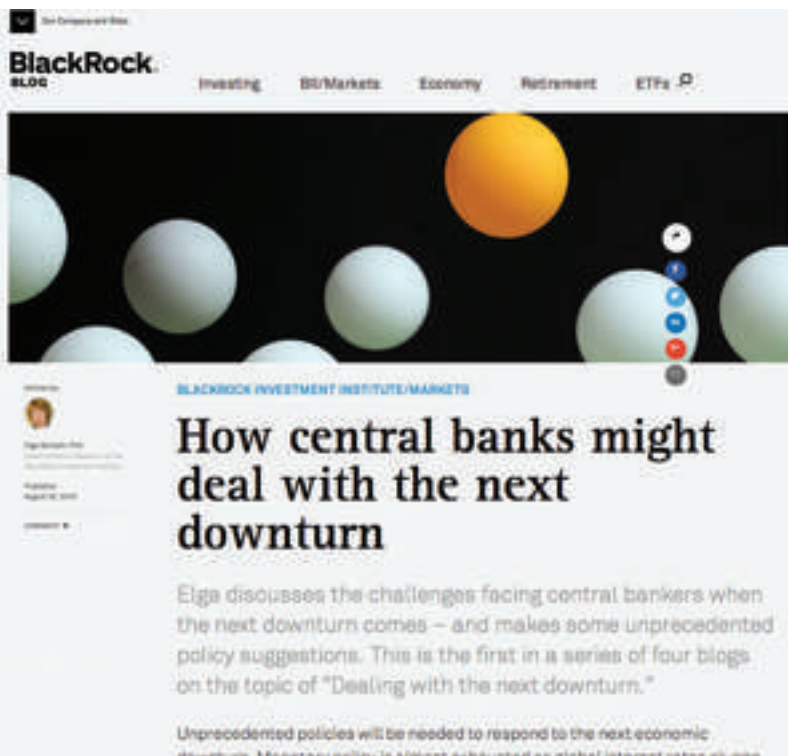
Overall, global debt had grown to \$244 trillion as of the third quarter of 2018, a 100% increase from a decade ago. At the same time, austerity measures implemented by governments in order to make the bailouts “fiscally sustainable” have brought the real economy to a halt. A decade of liquidity injections by central banks with zero and now negative interest rates has kept inflating the bubble while failing in the purported aim of reviving the real economy.

As a result, the system is facing a liquidity crisis in the short term, which will require an even larger bailout effort than in

2008, when the Fed alone committed up to \$16.8 trillion overnight to prevent a total collapse.

Nobody has the crystal ball to forecast when the collapse will occur, but warnings such as the one that occurred on September 17, when a liquidity crisis sent the interbank lending rate up to 10%, forcing the Federal Reserve into emergency liquidity actions and back toward quantitative easing programs, should be taken seriously.

The answer of the financial industry to the threatened collapse of the system is the creation of a new giant bubble financed with taxpayers’ and “helicopter”





wikipedia

Philipp Hildebrand, former Swiss National Bank chairman



CC/Policy Exchange

Mark Carney, Governor of the Bank of England.

policy that’s as big a deal as the one we saw between pre-crisis [of 2008] and post-crisis, a blurring of fiscal and monetary activities and responsibilities.

In this “regime change,” the central banks will still be independent of the governments, but the governments won’t be independent from central banks. BlackRock called its immediate scheme the Standby Emergency Fiscal Facility, or SEFF.

From his side, Carney, speaking at the Jackson Hole meeting, proposed that, to have a world economy less hostage to the United States-China trade disputes, one should create a synthetic world currency to replace the dollar, an international new reserve digital currency he calls

a “Synthetic Hegemonic Currency” (SHC). He described it as being modeled on Facebook’s proposed Libra, *but* issued and controlled by central banks working with, but ruling *over* governments.

The central banks’ “regime change” could happen much more quickly than Mark Carney was letting on in

money. The new bubble is called “green finance.” It won’t work, but it will do devastating damage to society if we don’t stop it in time.

A ‘Regime Change’ For the Financial System

In leading the efforts for “greening” the financial system, both Bank of England Governor Mark Carney and Wall Street giant BlackRock LLP are promoting many other new and exotic ideas to save the current bankrupt system.

Among the proposals brought up, before and after the meeting of central bankers at the Kansas City Fed’s August 2019 Economic Policy Symposium in Jackson Hole, Wyoming, is that offered by four prominent BlackRock executives, who issued a paper proposing a new monetary policy to be applied when the next crisis hits; they called it “going direct,” meaning that central banks could print money and directly lend to governments, institutions, firms, etc. Such a policy, sometimes called “helicopter money” (as by former Fed Chairman Ben Bernanke), is supposed to allow a return of some desired inflation without increasing public debts.

One of those executives, former Swiss National Bank Chairman Philipp Hildebrand, called the scheme a “regime change” in monetary affairs in an interview with Bloomberg Aug. 15, 2019:

We are going to see a regime change in monetary



his remarks about a “Libra-like” digital currency replacing the dollar.

The global pile of bonds with negative interest rates has climbed to nearly \$18 trillion, more than 30% of the entire universe of bonded debt. There is almost no “advanced economy” government debt outside the United States which does not have a negative yield. And U.S. Treasury rates are being pushed toward zero interest, as the Federal Reserve cuts rates and as investment funds exit from negative-interest bonds elsewhere and pour into Treasuries, where interest, for a little while longer, can still be earned.

Lending at significant interest now characterizes an increasingly “subprime” world of corporate leveraged debt (lending to already super-indebted companies and “zombie companies), consumer rotating credit such as credit cards, auto loans, etc., and debt of cash-strapped local agencies. Above all, lending at interest characterizes speculative trades and instruments, etc., including those derivatives contracts which enable profits to be made by lending at negative interest! This regime prioritizes securitization and speculation more and more, and is now looking toward another crash of unsupported and unpayable “subprime” debt of various kinds—the “everything bubble.”

In a world of negative-interest sovereign debt, investor demand for governments’ sovereign debt could, in the very near future, drop significantly. Already on Aug. 21, another “shocking” development occurred: A 2-billion-euro German government bond, of 30-years maturity but with a negative interest rate [!], failed to sell at auction. This leaves big dealer banks holding sovereign debt which didn’t sell, to be bought by the central banks—which was the outcome in the German case.

And in a second step, it can leave the central banks to simply print the whole amount which governments once borrowed for their spending. That is the regime-change BlackRock proposed.

Digital Money and Green Boondoggles

As “shocking” as BlackRock’s scheme and Mark Carney’s “Libra-like” proposal are in themselves, equally striking is that both are leaders in the current “climate change finance.” The Green Finance Initiative of the central banks is spearheaded by Carney’s Bank of England.

BlackRock LLP, together with the Rhodium Group, are pushing a sophisticated “Google Maps”-type pro-

gram classifying the “climate change risk” to investments in U.S. municipal bonds, electric utilities, and commercial real estate, literally property by property. Risk, that is, from “extreme heat waves,” wildfires, floods, extreme storms, etc. Fossil fuel production facilities are all classified “high risk” in this program, reflecting only the virtual reality of investment advice—get out of them.

BlackRock’s program is a pilot project for the “sustainable finance classification system” the European Commission is working at, also called “Taxonomy” (see below, “The High-Level Expert Group on Sustainable Finance”). Once the Taxonomy system is in place, customers can be induced to invest their money into “green projects,” and a “committee of experts” can be designated by central banks to decide how to spend the money printed for government “use in creating inflation.”

On the record of their current activity, if the BoE’s Carney and BlackRock’s “experts” get their way, “green finance” is going to be the central banks’ favorite cause for printing “fiscal money for purposes of inflation” (“helicopter money.”)

And no such helicopter money is more finger-tip controllable by central banks than a world digital currency issued by them.

As Lyndon LaRouche said, if London, Wall Street and the central banks stubbornly refuse to accept the necessary bankruptcy reorganization of their system, they have no other option than to supply the rope to hang themselves. The straightforward and urgent measures to prevent them hanging all of us with them, are the Glass-Steagall Act, and pushing the central banks aside by creating “Hamiltonian” national banks to issue productive credit for national purposes.

The Tipping Point

In his 2019 book *Hydrogen is the New Oil: How 7 Energy Battles Are Giving Birth to a Carbon-Free World*, French energy expert Thierry Lepercq prophesizes that what happened to the subprimes is about to happen to the financial assets of the oil and gas sector:

In effect, the investments into subprimes, real estate loans made to people not really able to repay them, were all based on a single strong conviction: the U.S. real estate market, which



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The heads of delegations to the UN Climate Change Conference Paris COP21, left to right: Enrique Peña Nieto, François Hollande, Angela Merkel, Michelle Bachelet.

never saw a low for generations, would never decline. Therefore, if somebody didn't repay his subprime loan, the bank would evict the person and by selling the house, get more money back than ever invested.

However, when the real estate bubble fueled by the subprimes reached its tipping point in 2007, all the actors, banks, professionals, public authorities, were in a state of denial: "It cannot go down." ... In one instant, the markets shifted from confidence (based on denial) to panic, the effect of a thousand beating wings of a butterfly.

The author's evaluation is that the Divest Oil Initiative, which encourages investors to sell shares and bonds of oil and gas companies, is gaining steam. At the end of 2018, already \$6 trillion had left the sector.

Towards a 'Minsky' Climate Moment

It has to be noted in this context, that Bank of England Governor Mark Carney and his French counterpart Villeroy de Galhau, former BNP Paribas investment banker now governor of the Banque de France, have repeatedly called the world's financial institutions to take into account the risk of a sharp and sudden drop in the value of financial assets challenged by energy transition.

According to the current Malthusian financial oligarchy, the estimated amount of losses of "stranded" assets, i.e., the fossil energy resources considered from

now on as "non-exploitable" for reasons of carbon emissions and climate hysteria, is evaluated at \$20 trillion since the historic speech of Mark Carney at the 2015 G20 summit in Belek, Turkey. At that time, Carney, who, besides being the Governor of the Bank of England, presided over the Bank for International Settlements' Financial Stability Board and served a role in the crafting of the Preamble to the Paris COP21 Climate Summit Agreement, colorfully described the pending risk as a "Minsky climate moment," a brutal crash of stranded fossil fuel-related assets.

Some insiders of the current financial system believe that such a

"Minsky climate moment" represents the miraculous opportunity of a systemic breaking point eventually allowing them to save their failed financial interests via a green overhaul of the global financial system.

To such insiders, the decision is whether to wait for—or, even better, to cause the emergence of—the right time to sell, or even to short these assets that are considered intrinsically worthless, and to do so at what they hope will be their highest price before collapsing.

Profiles of the Green Finance Conspirators

The December 2015 Paris COP21 conference was a watershed for Green Finance policies. Although the recommendation to build a Green Finance system was already the essence of the famous 700-page [report](#) on the "economics of climate change" commissioned in 2006 by the British government and written by London School of Economics economist Nicolas Stern, it was the Paris COP21 that for the first time Green Finance made its way into a final document.

In that framework, the following institutions, among others, were founded:

- The Network for Greening the Financial System (NGFS), to convince and engage central banks and supervisors in policies to "green" world finances;
- The High-Level Expert Group on Sustainable Finance (HLEG) to draft EU policies;

- The Green Finance Institute (GFI), to make sure that the City of London maintains its hegemony over the “Greened” finance system.

The common purpose of those initiatives is to promote legislation that diverts financial flows from the “CO₂ economy” into a “CO₂-free economy.”

Network for Greening the Financial System

The Network for Greening the Financial System (NGFS) was created at the COP21 by eight central banks and supervisors and now has 42 members and eight observers. Its stated purpose:

To help strengthen the global response required to meet the goals of the Paris agreement and to enhance the role of the financial system to manage risks and to mobilize capital for green and low-carbon investments in the broader context of environmentally sustainable development.

What distinguishes the NGFS from the other Green Finance institutions is the “manage risks” function proper of supervisors and central banks. Being aware of the fact that a massive shift from CO₂-connected assets to CO₂-neutral assets can provoke a deadly shock to the financial system (the “Minsky climate moment”), the task is to price that risk and build reserves—or their equivalent.

Its mastermind appears to be Bank of England Governor Mark Carney. Its steering committee is heavily populated by Northern European institutions: Bank of England, Banque de France, Bundesbank, Nederlandse Bank, and the Swedish FSA. The Bank al-Maghrib, Banco de México, Monetary Authority of Singapore, and the People’s Bank of China are also members of the steering committee.

Its website and administrative HQ is hosted by the Banque de France in Paris following Carney’s full backing of Villeroy de Galhau, a former executive of BNP Paribas currently governor of the Banque de France.



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Villeroy de Galhau, governor of the Banque de France.

On April 17, 2019, the NGFS presented its latest report, “A call for comprehensive action.” At the presentation event at the Banque de France, François de Vilhau had the following to say:

Climate change is real; it is global and irreversible. Even if policymakers bear the primary responsibility, we need all hands-on deck to tackle climate change, as demonstrated today with this wide audience. Indeed, ‘preventing the airplane from crashing’ remains a continuous endeavor, which is now undertaken by many more institutions every day. In mainstreaming sustainable finance, finance cannot replace

policymakers, but finance can help. And as a central banker and supervisor, the Banque de France is determined to help. Last year, in Amsterdam, I even said that this challenge is our ‘new frontier.’ This is why we initiated the Network of central banks and supervisors for Greening the Financial System (NGFS), during the One Planet Summit on December 2017. And, in 16 months, our club of the willing has increased almost fivefold, from 8 founding members to over 40 members and observers with its Chair Frank Elderson [official of the Dutch Central Bank and member of the Supervisory Council of the European Central Bank] and the Banque de France as Secretariat. We are now represented on the five continents; NGFS members’ jurisdictions cover 44% of global GDP and 45% of greenhouse gas emissions. We collectively supervise two-thirds of systemic financial institutions, banks and insurers alike. What appears obvious to most of us today was not previously set in stone.

The report recommends four actions:

First, integrate the monitoring of climate-related financial risks into day-to-day supervisory work, financial stability monitoring and board risk

management. Supervisors are encouraged to set expectations to ensure financial firms are adequately addressing the financial risks from climate change, including by conducting scenario analysis to assess their strategic resilience to climate change policy. Firms are encouraged to take a long-term, strategic approach to the consideration of these risks, and to embed them into their business-as-usual governance and risk-management frameworks.

Second, lead by example. Central banks are encouraged to integrate sustainability into their own portfolio management.

Third, collaborate to bridge the data gaps to enhance the assessment of climate-related risks. Public authorities should share and if possible, make publicly available any climate-risk data.

Fourth, build in-house capacity and share knowledge with other stakeholders on management of climate-related financial risks. An important element to achieving effective consideration of climate risks across the financial system is to support internal and external collaboration.

The High-Level Expert Group on Sustainable Finance

The High Level Expert Group (HLEG) on Sustainable Finance was created in 2016 and drafted what has become the Commission Action Plan, approved by the EU Council in February 2019.

Founder of the HLEG is Christian Thimann, Chairman of the Management Board at Athora Insurance Holding Germany, and former senior AXA manager, long-time advisor to the EU Commission and the ECB. Thimann, who teaches at the Paris School of Economics, boasts of having drafted the infamous EU Fiscal Compact together with Olivier Guersant, Director-General of the EU's General Directorate on Financial Stability and Capital Markets (DG FISMA), who later founded the HLEG with Thimann and EU Commissioner Valdis Dombrovskis.

In a speech at the House of Finance at Goethe University in Frankfurt on July 27, 2019, Thimann said:

If you read the [COP21] Agreement suddenly in Article 2, the financial sector is mentioned. It was an issue for ecologists, industrialists, and scientists. And suddenly in the 21st session

[i.e., COP21] you have a remarkable sentence about finance. It says the following: “The climate targets will only be achieved, if we start to reorient capital flows towards a low emission world. . . .”

This is now a process that is going on, where the European Commission is asking experts from the private sector: Can you please tell us, how we would do that...? And this is the program that the commission has been working on for two years, which is now being cast into law.

Thimann went on to praise Greta Thunberg's FridaysForFuture and Extinction Rebellion (XR) movements, saying:

And then come the political lessons, when 12 million young people come into the streets and suddenly you have this big topic going.

In a March 13, 2019 article, Thimann recounted the “inside story” of how the HLEG came to life and how it drafted the EU Action Plan. In only three years of work, the HLEG has lobbied all EU institutions, committees and subcommittees, held a consultation with financial institutions and issued a final report in January 2018. But,

Before we had published our final report, we had in a sense achieved our goal: to make sustainable finance a permanent part of Europe's approach to governing capital. Two months later, the Commission released its own action plan, with a striking correspondence between our core recommendations and its proposals for hard policy and regulatory action. Now one year on, the intensity of EU action on sustainable finance is truly impressive, whether on developing a common taxonomy, introducing new labels and standards, incorporating sustainability into investment advice, integrating environmental, social and governance (ESG) into credit ratings, clarifying investor duties, upgrading prudential regulation, or strengthening disclosure and corporate governance. At the end of February 2019, the EU approved the first legislative action under the Action Plan focusing on investment benchmarks.

Composition of the High Level Expert Group on Sustainable Finance, founded December 2016

Expert	Title	Organisation	Stakeholder group
BECKER, Julie	Member of Executive Committee	Luxembourg Stock Exchange	Finance (stock exchange)
BILLING, Magnus	CEO	ALECTA	Finance (pension fund)
CANFIN, Pascal	CEO	WWF France	Civil society
DUPRE, Stan	CEO	2° Investment Initiative	Civil society
FISHER, Paul	Senior Associate	University of Cambridge	Academic
GROSZEK, Mieczyslaw	Vice President	Polish Bank Association	Finance (banks)
HARRIS, David	Head Sustainable Business and Director of ESG	London Stock Exchange Group	Finance (stock exchange)
HOLMES, Ingrid	Director	E3G	Civil society
HUSSON-TRAORE, Anne-Catherine	CEO	NOVETHIC	Research
KIDNEY, Sean	CEO	Climate Bonds Initiative	Civil society
KIVISAARI, Esko	Deputy Managing Director	Federation of Finnish Financial Services	Finance
KRUSE, Claudia	Managing Director, Global Responsible Investment and Governance	APG Asset Management	Finance (asset manager)
MATTISON, Richard	CEO	TRUCOST (S&P Global)	Finance (ratings/analytics)
McCarthy, Arlene	Special Advisor to the Chairman, Bloomberg	AMC Strategy	Finance (data/analytics)
MICILOTTA, Flavia	Executive Director	EUROSIF	Civil society
SCHMIDT, Michael	Board Member	DEKA Investment	Finance (asset manager)
THIMANN, Christian (Chairperson)	Group Head of Regulation, Sustainability and Insurance Foresight	AXA	Finance (insurance)
VANDER STICHELE, Myriam	Senior Researcher	SOMO	Civil society (Research)
WAYGOOD, Steve	Chief Responsible Investment Officer	AVIVA investors	Finance (insurance)
ZAOUATI, Philippe	CEO	MIROVA	Finance (asset manager)

Green Finance Initiative

The Green Finance Initiative (GFI) was created in London in 2018 to make sure that the City of London remains in control of the “greened” financial system.

On its web page, GFI states:

The City of London Corporation—the body responsible for running London’s Square Mile—regards green finance as prudent, profitable and one of the best tools available in the race to cut carbon. That’s why, in January 2016, we launched our Green Finance Initiative in partnership with government.

The initiative brings together international expertise from across the financial and professional services sector. It aims to:

- Provide public and market leadership on green finance;
- Advocate for specific regulatory and policy proposals that might enhance the green finance sector worldwide;
- Promote London and the UK as a leading global centre for the provision of green financial and professional services.

The GFI’s chairman is Sir Roger Gifford, a British banker whose connections to Sweden raise questions about the network that controls Fridays4Future’s Greta Thunberg. (Also take note of the fact that one of the primary controllers of the pathetic Thunberg is Pro-



revenue-generating and profitable solutions with business, with policy makers.”

In other words, the financial “industry” will “produce” new securities and derivative “instruments” to draw liquidity issued by central banks. A portion of those securities will be even purchased by the ECB in its next asset purchase program.

The launch of the GFI during the Climate Action Week shows how the financial institutions, the media, the corrupt political elite and the XR battering ram acts in a coordinated way to achieve their aims.

One month earlier, The Extinction Rebellion (XR) movement had scored its first success in the United Kingdom, where the House of Commons adopted its demand of declaring a Climate Emergency on May 1. The motion for a Climate Emergency was introduced by Labour leader Jeremy Corbyn.

fessor Kevin Anderson, a leading climate fanatic in the UK, who predicts that only an elite of one-half billion people will survive the coming global warming disaster.)

Gifford is UK head of branch of Skandinaviska Enskilda Banken, the Swedish SEB bank, which does some financing for IKEA, whose Daniela Rogosic, their global PR director, is on the Advisory Board of Greta promoter Ingmar Rentzhog’s “We Don’t Have Time” platform. Gifford is also head of the British-Swedish Chamber of Commerce.

The GFI was publicly launched during the Climate Action Week last July in London. Presenting the new institute, initially funded by the UK Treasury and the City, former Barclays banker and GFI CEO Rhian-Mari Thomas explained that the GFI mission:

To accelerate the domestic and global transition to a zero carbon and climate resilient economy through mobilizing capital.” The main focus of the GFI will be to build “capacities and financial products to finance resilient [green] infrastructure” globally, “financing sustainable commodity production across the supply chain,” and “enforcing leading financial institutions to co-create the

The Sustainable Finance Working Group

The Sustainable Finance Working Group (SFWG) is the “private counterpart” to the work of the Central Banks and Supervisors Network for Greening the Financial System. Established in 2018 by the Institute of



International Finance (IIF), the global association of financial institutions, the IIF has co-authored all decisions to bail out and “reform” the financial system since 2008, including the introduction of the infamous “bail-in” procedures. One could actually say that the financial industry represented by the IIF and the system of central banks is one and the same thing, as proven by their officials going through revolving doors in both directions. Indeed, current chairman of the IIF is Axel Weber, former head of the Bundesbank.

On its website, the SFWG states its aim:

To bring together key stakeholders to identify and promote capital markets solutions that support the development and growth of sustainable finance. The SFWG includes representatives from global banks, major institutional investors, credit ratings agencies, consultancies and other interested parties, as well as public sector collaborators such as the UN Environment Programme (UNEP), World Bank/ IFC and many more.

The IIF Sustainable Finance Working Group is chaired by Daniel Klier, Group Head of Strategy and Global Head of Sustainable Finance for HSBC (formerly the Hong Kong and Shanghai Banking Corp.) The SFWG has four subgroups, which cover a range of themes including:

- Engagement with Regulators and Policymakers (including the Central Banks and Supervisors Network for Greening the Financial System);
- Disclosure and Data (including the work of the Task Force for Climate-Related Financial Disclosures);
- Taxonomy and Impact Investment (defining and scaling up sustainable finance); and
- Climate Economics (understanding the impact of environmental, social and governance (ESG) risks for the global economy and financial stability).

The SFWG boasts:

IIF member firms around the world have been launching a wealth of new products, investment vehicles and programs to help bring sustainability considerations into the mainstream of global



finance. Our job is to help connect these initiatives and align forces with public sector efforts to reach the same vitally important goals.

SFWG’s Chair Daniel Klier comes from HSBC, one among the top speculative megabanks in the world. HSBC’s derivatives book expanded 15% in the first six months of 2019, with gross derivatives notional value standing at \$39 trillion at the end of June.

In a letter to the European Commission dated March 25, 2019, the IIF recommends that the Taxonomy scheme being worked out at the Commission leaves no option to companies but to engage in the Green economy. The perspective it gives for manufacturing companies and farms is: either you go green or you die.

The letter is signed by Sonja Gibbs, IIF Managing Director and Head of Sustainable Finance and Global

Policy Initiatives. Mrs. Gibbs is co-author of a [report](#) dated Sept. 12, 2019, with a self-betraying title: “Sustainable Finance in Focus: Green Is the New Gold.” The authors gloat about the growth of the green bubble, which “came close to \$235 billion in the first eight months of 2019,” and is expected to reach \$350 billion in 2019. A chart shows that returns on so-called green bonds have been higher than Investment Grade Bonds: 14.8% vs. 13.8% cumulatively 2017-to-date.

However, the green bond market is still miniscule: 0.5% of the \$110 trillion global bond market. The IIF suggests a few measures to promote its expansion, including providing more liquidity and the “further development of a green high-yield bond market, as well as green securitization and green lending markets.”

High-yield is a synonym for junk bonds. Securitization allows spreading the risk across the global system. This is repeating the same failed recipes over and over again in the hope that they will work.

Green New Deal

The Worst Infrastructure Plan Is Also the Most Expensive

The cost of building solar power infrastructure—solar panels and photovoltaic cells—has been reduced further in China than in any other country. There, what are sensibly called “rooftop solar” installations are paid no more when they sell power to the city grids, than they are charged when they have to buy power because the sun is not shining. Thus, since May of 2019, no subsidies have been paid out.

But this does not make solar a baseload power source. The users rely on a local or regional grid that is powered by baseline power sources, most often coal- or gas-powered plants. The energy efficiency is low; the power density is, comparatively, even lower. Nor does this exchange price between “rooftop solar” and the grid express the *actual* costs of solar power; solar power is still dependent on a publicly-financed power grid. Anyone talking about “going off the grid” is speaking



Green New Deal rally, in Detroit, July 2019.

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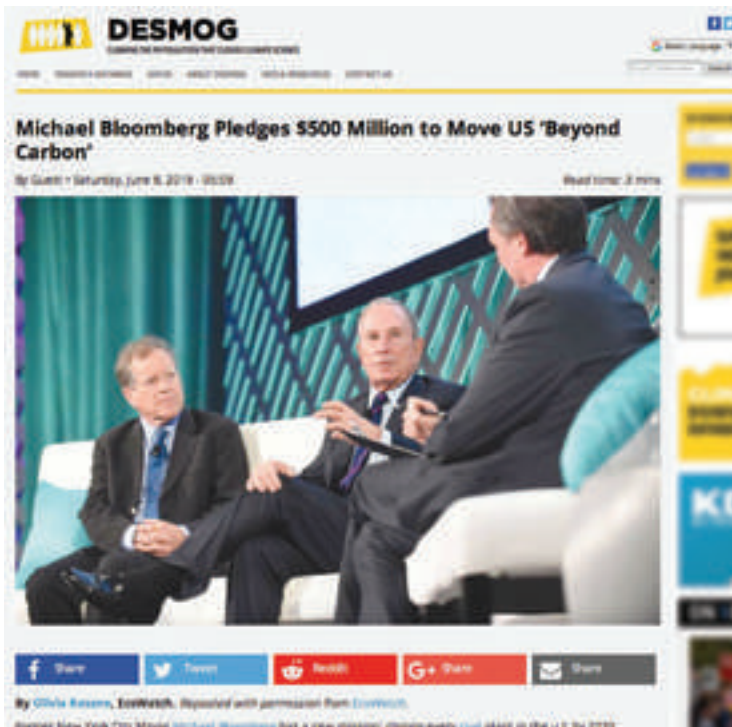
only of the smallest installations on a house or shed, and relying on expensive batteries to store enough power for that micro-installation.

When it comes to what are called in China “solar plants,” which are intended to provide power to a commercial enterprise like a warehouse or a computer center, the state subsidy definitely remains in place even in the power exchange; and the uncounted costs are much higher. The solar panels are not placed on the roof of the building, but in a “solar farm” more or less distant from the commercial facility, and additional elements of the electric grid are needed to step up, transport, and step down the electric power.

Far more important: Solar and wind power are completely inadequate to greater human enterprises because of their very low and varying (intermittent) power density. Can anyone imagine launching into space on a solar-powered rocket? Riding a magnetic levitation railroad powered by wind turbines?

Since 2006, massive programs to build solar and wind farms and new electric grids to link them, have always been accompanied with proposed heavy new taxes, sometimes on “the wealthy,” but always on “carbon”—that is, coal and oil production, blast furnace steel production, gasoline and internal combustion engines, etc.

This began with the “Global Green Party,” including the U.S. Green Party, in 2006, inspired by the Intergovernmental Panel on Climate Change (IPCC); then the British “Green New Deal Group” in 2008; and most



influentially, the United Nations Environmental Programme’s Green New Deal proposal that same year.

In the United States this idea of a heavy carbon tax for “green” spending is being pushed by the senior figures of the Wall Street establishment: George Shultz, James Baker III, and Michael Bloomberg.

The “Baker-Shultz carbon tax” of \$40/ton rising to \$65/ton is being promoted personally by these figures into Congress and the financial and business community, avoiding demonstrations and publicity. Acting in parallel is the biggest and most powerful investment fund on Wall Street, BlackRock LLP, as already detailed above.

Multibillionaire Michael Bloomberg is more the activist, having considered a 2020 presidential campaign as a green new deal Democrat. Bloomberg’s green-infrastructure colleague Arnold Schwarzenegger, under sponsorship by the British Rothschilds and the royal family, had publicly toyed with the same idea in 2008, despite not being U.S.-born. Bloomberg gives green grants through his foundation, including one, for the “greening” of Georgetown, Texas, which wrought such misfortunes that the city of 70,000 has demonstratively given it back.

As in that misguided example, the basis of the Green New Deal has always been the same since 2006:

- shut down electricity production by coal, oil, nu-

clear power, and to a great extent by hydroelectric power;

- replace it all, somehow, by solar and wind farms and geothermal energy schemes;
- build new electricity grids to transfer this power from the desert, mountain, and rural plains areas where it will be generated.

Advocates of such a scheme must deal with the uncomfortable fact that the intermittent power sources they propose must be backed up by “spinning reserve power” produced with natural gas—a fossil fuel—all the while promising that breakthroughs in “energy storage”—huge batteries—will, someday, replace the natural gas turbines.

They do not hide the fact that they plan to spend immense funds carrying out their scheme.

Now, with the Green New Deal resolution/legislation put into Congress at the start of its current session in January 2019 by Sens. Ed Markey and Bernie Sanders and Rep. Alexandria Ocasio-Cortez, another order of magnitude has been added to the spending: simply printing money.

Funding would come primarily from certain public agencies, including the U.S. Federal Reserve and a new public bank or system of regional and specialized public banks.

More than 40 Democrats in Congress endorsed this resolution, with some sleight-of-hand about imitating the German Kreditanstalt für Wiederaufbau (KfW), the Franklin Roosevelt era Reconstruction Finance Corporation (RFC) or the Asian Infrastructure Investment Bank (AIIB).

The Democrats now insist that any “infrastructure” legislation has to claim a connection to the KfW, which has become Germany’s largest lender to “green” solar and wind projects. But unlike the KfW or the AIIB, the Federal Reserve issues currency, i.e., prints money. That gives you an idea that the immense planned expenditures for a “Green New Deal” are now going far beyond a carbon tax alone.

Sen. Bernie Sanders’ Green New Deal, the latest one, specifies throwing \$16.3 trillion in public funds alone into the green pot, in the decade to Jan. 1, 2030, by which time the United States economy and households are supposed to be using exclusively solar, wind, and geothermal electricity.



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Democratic Presidential Green campaigns in Detroit, August 1, 2019.

Suffice to say that \$8 trillion is the highest estimate any expert has made, of the investment needed to build new high-technology platforms of U.S. economic infrastructure as a whole—redeveloping ports, replacing old lock-and-dam systems, building protective sea gates and seawalls against destructive storms, electrifying intercity and urban rail corridors, new water management and water purification and desalination projects, etc., *and* to add a great deal of highly efficient nuclear baseload power to the electricity grid for economic expansion.

Why is it that part of Sanders' Green New Deal, demands putting twice that much into what is best called an attempted “re-electrification” of the power grid with solar and wind power, and an intention to replace fossil-fuel road driving and structural heating with electric cars, trucks and buildings? The Sanders proposals don't even consider electrifying the existing rail system, much less expanding and improving it.

The partial answer is that solar and wind technologies are far below nuclear or even coal, in energy efficiency, power density, reliability, and useful life. Solar and wind require new energy storage systems of huge batteries—\$850 billion, says Sanders. They will require a new electric grid, because they are generated at such great distances from the centers of industry and urban life—another \$560 billion, says the Senator. Plus

some \$1.65 trillion to build the massive solar and wind farms themselves, gobbling up hundreds of times more space than nuclear plants producing—reliably and constantly—the same electrical power.

The Green New Deal says:

The New Deal provided inexpensive electricity to America through efforts like the Rural Electrification Administration and the Federal Power Marketing Administrations. If the federal government was able to electrify America under FDR without computers or any of the modern technologies we have available to us today,

think of what we can do today.

As if computers produced electricity rather than consuming it! The New Deal electrification was actually based, above all, on the creation of great new electric generation capacity with *hydropower*, then a more efficient electricity technology than steam from coal or oil, and one which used ongoing technological breakthroughs in dam design and construction. This was a technological step forward; solar and wind power are leaps backward.

In fact, Sen. Sanders' \$16.3 trillion appears to be a public funds *underestimate*. A group of academics at Stanford University, led by Environmental Engineering Prof. Mark Jacobson, published “[road maps](#)” for all 50 states to reach a so-called “zero-emissions economy”—in their planning, by 2035 rather than Sanders' 2030—and they say it will take \$25-30 trillion! That's 3-4 times the highest estimate yet made by sane experts for a complete high-technology rebuilding of America's economic infrastructure. Jacobson's team includes Dr. Jonathan G. Koomey of Stanford, who works out of George Shultz's Rocky Mountain Institute; and Prof. Robert Pollin of University of Massachusetts, who runs a “green energy” company which would greatly benefit, and has worked for the United Nations and—for the Sanders Institute of Senator Bernie.

Failure of Wind and Solar Gaining Recognition: Time for LaRouche's Nuclear Program

by Benjamin Deniston

On Sept. 17, 2019, the leading climate “skeptic” site WattsUpWithThat.com posted an [article](#), “Why today’s renewables cannot power modern civilization,” by Lars Schernikau, PhD, providing some additional insight into the high costs of wind and solar.

As the LaRouche science team has reported in recent years, there is a massive discrepancy between the dropping costs of individual wind and solar units, and the rising total costs of electricity in countries with large-scale implementation of wind and solar (e.g., Germany and Denmark). The reason for this discrepancy is clear. The low power density and irregularity of supply of sunlight and wind, means that such electricity generation requires a massive supporting infrastructure, redundancy, and backup power, when such generation is scaled up to significant national economic levels, which then dramatically drives up the total cost.

As a result, electricity costs rise in direct correlation with the amount of wind and solar implemented. This was spelled out in a 2015 [article](#), “Green Mythology and the High Price of European Electricity,” by Dr. Euan Mearns that noted that Denmark and Germany’s 1,000 watts of installed solar and wind capacity per capita came with the highest electricity costs globally (excluding small island nations), at 30 euro cents/per kWh. European nations with half that per capita level of wind and solar capacity, 500 watts, paid a third less, 20 euro cents/per kWh (e.g., Portugal, Belgium, Austria); and nations with 100 watts or less of wind and solar capacity per capita had electricity prices half or less than Germany/Denmark, 10 to 15 euro cents per/kWh (e.g., Poland, Turkey, and Finland). These were values from 2015. Average U.S. electricity prices were just under 10 euro cents at the time.

The article on WattsUpWithThat.com provides some updated figures, and references a new cost estimating methodology developed by the International Energy Agency (IEA). The article notes that previous



Turbines at Altamont Pass Wind Farm.

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GEOSOL

A solar energy plant in Leipzig, Germany.

IEA estimates of wind and solar costs failed to account for “(1) the additional cost of interconnections required... (2) the cost of managing networks with highly volatile energy inputs... (3) the efficiency losses resulting from keeping coal, gas, or nuclear power as backup.” To attempt to account for these additional costs, in 2018 the IEA developed the “value-adjusted levelized cost of electricity” (VALCOE).

To put this in concrete terms with an example: Under the prior methodology—not accounting for these additional costs of scaling up wind and solar—it was claimed that for India, electricity from solar will be cheaper than from coal by 2025, and solar electricity prices in India would continue to drop after that. Under the new methodology (accounting for these additional costs), solar electricity cost in India not only fails to ever match coal, solar power cost will *rise* in tandem with the expansion of solar implementation.

The [case study](#) by Brent Wanner, “Commentary: Is exponential growth of solar PV the obvious conclusion?”) comes from the IEA website. That article states:

China has been the driving force behind the exponential growth of solar [photovoltaic], accounting for 75% of global growth in solar [photovoltaic] deployment over the five years leading up to 2017.

While the costs cited here are given in monetary terms, they are ultimately a reflection of the actual physical/social costs. The higher energy densities of nuclear reactions (fission and fusion) are key to lowering the physical/social costs of electricity production, which is the only way to support higher levels of electrical energy flux-density of economies (national and global). Lyndon LaRouche made this clear in his 1980 [book](#) *Basic Economics for Conservative Democrats*:

In general, the potential productivity of an economy is limited on the higher side by the energy-density of the basic modes of energy production being used by that economy. The higher the energy-density, the cheaper the energy can be in terms of social costs of producing energy, and

the more abundant the energy available for expanding the economy.

And, some pages later:

The step-by-step advance from a full-scale fission energy economy into a fusion energy economy is the unique path of development which enables our nation and the world to increase the effective rate of capital formation into the next century and beyond. It is the only policy which leads to this successful survival of our civilization.

Oil Companies Targetted to Exit Fossil Fuel Assets

Waiting for Green Finance legislation to be enacted, the Malthusian oligarchy is using financial blackmail to “nudge” oil companies to disinvest from fossil sources and jump into renewables.

- **GPFG:** The Norwegian Government Pension Fund Global (GPFG), after announcing in March 2018 that it would divest entirely from oil, moved to blackmail Royal Dutch Shell and Total to do the same. GPFG is by far the world’s largest sovereign fund and owns \$5.9 billion in shares of Shell and 2.06% in Total.

In 2014, GPFG had divested from 53 coal companies around the world, including 16 companies in the United States (among them Peabody Energy, Arch Coal, and Alpha Natural Resources), 13 companies in India (including Coal India), and three companies in China.

According to the Norwegian central bank, in charge of running the \$1.1 trillion fund created with Norway’s North Sea oil revenues, the GPFG decision to move out of oil, after having moved out of coal, was made not from green or climate convictions, but as protection against sudden market evolutions. “The objective is to reduce the vulnerability of our common-

wealth in front of the permanent drop of the oil price,” said Norwegian finance minister Siv Jensen in a communiqué. The decision, really considered a global “game changer,” implies the selling of \$37 billion of oil assets.

- **Shell Oil:** In March 2019, Shell announced “the end of oil.” Total and British Petroleum had done it already. In an interview with Bloomberg TV at the March 2019 oil fair in Houston, Maarten Wetselaar, in charge of renewable energy at Shell, declared the brutal shift of direction of his firm: “We think that we can be, during the 2030’s the world’s leading producer of electricity.” To get there, Shell is willing to invest \$2 billion/per year in renewables. As a starter, Shell took shares in the Dutch offshore Borssele wind farm (600 MW), the equivalent in electricity of a small nuclear power reactor, and in the U.S. solar developer Silicon Ranch Corp.

- **Black Rock:** On July 2, 2019, Larry Fink, chairman and founder of BlackRock, a friend and strong backer of French President Emmanuel Macron, went to Paris to become a new member of the One Planet Summit, Macron’s initiative to green world finance and promote the fight against climate change. By adding BlackRock’s \$6.8 trillion assets under management, the initiative now represents \$18 trillion of assets committed to exiting carbon.

Interviewed by the French economic and financial daily *Les Echos*, Fink declared that “We are betting that in a world where CO₂ emissions are increasing, the firms that are the best prepared, those that concentrate on sustainable development, are those that will be financially the most performing.”

- **ExxonMobil:** Pressures on ExxonMobil, however, seem not to have worked. Officials of the London-based fund, Legal & General Investment Management (LGIM), which manages over \$1.3 trillion dollars of assets and is one of the 20 major shareholders of ExxonMobil, sat down with the management of the American oil firm. After having politely listened, ExxonMobil’s management decided to continue business as usual. Furious, LGIM announced that it would sell \$300 million of its shares and only keep the rest to be able to vote against ExxonMobil management, “One cannot continue discussing the same thing for 15 years without results.” There is hardly any oil company that has not faced a shareholder challenge on climate change.

Extinction Rebellion Climate Violence: Funded by the World's Richest People

by Dean Andromidas

Sept. 13—One of the co-founders of the Extinction Rebellion organization we profile here, Roger Hallam, made a video in August 2019 for its web site, in which he advised the climate demonstrators why, in this “climate emergency,” they must accept money from “rich people who are capitalists.” These wealthy people are beset with climate anxiety, he told his supporters:

We’re dealing with people who cry at night, just as we do. We don’t want them to commit suicide. No! We want them to ring us up and give us that million quid [\$1.3 million].

Very rich people, indeed, support the Extinction Rebellion, which calls itself XR for short.

The same billionaires who aim to make large profits with so-called “green finance” schemes for high-tax, high-cost “renewable energy” technologies, are financing XR. According to Extinction Rebellion documents ac-



FridaysForFuture demonstration in Stuttgart, Germany on May 24, 2019.

CC/Frytaarn

quired by Breitbart News, the mega-speculator and financier of so many No-Good Organizations (NGOs), George Soros, topped XR's list of eco-anxious donors, although the amount he gave was blacked out in the relevant document. Other European funds have come from the Children's Investment Fund Foundation, which gave no less than £121,140 (about \$155,000). This is the foundation of the notorious, mercenary London-based hedge fund, The Children's Investment Fund Management, founded and run by Sir Chris Hohn. The CEO of this foundation, which has an endowment of over £2 billion, is Kate Hampton, who also serves as Vice Chair of the key European Climate Foundation and a board member of the Carbon Disclosure Project (CDP).

Another hedge fund donor is Alasdair Breach, founder of the London-based Gemsstock Limited hedge fund. He transferred £50,000 (about \$65,000) through his investment company Furka Holdings AG in Andermatt, Switzerland.

The other funders from Europe include Greenpeace, which gave £10,000, and the European Climate Foundation (ECF), which gave £20,000. The latter's Chairman, Stephen Brenninkmeijer, is a member of the billionaire Brenninkmeijer family that owns C&A Clothing stores, has billions of dollars in "green" and not-so-green investments. One of the most important funders of the environmentalist movement in Europe, the ECF is financed by the Rockefeller Brothers Fund, Bloomberg Philanthropies, Children's Investment Fund Foundation and the Growald Family Fund. The latter is the fund founded and led by Paul Growald, who started his career as public relations representative for the evil Paul R. Ehrlich. Ehrlich's 1972 book, *The Population Bomb*, was a famous series of wildly false doomsday predictions he still claims will come true—someday.

From the Tides Foundation in the United States, which has been funding environmentalism for decades,



World Economic Forum, Michael Wuertenberg
George Soros

came \$10,000. Then the Climate Emergency Fund announced its establishment earlier this month, with a commitment of £500,000 to the Extinction Rebellion and other groups. This fund is led by Rory Kennedy, the daughter of Robert and Ethel Kennedy; and Aileen Getty, the daughter of the late rabid anglophile, Sir John Paul Getty, Jr., who became a British citizen and was knighted by the Queen. A few weeks after this announcement, the younger Getty pledged an additional \$600,000 to the Climate Emergency Fund, no doubt largely for the Extinction Rebellion. A third leader of this

new fund is Trevor Neilson, who co-founded the investment company, "i(x) Investments." On this investment company's board are author and environmentalist Bill McKibben, and David Wallace Wells, who wrote the fashionably gloomy *Uninhabitable Earth*.

Neilson's partner in i(x) Investments is Howard W. Buffett, the grandson of Warren Buffett, the third-richest man in America. The Buffett family are long-time financiers of the environmental moment. Howard held high positions in the Obama Administration including in the Defense Department and White House. Neilson himself started out as a servant of Bill Gates, the second-richest American. He had worked for Bill and Melinda Gates in their family office and as a founding member of the team that created the Bill & Melinda Gates Foundation, where he served as the Director of Public Affairs. He was also Executive Director of the Global Business Coalition (GBC), created with investments from Bill Gates, George Soros and Ted Turner. This organization was headed by Ambassador Richard Holbrooke, former U.S. Ambassador to the United Nations and President Obama's former Special Representative for Afghanistan and Pakistan.

This is just a sampling of those very, very "rich people" Roger Hallam meant, who are lavishly funding an organization begun only in late 2018, and known mainly for blocking intersections and crazy-gluing its members to doors of government buildings in the UK.

XR's Purpose: Turn 'Climate Anxiety' into Hysteria

Political leaders across Europe and in the U.S. Congress, and the vast majority of newspapers and think tanks in the trans-Atlantic region, are fully on board with the "Big Lie," as Nazi Minister of Propaganda Joseph Goebbels called it, that the climate is rapidly heating, primarily driven by the carbon emitted into the atmosphere by modern industrial civilization, and that this will literally destroy the Earth and mankind if it is not drastically stopped.

The media recount mass psychosis, unprecedented in modern history, gripping the western world. Adolescent, even pre-adolescent children are being mentally abused and placed in the limelight, exclaiming that carbon emissions must be stopped (i.e., industrial civilization must be destroyed) within the next twelve years or their elders will have destroyed civilization. Children are instructed to skip school to protest climate change, since there is no purpose to education if we are all going to die. Women are encouraged not to have children, since they will not have a livable world to live in.

Extinction Rebellion has quickly gotten into the forefront of mobilizing this hysteria, along with explicit children's crusades called the Sunrise Movement, and FridaysforFuture, which aims to keep children out of school on Fridays, demonstrating. An [open letter](#) announcing XR's formation, published in the *Guardian* on Oct. 26, 2018, was signed by 94 academics, politicians, and social activists, declaring that when governments are guilty of "failing to acknowledge that infinite economic growth on a planet with finite resources is non-viable. . . . It is therefore not only our right, but our moral duty to bypass the government's inaction and flagrant dereliction of duty, and to rebel to defend life itself."

This fundamental lie—that we live in a world of scarce resources—was refuted by Lyndon LaRouche in his 1983 [book](#), *There Are No Limits to Growth*, demonstrating that useful resources are constantly expanded through scientific discoveries of new technologies, utilizing previously unused resources.

XR Not a 'Sociological Phenomenon'

Extinction Rebellion is not a sociological phenomenon, but a creation of the same powerful financial and oligarchical interests who, under their environmentalist agenda, for more than a half century have pushed a Malthusian, anti-industrial, anti-technology, and fascist agenda. Not only are billionaires like Bill Gates, Mike Bloomberg, and the Rockefeller family fully mobilized

in this effort; the institutions of the British Monarchy, starting with Prince Charles, self-appointed heir to the New Green Empire, are fully mobilized.

Their model for this XR committee of 94, is Lord Bertrand Russell's 1960 creation of the supposedly pro-peace "Committee of 100" civil disobedience movement. The same Lord Russell had earlier called for a pre-emptive nuclear strike against the Soviet Union in the Oct. 1, 1946 issue of the *Bulletin of the Atomic Scientists* (Vol. 2, Issue 7-8); now he would "ban the bomb." Under the cover of this Ban the Bomb movement, Russell pushed the same anti-technology, Malthusian, one-world government agenda that the climate change movement is pushing now.

Referring to "mass psychology" as the most important tool for politics, Russell in his 1952 [book](#), *The Impact of Science on Society*, wrote (pp. 29-30):

[Mass psychology's] importance has been enormously increased by the growth of modern methods of propaganda. Of these the most influential is what is called "education." Religion plays a part, though a diminishing one; the press, the cinema, and the radio play an increasing part.

What is essential in mass psychology is the art of persuasion. If you compare a speech of Hitler's with a speech of (say) Edmund Burke, you will see what strides have been made in the art since the eighteenth century. What went wrong formerly was that people had read in books that man is a rational animal, and framed their arguments on this hypothesis. . . .

It may be hoped that in time anybody will be able to persuade anybody of anything if he can catch the patient young and is provided by the State with money and equipment.

The XR, an exercise in precisely such mass psychology—better called mass brainwashing—is now shutting down traffic and defacing monuments, but can be expected to proceed to terrorist attacks on CO₂-producing factories and power plants soon.

Brainwashed Brainwashers Destroy a Generation

The professional backgrounds of the nearly 100 signers of the XR founding declaration give them the skills, influence, and especially access to funding, necessary to create a movement, particularly one premised on the psychological manipulation—yes, the brain-



CC/Brainzoo

Susie Orbach



CC/Charles Edward

Sunrise Movement Rally in Chicago on February 27, 2019.

washing of young people. It should not be surprising that more than a quarter of them are psychiatrists, psychologists, or involved in the study of education, especially for students under 18 years.

These climate psychologists are brainwashed themselves. They fully accept the lies that climate change is man-made and with apocalyptic consequences. Since they view man as a species incapable of applying creative reason to the advancement of human knowledge, and of creating technologies to expand production and productivity, they declare that *economic development* itself is undermining the future and must be stopped.

An example is Dr. Susie Orbach, a signer of the XR declaration, who identifies herself as a consulting psychoanalyst at the Balint Consultancy. She is one of several authors of the Extinction Rebellion handbook, *This is Not a Drill*. This doomsday handbook targets young, impressionable adolescents. In her chapter on “Climate Sorrow,” Orbach wrote (pp. 66-67):

What is required of us psychologically to engage with, rather than cut off from, this knowledge? How can we envision what is happening when it isn't right in front of us? It's difficult to imagine one's own death. How much more impossible to imagine that human activities might mean extinction?

If you are not depressed, she argues, you should be: “Acknowledging our feelings—to ourselves, to one an-

other—makes us more robust. We need to mourn and organize. It should not be one or the other.”

Isn't this the essence of aversive conditioning, throwing the victim into existential crisis, in this case impressionable young people? They are told to consider that their lives may be destroying civilization—everything would be better without them, and so they must attack their parents for giving them this life. The now well-defined “climate anxiety” syndrome is a kind of depression with no hope, no future except extinction—or unreasoning and even violent action.

Another signatory of the XR declaration is Paul Hoggett, Emeritus Professor of Social Policy, University of West England, Bristol. He is also on the Executive Committee of the Climate Psychology Alliance (CPA), a crew of mad psychologists who, when they are not psychoanalyzing people they claim are suffering “climate change psychosis,” are lecturing others on how to cope with the doom they claim mankind faces because of climate change.

According to its website, CPA announces events at which they discuss such questions as: “What would it be like to be part of a culture which no longer believed in progress, one which was prepared to be prepared for the worst rather than always hoping for the best?” or “What forms might love and hope assume in an age of ecological austerity?”

Eco-psychotherapist Mary-Jayne Rust, a Climate Psychology Alliance board member, discussed everything from “climate anxiety” to “climate grief” in a

recent lecture in which she bemoaned that:

[Climate change] is part of a much bigger story about our dysfunctional relationship with the rest of nature. . . . If we listen, we will hear stories of love and loss in our relationships with the land, animals, plants and more. We also continue to struggle with a very ambivalent relationship with ourselves as animals.

Newspeak à la Orwell's *1984* is not omitted either. Among XR's active leaders is Arran Stibbe, "Professor of Ecological Linguistics," University of Gloucestershire. Stibbe is a devotee of the famous (or infamous) British linguist, the late Michael Halliday, who in 1990 wrote that "applied linguistics" should be used as a weapon against the very idea of progress:

Changing language can change the existing order. When planning language, applied linguists are not forging an ideologically neutral instrument for carrying out policy; they are creating an active force in shaping people's consciousness.

According to Stibbe:

The main example Halliday gave was that of "economic growth," describing how "countless texts repeated daily all around the world contain a simple message: growth is good. Many is better than few, more is better than less, big is better than small, grow is better than shrink," which leads to ecologically destructive consequences.

These are 21st-century climate-change Strangeloves who tell young people to "Stop worrying and love the extinction of mankind."

Psychedelics for 'Green' Movements

In a manifesto titled, "How Psychedelics Helped to Shape the Extinction Rebellion," released in the summer of 2019, Extinction Rebellion co-founder Gail Bradbrook "explains how her psychedelic experiences helped to shape the genesis of the movement." She describes traveling to Costa Rica, where she "ingested a flood dose" of native psychedelics such as ayahuasca.

"I was terrified," she writes, "but the reason why I pushed my consciousness to such [an] extreme wasn't just to do the inner work on myself—I wanted answers to how I could bring about social change."

While admitting her ignorance about the science of climate, Bradbrook raves:

Entire species are going extinct. . . . There is widespread denial of the fact that we as humans are not at the top of a pyramid where we get to dictate the terms, we are part of a web of life.



CC/Steve Eason

Dr. Gail Bradbrook at the XR "declaration of rebellion," in London, October 31, 2018.

Speaking at the 5th Breaking Convention conference on the use and legalization of psychedelic drugs, held on August 16, 2019 at the University of Greenwich in London, the British journal, *Nature*, reported that Bradbrook had declared:

I would support a mass civil disobedience where we take medicine to tell the state that they have absolutely no right to control our consciousness and to define our spiritual practice.

That conference was sponsored by the Beckley Foundation, whose founder and Director is Amanda Feilding, Countess of Wemyss and March. It drew

1,500 researchers, shamans, “psychonauts” and journalists and had as its purpose the promotion and legalization of these psychedelic drugs. Climate change and the Extinction Rebellion were among the key topics at this year’s conference.

Bradbrook said psychedelics must be used in the “right way,” and that we can learn from indigenous cultures that routinely use substances like ayahuasca:

Whilst I’m all for psychedelic science—I think it’s fantastic—I don’t think we necessarily have time to wait for the science to tell us these medicines are useful. The indigenous cultures have already shown us the ways.

Bradbrook didn’t elaborate. It is a fact that many of the tribes who practice the “wisdom” of taking ayahuasca, such as the Yaguas of Colombia, have also practiced cannibalism.

All the Queen’s Men and Women

The mobilization of psychological shock troops preying on our youth and the promoters of drugs and the psychosis they create should be enough for governments to take legal actions against the XR for child abuse, promotion of drugs, and incitement. Nonetheless, there is the other side of this movement: that it is sponsored and promoted by the highest levels of the British establishment, including the British Monarchy and the institutions the royals patronize.

We don’t have to go very far to see this. Just look at the parallel lives of XR co-founder Bradbrook. There is the scatterbrained activist who can be seen on YouTube calling for massive civil disobedience; but there is another side of Bradbrook, with very serious connections. Prior to declaring herself a climate warrior, Bradbrook’s first full-time employment was with Business in the Community (BITC), The Prince’s Responsible Business Network. The “Prince” is Prince Charles, Prince of Wales. From 2001 to 2003, Bradbrook was a program director who “Supported businesses in the ICT [information and communications technology] sector to consider their role in bridging the digital divide and examining their corporate social responsibilities.” Here she developed her skills in digital inclusivity. Needless to say, the BITC has a heavy climate change agenda for businesses.

Prince Charles has been following in the footsteps of his father Prince Philip who, together with the card-

carrying Nazi, Prince Bernhard of Holland, created the World Wildlife Fund after World War II. It was Philip who infamously declared in 1988 that he would hope to be reincarnated as a deadly virus “to contribute something to solving overpopulation.” In July Prince Charles said, “I am firmly of the view that the next 18 months will decide our ability to keep climate change to survivable levels and to restore nature to the equilibrium we need for our survival.”

In 2003 Bradbrook met her future husband, John David Fisher, who, according to his own biography, served as a pilot in the Royal Air Force for four years in 1973-77. Despite his short service record he is currently the Vice Chairman of the Royal Air Force Club and received the Queen when she recently visited the club. Fisher founded and is currently Chief Executive of the digital inclusion charity, [Citizens Online](#), registered at Fisher’s home address in Stroud, Gloucestershire, UK, offering services to organizations and communities to access the Internet. Fisher served on former UK Prime Minister Tony Blair’s Digital Inclusion Panel and as an adviser to cabinet ministers on the issue. Bradbrook was a director of Citizens Online from 2003 until 2018, after which she separated from Fisher and Citizens Online to create XR.

Another director of Citizens Online who has gone to Extinction Rebellion is Dr. Gerald Power, with whom Bradbrook co-authored a study on digital inclusion. Power is a management consultant who began his career at the UK’s Ministry of Defense “on its science and technology fast track management training program,” according to his own biography. He has enjoyed a career “across all of the major Central Government departments.”

Lord-in-Waiting and Bank Chairman

Another of XR’s founding directors, and currently its patron, is Anthony St John, 22nd Baron St John of Bletso, one of 92 hereditary members of the House of Lords, and Extra Lord-in-Waiting to the Queen. Currently Chairman of the Board of merchant bank Strand Hanson, The Lord St John of Bletso also sits as non-executive director of a long list of mining, communications, IT, renewable energy, and financial services companies in South Africa and Europe. In the House of Lords he is an Executive Committee Member of the All-Party Parliamentary Africa Group and Vice Chairman of the All-Party Parliamentary South Africa Group.

St John’s green credentials include supporting for

two decades an organization called Television for the Environment (TVE), which works with filmmakers and partners worldwide to produce and distribute films that put the environment and sustainability on the global agenda. A former president of Friends of TVE, he is now emeritus trustee. TVE was founded by the United Nations Environment Programme, the World Wildlife Fund-UK, and ITV Central (UK) in 1984.

He is also on the advisory board of Successful GREEN, an “international network for environment, innovation and information,” alongside Peter E. Merian, former Director of the Basel Stock Exchange, CEO of Bank Sarasin, and founding member of the Global Environmental Society; and Dr. Marcelo Cavalho de Andrade, President of the Earth Council Alliance created by billionaire Maurice Strong. Cavalho de Andrade is also Partner and Principal of Earth Capital Partners LLP, which is positioned to profit big from the push for green finance.

The Extra Lord-in-Waiting was also a signatory—along with U.S. Senator Sheldon Whitehouse and U.S. Representative Alan Grayson, and rock singer-environmentalists such as Sting, Graham Nash, and Jason Mraz—of an [open letter](#) to world leaders at the 2015 United Nations Climate Change Conference (COP21) in Paris. They called for a sentence to be added to the treaty requiring companies and corporations to fully and transparently account for the costs of developing, producing, transporting, selling and consuming those products generating greenhouse gases.

Chatham House for Climate Action

Not so long ago, among the XR activists who super-glued themselves to the doors of the corporate headquarters of Royal Dutch Shell, could be found Farhana Yamin. This XR leader happens to be Associate Fellow of the Energy, Environment and Resources Department at Her Majesty’s Royal Institute

of International Affairs, Chatham House.

On July 4, Chatham House sponsored a [debate](#) titled, “Climate Action: A Role for Civil Disobedience?” Describing the purpose of the event, the Institute declared:

In spite of this ever-growing public awareness of the urgency of climate action, environmental scientists and activists have struggled to motivate the wider public, policymakers and corporations to push through the disruptive and ambitious policies needed. In recent months however, a new sense of urgency has been injected into the environmental debate by movements including the Extinction Rebellion in London and the Youth For Climate strikes internationally.

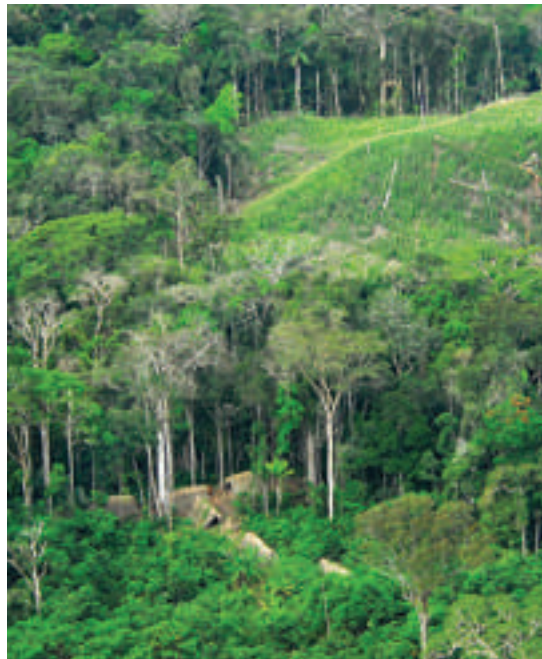
Speaking at that event, Sam Geall, another Royal Institute of International Affairs researcher, called for the security services to repress the oil companies, and not XR rebels. “We need to understand ... who’s not being punished” for causing climate damage, he said.

‘Ditch Development, Save the Amazon’

Near the top of the list of signers of the XR founding declaration can be found the former head of the Church of England—that is, under its Supreme Governor, the Queen—the former Archbishop of Canterbury, Dr. Rowen Williams. He

is among the most active in supporting the XR and appears at conferences and meetings encouraging youth to take part in the International Rebellion in London and beyond. Williams recently authored a commentary appearing in the *Guardian* making the outlandish claim that one-fifth of the world’s oxygen comes from the Brazilian rainforest, declaring that the fires are consequences of our “drive for development that serves only a lust for consumption and convenience ...”

The Amazon forest must be left for the indigenous



CC/Gleilson Maranda/Governor of Acre

In an outrageous intervention in the internal affairs of a sovereign country, Rowan Williams, the former Archbishop of Canterbury, called for denying the huge Amazon region to the development of Brazil's 211 million citizens.



Welsh Assembly/Ben Wyeth

Dr. Rowan Williams

economic inequality blighting and corrupting so much of our world, including countries like Brazil...

In the Amazon, mining and oil extraction are pushing the communities out of the forest in which they have lived for centuries.

We are all to blame, said the good pastor, for the crimes of progress and eating meat:

This is not just Brazil's problem... All of us are implicated. The global patterns of economic growth, including the unprecedented levels of demand for meat in the developed world, account for much of the pressure on land use in the region...

The wildfires raging in the Amazon are a visible metaphor for the effect of our unrestrained passion for limitless economic growth.

In an outrageous intervention in the internal affairs of a sovereign country, Williams called for denying the huge Amazon region to the development of Brazil's 211 million citizens.

to live in primitive backwardness, he argues:

Their rights have been overridden in the face of the greed of various powerful economic interests, and theirs is a story that speaks of the stark

"You know, the Earth can only carry 1 billion people."



'Global Warming' Scare Is Population Reduction, Not Science

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How the British Turned Genocide and Race Science “Green”

Reprinted from 2015 Report “‘Global Warming’ Scare is Population Reduction, Not Science”

At the end of World War II, when the world was still learning of the horrors of the Nazi genocide, and the Nuremberg Tribunals were just barely getting underway, the British Monarchy immediately launched a revival of the very same policies of race science and population genocide that had produced the Nazi euthanasia and the death camps.

Sir Julian Huxley, the grandson of “Darwin’s Bulldog” Thomas Huxley, and a leading figure in the British Eugenics Society, used his position as the first Director-General of the United Nations Educational, Scientific and Cultural Organization (UNESCO) to help launch the revival. In a 1946 address, launching the new United Nations agency, he declared, “Even though it is quite true that any radical eugenic policy will be for many years politically and psychologically impossible, it will be important for UNESCO to see that the eugenic problem is examined with the greatest care and that the public mind is informed of the issues at stake so that much that now is unthinkable may at least become thinkable.”

While the British Eugenics Society was never disbanded, the revival was carried out under a new banner: ecology and conservation. Just as Hitler’s Nazi Party had roots in the radical environmentalist “counterculture” movement of 1920s Germany, the British Crown agents of the immediate post-War years created a series of environmentalist organizations, which would form the basis of the New Eugenics Movement. To this day, those same organizations are the leading promoters, worldwide, of a mass genocide, in the name of “preserving nature.”

This was nothing new for the British Crown. Both the Hitler race dogma and population genocide program, and the promotion of preservation of nature over the advancement of mankind, were ideas that were

spawned from London in the second half of the Nineteenth Century, through the work of people like Charles Darwin, Sir Thomas Huxley, Sir Francis Galton, Sir Herbert Spencer, and Sir Arthur Tansley, who all led a revival of an extreme form of Malthusian population genocide.

Darwin presented the idea that man had simply evolved from lower species in a strictly quantitative evolution, which he called “natural selection,” rejecting outright the qualitatively distinct, non-biological notion of human creative discovery and science itself. Spencer had adapted Darwin’s fraud to human existence and developed the Social Darwinist idea of “survival of the fittest.” Tansley had first coined the term “ecology,” in advancement of the Malthusian revival, placing the preservation of the ecological system over man-enhanced nature. And Darwin’s first cousin, Galton, had devised eugenics as a “scientific” approach to culling the human herd of those “unfit” to survive.

In every instance, the common objective of all of these insane, anti-human ideas was to provide a rationale for population reduction, as a means of preserving a system of eternal oligarchical power.

The complete title of Darwin’s most famous work, *Origin of Species*, was *On the Origin of Species by Means of Natural Selection, or the Preservation of the Favoured Races in the Struggle for Life* (1859).

The predecessor of this was the 1798 “Essay on the Principle of Population,” by Sir Thomas Malthus (1766-1823). Its revival was the basis for the work of Darwin, Spencer, Huxley, Galton and Tansley. Malthus wrote, “All children who are born beyond what would be required to keep up the population to a desired level, must necessarily perish, unless room be made for them by the death of grown persons... Therefore... we should facilitate, instead of foolishly and vainly endeavoring

to impede, the operations of nature in producing this mortality; and if we dread the too frequent visitation of the horrid form of famine, we should sedulously encourage the other forms of destruction, which compel nature to use... Instead of recommending cleanliness to the poor, we should encourage contrary habits... but above all we should reprobate specific remedies for ravaging diseases; and restrain those benevolent, but much mistaken men, who have thought they are doing a service to mankind by protecting schemes for the total extirpation of particular disease.”

Dirty Bertie

A century and a half after Malthus, Lord Bertrand Russell, the intimate of the Huxleys, repeated Malthus’s diktat in even more blunt language.

In a 1923 book, *Prospects of Industrial Civilization*, he advanced the doctrine of race supremacy, using the term “international socialism” as a euphemistic alternative to feudalistic oligarchic world dictatorship: “Socialism, especially international socialism, is only possible as a stable system if the population is stationary or nearly so. A slow increase might be coped with by improvements in agricultural methods, but a rapid increase must in the end reduce the whole population to penury... the white population of the world will soon cease to increase. The Asiatic races will be longer, and the negroes still longer, before their birth rate falls sufficiently to make their numbers stable without help of war and pestilence... Until that happens, the benefits aimed at by socialism can only be partially realized, and the less prolific races will have to defend themselves against the more prolific by methods which are disgusting even if they are necessary.”

In 1951, in his *The Impact of Science on Society*, which was a discussion of the uses of mass psychology to keep the majority of human beings hopelessly backward and compliant, Russell openly advocated the kind of mass genocide that became the hallmark of the British Royal Consort Prince Philip, as part of his own promotion of “environmentalism.” Russell wrote: “Bad



Wikimedia

After Hitler’s Nazis discredited eugenics, the Malthusian Sir Julian Huxley created and headed a UN agency, UNESCO, and worked “to make the unthinkable, thinkable again.”

times, you may say, are exceptional, and can be dealt with by exceptional methods. This has been more or less true during the honeymoon period of industrialism, but it will not remain true unless the increase of population can be enormously diminished. At present the population of the world is increasing at about 58,000 per diem. War, so far, has had no very great effect on this increase, which continued through each of the world wars... War... has hitherto been disappointing in this respect... but perhaps bacteriological war may prove more effective. If a Black Death could spread throughout the world once in every generation, survivors could procreate freely without making the world too full... The state of affairs might be somewhat unpleasant, but what of it? Really high-minded people are indifferent

to happiness, especially other people’s.”

All of these British high society genocidalists, from the turn-of-the-century British Monarchy onward, were rabid conservationists, preferring unaltered nature to humanity, which they referred to in such terms as “the enemy,” “a cancer” and the like.

‘New Empire’ Ecology

The advancement of the so-called ecology agenda and wildlife protection had another imperial dimension as well. As Britain altered its colonial strategy at the turn of the Twentieth Century, from direct empire to Commonwealth, aiming to establish more indirect control, it became essential to establish firm command over vast swaths of land in Africa. The establishment of game preserves and nature preserves along crucial African borders became a hallmark of the “New Empire” program.

In 1903, the Society for the Preservation of the Wild Fauna of the Empire was established, under the direct control of the British Crown. The model was the “conservancies” that were established by the British Raj over many parts of India to restrict population access.

In 1904, Sir Arthur Tansley founded the British Vegetation Committee. In 1912, the Society for the Promotion of Natural Reserves was formed. The Committee

identified 273 areas to be set aside from all human activity. A year later, in 1913, the British Ecology Society was established. Tansley was a central figure in all of these various organizations, and his role as one of the British Crown's chief ecologists continued through and beyond World War II. In the latter phase of his efforts, Tansley worked closely with Sir Julian Huxley and Max Nicholson.

The promotion of conservation and ecology went hand-in-glove with Britain's active promotion of Fascism throughout Europe. In 1931, Huxley and Nicholson created the Political and Economic Planning (PEP) think tank, which produced a series of policy papers actively promoting the corporatist model that had been first put into practice by Benito Mussolini in Italy. PEP closely collaborated with the British Eugenics Society throughout its existence. In 1937, PEP and the BES co-founded the Population Policy Committee, which led, in 1944, to the creation of the Royal Commission on Population. Even throughout the war period, the British Crown was promoting a long-term program of radical population reduction. In 1955, under the joint leadership of Huxley and Nicholson, the PEP published a landmark global profile of human population and natural resources called *World Population and Resources*. It became the guidebook for both the Eugenics/Malthusian apparatus and the so-called "Conservationists" worldwide.

In 1945, Huxley, Tansley, and Nicholson founded the Wild Life Conservation Special Committee, which came to be known as the Huxley Committee, after its chairman. As the result of the Committee's studies on the need for a broad ecology and conservation agenda, the same people shortly founded the British Nature Conservancy, which was to operate directly under the Privy Council, the actual governing body over the British Empire under the Royal Household. Conveniently, from 1945-1952 the secretary of the Privy Council was Max Nicholson. He left that post in 1952, to replace Tansley as head of the Nature Conservancy.

In his official capacity as secretary to the Privy Council, Nicholson had tasked Julian Huxley to lead a study on the conservation of nature in England and Wales, which resulted in a July 1947 report, mapping out areas of the United Kingdom to be set aside as nature preserves. By this time, the Nature Conservancy had been classified as a permanent research arm of the Privy Council, and designated as a scientific body, whose pronouncements were given the authority of scientific certainty.

What was being promoted as a British Crown program to revive eugenics and radical Malthusianism, in the immediate wake of the defeat of Hitler, was "taken global" through Sir Julian Huxley's position as Executive Director of UNESCO. In 1948, Huxley convened a UNESCO-sponsored conference in Fountainebleau, France, where the International Union for the Conservation of Nature (IUCN)¹ was formally launched as an international organization comprised of both governments and non-governmental private organizations. In his keynote speech to the gathering, Huxley declared that "The spread of man must take second place to the conservation of other species."

At this point, the worldwide movement for ecology and nature conservancy was a strictly oligarchical operation—and obviously so. It had no base of popular support, and this remained the case for several decades.

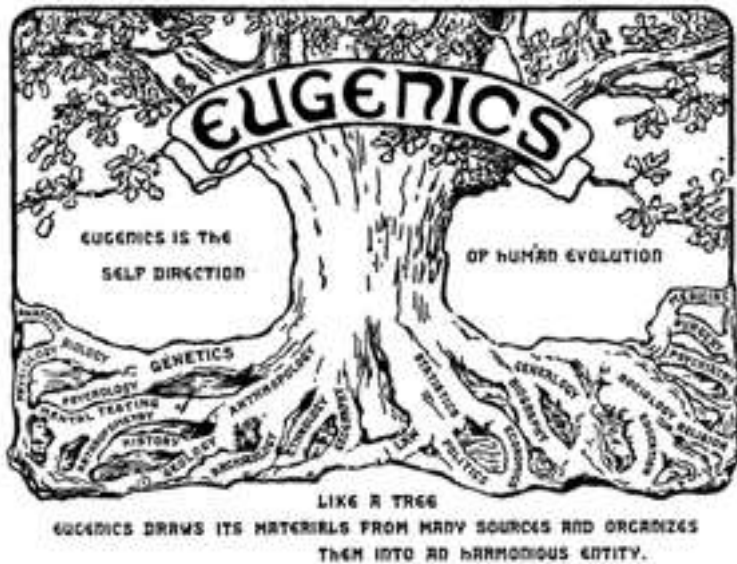
Going 'Popular'

In 1960, Sir Julian Huxley, now 73 years old, made a three-month expedition to Africa, after which he wrote a series of articles in *The Observer*, warning that the newly independent African states could not be trusted to preserve nature and protect the endangered species of the continent. Off of the Huxley expedition, at the initiative of Max Nicholson, the IUCN launched a worldwide popular movement to force the creation of nature preserves and game preserves, under independent international control, throughout the African continent.

Nicholson described the process: "After a memorandum (which I had drafted at Easter in the Cotswolds) had been approved by the IUCN Executive Board, the rest of the preparatory work was done in London by an informal group under my chairmanship between May and September. It culminated in the legal constitution at Zurich of an international charitable foundation called the World Wildlife Fund." The WWF, from its outset, would be housed within the IUCN's Swiss headquarters. The organization was launched at simultaneous press conferences in London and Tanganyika.

Nicholson and Huxley had no trouble getting Royal Consort Prince Philip, already a rabid Malthusian, to become the head of the British WWF. To avoid the appearance that the organization was purely a creation of

1. Fairfield Osborn, Jr., Nicholson's close friend and a leading eugenicist, had proposed naming the new organization the International Union for the Conservation of Nature and Natural Resources, but the imperial connotations of a global natural resource grab were too flagrant and the name was eventually shortened.



Wikimedia

The British Eugenics Society did not disband after World War II; rather, its leaders around the Crown's Privy Council rapidly created the array of global "environmentalist" and "conservation" institutions and made them powerful through the support of financial oligarchies.

the British Crown, the Dutch Royal Consort, Prince Bernhard of the Netherlands, was named as the first international head of the WWF. His own credentials as a long-time card-carrying member of the Nazi Party presented no complications.

With the launching of WWF, as the first effort at a mass social outreach, the founders, particularly Max Nicholson, acknowledged that they were actually out to force a major cultural paradigm shift, away from the notion of human progress, backwards to a dark age concept of man as the "enemy" of nature. In his 1970 book, *The Environmental Revolution: A Guide for the New Masters of the World*, Nicholson wrote of the launching of the WWF:

"We should perhaps look back as far as the Reformation and the Renaissance for a comparable general disintegration of long settled values and patterns through the impact of new outlooks and new ideas... The message of ecology... undermines many recent cherished values and beliefs by a kind of seismic upheaval which is bound to leave in its train heaps of intellectual and ethical rubble. Seismic seems the right word because the emotional force and intensity behind the idea of conservation is as important as its intellectual power."

It is indicative of the true aim of this "seismic change" that Sir Julian Huxley, one of the two genuine architects of the WWF, along with Max Nicholson, was,

at the time of WWF's founding, the president of the British Eugenics Society. In 1962, Huxley published an essay under the blunt title "Too Many People," which appeared in a volume titled *Our Crowded Planet: Essays on the Pressures of Population*. Huxley wrote, "Overpopulation is the most serious threat to human happiness and progress in this very critical period in the history of the world. It is not so acute as the threat of atomic warfare, but is graver, since it springs from our own nature... The essential point is that overpopulation is a world problem so serious as to override all other world problems, such as soil erosion, poverty, malnutrition, raw material shortages, illiteracy, even disarmament... If nothing is done about it, in the next hundred years man will cease to have any claims to be the Lord of Creation or the controller of his own destiny, and will have become the cancer of his planet, uselessly devouring its resources and negating his own possibilities in a spate of overmultiplication... for the control of

population is, I am quite certain, a prerequisite for any radical improvement in the human lot."

The WWF was launched at the behest of the British Monarchy at a time when cultural optimism was spreading with the election of John F. Kennedy as President of the United States; the launching of the Apollo program, demonstrating man's capacity to conquer new scientific horizons and thoroughly redefine the nature of resources; and the spreading belief that the era of colonialism and empire was coming to an end. Kennedy's launching of the Peace Corps, the prospect of an end to the Cold War with the Soviet Union, initiated in a series of private correspondences between JFK and the Soviet Premier Nikita Khrushchev, and other promising developments, posed a direct threat to the agenda and power of the British Empire.

Mass Mind Control

All of that changed, dramatically, with the assassination of President Kennedy, the ouster of German Chancellor Konrad Adenauer, and the attempted assassinations and eventual overthrow of France's President Charles de Gaulle. With the launching of the U.S. Indochina War, the urban riots, and the assassinations of Robert F. Kennedy and Dr. Martin Luther King, Jr., the optimism of the early 1960s turned into a deep cultural pessimism, particularly among young people in the



Wikimedia

Zebras in Kruger National Park, South Africa. The park is the size of the state of Massachusetts; in 1902, it was brutally cleared of its non-white inhabitants to turn it into a game preserve for the oligarchy. That policy is being continued today by Prince Philip's conservation and wildlife groups.

trans-Atlantic region.

Sir William Sargant, a British military psychiatrist from the Tavistock Institute, who spent over a decade in the United States from the late 1950s to the early 1970s, wrote a 1957 book about the prospects of triggering a mass psychotic breakdown through successive mass social shocks, amplified by the new emerging mass media of television and radio.

In *Battle for the Mind*, which was written while Sargant was an active participant in the U.S. Central Intelligence Agency's MK-Ultra experimentation in mind control, through psychedelic drugs, manipulation of religious superstitions, etc., Sargant wrote:

“Various types of belief can be implanted in many people, after brain function has been sufficiently disturbed by accidentally or deliberately induced fear, anger or excitement. Of the results caused by such disturbances, the most common one is temporarily impaired judgment and heightened suggestibility. Its various group manifestations are sometimes classed under the heading of ‘herd instinct,’ and appear most spectacularly in wartime, during severe epidemics, and in all similar periods of common danger, which increase anxiety and so individual and mass suggestibility.”

Prior to the shock traumas of the 1960s, most Americans and Europeans would have dismissed the radical Malthusian and eugenicist ideas of the WWF as rub-

bish. Under conditions of shock, those ideas, along with the other manifestations of the drug, rock, sex counterculture, seemed suddenly “normal.”

While the WWF was first getting off the ground, a much more public propaganda campaign was launched, to begin spreading the gospel of ecology and conservation. In 1962, Rachel Carson wrote *Silent Spring*, a diatribe against DDT and other agricultural chemicals. This was the first of what would be a string of widely publicized scare-stories, devoid of any scientific foundation, that found an ever more willing mass audience.

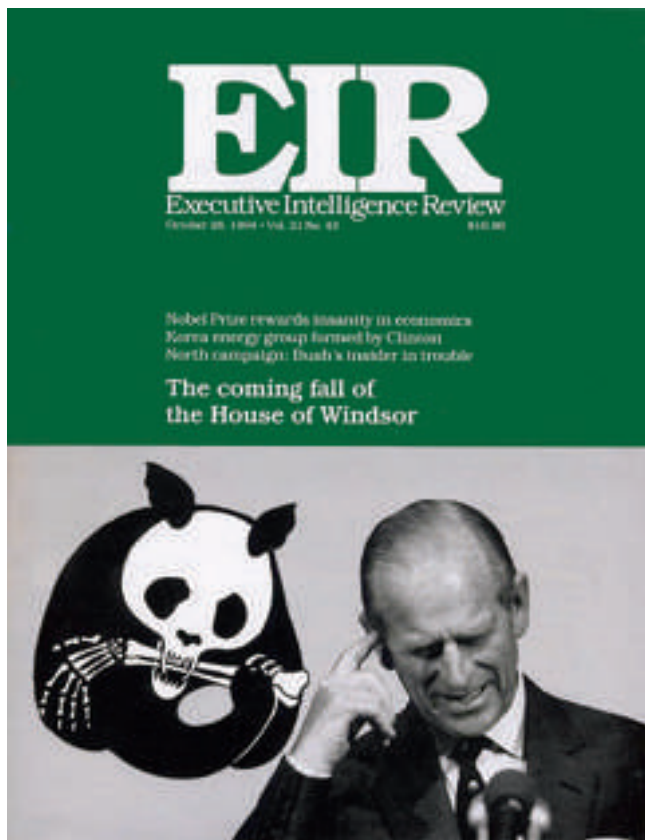
In 1968, the Club of Rome was founded as an international agency to popularize the myth that population and economic growth inevitably must fall back, because of limited resources. Its

founding document was thus titled, “The Predicament of Mankind,” and in 1972, it published the scientifically bogus book, “Limits to Growth,” as a mass propaganda item.

In 1970, Prince Bernhard and his close friend Anton Rupert, the South African tobacco magnate, launched the 1001 Club. The purpose of the Club was to generate a guaranteed financial base for the WWF. The secret Club was made up of 1,001 members, whose identity was to be protected. Each member contributed \$10,000 per year, establishing a running war chest of \$10 million per annum for the WWF's mass propaganda outreach.

Although the membership list in the 1001 Club was to be kept secret, some rosters from the late 1980s were leaked out, and the list of participants revealed a Who's Who of Western and Middle Eastern oligarchs, tycoons and a smattering of outright swindlers and criminals. Thus the 1001 Club included Johannes von Thurn und Taxis of the ancient Venetian oligarchical family, Mossad money launderer Tibor Rosenbaum, arms dealer Adnan Khashoggi, media mogul Conrad Black, and the like. Maj. Louis Mortimer Bloomfield—linked to the assassination of President Kennedy—was a charter member.

Simultaneous to the launching of the 1001 Club, some leading members of the WWF financial arm launched Earth Day in 1970, an international celebration of the arrival of “ecology” as a new global cause.



EIR

The most powerful and lavishly funded of the enviro-eugenics organizations, the World Wildlife Fund/WWF, was founded by Prince Philip and Dutch Prince Bernhard, an unreconstructed Hitler Nazi SS member.

Canadian Maurice Strong was one of the architects of Earth Day. Two years later, Strong was also a driving figure behind the convening of a United Nations Conference on the Human Environment. At that time Strong was named Executive Director of the newly created United Nations Environment Programme. In effect, Strong inherited the UN mantle from Julian Huxley, who would die three years later.

Closely aligned with the launching of the UNEP, in 1974, the United Nations hosted the third World Population Conference in Bucharest, Romania, with 135 nations participating. One of the key organizers of that conference was the American cultural anthropologist Margaret Mead, an advocate of population control. A featured speaker was John D. Rockefeller, III, whose family had funded the pre-WWII eugenicist “population” movement.

But the event’s intended de-population agenda was dramatically blown apart, by the intervention by the

Lyndon LaRouche movement, to circulate a \$20 billion “Manhattan Project for Fusion Energy Development,” presenting a program for R&D and economic advancement, to create effectively inexhaustible power and agro-industrial resources to support a growing human population for centuries. LaRouche associate Helga Zepp, from Germany, presented this growth program, and shocked the Rockefeller plenary, saying that if, instead, the U.N. “environmentalist” program was imposed on the world, the result would be death “100 times worse than Hitler.” Conference organizers shut down the session. Zepp then confronted Margaret Mead with the same point on mass death, in front of 200 reporters at the leading press event. (see box).

However, following the conference, Mead peddled the de-population message to the media all the harder. In a signed editorial in the publication *Science*, she declared: “The United Nations Population Conference, which concluded on 31 August in Bucharest, passed by acclamation a World Plan of Action that dramatized the growing global concern for the planet’s plight... At Bucharest it was affirmed that continuing, unrestricted worldwide population growth can negate any socio-economic gains and fatally imperil the environment... The earlier extreme views that social and economic justice alone can somehow offset population increase and that the mere provision of contraception can sufficiently reduce population—were defeated... Those governments for which excessive population growth is detrimental to their national purpose are given a target date of 1985 to provide information and methods for implementing these goals.”

‘Global Warming’ Scare Launched

The very next year, Mead organized a conference in Research Triangle Park, North Carolina, where the hoaxes of “global warming” and “climate change” were launched. At the time of both the Bucharest and Research Triangle Park conferences, Mead was president of the American Association for the Advancement of Science (AAAS).

Mead stacked the North Carolina conference with protégés of Paul Ehrlich, the radical Malthusian author of *The Population Bomb*, one of the most rabid propaganda tracts on the need for a total halt in population growth, on the grounds that man posed a threat to the natural ecology of the Earth.

Mead’s keynote at North Carolina launched the

“global warming” assault on science. “Unless the peoples of the world can begin to understand the immense and long-term consequences of what appear to be small immediate choices—to drill a well, open a road, build a large airplane, make a nuclear test, install a liquid fast breeder reactor, release chemicals which diffuse

throughout the atmosphere, or discharge waste in concentrated amounts into the sea—the whole planet may become endangered.” Mead demanded a study on “what is presently known about hazards to the atmosphere from man-made interventions, and how scientific knowledge coupled with intelligence social action

The Depopulators Challenged: Bucharest, 1974

The LaRouche movement’s campaign against the Malthusian elite first gained prominence on the international scene in August 1974, when Helga Zepp and a colleague attended the Third World Population Conference in Bucharest, Romania. By publicly condemning John D. Rockefeller III, the depopulation advocate who had founded the Population Council in 1952, for making proposals that would lead to genocide, the LaRouche representatives blew the conference wide open. “You will be held responsible for your mass-murder policies,” they charged, leading to pandemonium.

An indication of precisely how much the exposure hurt the conference organizers was evident after Zepp confronted anthropologist and depopulation advocate Margaret Mead with pushing genocide at a press conference the next day. Mead, who had a habit of carrying a large walking stick, responded by brandishing her stick and chasing Zepp around the room, in a fit of rage.

In fact, the sharp intervention of the LaRouche organizers, along with their presentation of a viable alternative program for fusion-power development, dovetailed with the majority sentiment among the national delegations at the Bucharest conference. This was the first of the international population conferences to bring together country representatives, and the organizers had hoped to get commitments to population control measures, allegedly as a means to further “development.”

The agenda for this UN conference represented a “soft-sell,” intended to lure Third World nations in particular, into the depopulation, low-technology agenda. As chief genocide spokesman Lester Brown put it: “Either industrial countries will cast Asia adrift, or Western leaders will ask their people to reduce their consumption of livestock in the advanced countries to

provide wheat for the Third World.”

Rockefeller himself tried to adapt to this outlook. He called for “a more equitable distribution of resources,” and a new “concept of economic growth.” “We must reorient growth toward human ends, lessen growth of a material kind to improve the lives of people. What is needed is not evaluation on the basis of per capita income, but on social feeling... if famine does occur as a by-product of natural disasters, floods, etc., will people of the industrial countries be willing to cut their food consumption for the starving...?”

Rockefeller’s pitch was made even sharper by French zero-Growth Rene Duemont, who insisted that, to liberate the Third World, North Americans must “cut down on the consumption of meat, energy and industrial production immediately.”

The pitch didn’t work; the conference failed. The “World Population Plan of Action” of the organizers turned into vague platitudes about considering population issues in relation to development goals, and “quality of life.”

The very next year [see main article], the anti-population “witch”, Mead, organized a conference to change strategy: Malthusianism through “climate change.”

The Opposition

In 1982 Helga Zepp herself, now married to Lyndon LaRouche, took a major initiative to organize international forces to defeat the genocide lobby, by proposing the formation of a Club of Life. “The Club of Life views itself as a conscious counterpole to the Club of Rome,” she wrote in her Call for Creating a Club of Life, issued January 1 of that year. It shall “be an instrument for those individuals, who, on the eve of a possible collapse of human society, want to intervene with passionate commitment and political decisiveness in behalf of a new worldwide humanism. . . . The Club commits itself to the idea of technological progress and to the value of human beings, which are inseparable from one another.”

can protect the peoples of the world from dangerous and preventable interference with the atmosphere upon which all life depends.”

Among the Ehrlich-Mead protégés who attended the Research Triangle conference on “The Atmosphere Endangered and Endangering” was John Hold-

ren, currently President Barack Obama’s White House Science Advisor. Holdren co-authored a number of books and articles with population fanatic Ehrlich and was an architect of the call for carbon-dioxide caps and a concerted plan for population reduction.

In his own summary of the 1975 conference, Hold-



EIRNS/Stuart Lewis

Helga Zepp-LaRouche, founder of the Club of Life (here marching in Washington, D.C. in 1983, rallied delegations to reject population control at the Bucharest World Population Conference in 1974, enraging its leaders Margaret Mead and David Rockefeller. Mead unveiled “global warming,” a new strategy, one year later.

From October 20-22, 1982, the new institution was founded, with major events in Rome and Wiesbaden, West Germany, plus ten satellite conferences in North and South America, and Paris, France. These conferences drew founding members and speakers from India and Africa, as well as the Americas and Western Europe, all of whom addressed the fight for life in areas of economics, science, and culture.

As Zepp-LaRouche emphasized in her keynote address, “The Club of Life aims at nothing less than to create worldwide a shift toward cultural optimism, as the precondition for the defense of the right to life. We will show, in numerous studies, that the Club of Rome and other organizations of that ilk are charlatans from a scientific standpoint. We will lay bare the motives of those who dare to contest the inviolability of the right to life. But especially we will design concrete programs for development, and bring those to the public,

so that everyone can see the solutions that are at hand, if only the political will to implant them is there.”

Over the next few years, the Club of Life did exactly what Zepp-LaRouche said. It organized international conferences, rallies, and interventions, and produced literature that exposed the genocidalists, especially the financial institutions and courts who were issuing death sentences to nations, and individuals too weak to defend themselves from the accelerating push for euthanasia. The Club also applied for consultative status at the United Nations, where it would have been a unique voice for development policies.

Thanks to the intervention of zero-growth forces, led by the Swedish representatives, the Club’s application was denied.

Today, the thrust of the Club’s work has been taken up by the Schiller Institute, founded in 1984 by Helga Zepp-LaRouche on the same principles.

ren warned: “We already have reached the scale of human intervention that rivals the scale of natural processes... Furthermore, many of these forms of intervention will lead to observable adverse effects only after time lags, measured in years, decades, or even centuries. By the time the character of the damage is obvious, remedial action will be difficult or impossible. Some kinds of adverse effects may be practically irreversible.”

To deal with the alleged future crisis, the pseudo-scientists at the 1975 conference concluded that they had to launch an international scare campaign, based on the scientifically fraudulent claim that industrialization and other human activities would eventually lead to the destruction of the planet. For example, one of the conference participants, Stephen Schneider, a climate scientist, was outspoken about the scare-mongering involved. He spelled it out to *Discover* magazine some years later, in 1989: “To capture the public imagination, we have to offer up some scary scenarios, make simplified dramatic statements and little mention of any doubts one might have. Each of us as to decide the right balance between being effective and being honest.”

All of the essential elements of the global warming scheme were, in fact, put on the table at the 1975 event.

Implementing the Hoax

What followed was implementation, with the United Nations serving as the venue for intense green propaganda, and ever more coercive pressure for nations to submit to economic destruction in the name of saving the Earth. The International Union for the Conservation of Nature (IUCN) acted officially with the U.N. all the way, under the rubric of “consultative” status, granted under U.N. Resolution 1296, adopted in 1968, under intense IUCN pressure.

In 1982, the U.N. *Charter for Nature* was passed by the U.N. General Assembly. It was prepared by the IUCN. In 1987 the report “Our Common Future” was issued by the World Commission on Environment and Development, mandated in 1983 by U.N. Sec. Gen. Javier Pérez De Cuéllar. The report (known as the “Brundtland Report,” after its chairman, Gro Harlem Brundtland) is noteworthy for putting into common parlance the catch-all phrase, *sustainable* development, to extol retrograde modes of power, agriculture, or any other economic practice—modes not actually sustainable at all.



Anthropologist Margaret Mead launched “global warming” as a new population-reduction strategy at a 1975 conference in the United States. Working with her there was John Holdren, now President Barack Obama’s Science Advisor; Holdren was a protégé of the discredited “population bomb” inventor Paul Ehrlich.

In 1988, the U.N. commissioned the Intergovernmental Panel on Climate Change (IPCC), which became the loudest voice insisting on reducing human numbers and activity, according to the metric of “sustainable development,” in order to diminish global warming. From 1990 to 2014, the IPCC has published more than 40 reports on different facets of its “sky-is-falling” message. Teams of authors have churned out thousands of pages under three rubrics: 1) “assessment” of climate change—five sets of four reports per set; 2) eleven “special” reports, e.g., “Safeguarding the Ozone Layer” (2005); and 3) ten “methodology” reports, e.g., on how to measure “wetlands” (2013). Part of the IPCC function has been to demoralize scientists into submission to the green hoaxes.

In 1989, GLOBE International (Global Legislators Organization for a Balanced Environment) was formed—a new world entity aimed at corraling parliamentarians committed to “overseeing the implementation of laws in pursuit of sustainable development.” Instigating backers included Tony Blair (UK Prime Minister 1997 to 2007), the UK Foreign & Commonwealth Office, and the London Zoological Society. Today, GLOBE claims legislators in 80 nations.

These initiatives were the run-up to the 1992 Rio Summit, officially the U.N. Conference on Environment and Development, in June, in Rio de Janeiro. The conclave of 172 governments, with 116 heads of state, agreed to the UN Framework Convention on Climate Change (UNFCCC). (A parallel event called “Global Forum” brought together 17,000 participants from NGOs, which went forward as a green strike force.)

Under this new UNFCCC, an annual Conference of the Parties (COP) has been held for 20 years, to push for compliance on reducing greenhouse gas emissions by specified deadlines in the near term. The first confab, COP 1, was held in Berlin in December 1994. At COP 3 in Kyoto, Japan, a text was put forward—known as the “Kyoto Protocol”—for nations to submit to a legally binding agreement, for the goal of collectively reducing global emissions of six greenhouse gases (carbon dioxide, methane and four others) by 5.2% by 2010, compared to 1990. (This represents a cut of over 25%, relative to the trend of expected levels of emissions.) Many nations balked. A series of “commitment periods” was begun, in an attempt to keep the process going, starting with 2005-2012, and then 2012 to 2020 (known as the Doha Amendment period), which was modified at COP20 in Lima, Peru in December 2014. As of July 2015, 36 nations have signed on. Now COP21 is set for December 2015, in Paris, amidst fierce pressure on nations to finally submit en masse.

The continuing mandate, with or without the nicety of treaties, is for nations to devise and implement their own green grab-bag of so-called Earth-saving actions of “for’s and against’s”: for “renewable energy” (bio-mass, solar, wind); for “sustainable” agriculture and industry; against chemicals, against pollution, against fossil fuels, against water “over-use,” and so on. The intent: against people.

‘The Enemy Is Humanity’

The intended result of this process is to kill people. The toll of death and deprivation is measurable, under the various green mandates for curbing necessary activity across the different sectors of the economy—power, water, farming, industry, transportation, and even space.

POLLUTION. One of the foremost scare stories involving protecting Mother Earth from man-made pollution and noxious modern chemicals, is that DDT is dangerous. In 1972, its use was banned in the U.S., as a result of green fascist intervention in Washington, D.C., and DDT usage internationally was drastically diminished over succeeding decades. The result: some 70 million needless deaths from malaria worldwide—mostly in Africa—over the period 1973 to 2014. At present, there are over 200 million needless cases of malaria each year, and over 500,000 deaths. An estimated 3.3 billion people are at risk from malaria today, according to the latest World Health Organization evaluation.

RENEWABLE FUELS. Another deadly green hoax, is that bio-mass fuels—ethanol, gasohol, bio-diesel—are desirable as “renewables.” This means, in fact, that vast areas of land are under cultivation—from U.S. corn fields, to Brazilian cane, to Southeast Asian palm groves—to produce fuels to go up in smoke.

Labor, machinery, seed and chemical inputs are likewise sucked into the process of degradation of agriculture. In 2005, the U.S. passed a “Renewable Fuel Standard” law mandating an annual volume of U.S. biofuel production, used in gasoline (corn ethanol), which over the last decade, has accordingly expanded internationally. The loss of food is immense. As of 2010, a third of the U.S. corn harvest—which itself accounts for more than a third of world corn production—went to ethanol. This quantity of corn would have had the potential to feed 560 million people, had it not been burned.

There are many other blatant examples. Thus, we are seeing the green goal of depopulation in action.

There could be no more explicit statement of this goal, than that by the Club of Rome in its 1991 document, *The First Global Revolution*: “In searching for a new enemy to unite us, we came up with the idea that pollution, the threat of global warming, water shortages, famine and the like would fit the bill...But in designating them as the enemy, we fall into the trap of mistaking symptoms for causes. All these dangers are caused by human intervention and it is only through changed attitudes and behavior that they can be overcome. The real enemy, then, is humanity itself.”

Are We Sacrificing the Economy to the Climate Idols?

by Andrea Andromidas

WIESBADEN, Germany, Aug. 15—In March 2018, the European Commission established a Technical Expert Group (TEG) on sustainable finance. On 18 June 2019, the TEG, under the EU Action Plan, published its Technical [Report](#) on “EU Taxonomy.” They proposed a 10-point Action Plan on “sustainable finance,” designed to channel the bulk of future investment capital into projects which will contribute to fighting “climate change.”

If the proposed classification system, EU Taxonomy, does indeed acquire the force of law, EU member states will soon be required to legally determine which investment is good and which is not in the name of the “climate idols.” Can the financial sector behind this initiative not understand that it is digging its own grave, along with the graves of industry and the population?

Earlier at the 2015 Paris Climate Summit, the wording of the [Framework Agreement](#), Article 2 of the Annex states that, in order to achieve the general climate goals, the signers of the agreement commit to “Making finance flows consistent with a pathway towards low greenhouse gas emissions and climate-resilient development.” At the time, in 2015, this clause received little or no public attention, but it was perceived as very important in the financial sector.

In a [panel discussion](#) on “Sustainable Finance,”



UN/Mark Garten

Left to right: Christina Figueres, UNFCCC Executive Secretary; Ban Ki-moon, UN Secretary-General; Laurent Fabius, Minister for Foreign Affairs of France and President of COP21; and François Holland, President of France, celebrate adoption of the Paris Agreement on climate change on December 12, 2015.

June 7-8, 2019, at the Frankfurt House of Finance, Dr. Christian Thimann spoke euphorically in his introductory address about the Miracle of Paris, and on the remarkable fact that all foreign ministers have signed this, even though they usually understand little or nothing about finance. A summary of the panel can be found [here](#). He noted as well that the European Commission then worked hard for two years on the plan, and that, last but not least, 12 million young people had taken this new idea to the streets—and as a result of all of this, “sustainability” has now arrived at the financial sector.

The Clause from Hell

Dr. Thimann, Adviser to the President of the European Central Bank (2008-20013), CEO of Athora Insurance Holding, and Vice-President of the Task Force

on Climate-Related Financial Disclosures (TCFD), founded by Mike Bloomberg just after the Paris Agreement in December 2015, became Chairman of the Board of the High Level Expert Group (HLEG) on Sustainable Finance, which was set up at the end of 2016.

In an “[Insider’s Report](#),” published as a commentary at the Grantham Institute in March 2019 as part of its Sustainable Finance Leadership Series, Thimann described in great detail what sort of avalanche of events this Parisian formulation has triggered. The auspicious title of his commentary is: “How the EU Learned to Love Sustainable Finance: The Inside Story of HLEG.”

This group of some twenty experts, along with other observers and dedicated EU Commissioners, saw their mission as no less than answering the “need for a profound transformation of the financial system to support sustainable development,” with the declared goal of working step by step to write it into law.

The June 2019 [report](#) of the Technical Expert Group, titled “Taxonomy Technical Report: Financing a Sustainable European Economy,” explains, over the course of more than 400 pages, how the European economy must soon be reoriented. All sectors of the economy, such as agriculture, forestry and water management, industrial production, energy, transport, communications and the construction industry, are examined to determine which activities will be judged in the future to be “climate-friendly” and which are not, or, with regard to the new Paris Agreement—What can and can not be “brought into harmony with the financial flows.”

What emerges here is a new classification system for sustainability, called “EU Taxonomy,” one which has nothing to do with the market economy or industrial policy, but is concerned only with imposing green ideology.

Obviously, in the Federal Republic of Germany, it has to be noted soberly that following the forced exit from nuclear energy and similar proscriptions for the coal sector, legal regulations from the financial sector

The screenshot shows the top navigation bar of the European Commission website with 'Policies, information and services' selected. Below the header, the breadcrumb trail reads 'Home > Publications > EU taxonomy for sustainable activities'. The main title is 'EU taxonomy for sustainable activities'. A metadata table lists the publication date as 18 June 2019, the author as the Financial Stability, Financial Services and Capital Markets Union, and the topic as Banking and financial services. The text below explains that the European Commission established a Technical Expert Group (TEG) on sustainable finance in July 2018, following an action plan from March 2018. It details that Action 1 of the plan calls for an EU classification system for sustainable activities, and that the TEG has been asked to develop technical screening criteria for economic activities that contribute to climate change mitigation or adaptation while avoiding significant harm to other environmental objectives.

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Topics	Banking and financial services

In order to inform its work on the [action plan: financing sustainable growth](#) published in March 2018, the European Commission established a [Technical Expert Group \(TEG\) on sustainable finance](#) in July 2018.

Action 1 of the action plan calls for the establishment of an EU classification system for sustainable activities, i.e. an EU taxonomy. The European Commission followed through on this action in May 2018 with a [proposal for a regulation on the establishment of a framework to facilitate sustainable investment](#) (taxonomy regulation).

Within the framework of the proposed taxonomy regulation, the TEG has been asked to develop recommendations for technical screening criteria for economic activities that can make a substantial contribution to climate change mitigation or adaptation, while avoiding significant harm to the four other environmental objectives.

Technical report on EU taxonomy

(via EU legislation) are now on the agenda to lead the financial sector in the same misguided direction.

Much to the regret of Green Parliamentarian Sven Giegold and others in the EU, as of now, August 2019, the application of Taxonomy is still limited to the area of “sustainable financial products,” but that is about to change.

Why the Rush?

The haste with which these schemes are currently being pursued in the EU, and the apocalyptic hysteria that is spreading in parallel throughout almost all media, suggests that an entire historical period is coming to an end. The misconceived “limits to growth” that has repeatedly determined Western policy for fifty years, is based on two claims, both extremely ideological and never scientific in nature:

Claim 1: The industrial growth of rich nations depletes the resources of the world and destroys the environment and it cannot go on like this.

Claim 2: Welfare and prosperity of the industrialized world can be ensured even without the traditional growth of industry, instead relying on spectacular financial market gains, employment in the services sector, and the realization of an “information revolution.”

The New Economy burst on the scene in 2001, followed by the financial crash in 2008, and yet the big banks, investment houses, insurance companies and pension funds in particular stuck to the concept that financial market profits will continue to be a gold mine. The concepts of decarbonization, ecological footprint, and the whole “green economy” all come essentially from the financial industry think tanks, which not only have made huge profits, but also have created very influential propaganda machines with countless NGOs, even leading large sectors of blue-chip firms by the nose. One of the most successful NGOs, the Carbon Disclosure Project, boasts of 655 investors associated with this project managing more than \$78 trillion in assets, and thus in possession of a majority of the world’s top-selling listed companies.

After Deutsche Bank got into trouble and became a hopeless case, the future existence of all this depends more and more on “new ways.”

‘New Ways’ Are Needed

In this regard, the proposed EU Taxonomy legislation is a turning point, even for the investment sector. According to Dr. Thimann, investors and financial institutions need to be persuaded (by regulation) to leave the usual high-risk area and once again invest in a more low-risk fashion, and at the same time to think long term. In the already cited “Insider Report,” Thimann surprisingly reveals, quite extensively, why the previously typical speculation is very bad. However, the consequences of the “solution” he proposes are even worse for the economy than speculation, which is to say, deadly. Let’s first hear what he has to say about speculation.

Having experienced the



blackest days of the financial crisis and all the misery of the hedge fund managers, Thimann says he realized that an entirely new approach was needed, and that’s why he happily accepted the task posed by the High-Level Expert Group. In the course of this work, he says, he came to the conclusion that speculative financial market gains have the inherent flaw of not creating any significant economic value, and that it is therefore necessary to separate the field of financial investment from the field of financial speculation. Investment seeks to attain the realization of long-term returns; speculation seeks only short-term profit:



Christian Thimann

Franck Dunouau

The sphere of financial speculation seeks to draw short-term profits from trading such long-term assets. This *short term* can range from microseconds to days or weeks. The aim is to draw profits not from the longer-term underlying economic returns of these assets, but from their short-term price movements in the financial markets. The bulk of financial

trading is based on this activity, which creates virtually no economic value, worsens financial cycles and creates spurious market liquidity. The resources consumed in this activity would be much more useful in the real economy. Personally, I believe that only when policies and regulation drastically reduce the volume of such financial speculation will we be able to achieve a sustainable financial system. If this is done—and only then—will the field of financial investment and sustainable finance flourish.

So far, so good, but then comes the catch.

The entirety of the EU Taxonomy procedures and the Bloomberg-led [Task Force on Climate-Related Financial Disclosures](#) (TCFD), is designed to launch a “transformation of energy systems” without further delay and to mobilize the necessary trillions of investments through new regulation of both private and public funds.

For fundamental reasons of physics and economics, however, this scheme is not, as stated above, a value-adding investment in the physical economy, but just the opposite, with foreseeable catastrophic consequences. It is a huge investment in a *forced regression*. It is the futile attempt to force an industrialized nation into a mode of operations dependent on energy-flux densities characteristic of the Middle Ages, which will crash and burn somewhere along the way down, unless the record is pulled first.

Energy-Flux Density as a Principle of Development

The technological development of healthy economies necessarily progresses, in principle, in the direction of higher energy-flux densities, because, reciprocally, higher forms of energy are required to support a growing population, and a growing population depends on its mastery of higher forms of energy and their introduction into the production process.

It may well be that Dr. Thimann, a corporate insurance expert, understands energy-flux density just as little as the foreign ministers mentioned above. Instead, he is more likely to be aware of the warnings on the website of Agora Verkehrswende, an environmental consultancy in Berlin, where the first sentence, under Point 1, reads: “*Energy is a scarce com-*

modity.” His lack of scientific acumen may further support his mistaken belief that the reduction of energy consumption is therefore a top civilizational priority. Nobody could have published such nonsense fifty years ago!

What is planned here cannot be expressed drastically enough:

Forcing a highly industrialized nation to rely on a low-energy-dense weather-dependent energy supply, by dictatorial means, will in the medium term lead to a destruction of national wealth not unlike the conversion from a productive economy to the production of war materiel. (That, too, is known to yield high profits for a while.) The planned closure of modern and productive nuclear, coal, and gas-powered plants, is in itself a destruction of economic wealth that is unparalleled in history.

The fantasy of the financial sector is to benefit in the short term from the *trillions* of euros in investments that would be necessary to manage the weather dependence and growing shortages of Germany’s energy supply, systematically induced by this transformation. The European Central Bank does not shy away from using science-fiction apostles such as Jeremy Rifkin to justify this gigantic reorganization as a “Fourth Industrial Revolution,” as happened at the European Central Bank meeting in January 2017 in Frankfurt.

No country would voluntarily embark on such a process of self-destruction. It takes a long and sustained effort before public opinion will worship the new climate idols, and even then the prescriptions offered sound like the words of children: “Industry is bad; go back to the trees, you apes!”

We are currently experiencing an internationally coordinated manipulation with no purpose other than to force through, under a fabricated time pressure, what could never happen under free discussion.

In particular, the large sector of medium-sized industries in Germany, which has so far largely escaped the laws of the listed companies, should not only concern itself with the consequences of the planned EU “Taxonomy regulation,” but should finally intervene in the discussion process to prevent a complete economic disaster. The documents for the planned transformation are diverse and accessible to all. The challenge is to understand the gigantic nonsense of the planned energy transformation and to coolly face the thundering of the climate idols.

II. THE TRUE SCIENCE OF CLIMATE

Temperature Doesn't Follow CO₂ As Alarmists Claim

by Benjamin Deniston

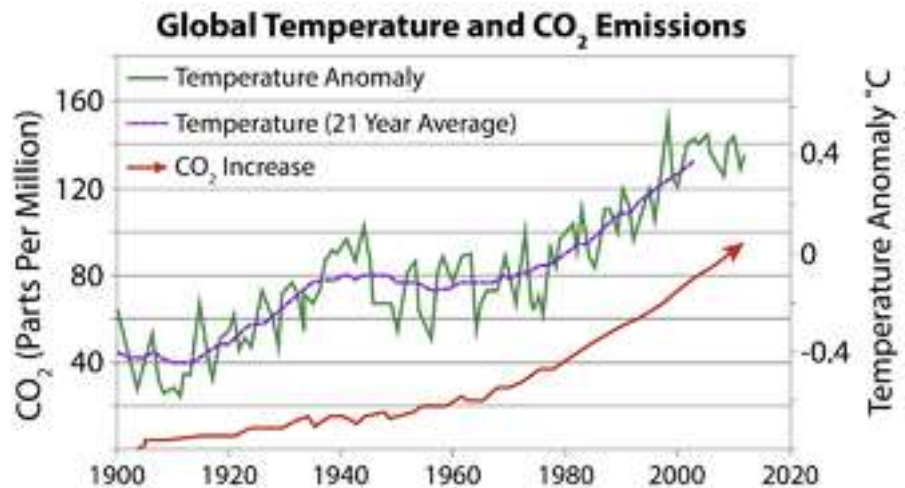
The narrative of an impending man-made climate change catastrophe is based on an assertion that the Earth's climate is extremely sensitive to increases in CO₂ emissions and that CO₂ ranks among the most important factors determining climate across many timescales. When you hear about rising human CO₂ emissions causing everything from devastating droughts to worsening storms, from sea level rise to mass extinctions, realize that these are all based on computer models built on the assertion that changes in CO₂ will have a strong effect on global climate. However, there is one minor problem with their arguments: reality does not support that assertion.

The climate is always changing, with many factors involved (as discussed in the accompanying article, "What Causes Climate Change? The Sun, the Solar System, and the Galaxy"), and the historical and geological evidence tells us that CO₂ is a relatively *minor* factor (if much of a factor at all).

Case 1: 20th Century

Start by comparing CO₂ levels and temperature over the past century. From 1900 to the present, a relationship existed between human emissions of what are called "greenhouse gases" and the yearly average global temperature is far from self-evident. **Figure 1** compares global average temperature with increases in greenhouse

FIGURE 1



The annual average global temperature is from the Hadley Center in the United Kingdom. The cumulative emissions are from the international inventory data base of the USA Department of Energy. The CO₂ levels prior to 1959 are from NOAA records of Antarctic ice cores, and CCO₂ levels after 1959 are from measurements at Mauna Loa, Hawaii. CO₂ increases are measured above a 1900 baseline value of 300 parts per million (by volume). Graphic adapted from an original by Ferdinand Engelbeen.

gas and CO₂ emissions (expressed as an increase above the pre-industrial baseline of 300 parts per million).

The data reveal a global temperature increase from 1910 to 1945, during a period when human greenhouse emissions were relatively low. As the rate of CO₂ increase began to accelerate over the following 30 years, global temperatures did not increase along with them; the temperatures went flat from 1945 to 1975. The only period where these processes correspond is the recent warming phase, from 1975 to 1998. However, since 1998 global temperatures have again gone flat, breaking from the upward trend in CO₂ emissions.

Before going on, it should be emphasized that this disagreement is evident in the most recent historical data

provided by NOAA and other government agencies. As will be discussed in the accompanying article, “The ‘Methods’ of Climate Alarmists,” we have strong reasons to question the accuracy of the historical data provided by government agencies with a vested interest in the man-made climate change catastrophe narrative, as they have repeatedly cherry-picked the data that supports their assertions, and even “adjusted” historical data to fit their claims. That stated, even with these biases in the data selection and adjustment processes, we *still* see this disagreement between CO₂ and temperature.

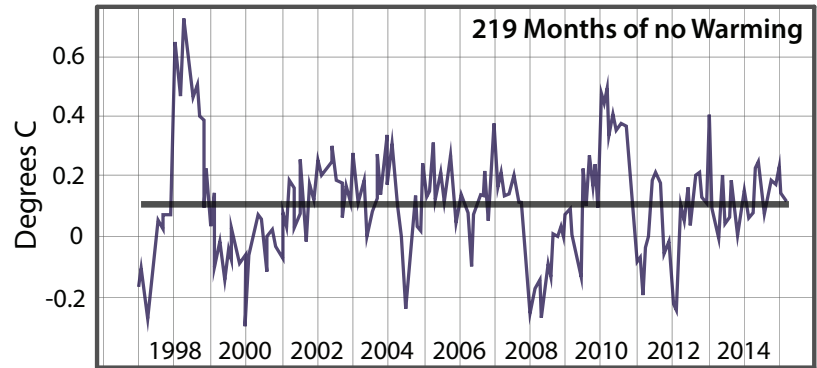
Case 2: The Pause

Focusing on this more recent period (1998 to the present), two different assessments of global temperature based on satellite measurements both show that global temperatures have shown no increasing trend since 1998 – despite the relatively large increase in CO₂ levels. These satellite measurements represent an important, independent temperature record, free from the manipulations of surface temperature records discussed in the accompanying article, “The ‘Methods’ of Climate Alarmists.”

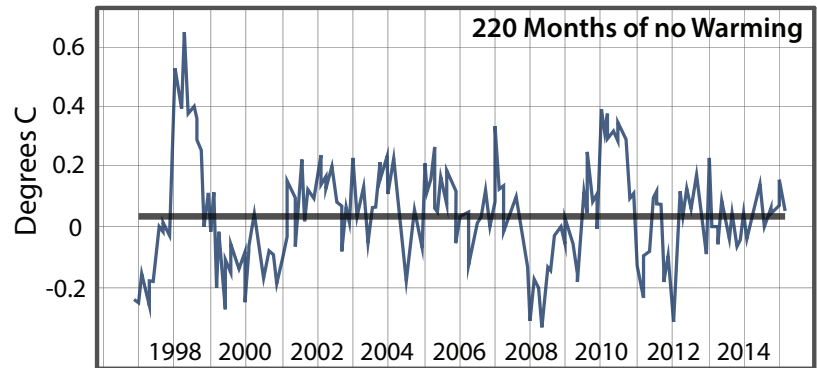
This recent flat-line in global temperature has been popularized as a global warming “pause” or “hiatus.” Even with CO₂ and other greenhouse emissions continuing to accelerate over the past two decades, *the Earth hasn’t warmed in response*. There are literally dozens of purported explanations for why this leveling off does not bring into question the narrative that the climate is extremely sensitive to CO₂ levels and continued human CO₂ emissions will cause catastrophic climate change. But these explanations are all post hoc excuses. *None of the climate models predicted this pause before it occurred, yet we are now told to trust those same climate models for future predic-*

FIGURE 2

Satellite Data Shows No Global Temperature Rise for 18 Years



Global Lower Troposphere Temperature Anomalies from UAH (University of Alabama in Huntsville) Analysis of Satellite Data (Version 6.0 beta; January 1997 to March 2015; Reference 1981-2010)



Global Lower Troposphere Temperature Anomalies from RSS (Remote Sensing Systems) Analysis of Satellite Data (December 1996 to March 2015; Reference 1979-1998)

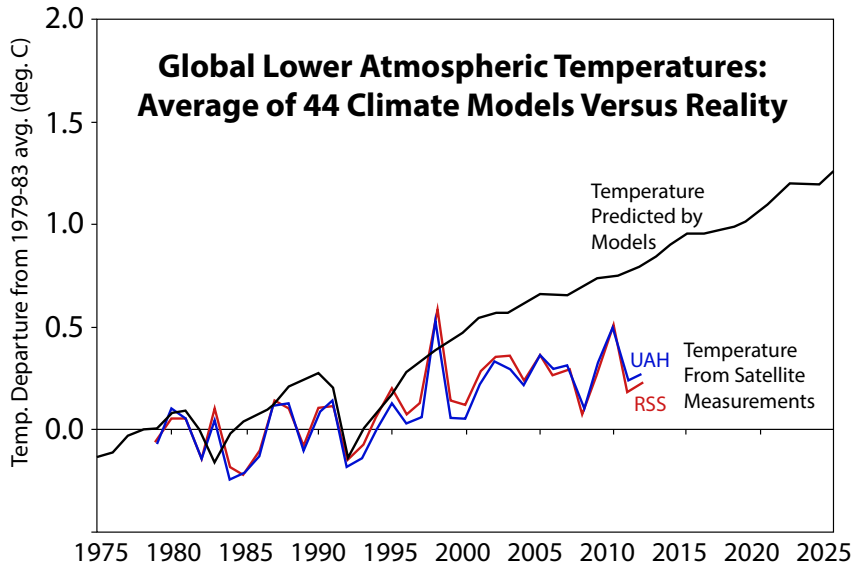
The RSS (Remote Sensing Systems) and UAH (University of Alabama in Huntsville) analysis of satellite measurements show that there has been no trend of global temperature increase since the late 1990s. Graphics reproduced from originals by Bob Tisdale.

tions of how CO₂ increases will devastate the Earth’s climate.

The spectacular failure of computer models to accurately predict how the Earth’s climate will respond to changes in CO₂ levels can be further illustrated by comparing the predictions made by dozens of computer models with the actual results that occurred. As can be seen in **Figure 3**, actual temperature has remained below the vast majority of all climate model predictions, and well below the average of all predictions.

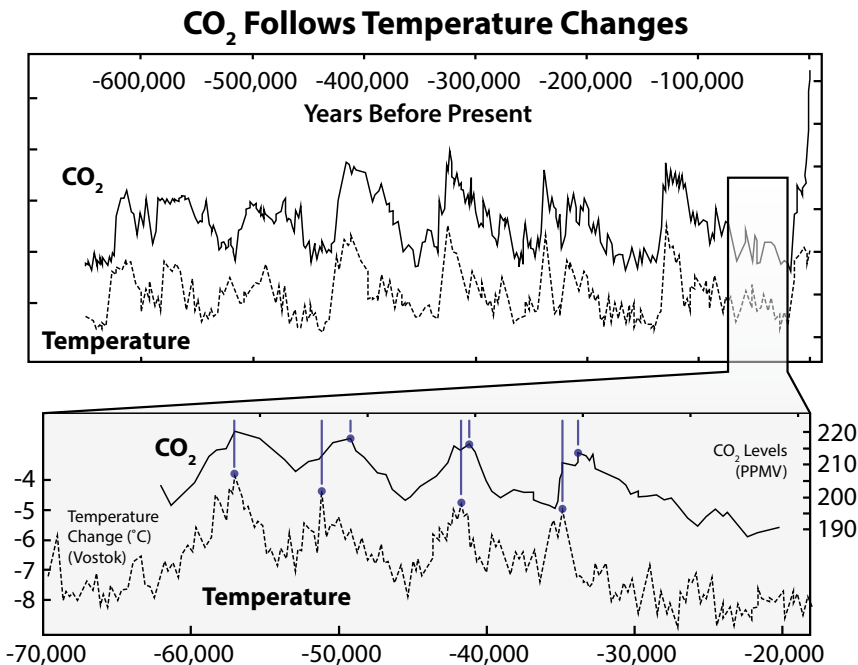
These results indicate that the Earth’s climate is not responding to CO₂ emissions as claimed by those sup-

FIGURE 3



The global temperature predicted by an average of 44 climate models compared against actual global temperatures measured by satellites. Image adapted from Dr. Roy Spencer, “95% of Climate Models Agree: The Observations Must be Wrong,” February 7th, 2014, <http://www.drroyspencer.com/>

FIGURE 4



Measurements of temperature and CO₂ for the past 600,000 years. When the entire period is viewed, a very clear correlation is apparent, but which is causing the other to change? When examined more closely, we see that temperature changes first, followed by changes in CO₂ levels (which appear to be responding to the temperature changes). Image adapted from “Analysis of ice core data from Antarctica,” by Indermühle et al. (GRL, vol. 27, p. 735, 2000), and the science fiction film *An Inconvenient Truth*.

porting the man-made climate change crisis narrative. Surprised? You shouldn't be. This is completely consistent with historical and geological records, which paint the picture of a climate that is *not* highly responsive to CO₂ levels. On certain timescales we see the *opposite* of what we're generally told by alarmists, CO₂ levels being determined by climate (rather than CO₂ determining climate).

Case 3: CO₂ Lags Behind Temperature

One of the more infamous illustrations of this comes from the evidence popularized by Al Gore in his science fiction film, *An Inconvenient Truth*. Gore presented a close correlation between CO₂ levels and temperature records going back a half million years (recorded in ice core samples from Antarctica). This was presented as conclusive evidence that CO₂ changes drive changes in global temperature, with Gore stating “there is one relationship that is far more powerful than all the others, and it is this: when there is more carbon dioxide the temperature gets warmer, because it traps more heat from the Sun inside.” There's a good reason Gore provided no explanation of what would have caused these past changes in CO₂.

What he didn't mention was that the changes in CO₂ levels came *after* changes in temperature, indicating that CO₂ was not causing the climate to change, but rather *responding* to temperature change. This is no surprise. The oceans absorb, store, and release large amounts of CO₂, and the temperature of the ocean water determines how much CO₂ it can hold. Consequently, changes in climate (and ocean temperature) can increase or decrease the CO₂ in the

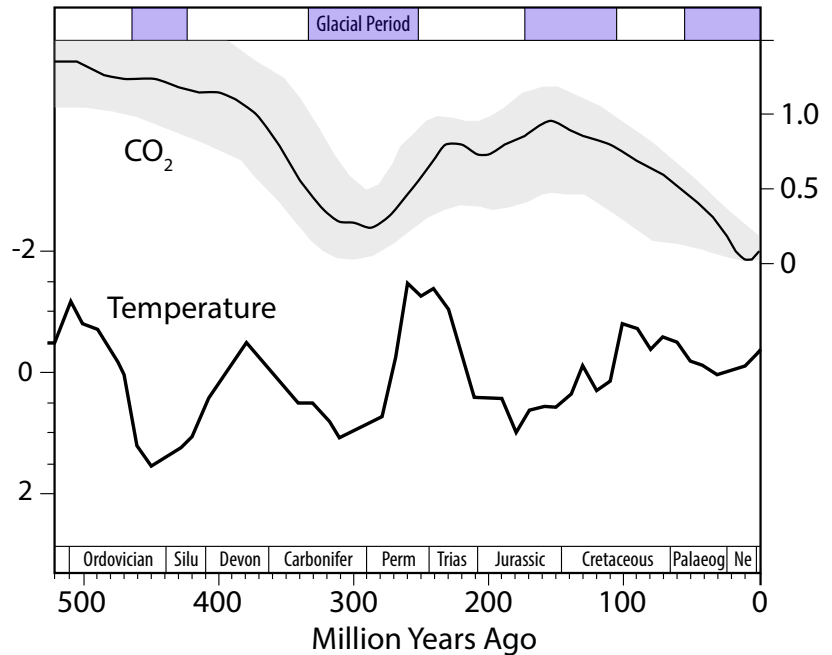
atmosphere. For example, warming causes more CO₂ to be released into the atmosphere, so a CO₂ increase would be expected to come after (lag behind) a temperature rise.¹

Records of CO₂ changes following temperatures have repeatedly been shown in multiple studies. A 1999 study showed that CO₂ changes followed behind temperature changes by 600 years during the last three transitions from ice ages to interglacial periods.² A 2000 study found that CO₂ lagged temperature changes by 1,200 years in Antarctic ice cores between 60,000 and 20,000 years ago (see **Figure 4**).³ A 2001 study demonstrated an 800 year CO₂ lag in the beginning of the most recent interglacial. And a 2005 study showed CO₂ lagging temperature changes in temperature by 1,900 years in Antarctic data.

Case 4: The Phanerozoic

The lack of climate sensitivity to CO₂ is further supported when we look at longer timescales, covering hundreds of millions of years. For records covering the entire time of advanced animal life on Earth (the Phanerozoic Eon, from 540 million years ago to the present) we see no evidence that varying CO₂ levels drive global climate, or are even correlated with climate changes. We see periods where CO₂ levels were much higher than today, with lower global temperatures (as in the Ordovician and Jurassic periods). And we see long-term trends of CO₂ increase associated with temperature decrease, followed by CO₂ decrease being associated with temperature increase (from the late Permian,

FIGURE 5



Temperature and CO₂ levels for the past 500 million years. Image adapted from Berner and Kothavala, 2001 and Veizer et al., 2001.

through the Triassic, Jurassic, and Cretaceous). Again, this shows the absurdity of the assertion that the Earth’s climate is highly responsive to atmospheric CO₂ levels, and the criminality of the alarmists’ demands that human CO₂ emissions be drastically cut back.

Whether we look at the recent changes of the Earth’s climate over the past decades and centuries, or longer-term records covering the past hundreds of thousands or hundreds of millions of years, we see clear evidence that CO₂ is not a major factor determining the Earth’s climate. As discussed in the accompanying article, “What Causes Climate Change? The Sun, the Solar System, and the Galaxy,” the Earth’s climate is always changing, but not because of CO₂.

Bottom line: is CO₂ a greenhouse gas? Yes. Could an increase in CO₂ levels affect the climate? Sure, that is possible, but the evidence indicates it wouldn’t be much of an effect (if any). Is there any reason to believe that human CO₂ emissions are going to bring the world climate system to the verge of some catastrophic change, requiring concerted, costly, and drastic efforts to slash emissions? *Absolutely not.*

1. Many supporters of the man-made climate change crisis narrative don’t dispute that CO₂ changes follow behind temperature changes, but they argue that different causes (other than CO₂) initiate the temperature change, which then releases more CO₂, and then the CO₂ acts to amplify these temperature changes. However, this is just reasserting their thesis, and providing no proof. According to this scenario these geological records don’t provide *any* evidence to support the claim that the climate is highly sensitive to CO₂ change (as Gore claimed)..

2. Fischer et al., *Science*, vol 283, p. 1712, 1999.

3. Indermühle et al., *GRL*, vol. 27, p. 735, 2000.

What Causes Climate Change? The Sun, the Solar System, and the Galaxy

by Benjamin Deniston

Although historical and geological records of CO₂ changes fail to correspond with temperature changes, there are larger-scale, extraterrestrial phenomena that do match climate and related changes quite well. These include shifts in the activity of the Sun, the characteristics of the Solar System, and the Sun's changing position within the Galaxy. This can be clearly seen on a series of different timescales.

On the timescale of the past century, variations in Solar activity match changes in the Earth's temperature (which clearly deviate from the trends in CO₂ emissions). This has been shown with measurements of average US temperature, average Arctic temperature, and average global temperature, compared with changes in solar activity. From around 1900 the temperature increased until about the middle of the century—when CO₂ emissions were relatively low, *but solar activity was on the rise*. From about the 1940s to the mid-1970s, temperature held flat, or even declined—matching the easing of solar activity, but not matching the accelerated increase in CO₂ emissions. The warming from the mid-1970s to the end of the century matches both the increase in solar activity and the increase in CO₂ emissions, but since the turn of the century solar activity has leveled off and temperature has leveled off with it (while CO₂ emissions continue to accelerate). (**Figure 1**).

While it has been argued that the measured changes in the amount of sunlight reaching the Earth are too small to account for the observed global climate change, a new body of research shows that an additional process amplifies the effect of the Sun on the Earth's climate: the Sun's role in affecting the flux of galactic cosmic radiation, which then plays a critical role in cloud formation (and, therefore, the climate). Galactic cosmic radiation

Three different temperature records over the past century show the same general trends, warming in the first half of the century, leveling off or cooling from the 1940s to 1970s, followed by warming which lasted until about the turn of the century. This matches the general changes in solar activity, as measured by the sunlight reaching the Earth (total solar irradiance—TSI), but not changes in CO₂ emissions..

FIGURE 1

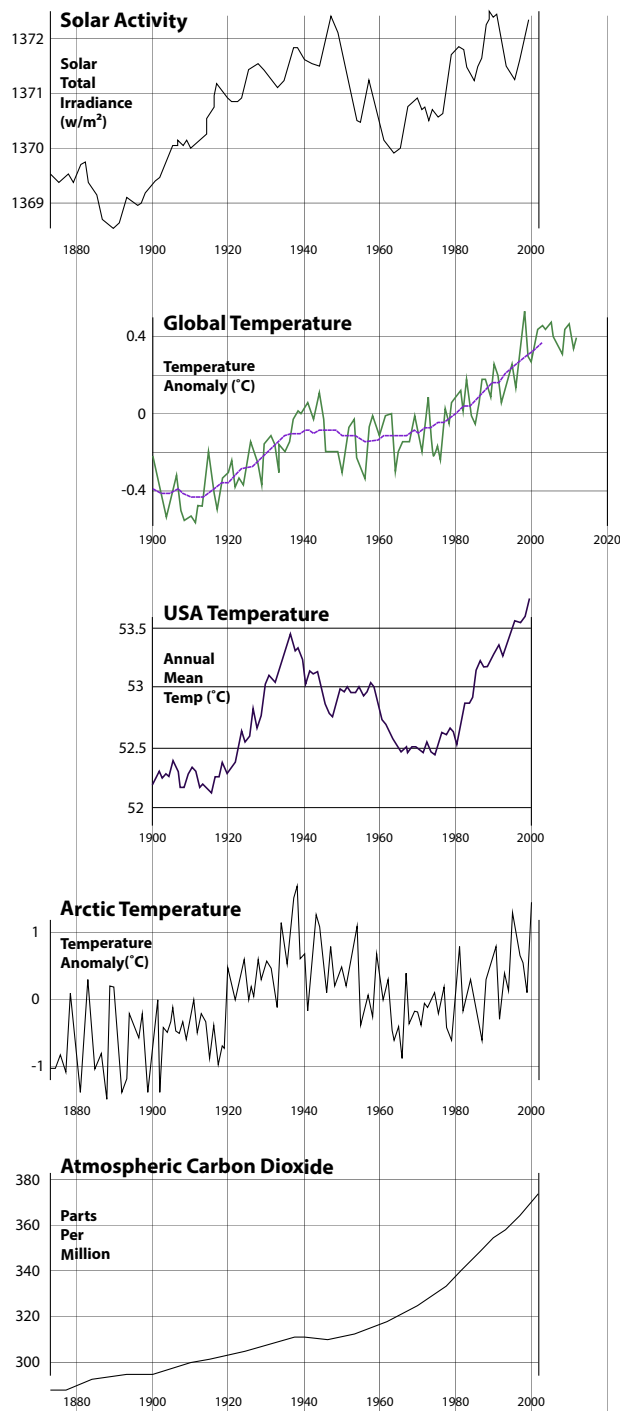
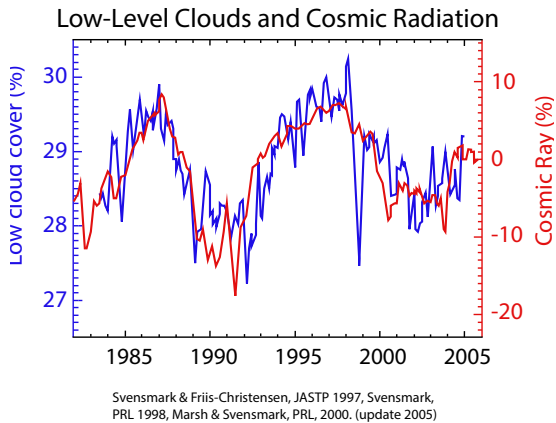


FIGURE 2A

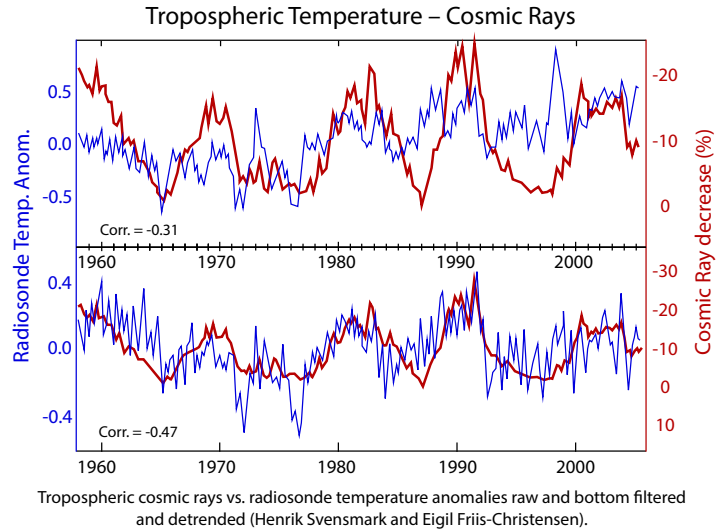


is composed of atomic particles (mostly protons and helium nuclei, with a few nuclei of heavier elements as well) traveling at extremely high speeds throughout the galaxy. Because they are charged, the Sun's magnetic field acts to change their paths, thereby regulating the amount of high energy galactic cosmic radiation reaching the Earth's atmosphere. A stronger Sun (in the sense both of more sunlight and a stronger magnetic field) means that more of these particles are deflected, leading to the Earth receiving less galactic cosmic radiation. Conversely, a weaker Sun deflects fewer of these cosmic radiation particles, allowing more to reach the Earth.

In 1997 Danish scientists Henrik Svensmark and Eigil Friis-Christensen showed that the density of low-level cloud cover appeared to change in response to variations in the flux of galactic cosmic radiation. Since then they continued to develop evidence to support their new theory, showing in laboratory experiments that galactic cosmic radiation affects the processes which lead to cloud formation,¹ and identifying additional responses of the Earth's climate system to changes in the cosmic radiation flux. In a 2007 study, Svensmark and Friis-Christensen showed that the global average temperature of the atmosphere rose and fell in lock step with changes in the flux of galactic cosmic radiation. A 2009 study by Svensmark and col-

1 "Response of cloud condensation nuclei (>50 nm) to changes in ion-nucleation," Henrik Svensmark, Martin B. Enghoff, Jens Olaf Pepke Pedersen, Physics Letters A, Volume 377, Issue 37, 8 November 2013, Pages 2343–2347.

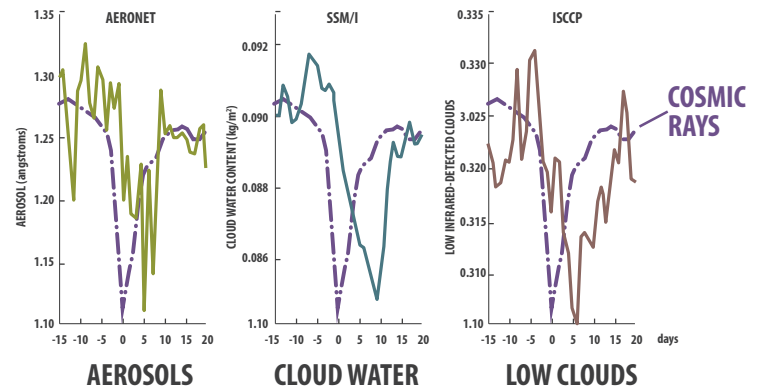
FIGURE 2B



"Cosmic ray decreases affect atmospheric aerosols and clouds," Henrik Svensmark, Torsten Bondo, Jacob Svensmark, *Geophysical Research Letters*, 2009; 36 (15).

FIGURE 2C

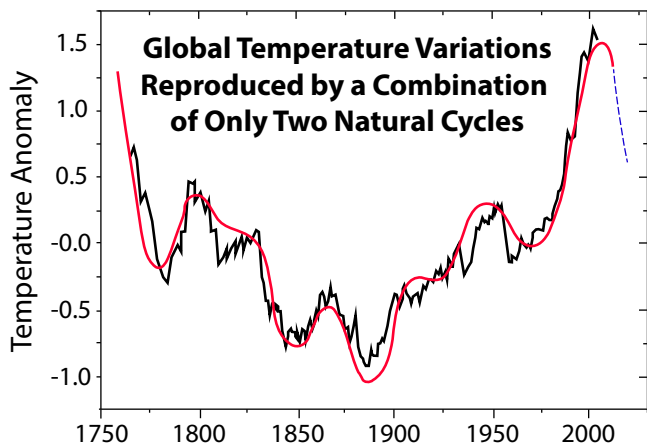
GALACTIC COSMIC RAYS AND CLOUDS



Svensmark, H. and Friis-Christensen, E., "Reply to Lockwood and Fröhlich – The persistent role of the Sun in climate forcing", Danish National Space Center Scientific Report 3/2007.

*Various atmospheric processes have been shown to respond to changes in the flux of galactic cosmic radiation. This includes low-level cloud formation and atmospheric temperature, as measured over past decades, as well as aerosol formation and the water content in clouds, as measured days after sharp drops in the flux of galactic cosmic radiation. Graphic adapted from originals in Svensmark, H. and Friis-Christensen, E., "Reply to Lockwood and Fröhlich – The persistent role of the Sun in climate forcing", Danish National Space Center Scientific Report 3/2007; and "Cosmic ray decreases affect atmospheric aerosols and clouds," Henrik Svensmark, Torsten Bondo, Jacob Svensmark, *Geophysical Research Letters*, 2009, 36 (15).*

FIGURE 3



The interaction of only two cycles, those of 210 and 65 years, produces the red curve, matching recorded temperature changes extremely well. Graphic adapted from original by Lüdecke et al.

leagues showed that the number of low-level clouds, the water content in clouds, and the number of cloud-forming aerosols all decreased in the days following sudden drops in galactic cosmic radiation (caused by explosive outbursts of solar magnetic activity). (Figure 2).

These studies all show that cosmic radiation plays a critical role in processes of cloud formation and thereby acts as a critical factor in determining the Earth’s climate, because clouds regulate the amount of sunlight reaching the Earth’s surface. A more active Sun not only puts out more light, but it also blocks more cosmic radiation, meaning fewer clouds and more sunlight reaching the Earth’s surface. Svensmark and colleagues have shown that a change of only a few percent in low-level cloud cover (attributable to change in the flux of galactic cosmic radiation) could account for half of the warming in the past century.

This relatively new body of work indicates that much of the climate change over the past century has been largely driven by natural activity, meaning that any affect human CO₂ emissions have had is relatively negligible, and future human CO₂ emissions are not something to worry about. This conclusion is supported by a recent study from a group in Germany which looked for cycles in temperature records covering the last few hundred years. In their own analysis they clearly identified the presence of two already known cycles, an approximately 200-year cycle in solar activity (known as the “Suess cycle” or “de Vries

FIGURE 4

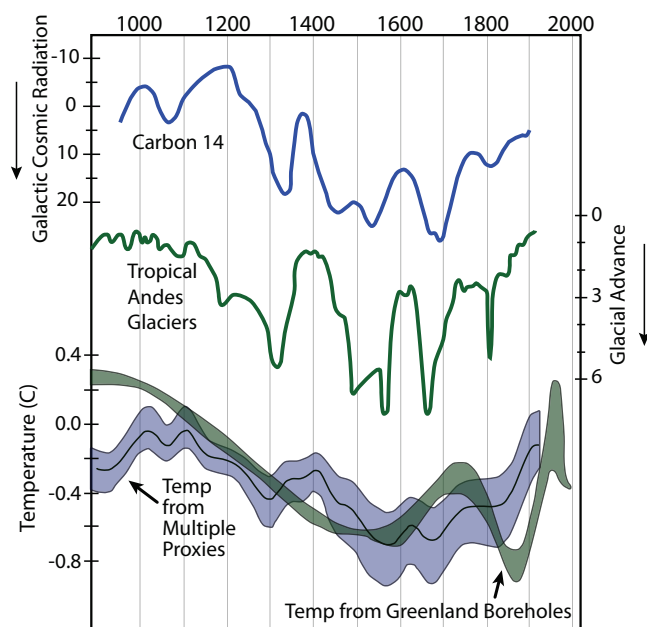


Image adapted from “Cosmic Rays and Climate,” by Jasper Kirkby, *Surveys in Geophysics* 28, 333–375.

cycle”) and an approximately 65-year cycle in Atlantic Ocean temperatures (known as the “Atlantic Multidecadal Oscillation”). When they examined the interaction of these two natural cycles, they found that these two cycles alone accounted for most of the climate change over the past centuries, including the recent warming trends—again, indicating that there is little evidence CO₂ has an effect worth worrying about.² (Figure 3).

With this in mind, let’s look a bit further back in time. If we examine records of climate over the past few thousand years we again see that climate changes match records of variations in galactic cosmic ray flux (and not changes in CO₂). Multiple records of climate over the past thousand years indicate lower temperatures from the 1500s to the 1800s, corresponding to a period of lower solar activity and increased galactic cosmic rays. Additionally, during this time we see periods of increased glaciation in the Andes Mountains, matching periodic increases in galactic

2 “Multi-periodic climate dynamics: spectral analysis of long-term instrumental and proxy temperature records,” H.-J. Lüdecke, A. Hempelmann, and C. O. Weiss, *Climate of the Past*, February 22, 2013. “Paleoclimate forcing by the solar De Vries/Suess cycle,” H.-J. Lüdecke, C. O. Weiss, and A. Hempelmann, *Climate of the Past*, February 12, 2015.

FIGURE 5

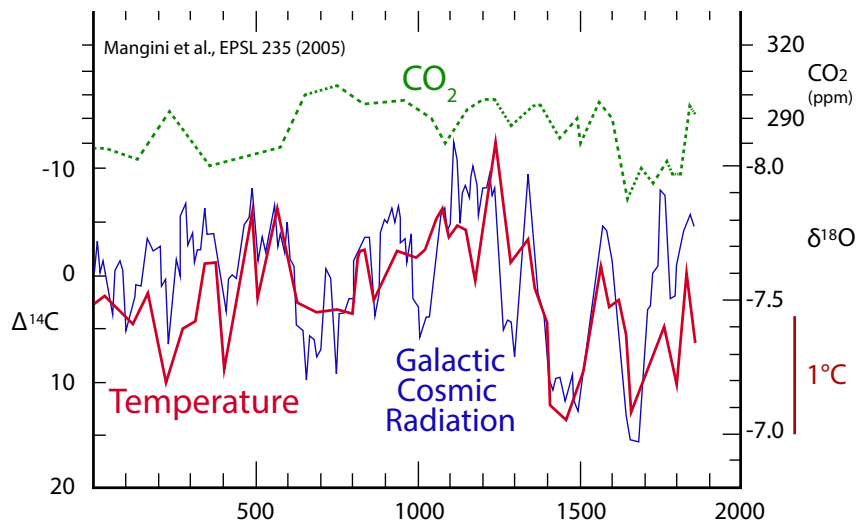
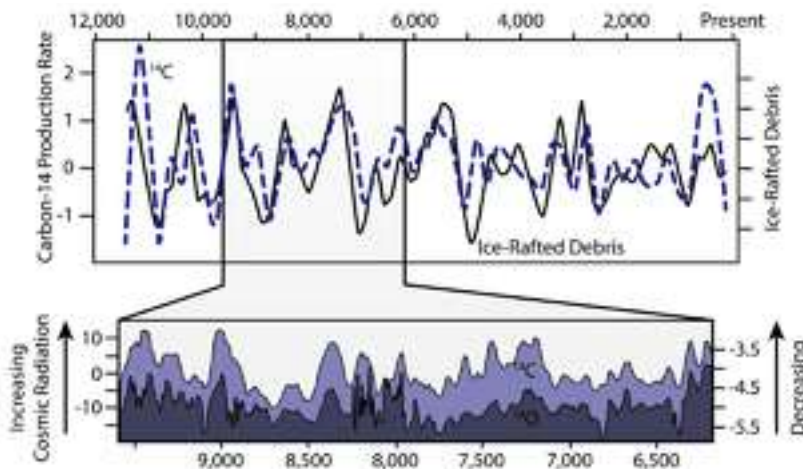


Image adapted from “Cosmic Rays and Climate,” by Jasper Kirkby, *Surveys in Geophysics* 28, 333–375.

FIGURE 6



Variations in the flux of cosmic radiation over the past 12,000 years are measured by changes in the amount of carbon-14 produced. These cosmic radiation fluctuations match variations in glaciation and ice flow in the northern Atlantic Ocean (measured by ice-rafted debris) and variations in rainfall in the Arabian Peninsula. Graphics adapted from Bond et al., “Persistent solar influence on North Atlantic climate during the Holocene,” *Science* 294, 2130–2136 (2001); and Neff et al., “Strong coincidence between solar variability and the monsoon in Oman between 9 and 6 ky ago,” *Nature* 411, 290–293 (2001).

cosmic ray flux quite well. Prior to this, from around the 900s to the 1200s the temperature was warmer (the Medieval Warm Period), galactic cosmic ray flux was less, and glaciation in the Andes was less (see Figure 4).

Looking at the past two thousand years, temperature records from the Alps follow changes in galactic cosmic rays very well – while, again, changes in CO₂ levels don’t match the temperature records, changing in the opposite directions for hundreds of years (see Figure 5).³

These records from the past one and two thousand years confirm the picture developed from examining the past 100 years, that changes in the flux of galactic cosmic radiation (regulated by solar activity) govern changes in the climate, not CO₂.

Stepping back even further in time, we see more evidence of galactic cosmic radiation being a driving factor in climate change. An examination of the galactic cosmic radiation flux over the entirety of the current interglacial period (the Holocene epoch, lasting from 12,000 years ago to the present) shows a very strong relation to records of variations in glaciation and ice flow in the Northern Atlantic Ocean.⁴ Additionally, shifting to a slightly finer resolution, records of variations in long-term trends in precipitation in the Arabian Peninsula, measured from 6,200 years ago to 9,600 years ago, show a *very strong* relationship to variations in galactic cosmic radiation flux.⁵ Figure 6

Taken together, we have evidence that critical factors in the Earth’s climate system respond to changes in galactic cosmic radiation on timescales of days, years, decades, centuries, and millennia – demonstrated in independent studies.

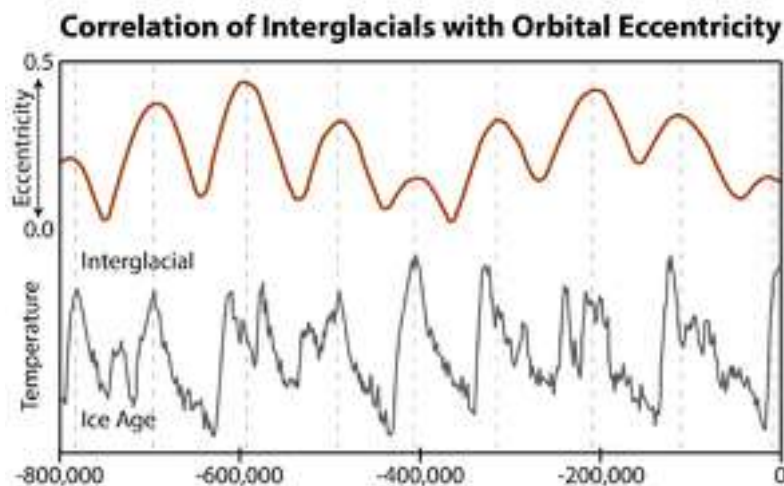
Shifting to longer timescales, the

3. “Cosmic Rays and Climate,” Jasper Kirkby, *Surveys in Geophysics*, February 28, 2008

4. Bond, et al., “Persistent solar influence on North Atlantic climate during the Holocene,” *Science* 294, 2130-2136 (2001); Kirkby, *op cit*.

5. Neff, et al., “Strong coincidence between solar variability and the monsoon in Oman between 9 and 6 ky ago,” *Nature* 411, 290-293 (2001).

FIGURE 7



Over the past one million years, changes in the eccentricity of the Earth's orbit around the Sun match the periodic climate changes from ice ages to relatively brief interglacial periods.

cycles of transition between ice ages and shorter interglacial periods are closely associated with changes in the Earth's orbit around the Sun and with changes in the tilt and orientation of the Earth's spin axis – together known as the Milankovitch Cycles. For the past one million years ice age cycles have had the strongest correlation with changes in the eccentricity of the Earth's orbit around the Sun. For the two million years prior (from three to one million years ago) the Earth's climate changes best correlated with changes in the tilt of the Earth's axis. (Figure 7)

Taking one more step to larger timescales, even larger climate changes over tens and hundreds of millions of years correspond with the motion of our Solar System through the galaxy – likely due to larger changes in galactic cosmic radiation flux. While changes in the strength of the Sun's magnetic field modulate the amount of galactic cosmic radiation on the order of ten percent, in different regions of the galaxy the Solar System (and the Earth therein) can experience much larger fluctuations in galactic cosmic radiation – bringing changes on the order of one hundred percent. In accordance with the work of Svensmark and his associates, this larger variation in cosmic radiation flux over geological timescales should drive large-scale climate variations. This is exactly what the records show.

Over the past 540 million years (the Phanerozoic Eon) the Earth's climate has shifted back and forth

four times between two general climate modes, icehouse and hothouse. During the hothouse modes there are no continental glaciers on Earth and temperatures are significantly higher. During the icehouse modes the climate is colder and glaciers develop and expand. We are currently in an icehouse mode, with the ice sheet over Antarctica starting to form around 34 million years ago, and the Arctic ice sheets forming only two million years ago.

In 2000 scientist Ján Veizer and his associates showed that the four hothouse-icehouse transitions over the past half billion years do *not* correspond with changes in CO₂ levels, and in 2003 Veizer together with Nir Shaviv showed that these climate transitions *do* correspond with the periods of the Solar System's passage through our Galaxy's spiral arms. This is consistent

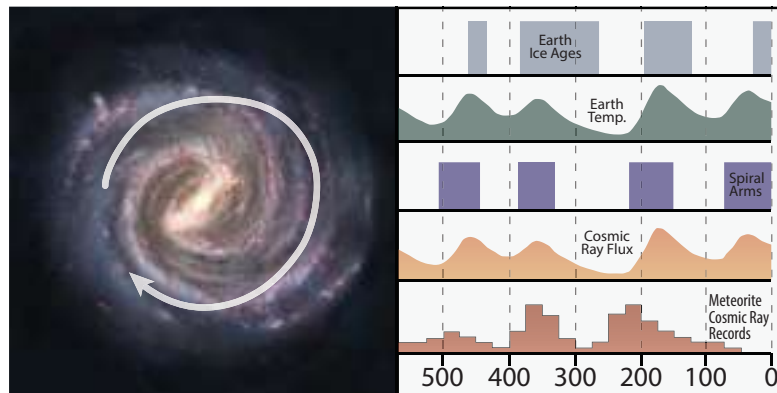
with Svensmark's work, since the Galaxy's spiral arms are expected to have significantly higher concentrations of galactic cosmic radiation, and we see that the Earth's four most recent icehouse modes correspond with the times when the Solar System is thought to have been traveling through a spiral arm. Shaviv was also able to provide additional evidence by examining iron meteorites, which showed records of having been exposed to higher galactic cosmic radiation levels at times when the Solar System is believed to have been traveling through the spiral arms (recorded when the meteorites were still orbiting though interplanetary space as part of an asteroid).⁶

Together, records of higher galactic cosmic radiation flux recorded in iron meteorites, correspond with the time when we think the Solar System has been passing through the Galaxy's spiral arms (where we'd expect more cosmic radiation), which both correspond with the recent icehouse periods on Earth – all consistent with the work of Svensmark and associates on the relation between cosmic radiation and climate through cloud formation. Shaviv and Veizer showed that this

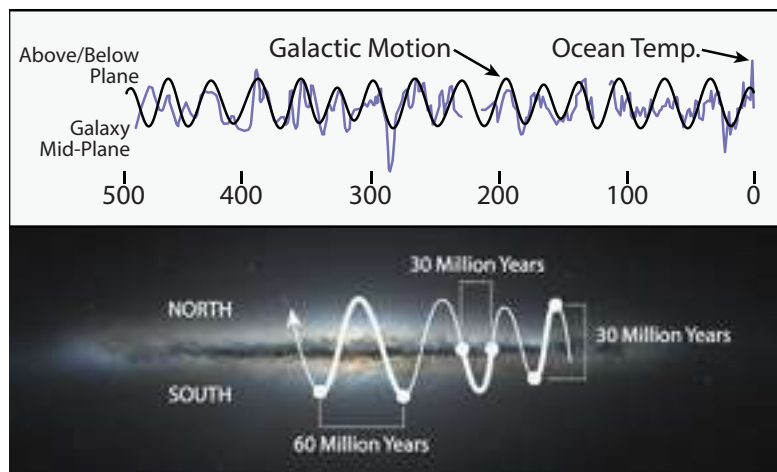
6. "Evidence for decoupling of atmospheric CO₂ and global climate during the Phanerozoic eon," Ján Veizer, Yves Godderis, Louis M. François, *Nature* 408, 698-701 (7 December 2000). "Cosmic Ray Diffusion from the Galactic Spiral Arms, Iron Meteorites, and a Possible Climatic Connection?" *Physical Review Letters*, vol. 89, Issue 5 (2002). Shaviv NJ, Veizer J (2003) Celestial driver of Phanerozoic climate? *GSA Today*, *Geol Soc Am* 4–10

FIGURE 8

SOLAR SYSTEM'S MOTION THROUGH SPIRAL ARMS



SOLAR SYSTEM'S MOTION THROUGH GALACTIC PLANE



“Is the Solar System’s Galactic Motion Imprinted in the Phanerozoic Climate?” Nir J. Shaviv, Andreas Prokoph & Jan Veizer, Nature Science Reports, August 21, 2014; and “The spiral structure of the Milky Way, cosmic rays, and ice age epochs on Earth,” by Nir J. Shaviv, New Astronomy 8 (2003) 39–77.

could account for most of the large scale temperature changes over the past half billion years (whereas CO₂ was shown to have little effect, if any).

More recently, Shaviv has also shown that records of ocean temperature exhibit a 30 million year periodicity, corresponding to the bobbing motion of our Solar System above and below the plane of our Galaxy. When the Solar System is either above or below the galactic plane the galactic cosmic radiation flux is expected to be less, and ocean records show relatively warmer temperatures (as would be expected from Svensmark’s hypothesis); when the Solar System is passing through the galactic plane, galactic cosmic radiation flux is thought to be higher, and ocean records show relatively cooler temperatures (as would be expected from Svensmark’s hypothesis). **Figure 8**

Taken together, a growing body of evidence indicates that galactic cosmic radiation plays a major role in affecting climate change (by controlling critical aspects of cloud formation). On shorter timescales of days, to decades, to centuries, to thousands of years, changes in the strength of the Sun’s magnetic field regulate the flux of galactic cosmic rays reaching the Earth; and on much longer timescales, tens to hundreds of millions of years, different galactic environments experienced by our Solar System have much larger variations in the density of galactic cosmic radiation. For time periods in between, the most important factor appears to be related to changes in the Earth’s orbit and spin axis. Climate change (across all these timescales) is driven by cosmic processes – solar, orbital, and galactic changes – not by CO₂.

'Methods' of Climate Alarmists

by Benjamin Deniston

Looking at the activity of proponents of the man-made climate change catastrophe narrative, we are left to ask about their apparent methodology – *if the experimental or observational data does not match the model, why not just change the data?*

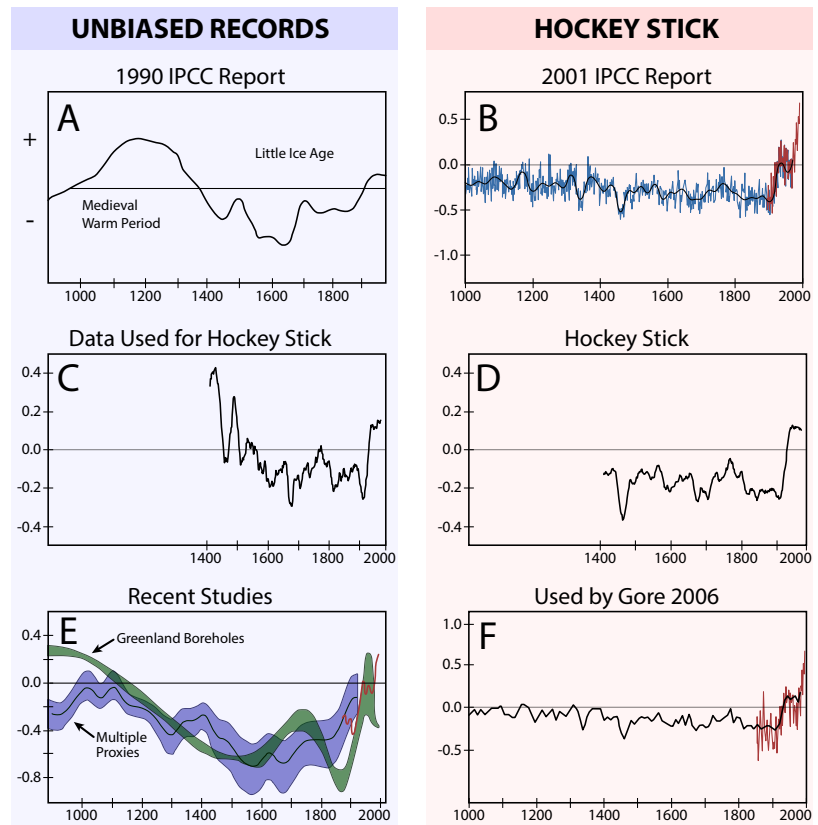
This brings to mind the statements of some of the founding fathers of the man-made climate change catastrophe scare. Dr. Stephen Schneider was one of the early leading advocates of the need to stop a supposed man-made global warming catastrophe in the 1980s (after having warned of an imminent threat of man-made global cooling in the 1970s). He founded and served as the editor of the journal *Climatic Change*, authored or co-authored hundreds of papers on climate change, was a coordinating lead author in the IPCC's 2001 Third Assessment Report, and served as a consultant to many US presidential administrations. In a 1989 article in *Discover* magazine, Schneider was quoted discussing the "method" needed by climate alarmists:

On the one hand, as scientists we are ethically bound to the scientific method, in effect promising to tell the truth, the whole truth, and nothing but. ... on the other hand, we are not just scientists but human beings as well ... we need to get some broad-based support, to capture the public's imagination. That, of course, entails getting loads of media coverage. So we have to offer up scary scenarios, make simplified, dramatic statements, and make little mention of any doubts we might have... Each of us has to decide what the

right balance is between being effective and being honest.¹

FIGURE 1

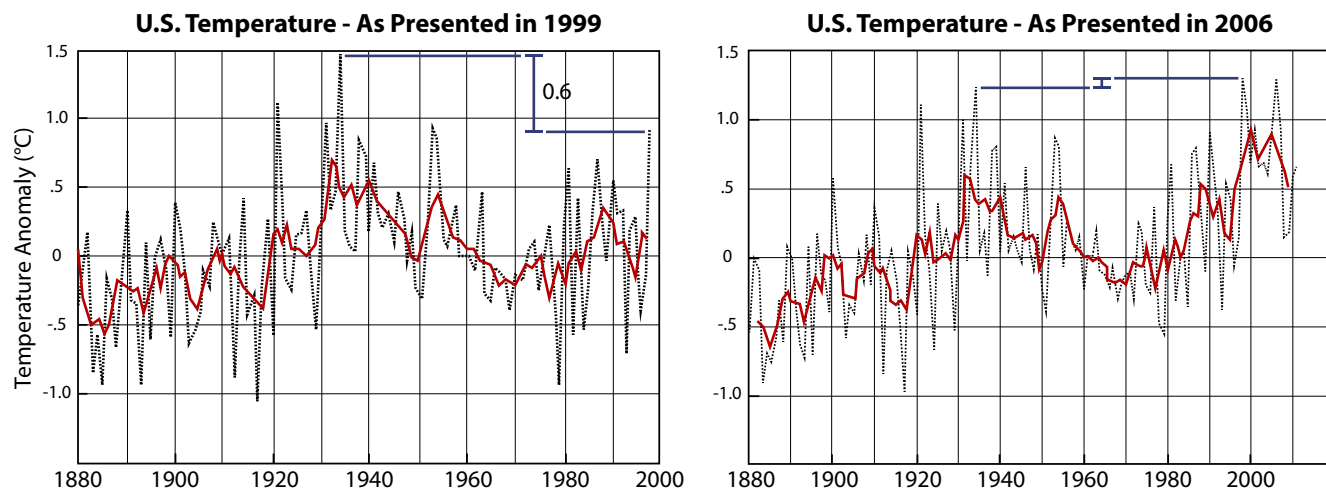
CLIMATE CHANGE OVER THE PAST 1,000 YEARS



A: featured in the 1990 IPCC report, on the first few pages of Chapter 7, "Observed Climate Variations and Change" as the schematic representation of climate change over the past 1,000 years (page 202). B: 2001 IPCC report. C and D: "Corrections to the Mass et al. (1998) Proxy Data Base and Northern Hemisphere Average Temperature Series," McIntyre and McKittrick, *Energy and Environment*, 2003. E: "Cosmic Rays and Climate," by Jasper Kirkby, *Surveys in Geophysics* 28, 333–375. F: *An Inconvenient Truth*.

1, S.H. Schneider, In J. Schell "Our Fragile Earth." *Discover* (Oct. 1989), pp. 45-48.

FIGURE 2



US historical temperature records as of 1999, “Whither U.S. Climate?” James Hansen, Reto Ruedy, Jay Glascoe and Makiko Sato, <http://www.giss.nasa.gov/> August 1999.

Dr. Schneider had been a participant in a 1975 “endangered atmosphere” conference organized by Margaret Mead, herself a leading advocate of population reduction.² At that conference (which included other soon-to-be leading climate alarmists, including the man who later became Obama’s science adviser, John Holdren) Mead used her keynote address to express her promotion of this “method”:

What we need from scientists are estimates, presented with sufficient conservatism and plausibility but at the same time as free as possible from internal disagreements that can be exploited by political interests, that will allow us to start building a system of artificial but effective warnings, warnings which will parallel the instincts of animals who flee before the hurricane, pile up a larger store of nuts before a severe winter, or of caterpillars who respond to impending climatic changes by growing thicker coats.

Recognizing this “methodology” at the roots of the entire movement claiming we’re facing imminent catastrophic effects from mankind’s CO₂ emissions, puts some recent cases of data manipulation and “adjust-

ments” to historical data records in an interesting perspective.

Case 1 – Hockey Stick and Disappearance of the Medieval Warm Period

Much of the narrative that human CO₂ emissions are taking us to a point of catastrophic climate change has been supported by claims that recent warming is “unprecedented.” *If* indeed the recent warming had no precedent in recent periods of natural changes, then it would make sense to look for what new (possibly man-made) influence might be causing this deviation from prior natural trends (e.g., recent increases in CO₂ and other emissions).

However, many records of past climate have consistently shown that there was a time about 1,000 years ago when temperatures were near current levels, if not warmer. The existence of this “medieval warm period” posed such a challenge to the notion that present warming is “unprecedented” that it was disappeared.

Despite being well recognized enough to be in the IPCC’s 1990 First Assessment Report as *the* leading schematic diagram of natural climate change over the past 1,000 years (see **Figure 1**, Box A), by the release of the IPCC’s 2001 Third Assessment Report the medieval warm period was conveniently gone. The new presentation of climate change over the past 1,000 years depicted a much flatter and more stable representation of past global temperature, with the only

2. “The Atmosphere: Endangered and Endangering,” 1975 conference in Research Triangle Park, North Carolina.

large deviation being a dramatic increase in temperature during the 20th Century (see Figure 1, Box B).

This new presentation of past climate became the go-to illustration to show how “unprecedented” recent climate change has been – proof that mankind must be the factor responsible for this otherwise anomalous deviation from the stable trend of prior centuries.

The only problem with this reassessment of our understanding of the past is that it is ridiculously untrue.

The statistical methods used to produce the new presentation of past global temperature were inherently biased towards producing a flat trend-line followed by a sharp increase – resembling a hockey stick (see Figure 1, Box D). In fact it was shown that if this statistical method was applied to a completely random data set it would produce the same hockey stick effect. When analyzing *the exact same data* with proper methods, the hockey stick character goes away, the medieval warm period returns, and the 20th Century is no longer unprecedented (see Figure 1, Box C).³

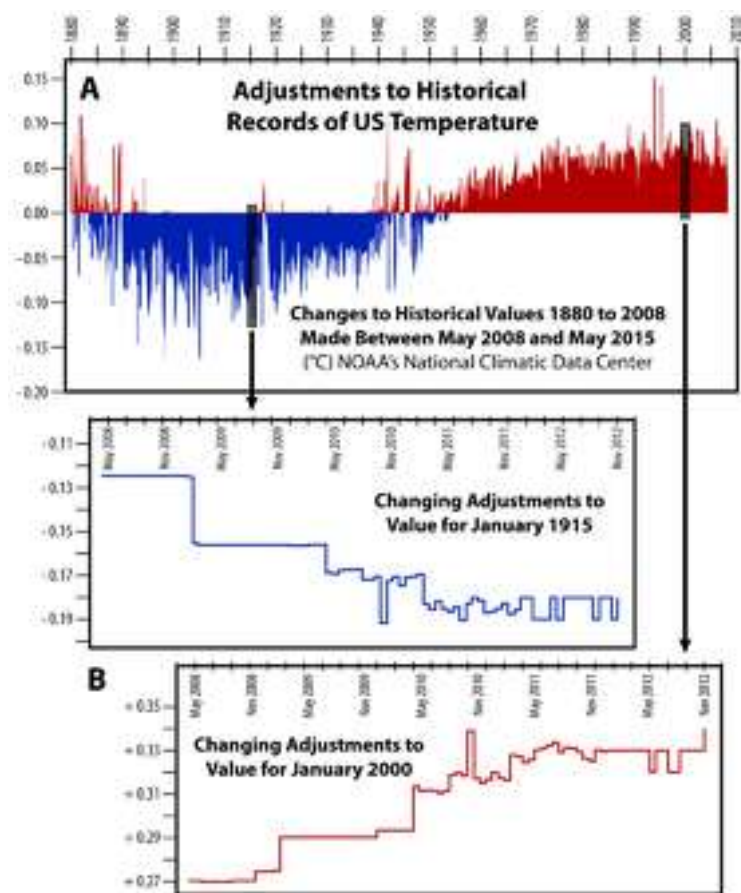
The IPCC and other alarmists have rejected hundreds of accounts of the medieval warm period in favor of adopting the story presented by a study based on ridiculously dubious methods – *because it fit their desire to “offer up scary scenarios.”*

Despite this fraud being revealed by 2003, the hockey stick (or similar depictions) continued to be used, and alarmists continued to claim that recent climate change is unprecedented. For example, Al Gore used a similar depiction in his movie, *An Inconvenient Truth* (see Figure 1, Box F) – a film that was delivered to schoolteachers across the UK to be used in their curricula.

Recent studies have continued to show the existence of the medieval warm period (see Figure 1, Box E), and while debate continues as to whether it was warmer than the present, the scare-story narrative that the climate change over the past century is unprecedented and dramatically different from historical records is ridiculous.

3. “The Atmosphere: Endangered and Endangering,” 1975 conference in Research Triangle Park, North Carolina.

FIGURE 3



Above, net adjustments to historical records of global temperature between 2008 and 2012, as produced by the US National Climatic Data Center (NCDC). Middle and below, visualization of step by step adjustments for two specific months, January 1915 and January 2000. Image adapted from an original by professor Ole Humlum.

Case 2 – Adjustments of Historical Records and the Elimination of the Pause

It is a formidable challenge to derive a single measure for average global temperature – and not just for past periods (going back thousands or millions of years), but also for recent periods, where we have direct measurements from instruments. Many different measurements – taken in different locations, at different times, and with different instruments – have to be weighted, combined, and averaged in order to provide a single value.

Considering the difficulty of such an undertaking, it is no surprise that prior assessments might be changed and adjusted over time (as methods of analysis improve or more measurements become available). However, for those supporting the claim of a coming man-made

climate change catastrophe, the adjustments are consistently biased towards supporting their claims. Let's look at a few examples.

When was the hottest period of the past century? The answer to that question would depend upon what region you are talking about, *but it would also depend upon when you asked that question*. For example, in 1999 Dr. James Hansen (then head of the NASA Goddard Institute for Space Studies, which focuses heavily on climate change) authored an article on climate change which utilized a graphic of the official US government assessment of average temperature change in the United States over the past 120 years.⁴ By the 1999 figures it was recognized that 1998 was a hot year, but 1921, 1931, 1934, and 1953 were all recorded as hotter years for the United States, with 1934 being over a half a degree (Celsius) hotter (**Figure 2**, Box A).

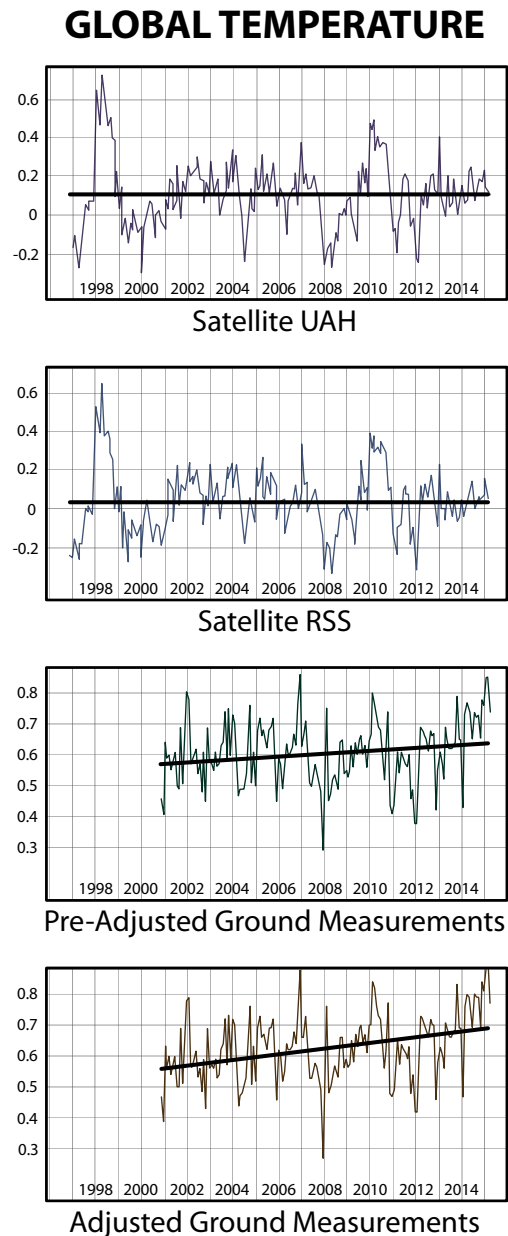
However, if we examine the records provided by NOAA and NASA today the assessment of temperatures in the past have been adjusted to lower values, with 1921, 1931, 1934, and 1953 all becoming cooler than 1998.

Such convenient adjustments are not limited to the historical records of temperature in the United States. Professor Ole Humlum has analyzed the many adjustments made by the US government's official records of global air surface temperature (produced by NOAA's National Climatic Data Center). Through a series of adjustments between May 2008 and February 2012, the official historical records of global temperature in the first half of the 20th Century have been systematically adjusted cooler, and more recent temperatures systematically adjusted hotter – *accelerating the claimed measured rate of warming solely by adjusting what instrument records were supposed to have said about the past in 2008, versus what the same instrument records were supposed to have said about the past in 2012*.

Figure 3A depicts the cumulative adjustments to the historical global temperatures between 2008 and 2012, and **Figure 3B** analyzes just two specific months, January 1915 and January 2000, examining how the historical values of those two dates changed with each adjustment made between 2008 and 2012.

Most recently, NOAA has released a new revised data set of adjusted global temperatures, leading to new claims of increased warming. Again, this cannot be taken to mean that the latest data from recent months

FIGURE 4



The RSS (Remote Sensing Systems) and UAH (University of Alabama in Huntsville) analysis of satellite measurements show that there has been no trend of global temperature increase since the late 1990s. Graphics reproduced from originals by Bob Tisdale. Results from adjusted ground measurements from "Possible artifacts of data biases in the recent global surface warming hiatus," Karl et al, Science, June 2015

shows more warming, this is adjusting the assessments from *prior years*, and changing what they claim the past was.

4. "Whither U.S. Climate?" James Hansen, Reto Ruedy, Jay Glascoe and Makiko Sato, <http://www.giss.nasa.gov/> August 1999.

Whereas two assessments of global average temperature based on satellite measurements have shown that global temperatures have not increased for nearly two decades, a 2015 paper utilizing *adjusted* values from NOAA (based on the combination of various land and ocean surface measurements) claims to show that temperatures have been increasing over the past two decades.⁵ A section from the abstract reads, “The central estimate for the rate of warming during the first 15 years of the 21st Century is at least as great as the last half of the 20th Century.” This flatly contradicts the results provided by two assessments based on satellite measurements,

5. “Possible artifacts of data biases in the recent global surface warming hiatus,” Karl et al, *Science*, June 2015.

but conveniently fits the narrative of the alarmists.

In one sense, man-made warming is unarguably real: it is created not by CO₂, but rather by “adjusting” the temperature records.

Taken together, these manipulations of past climate records – and the way these manipulations have been used to scare the public – shouldn’t be much of a surprise. In the 1970s and 1980s Margaret Mead and Stephen Schneider already told us how the climate alarmists were going to operate, and these more recent data manipulations are just a few examples of their “methods.”

III. REJECT ‘DECARBONIZATION’ FRAUD

Increasing Energy Flux-Density: The Only Competent Energy Policy

by Benjamin Deniston

Some of the earliest archaeological distinctions between mankind and the apes come with the first appearance of ancient fire pits, used to control the power of fire for the betterment of the conditions of life for those wielding that new power.

From that time onward, mankind could no longer be characterized biologically or by biological evolution—the evolution of the creative mental powers unique to the human mind became the determining factor. Biology took a backseat to the increased power of thought wielded by the human species.

Moving to historical times, this secret—and science—of economic growth, can be measured by the control over successively higher forms of fire. This started with transitions to more energy-dense forms of chemical fire, from simple wood burning, to charcoal, then to coal and coke, and onto petroleum and natural gas – one kilogram of coal having 50% more energy than one kilogram of wood, and one kilogram of diesel fuel having 70% more energy than the single kilogram

of coal. Each of these new fuels depended upon new chemical reactions, which not only provided the potential for a more energy dense form of fire, but opened up new domains of control and utilization of matter. Metallurgy, materials development, and physical chemistry all developed in dynamic interaction with the development of new forms of fire.

More recently the revolutionary discoveries around the turn of the 20th Century showed mankind an immense potential entirely beyond chemical reactions: Einstein’s fundamental equivalence of matter and energy, as expressed in the domains of fission, fusion, and matter-antimatter reactions. Each in this series of relativistic, mass-energy reactions is characterized by successively higher energy densities—and the entire set is orders of magnitude beyond chemical reactions.¹ While this distinction is usefully expressed in the immense difference in the quantity of energy released in nuclear versus chemical reactions – with nuclear reactions having hundreds of thousands to millions of times more energy per mass than chemical reactions – the measured quantitative difference is the effect of a qualitatively distinct, higher domain of action.

Control over higher energy densities enables the increase in what Lyndon LaRouche has defined as the energy flux density of the economy, as can be measured by the rate of energy use per person or per unit area of the economy as a whole. This increasing power is as-

TABLE I

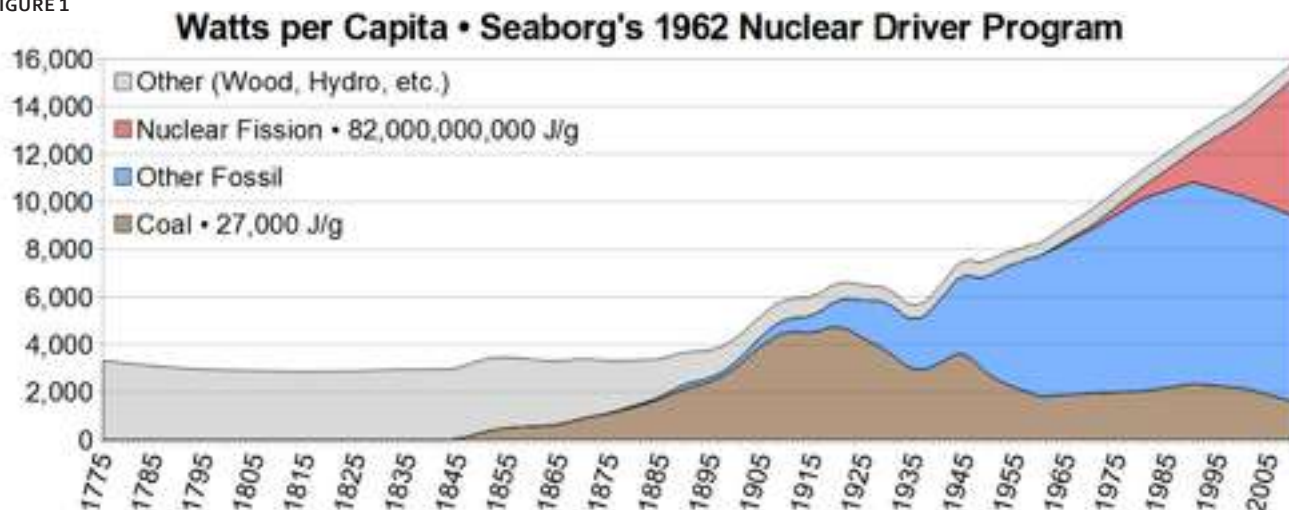
The Energy Density of Fuels

FUEL SOURCE	ENERGY DENSITY (J/g)
Combustion Of Wood	1.8×10^4
Combustion Of Coal (Bituminous)	2.7×10^4
Combustion Of Petroleum (Diesel)	4.6×10^4
Combustion Of H ₂ /O ₂	1.3×10^4 (full mass considered)
Combustion Of H ₂ /O ₂	1.2×10^5 (only H ₂ mass considered)
Typical Nuclear Fuel	3.7×10^9
Direct Fission Energy Of U-235	8.2×10^{10}
Deuterium-Tritium Fusion	3.2×10^{11}
Annihilation Of Antimatter	9.0×10^{13}

Fuel energy densities. The change from wood to matter-antimatter reactions is so great that progress must be counted in orders of magnitude, and the greatest single leap is seen in the transition from chemical to nuclear processes.

1. This is why individual nuclear explosives, even small ones, are measured in terms of thousands of tons, or even millions of tons of TNT. The largest thermonuclear weapon ever detonated, the Soviet Union’s 1961 Tsar Bomba, was a 50-megaton explosion, meaning it would take the explosion of 50 million tons of TNT to release that much energy from chemical reactions. The Tsar Bomba was a single bomb, dropped from a single airplane (over an unpopulated region of the far north), while 50 million tons of TNT would fill 100 oil supertankers.

FIGURE 1



Historical values of watts per capita in the United States, 1775 to 1962, and Glenn Seaborg's Atomic Energy Commission 1962 nuclear power report to President Kennedy projections for 1963 to 2010. Sources, "Civilian Nuclear Power: A Report to the President – 1962," United States Energy Information Administration <http://www.eia.gov/>

sociated with qualitative changes throughout the entire society—fundamentally new technologies, new resource bases, new levels of living standards, and fundamentally new economies.

On the contrary, so-called green energy sources represent a step *backwards*. Much lower levels of energy provided per physical economic cost, and notoriously unreliable and sporadic generation, mean that large-scale implementation of wind and solar power *lowers* the national economic energy flux-density, as is most starkly being demonstrated in Germany presently.

Both these trends – the qualitative progress associated with increasing energy flux-density, and the negative effects of a green policy – have been expressed in the history of the United States.

National Economic Energy Flux-Density: USA Case Study

Start with the simple rate of biological energy usage for the human body, which is, very roughly, 100 watts (corresponding to consuming 2,000 food calories a day). Assuming a hypothetical pre-fire civilization in which all work is performed by human muscle, the power employed to sustain this society is 100 watts per capita.

Compare this with the changing per capita power usage throughout the history of the United States.

At the time of the United States' founding, the wood-based economy provided around 3,000 watts per capita. This does not mean every individual used 3,000 watts; it includes all the power supplied to agriculture,

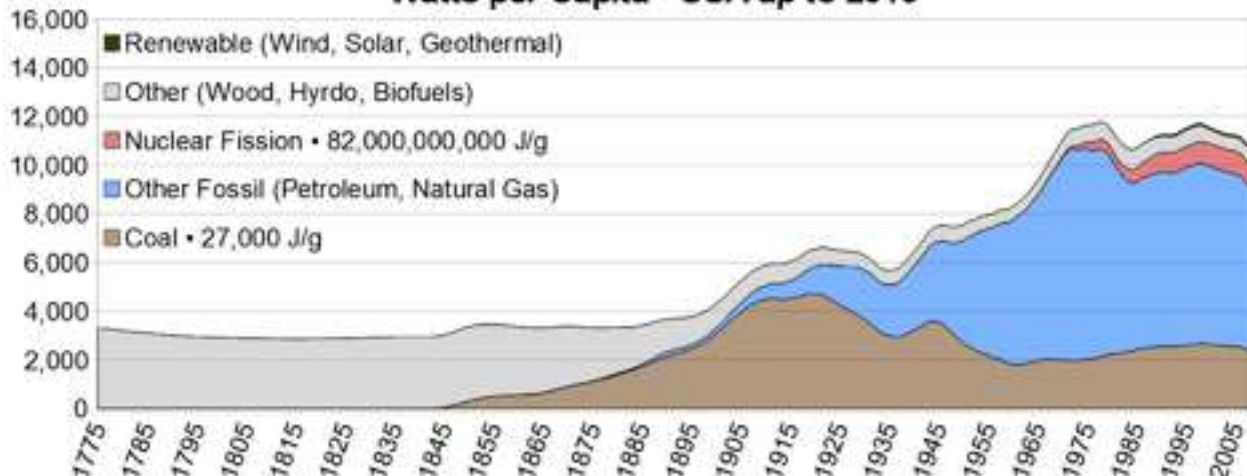
industry, and other areas *supporting the economy as a whole*, averaged to a per capita value. In this wood-based economy, the effective power that each individual wielded and represented (expressed in terms of the individual's relation to the unity of the national economic system as a whole) was thirty times higher than the simple muscle power of a hypothetical fire-less society. This was not just "more" energy, but a quality of energy that enabled people to create states of matter and chemistry which could never be created by muscle power alone (exemplified by advances in metallurgy, for example, creating the basis for new tools, machinery, and other technologies).

The increasing use of coal throughout the economy raised the power to over 5,000 watts per capita by the 1920s. Each individual then expressed nearly twice the power of the wood-based economy (again, expressed in terms of the individual's relation to the entire national economy), supporting the motion-producing, heat-powered machinery and transportation which revolutionized the industrialized economy. The development of modern chemistry enabled the beginnings of a new revolution in mankind's understanding of and control over matter.

By the early 1960s the use of petroleum and natural gas had brought power to over 8,000 watts per capita – 80 times the per capita power of our hypothetical fire-less society – and nuclear fission power was fully capable of sustaining the U.S. historical growth rate well into the 21st Century.

FIGURE 2

Watts per Capita • USA up to 2010



Watts per capita throughout the history of the United States, 1775 to 2010. The renewable category includes wind, solar, geothermal, and biofuels (but not hydroelectric power). Source, the United States Energy Information Administration <http://www.eia.gov/>

In 1962 President John F. Kennedy commissioned his Atomic Energy Commission – then under the direction of Glenn Seaborg – to “take a new and hard look at the role of nuclear power in our economy.” Seaborg’s 70-page report, released that year, outlined a transition consistent with prior transitions from lower to higher energy sources: coal use leveling off and declining by the turn of the century, with nuclear power becoming the dominant electricity source for the nation. By Seaborg’s forecast, this nuclear driver program would have brought the national economic energy flux-density to nearly 16,000 watts per capita by 2010.

By then, assuming the nation had maintained a pro-growth orientation, as fission power was becoming the dominant power source, the beginnings of applied fusion power should have begun to emerge. With isotopes of hydrogen and helium as an effectively limitless fuel source for fusion reactors, the U.S. economy would be on a path to even higher levels energy flux density – continuing this process of limitless progress. Virtually every concern over resource limitations (from food, to water, to metals, etc.) and energy limitations for all mankind, across the entire planet, can be addressed with a fusion economy—and that, for countless generations to come.

However, in the United States this natural growth process was cut off by the zero-growth policies of the green movement.

The green policy locked the economy on a path into the attritional collapse being experienced now—a col-

lapse process accelerated by policies which lower the energy flux density of the economy. Nuclear fission power was never allowed to realize its full potential; instead, there was an increasing emphasis on solar, wind, and other forms of green energy, and the energy flux-density of the economy stagnated, and began to collapse.

This brought degenerative effects. Instead of the per capita use of coal continuing to decline (in a natural transition to nuclear power), it began to increase again by the late 1970s. Under the green, zero-growth paradigm, per capita coal use in 2010 was 33% higher than it would have been under Seaborg’s nuclear driver proposal to Kennedy – with the total national energy flux-density 33% lower than it would have been under the nuclear driver program.

The 40-year gap between the expected natural growth of a progressing economy and present levels of stagnation and decline under a green policy is a measure of the current economic breakdown of the United States, and demonstrates the immediate need for a crash program to develop and implement the next stage, the fusion economy, to overcome decades of lost time and accumulated attrition by creating a new economy at a higher level than ever before.

So-called green technologies will not work (as Germany is now showing to the world). Increasing qualities of power—of “fire”—is the essential characteristic of mankind, measuring our success in satisfying the need for continual progress.

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