

# FREEDOM'S *Phoenix*





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# Freedom'sPhoenix Digital Magazine viewing tips By Nick Barnett

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**"WHERE THE GREAT MINDS OF THE MODERN FREEDOM MOVEMENT COME TOGETHER"**



# Fragments From Olympus: The Vision of Nikola Tesla

## By Richard Grove

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HAVE you ever heard of an individual who, in the face of gaining enormous wealth and power, *chose to give it all up* - to achieve a dream of liberating humanity from collectivism? I’m not referring to Bill Gates, Warren Buffett, or any of their so-called “*Super Friends*”, as I’m not speaking of superficial “philanthropy” enacted by existing billionaires in exchange for more leverage and control over others... I’m speaking of a man who truly embodied the concept of *power*, a man who would have been the world’s first billionaire were it not for his selfless efforts; a man whose sacrifice, meant to benefit all of humanity for all of history, has been maligned, robbed, rubbed out, and obfuscated from view... *until now*.

**Fragments From Olympus: The Vision of Nikola Tesla / A Pre-Production interview with award-winning screenwriter and director Joseph Sikorski**



“Joseph Sikorski has an *award-winning script*, and a potential audience of millions of individuals around the world, who are interested in learning more about Nikola Tesla. Sikorski’s script, [Fragments from Olympus: The Vision of Nikola Tesla](#), also has a cinematographer signed on who worked on *The Matrix* and *Harry Potter* projects; demonstrating that the special effects narrative can be effectively captured on film and convincingly relayed to the audience.

Being that Nikola Tesla devoted his entire life to the study of electricity to liberate humanity, I interviewed Joseph Sikorski for this month’s “Power to the People” issue on energy independence, so that he could explain directly to you, why this project is necessary, and how you might play a part in helping this historic film begin production. It is time for Tesla’s 20th century dream of decentralized electricity for all, to manifest into a 21st century reality, and deliver an empowering future.” – Richard Grove

**RG: What led to your journey in screen writing?**

*JS: I always loved the format of storytelling; where visual elements and combined media can enhance dialogue, transform it- even contradict it. Screen writing also offers a concentrated use of time. All the elements in the final work create a rich tapestry of background sounds, mood music and imagery. What might take ten pages to describe in a novel can be conveyed in five seconds on screen through the creative use of these elements. In a time-centric format, this has always appealed to me.*

**RG: What led to your journey in directing films?**

*JS: Mostly a pursuit of controlling the elements I described above and making sure the finished result achieves the original intent. A screenplay is really an unfinished work. Like a blueprint, it may be difficult for others to understand the true meaning. I could never have appreciated the beauty of Frank Lloyd Wright's Fallingwater by looking at the blue print. But seeing the realized vision is nothing short of breathtaking. In the case of "Fragments From Olympus", directing became even more important to us after seeing where some production companies wanted to go with the story of Tesla. They wanted to focus more on Tesla's eccentricities than his accomplishments, which sadly, is part of the reason he is not known today. Tesla was victimized by corporate greed, jealousy and history itself, so there's no way I'm going to allow "Fragments" to be a catalyst of his further exploitation. In this case, directing and editing the film is the only option to insure the film remains the tribute to Tesla we intended. Restoring Tesla's credibility will be key to continuing his research in the future.*

**RG: Why Tesla?**

*JS: Nikola Tesla sacrificed everything to bring us into the modern age, including tearing up a contract with Westinghouse which, by today's standards, would have made him the world's first billionaire. He did this so humanity could progress. He also tried to give free wireless energy to the world, until the plug was literally pulled by JP Morgan, who couldn't find a way to meter it. He died penniless and nearly forgotten. To this day, others still receive the credit for his work. Correcting history and vindicating his*

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has so much unfinished work that can improve the world today if there was a large enough public outcry to continue it. We believe the cinema is the best method of reaching the most people, and the quickest most efficient way to achieve this.

**RG:** How did you begin collaboration with Michael Calomino?

JS: Michael Calomino and myself are high school friends and creative collaborators. In the same way that many teenagers had garage bands, we'd write stories and film them in our basements. He also happens to be one of the most brilliant people I know, which is a big plus in a writing partner.



**RG:** Last year you and Michael were advocating the *Save Wardencllyffe Mission*, and you recently made a donation which surmounted the goal to raise funds for the *Tesla Museum in Long Island*... what inspired you and what enabled you to take such an inspiring step in this journey?

JS: For the last 12 years I'd have nightmares about the last remaining lab of Nikola Tesla disappearing from the earth as a result of either a property sale, or a vandal's fire. For the past several years, Michael, Producing Supervisor Vic Elefante, and myself worked with Jane Alcorn and The Tesla Science Center to try to raise awareness and funds so they could purchase the precious piece of history. Not only was the building designed by Stanford White, but it is the place where Tesla hoped to send free wireless energy to the entire globe.

Unfortunately, most people in the community never heard of Nikola Tesla, so they didn't see the value of the property. We tried unsuccessfully to raise the money for the TSC. Then we had an unconventional idea. If philanthropy alone wasn't enough to save the property, perhaps a profit motive could. So we actually added the price of donating the Wardencllyffe property directly to our film's budget- this way before a single frame of film even rolled, Wardencllyffe could be purchased by the non-profit TSC. In return, we would have a free shooting location and a permanent monument to perpetually

struggle were cross promote the product they invested in. To our delight, this outside-the-box method seemed to work. We received a letter of commitment for the full funds for the film from a private interest, which included the 1 million dollar Wardencllyffe donation.

However, tragedy struck when a sudden illness from one of the principles put our deal in limbo. When an interested party arose and inquired about purchasing Wardencllyffe, we started to look for a replacement to our deal. At the same time, Jane put out an appeal that fortunately for us all, was answered by Matt Inman, an internet comic strip writer known as the Oatmeal. Matt started a historic crowd-funding campaign that saved the day. We wanted to support this effort, so we used all of our film's seed money, and scraped together the rest of the funds, to make the donation. What I didn't realize was that there was a limit on my debit account as to how much funds I could disperse in a day.

After trying to run the transaction several times, I went to my bank, which ultimately raised the limit so I could go through with it. With the next attempt though, I was flagged for fraud by indiegogo for trying to run the transaction too many times. By the time I reached a phone representative, it was late in the day, but she was finally able to put the transaction through. I heard a noise on the other end of the phone. The customer service rep asked if I had "heard that". She said it was the employees at indiegogo clapping because our donation had gone through, and put them over their goal. Matthew then made his now famous tweet about it. We were so glad we were able to support this great effort in a significant way.



Tesla's Wardencllyffe Tower rises again in "Fragments From Olympus: The Vision of Nikola Tesla"

**RG:** Describe the journey from finishing the script to funding the film.

JS: After "Fragments From Olympus" was a quarter finalist in one of the largest & most prestigious screenwriting competitions in the country ("The American Screenwriting Competition") we won Best Screenplay at the Long Island International Film Festival.

Because our subject is a period piece with special effects, we were concerned that investors

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would be scared of risking too much on a big budget epic. We decided we would show them that an epic look could be achieved on an indie-budget by creating a "Teaser" for the work. For less than \$700 we created the "[Fragments From Olympus](#)" teaser that ultimately became a Semi-Finalist at the International Movie Trailer Festival, where it competed with finished million dollar productions. Our mantra was, "This is what we did with a few hundred; think what we could do with a few million."

This ultimately led to us finding a private investor, and receiving a Letter of Commitment for the funds. Because of the sudden illness and our letter falling through, this part of the journey is still being written.

### RG: Who's signed on to the project thus far?

JS: So far we have Actress Sean Young (*Blade-runner / Wall Street*), Veteran Character Actor Leo Rossi (*Analyze This, The Accused*) and Cinematographer Howard J. Smith (*Harry Potter/ Matrix* films) who are all on board. We have other exciting possibilities we are working on as well.

### RG: What obstacles stand between the present status and the future completion?

JS: The current obstacle is finding another financing partner who is a good fit for the project- someone who understands the mission beyond the film and our unconventional approach to the production process- a bit of a "maverick" perhaps. It's no surprise to many that the Hollywood system is broken. We believe this is a historic chance for certain independent films to create a new production and distribution paradigm. Obviously though, film is a risky investment, so it will take a special kind of partner or partners, perhaps some more moved by the mission than the potential profit.

### RG: How much do you need to raise to complete the film, and by when do you need to raise it?

JS: We've always had two budgets: one, the lowest amount we felt could achieve a high quality result which was in the \$4 million range- the other, closer to the "sweet spot" of successful independent films at \$10.5 million. Our original letter of commitment was for 4.5 million, but we may use our current situation as an opportunity to reach for the higher budget, which could lessen the long term risk and be more bang for the buck overall. We're working hard to not skip a beat. We'd like to be back in pre-production by the end of the year, so our production schedule can begin by March 2013.

### RG: How would you explain the dream manifesting into reality, from the end point? For the audience, what does the end result look like, and how will you know when you've been successful?

JS: Tesla once said, "My imaginings become realities." From our perspective, this seems to

be the case for us too, as we see our marketing plan and strategy come to fruition. The historic success of the recent Indiegogo campaign that saved Wardencliff confirms our beliefs- that there is a built in audience for "Fragments >From Olympus- The Vision of Nikola Tesla", an army of pent-up Tesla fans that have been waiting for vindication. We hope to channel their energy to create a viral response of support for what we're trying to do. Not only are we trying to vindicate Tesla's struggle, but trying to correct history, and continue his research, which all can begin through the vehicle of an entertaining film. Because we want to bring Tesla into the popular culture, the genre is more of a true-life mystery thriller than a stodgy biopic (which traditionally don't perform well at the box office). By telling Tesla's story through the course of the true-life FBI investigation into his "death ray" research, we can reach a much larger demographic and hopefully inspire an interest in the genius inventor in people who normally wouldn't be exposed to him in the film types they usually choose. It's also important to note that our film is meant to be an introduction to Nikola Tesla, an overview that we hope will usher in more works that delve into specific areas of his life or personality. The reaction we would like from the audience as they leave would be one of questioning their education and the information they've received through the years as being through the prism of Tesla's adversaries and enemies. We want people to ask the same question we did upon learning about Tesla's achievements, "Why haven't I ever heard of this man?" If we overhear this, we will know we were a success.

Then the next phase of the mission can begin, which is I hope, a renewed interest in his research. For this, I believe we can be a catalyst. I do sincerely believe this film can help make the world a better place. As Nikola Tesla foresaw, "See the excitement coming."

IF YOU WOULD LIKE TO LEARN MORE ABOUT HOW YOU CAN SUPPORT FRAGMENTS FROM OLYMPUS, PLEASE VISIT [HTTP://WWW.FRAGMENTSFROMOLYMPUS.COM](http://www.fragmentsfromolympus.com) OR

CONTACT [INFO@FRAGMENTSFROMOLYMPUS.COM](mailto:INFO@FRAGMENTSFROMOLYMPUS.COM)



"Fragments From Olympus: The Vision of Nikola Tesla" also tells the story of the real life FBI investigation into Tesla's "Death Ray" research based on actual FBI declassified documents.



Richard Grove is publisher of [TragedyAndHope.Com](http://TragedyAndHope.Com), and to keep it simple, here's a summary of why the site exists: We exist, and as human beings, we depend on reason to survive and thrive in life; therefore, the content on this site is necessary to an individual's ability to think rationally about the world we all share.

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# The Power of Power

## By Larken Rose

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THE battle between slavery and freedom is very much a contest of tactics, ideas, and willpower. Much like a chess game, it can be very useful to occasionally "turn the board around," to see what the battlefield looks like to your opponent. If you want to defeat tyranny, it helps a lot to understand how tyrants think, and how they act.

Imagine that you're a narcissistic control freak who wants to rule a few hundred million people, but they're spread across many millions of square miles. To even keep track of them, much less keep them under your control, you'll want to control things that all of your intended subjects rely on, and have to deal with. Five of the biggest examples are currency, communications, transportation, food and energy.

1) You'll want to control the medium of exchange your subjects use to trade. In fact, if you can control that, then your ability to rob people will be almost unlimited.

2) You'll want all of your subjects communicating through a system that you control, and can monitor, or shut down if necessary.

3) You'll want to control your subjects' means of getting from one place to another. Whether by plane, train, or roads, you and your hired thugs should be able to monitor, control, or even prevent any movement of your subjects.

4) You'll want to control, as much as possible, the sources of food for your subjects, for obvious reasons. If need be, you'll be able to starve any who resist your control.

5) You'll want control over all energy-production, especially in this technological age.

Imagine, for a moment, if you (the tyrant) lost control over these things. Your intended subjects could trade without you knowing about it, and without you being able to take a cut, via direct theft ("taxation") or currency fraud ("fractional banking"). And your intended subjects could communicate with each other, without you knowing what they are saying, what they are doing, and what they are planning. And your intended subjects could get from one place to another without you being able to track and control them. This would be very important, not just because of economics, but because of their ability to evade or resist your thugs. And if your subjects could provide their own food, and their own energy, they could live their lives independent of you, not needing you for anything, and living beyond the reach of your megalomaniacal plans.

Of these five important topics, it is easy to underestimate the importance of the issue of power and energy. To see how important it is, consider the question, what do most people do when their power goes out? They huddle in a corner and wait for it to come back on. Americans have become so spoiled, and so dependent upon electricity, that most literally have no idea what to do with themselves when they suddenly don't have it.

Just the fact that, for the vast majority of people, there has to be a wire physically connecting them to some big power station somewhere, means they can't run, they can't hide, and with a simple snip (or push of a button, to be more modern), they can be left in the dark, literally and figuratively. There's a reason that, in a lot of movies, you know the devious bad guys have arrived when the power and phones suddenly die, leaving the people inside isolated, disoriented, and often blind and helpless. As an aspiring tyrant, you and your thugs should always keep the ability to do that to anyone you want, whenever you want.

In contrast, if your intended subjects can produce their own energy, not only does it become harder to cut them off, but it becomes a lot harder to even find them. Perhaps more importantly, it becomes more difficult to control them economically. Obviously, for almost all Americans, paying for energy--electricity, oil, gasoline, etc.-is a huge, ongoing expense, and therefore is not only a way for the would-be tyrant to rob them directly (via "taxation"), but a way to take control of an entire country, just by taking control of one industry. For most people, taxing and regulating energy is like taxing and regulating air: it's a form of extortion they can't possibly avoid, unless they want to live like cavemen. Unless, that is, they find a way to create their own energy. It should be obvious that, as a tyrant, anything that allows your intended subjects to be self-reliant and independent is a bad thing. But energy in particular is a means to keep everyone stuck on the grid (literally), stuck paying tribute to a ruling class, stuck being at the mercy of he who controls the power industry.

**PRODUCE FREE  
ELECTRICITY FOR YOUR  
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If you try to control commerce, your intended victims can always learn to trade with silver. If you try to control communications, your intended victims can wire up their own system, even if it's relatively small and primitive, or can start their own ("illegal") letter-carrying service. If you try to control transportation, your intended victims can always walk, or bike. If you try to control food, your intended victims can learn to grow their own. But how many of your intended victims know anything about generating electricity for themselves? They may know how to barter, send a letter, walk, and grow a garden, but how many know how to build a self-contained hydro-electric damn, or a solar plant? How many can build a combustion engine, and for those who can, how many have the ability to make fuel for it? How many have a means of producing energy that you (the tyrant) can't tax and regulate, that you can't even find, that you don't even know about? Probably not many. If you (the tyrant) want to keep your power, try to keep it that way. 🦋

*Larken Rose is author of several books, including [The Iron Web](#) and [How to be a Successful Tyrant](#).*

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# Life After Government Power

By Tarrin Lupo

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AS an author I spend a good deal of the time drifting off and day dreaming about what is to come. Many writers have transported their readers to a future where power is unlimited and free. As reality starts approaching fiction, the picture becomes easy for me to see. There are individuals who already live completely off the power grid and make their own power. I would imagine readers back in the day would have dismissed ideas like solar power, geothermal, and perpetual energy machines as too far out to ever be true. Now all these things are real, and yet they still seem like science fiction to most of us.

So how come everyone does not have free energy yet? Unfortunately, the answer keeps coming back to the same place, government. Over the years, roadblock after hurdle after red tape have all been hurled at the consumer preventing them from accessing cheap or free power. Large energy companies use the power of government to strike down any competition. Just look around; every time some great invention comes out, the military or bureaucracy will keep it for their own private use.

Not all is grim and dark; a movement is quietly and quickly building on the net that you might not know about yet. Instead of waiting for some giant corporation to eventually mass-produce some half-ass energy product, folks are just building their own. A person can simply and cheaply build their own solar panels, generators, batteries, and even energy machines. A revolution of crowd-sourcing energy solutions is exploding all over the net. Everyone from engineers to hobbyist children are experimenting

and building their own energy devices in their basements. They ignore copyright laws, patents and regulations, and just focus on making their own personal devices. The community is not worried about mass-producing it, nor are they worried about selling some device to get rich. Instead they just want a way for themselves and their families to just make their own energy.

The establishment has no idea how to handle this kind of threat to them. Much like file sharing completely changed the way music is sold, people making their own electricity is completely changing the power companies. Having hundreds of thousands of people just going down to the local hardware store and making their own power is really angering the establishment. They do not have a large company that they can sue and shut down, nor do they have a way to stop people from building their own devices. Once cheap design plans get passed around the electronic world, folks will just start eliminating the middleman and creating their own.

This utopian view is not some sci-fi story, it is happening today. In a matter of hours you can find inexpensive ways to start making electricity. The immediate future of power will mirror the rise of file-sharing. The Internet has changed everything and the geni are forcing its way out of the bottle. Although the government and corporations will not go quietly and will snap back hard on those who get too large, ultimately, there will be too much momentum to stop it. 

*Tarrin P. Lupo is best known for being the author the historical fiction novel "[Pirates of Savannah](#)" and his children's book "[Catch that Collie](#)". Tarrin is also a full time liberty activist*

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# You Are Free, If You Want To Be

## By Meghan Kellison

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IMAGINE a world with no political parties pitting the people against each other, no oil companies suppressing new technologies, clean food and water, and no regulatory agencies to bribe for continuing pollution; where energy is clean and efficient, and no one questions your consumption of real, raw food. It seems difficult in this culture (i.e. artificial environment) we have grown accustomed to over the years. With each new law passed to suppress basic human rights, and the growing police/military surveillance state it seems 2012 is the new 1984. With the barrage of constant disturbing news from all sides, it seems there is no hope, but I have good news.

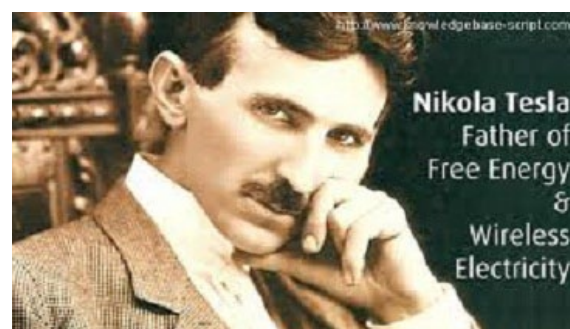
You, despite howls to the contrary by our rulers and those believed to be in bondage themselves, are free. Your soul is bound by no man, and we live in an age where the resources available to us make our quest for freedom more real every day. Your body can be free too, and by using the innovations that leap forth from the human mind; physical freedom is attainable. You are told that “you can’t do that” on a daily basis on a myriad of topics, but have you not read? Have you not read real history, or remember how far we have come, or studied the miracle of our origins? Government oppression is nothing new, but the triumph of the human will and innovation has subverted government forces as long as there have been governments.

I believe, contrary to popular opinion and public school science, that we come not from cosmic ooze, but from a lineage of highly intelligent humans and that our true origins are that of carefully organized, purposeful and meaningful direct formation by the Creator of the universe. We are not an accident. We descend from humans that were capable of building the pyramids and ziggurats, humans capable of remembering word for word the auditory stories of our beginnings, humans who have created the printing press to distribute books to the masses to set their minds free, humans who have created planes to travel to continents in days’ time,

humans capable of harnessing the power of the cosmos for electrical energy, humans capable of using the environment around them to not only live but thrive as they applied the knowledge of healing herbs and vegetables (also meticulously well organized to nourish all living things), humans with the audacity to reveal the secrets of the solar system, humans who have created something as taken for granted as air conditioning (I’m from Florida, and this qualifies as a miracle, trust me 😊) humans who know how to harness other energies from the earth and the sun for the benefit of mankind. The list could go on forever, as even the seemingly smallest of inventions have impacted our lives in ways we can perhaps never truly appreciate until we have to go without.

Along with our ability to create new technologies and imagine possibilities that were believed to never be possible is the co-dependent capability of people to come together in tough times. I have witnessed this first hand during the hurricanes I have lived through down here, and remember Hurricane Ivan as being destructive, yet unifying. After the disaster, my neighborhood pulled together and helped each other in any way they could, even the city felt more united than ever as people who were spared much destruction helped others who had suffered enormous losses without hesitation. Out of the rubble came a spirit of cooperation whose beauty prevailed over the tragedy. This ability to overcome has been repeated throughout all history.

Inventors are still out there toiling away at projects designed to help humanity live better, and cooperation has oftentimes produced results that one man alone could not have done. Now, more than ever in history, do we have nearly unlimited access to knowledge, and if people were



able to come up with the inventions in the past based on limited access to resources, how much more can we innovate now? I am inspired by the inventions of people like Nikola Tesla, and though he was sabotaged in his time, we

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## Continued from Page 9 - You Are Free, If You Want To Be

have the access to understand and replicate his creations to manufacture a world of free energy. Many will say, and they are not necessarily wrong, that any significant inventions that produce cheap or free energy or independence from oil will be suppressed by the powers that be. They can point to Tesla or Stan Meyers or the makers of the electric car as examples of this, and they are correct when they assert that centralized power and special interests have worked together to crush creative minds in recent history, but I have more good news.

### *The collapse is inevitable.*

What?! How is that good news? There is a massive shift on the horizon and many people will be in peril as they are caught off guard, but sometimes things have to burn and collapse so that good can come out of a dire situation. There has to be a breakdown so that the inefficiency of central power can be exposed and fall away. Again, history proves the inevitability of the American collapse with examples like Rome and Babylon. But, this is not news to the savvy. People have been preparing for some time, and there are already self-sufficient communities in our midst. Once the power structure trying to quash them falls in on itself, I believe human creativity and the ability to work together will overcome.

We have the tools, knowledge, understanding, and willpower to be entirely self-sufficient. As I have said, some people already are, and more and more people are joining them every day. By believing something is impossible or too hard, you limit your potential. Our “handlers” want us to believe creating new technologies for getting off the grid are impossible, and by teaching that we come from chaos rather than order, they can cause us to hinder our own minds. It is not as difficult as they would have us believe. By taking small steps in the right direction instead of trying to solve the world’s problems all at once, we avoid becoming overwhelmed and can focus our attention on enhancing our unique, individual skills. Not everyone is cut out to be a farmer, or create their own energy machines, but experimentation in various areas can help clarify what you are good at. You will never find your talent if you never try, but failure should not be discouraging but a learning experience.

Start by reading and studying alternative methods for living, and then use what you have read and apply it. If you have any land at all, try your hand at gardening for instance; you can start small and expand quickly and the start-up is affordable and not as time consuming as you may think. Read up on the healing ability of herbs and try making your own medicines. You may be science minded, study Tesla and others who have pioneered new forms of energy technology and try to replicate their results. Solar energy, wind energy, geothermal, hydroelectric... all these can be utilized to create a world after the collapse that will be truly free from control. Believe that you possess in your own mind the power to create something entirely new, for history shows us this is not only possible but the way in which we become more free.

Becoming self-empowered begins with eliminating the idea that you can’t do something



because you have been told lies your entire life or that your abilities are insufficient to affect change. I have been there. Many readers and writers in this e-Zine have been there, but do not despair. You come not from chaos, but from order. Our ability to organically organize ourselves without coercion is endemic to our nature. The world can be a better one after the collapse, and it is up to us to make it one by tapping our natural abilities and co-operating voluntarily to combine our individual skills. Alas, if you ever do become in physical bondage, know that the nefarious “theys” keeping you there are not the keepers of your mind, heart, soul, or spirit. 🌿

*Meghan has been writing poetry, prose, short stories, and essays for several years, has been published in small independent publications (mostly poetry), and currently runs the blog at Roberts & Roberts Brokerage (<http://rrbi.co/category/blog/>). Her focus is on social issues, politics, fitness, and natural health topics. The best way to contact Meghan is on Facebook: <https://www.facebook.com/profile.php?id=100001243544080>*

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# 3D Printing

## By Christopher Barnatt

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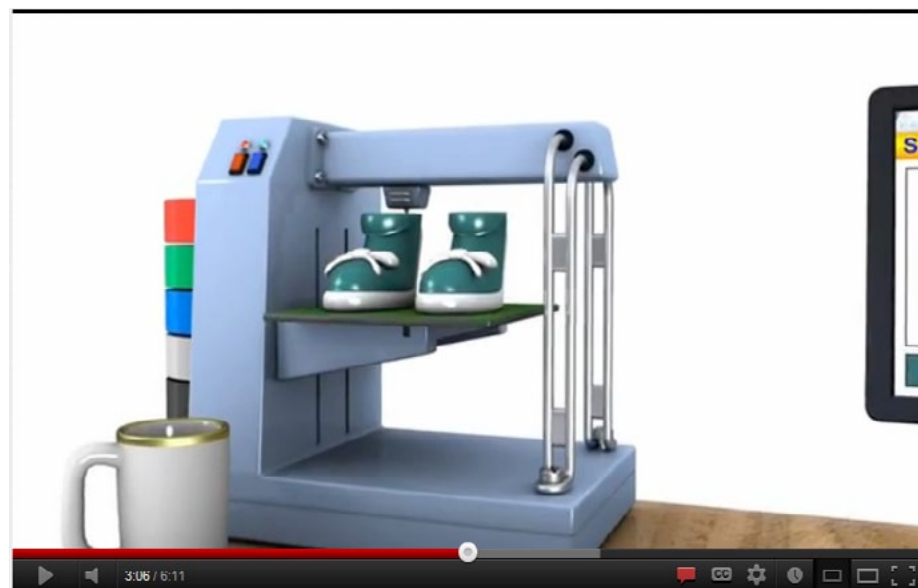


IMAGINE a future in which a device connected to a computer can print a solid object. A future in which we can have tangible goods as well as intangible services delivered to our desktops or highstreet shops over the Internet.

And a future in which the everyday "atomization" of virtual objects into hard reality has turned the mass pre-production and stock-holding of a wide range of goods and spare parts into no more than an historical legacy.

Such a future may sound like it is being plucked from the worlds of [Star Trek](#). However, while transporter devices that can instantaneously deliver us to remote locations may remain a fantasy, 3D printers capable of outputting physical objects have been in development for over two decades and are starting to present a whole host of new digital manufacturing capabilities. 3D printing may therefore soon do for manufacturing what computers and the Internet have already done for the creation, processing and storage of information. Such a possibility is also starting to receive attention in the mainstream media. *The Economist*, for example, recently published this great article on [The Printed World](#).

The following provides an overview of 3D printing technologies and their present and likely future application. For a full list of 3D printer manufacturers, as well as initiatives and organizations pioneering their application, please see my [3D Printing Directory](#). Or for a six minute overview, just watch my video below.



### Current Technologies

3D printing is an additive technology in which objects are built up in layers in a process that often takes several hours. The first commercial 3D printer was based on a technique called **stereolithography**. This was invented by Charles Hull in 1984. Stereolithographic 3D printers (known as SLAs or stereolithography apparatus) position a perforated platform just below the surface of a vat of liquid photocurable polymer. A UV laser beam then traces the first slice of an object on the surface of this liquid, causing a very thin layer of photopolymer to harden. The perforated platform is then lowered very slightly and another slice is traced out and hardened by the laser. Another slice is then created, and then another, until a complete object has been printed and can be removed from the vat of photopolymer, drained of excess liquid, and cured. Stereolithographic printers remain one of the most accurate types of hardware for fabricating 3D output, with a minimum build layer thickness of only 0.06mm (0.0025 of an inch).

Another common commercial 3D printing technology is **fused deposition modelling** (FDM). Here a semi-liquid material -- and most usually

a hot thermoplastic -- is extruded from a temperature-controlled print head to produce fairly robust objects to a high degree of accuracy. A key benefit of this technique is that objects can be made of out of exactly the same thermoplastics used in traditional injection moulding. Most FMD 3D printers can print with both ABS (acrylonitrile butadiene styrene), as well as a biodegradable bioplastic called PLA (polylactic acid) that is produced from organic alternatives to oil. Within a decade developments in [synthetic biology](#) are likely to make the direct production of PLA from a range of biomass materials quite common, hence allowing 3D printing supplies to be grown in many a back yard.

In addition to being used to output plastic objects, FDM printers have also been developed that can output other semi-liquid materials. The applications are already quite diverse, and range from food printers that can print in [cake icing](#), [cheese](#) or [chocolate](#), to [concrete printers](#) that may in future allow entire buildings (or large parts thereof) to be 3D printed.

As an alternative to FDM, a company called [Objet](#) has developed a process called **Polyjet Matrix**. This jets two liquid photocurable polymers from a 96 nozzle print head. Each object layer is cured by a UV light immediately it has been printed. One of the key benefits of this process is that it allows printing to take place in multiple materials simply by varying the combination of the photocurable polymers jetted from the print head. You can learn more about this very impressive technology in [this video](#).

A fourth and very well established 3D printing technology is **selective laser sintering** (SLS). This builds objects by laying down a fine layer of powder and then using a laser to selectively fuse some of its granules together. At present, SLS 3D printers can output objects using a wide range of powdered materials. These include wax, polystyrene, nylon, glass, ceramics, stainless steel, titanium, aluminium and various alloys including cobalt chrome. During printing, non-bonded powder granules support the object as it is constructed. Once printing is complete, almost all excess power is able to be recycled.

When SLS is used to directly produce metal objects the process is also called **direct metal laser sintering** (DMLS). Metal objects created by a DMLS 3D printer are about 99.99 per cent dense, and hence can be used in place of traditional metal parts in the vast majority of applications. (There are some good pages on DMLS [here](#)).

While DMLS 3D prints metal objects directly, it is also common to use laser sintering to produce wax objects that are then sacrificed in a traditional lost-wax casting process. Here, once the wax object has been 3D printed a plaster mould is poured around it. When heated, the wax then melts and is poured away, after which a liquid metal can be poured in. Once this cools the plaster is removed, leaving a metal object that -- in some senses -- began its life on a 3D printer.

A closely related 3D printing technique to SLS is known as **selective laser melting** (SLM). This uses a laser to fully melt the powder granules that form a final object, rather than just heating them enough to fuse them together. As

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## Continued from Page 11 - 3D Printing

yet another variant, a technique called **selective heat sintering** (SHS) uses a thermal print head -- rather than a laser -- to apply heat to successive layers of a thermoplastic powder, and as explained in depth [here](#).

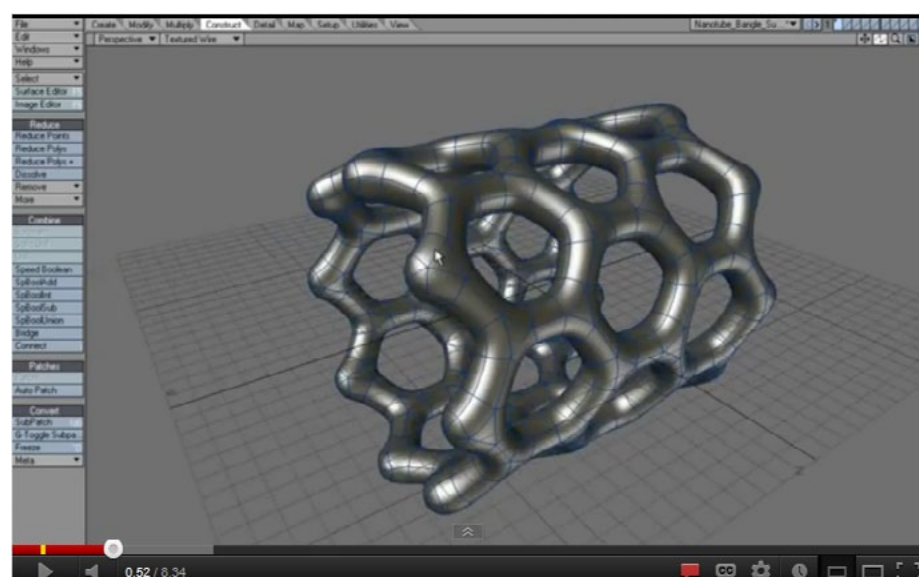
A final 3D printing technology in very common application is **multi-jet modelling** (MJM) -- although this process goes under a wide number of names. This again builds up objects from successive layers of powder, with an inkjet print head used to spray on a binder solution that selectively glues only the required granules together. Some MJM printers -- such as the [ZPrinter 650](#) from [ZCorp](#) -- can spray on four different colours of binder solution, so permitting them to create full-colour 3D objects at up to 600x540dpi. You can watch a great promotional video for the ZCorp 650 [here](#).

### Commercial 3D Printers and Online Services

A wide range of commercial 3D printers for industrial application are now available from companies including [3D Systems](#) (which works with most technologies and is rapidly acquiring many smaller manufacturers), [Stratasys](#) (which initially developed FDM), [Fortus](#) and [Dimension Printing](#) (which use the Stratasys FDM process), [Solid Scape](#) (which uses its own FDM process but is now owned by Stratasys), [Objet](#) (which developed the [Polyjet Matrix](#) process) and [ZCorp](#) (which specializes in MJM as noted above, and is now also owned by [3D Systems](#)). Another major player is [envisionTEC](#) whose [Perfactory](#) 3D printers projecting voxel datasets into a photopolymer. (A video that shows how this voxelization process differs to more "traditional" layered technologies can be found [here](#)).

All of the above producers of 3D printers have built their growing businesses from scratch in the rapidly expanding 3D printing marketplace. However, traditional 2D printer manufacturers are now also starting to dip their toes into 3D waters. For example, Hewlet Packard (HP) now sells its FDM-based [HP Designjet 3D printer series](#) having done a [deal with Stratasys](#).

Prices for most commercial/industrial 3D printers tend to start in the ten-to-twenty thousand dollar bracket and spiral upwards. Although some desktop models are on the market, most commercial 3D printers are usually fairly bulky and often floor-standing. It is, however, already possible for lone designers and private individuals to obtain high quality 3D printouts from commercial 3D printing hardware by using an online bureau. For example, [Sculpteo](#), [Shapeways](#), [3D ProParts](#) and [iMaterialize](#) allow anybody to have their designs 3D printed and marketed online. The first two of these firms even offer a facility to upload two photographs of yourself from which a full-colour figurine will be created! Online 3D printing services can also be obtained from these suppliers. The following video shows how I used the iMaterialize online service to 3D print a metal object:



### Personal 3D Printing

For home enthusiasts and lone inventors who want to start 3D printing themselves, a growing range of personal 3D printing initiatives, kits and printers are also now available. For those seriously into real DIY, there are two open source 3D printing initiatives. Called [RepRap](#) -- which stands for the Replicating Rapid-prototyper -- and [Fab@Home](#). These initiatives are both based around online communities that use the web to share all designs and other information required to build a printer.

For those not keen or able to scratch build, several companies now sell 3D printer kits, often based on the above RepRap designs. For example, [BitsfromBytes.com](#) sells its RapMan 3.1 3D printer kit from £795, and its pre-assembled BFB-3000 3D printer starting at under £2,000. [RepRap Central](#) is also a great supplier of 3D printer kits costing from £599 upwards. In addition to several RepRap models, these include the [MakerBot Thing-O-Matic](#).

For those who do not want to build their own 3D printer, pre-assembled personal hardware is now also available. These include the [BotMill Glider 3.0](#) (which is also available as a kit), and the excellent [UP! Personal Portable 3D Printer](#). The latter is a truly plug-and-play FDM 3D printer that can be up-and-running 15 minutes after being unpacked, and does not require any calibration by its user. There is a fantastic video about the Up! 3D printer here. Most recently, the [Cube Personal 3D Printer](#) has been launched as part of [Cubify](#). This sells for \$1,299 and can print about 10 models from each \$49.99 plug in cartridge of ABS plastic (10 colours are available!).

### Current 3D Printing Applications

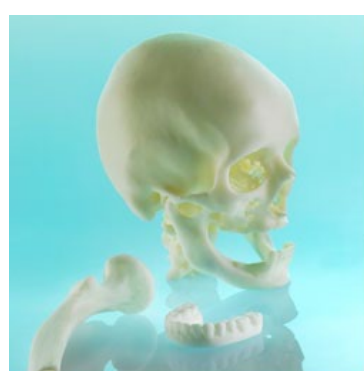
Most current 3D printers are not used to create final consumer products. Rather, they are generally employed for rapid product prototyping, or to produce moulds or mould masters that will in turn allow the production of final items. Such printing of 3D objects already enables engineers to check the fit of different parts long before they commit to costly production, architects to show detailed and relatively low-cost scale models to their clients, and medical professionals or archaeologists to handle full-size, 3D copies of bones printed from 3D scan data. There are also a wide range of educational uses.

The range of products that have employed 3D printers in their design process or to produce final moulds or mould masters is constantly growing. To date such products include automobiles, trainers, jewellery, plastic toys, coffee makers, and all sorts of plastic bottles, packaging and containers. You can even now purchase a 3D printed [Sad Keanu Reeves](#). More usefully, some dental labs have for some years been using 3D printers to help create appliances, with [envisionTEC](#) selling its [Perfactory Digital Dental Printer](#) for use in the creation of crowns, bridges and temporaries by dental technicians. Using this technology, even long-term temporaries can now be created, meaning that 3D printers can quite literally already print you new teeth! [envisionTEC](#) 3D printers are now also widely used by many major hearing aid manufacturers to produce ear moulds and shells for final consumer use.

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## Continued from Page 12 - 3D Printing



Medical models and some DDM final end-use components output from a Fortus 3D Printer.  
Images courtesy of Fortus.com

### Direct Digital Manufacturing

Whilst most 3D printers are currently used for prototyping and in pre-production mould making processes, the use of 3D printing to manufacture end-use parts is also now occurring. This is becoming known as **direct digital manufacturing** (DDM). As [Fortus](#) explain, for low-volume manufacturing DDM is more cost-effective and simpler than having to pay and wait for machining or tooling, with on-the-fly design changes and just-in-time inventory being possible. For example their customer [Klock Werks Kustom Cycles](#) has built one-of-a-kind motorcycles using a [Fortus](#) 3D printer to directly digitally manufacture some of the required custom parts.

Another company using 3D printing to create final products is [Freedom of Creation](#) (and which was recently acquired by 3D Systems). [Their range](#) of incredible, designer 3D printed products includes lighting, furniture, trays, bags and jewellery. In a similar vein, a company called [Make Eyewear](#) is now manufacturing customizable and designer sunglasses using 3D printers.

Many believe that 3D printers have a great future in the creation of fashion items including jewellery and shoes. For example, [Forebes](#) recently reported on a [Shoes from a 3D Printer that Smell Like Bubblegum](#), with injection moulding set to give way to 3D printing to allow manufacture-on-demand and higher levels of customization. You can see even more 3D printed shoes [here](#).

It is also already not just a few specialist plastic items that are being made using a 3D printer. For example, engineers at the University of Southampton recently [3D printed a flyable aircraft](#) (well, aside from its electric motor). Rolls Royce is also currently running a project called [MERLIN](#) with the goal of using 3D printing in the manufacture of civil aircraft engines. A driveable prototype of a new electric car called the Urbee has also [been 3D printed](#). Mainstream automobile makes are also already in on the DDM act, with Audi now [3D printing parts of its cars](#) using Objet Polyjet 3D printers.

Some artists are now also using DDM to create their masterpieces. For example, sculptor [Bathsheba Grossman](#) already uses 3D printers to create her works. In the future, museums could also print out exhibits as required from their own digital collection -- something that the [Smithsonian is already working on](#) -- or indeed from a global archive of artworks scanned from long-lost or too-delicate-to-display originals. You can find out more about 3D artworks, including a great video, on the [Singularity Hub](#).

### Future 3D Printing Applications

Whether or not they arrive en-mass in the home, 3D printers have many promising areas of potential future application. They may, for example, be used to output spare parts for all manner of products, and which could not possibly be stocked as part of the inventory of even the best physical store. Hence, rather than throwing

away a broken item (something unlikely to be justified a decade or two hence due to [resource depletion](#) and enforced recycling), faulty goods will be able to be taken to a local facility that will call up the appropriate spare parts online and simply print them out. NASA has already tested a 3D printer on the International Space Station, and recently announced its requirement for a high resolution 3D printer to produce spacecraft parts during deep space missions. The US Army has also experimented with a truck-mounted 3D printer capable of outputting spare tank and other vehicle components in the battlefield.


As noted above, 3D printers may also be used to make future buildings. To this end, a team at Loughborough University is working on a [3D concrete printing](#) project that could allow large building components to be 3D printed on-site to any design, and with improved thermal properties.

Another possible future application is in the use of 3D printers to create replacement organs for the human body. This is known as [bioprinting](#), and is an area of rapid development. You can learn more on the [bioprinting](#) page, or see more in my [bioprinting video](#) or the [Future Visions](#) gallery.

### A Solid Tomorrow

In an age in which the news, books, music, video and even our communities are all the subjects of digital dematerialization, the development and application of 3D printing reminds us that human beings have both a physical and a psychological need to keep at least one foot in the real world. 3D printing has a bright future, not least in rapid prototyping (where its impact is already highly significant), but also in the manufacture of many kinds of plastic and metal objects, in medicine, in the arts, and in outer space. Desktop 3D printers for the home are already a reality, and should cost no more than a few hundred dollars by 2015. 3D printers capable of outputting in colour and multiple materials also exist and will continue to improve to a point where functional products will be able to be output. As devices that will provide a solid bridge between cyberspace and the physical world -- and as an important manifestation of the [Second Digital Revolution](#) -- 3D printing is therefore likely to play some part in all of our futures.

For a fascinating glimpse at a wide range of amazing and unusual printers -- including concrete printers, glass printers, bioprinters, and printers that print on toast! -- click [here](#). You may also find interesting the great websites [3DPrinter.net](#), [3DPrinting.com](#) and [3ders.org](#).

Finally(!), please see my [3D Printing Directory](#) for a whole host of information on 3D printer manufacturers, suppliers, bureau, pioneers and other stuff! More information on 3D printing can also be found in my book [25 Things You Need to Know About the Future](#). The 3D printing web references from this book can also be found [here](#). 

Reprinted from [ExplainingTheFuture.Com](#)

*Christopher Barnett -- a futurist, author, videographer, and Associate Professor of Computing and Future Studies in [Nottingham University Business School](#).*

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## 3D GUN PRINTING

### By Defense Distributed, Home of the Wiki Weapon

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#### **Mission of Defense Distributed**

Home of the Wiki Weapon. A collaborative project to create freely available plans for 3D printable guns

#### **1) Create the world's first 100% 3D printable gun**

##### ***GOAL: Develop a fully printable 3D gun***

Our initial Wiki Weapon (A) design has no moving parts and relies on a separate, inserted solenoid to fire. We begin with this design to learn from the ABS material itself, but this is a method of trial and error. At \$5 per cubic inch, we are at the point where we need outside funds to produce and complete a proof gun. The result of the lessons we learn from WikiWep A will instruct the design and development of Wiki Weapon B, a fully-printable gun comprised of near 100% printable parts.

#### **What We Need & What You Get**

DefDist needs \$20,000 to get this project off the ground.

- \$9,900 will purchase a Stratasys "Mojo" brand FDM printer and software package.
- ABSplus material, cleaning solutions, (some) software licenses, and consultations with engineers and developers.
- ABSplus polymer is essentially \$5 per cubic inch for any given build. Multiple production runs will quickly become expensive.

#### **The Impact**

This project could very well change the way we think about gun control and consumption. How do governments behave if they must one day operate on the assumption that any and every citizen has near instant access to a firearm through the Internet? Let's find out.

#### **2) Adapt the design down to cheaper 3D printers**

***Goal: Adapt the design so it can be printed on less expensive 3D printers-without compromising safety.***

These guns will be almost completely plastic, so melting and failing in your hand will be a concern. Only after testing a few dozen designs to failure will we discover the right limitations to be comfortable rating a WikiWep as safe for **one**

use. Basically we need to break some guns. This is the seed money for the second phase of development. We want to minimize negative media about the safety concerns of untested firearms and the inevitable suggestions that governments should protect us from ourselves.

#### **What We Need & What You Get**

DefDist needs \$ to port the design to the inexpensive RepRap or Makerbot 3D printer.

- \$7,000 to produce 50-100 revisions and test them to failure.
- \$3,000 in consultations with engineers and developers.(we have low costs thanks to many volunteers)

#### **The Impact**

DefDist will build and design a 100% 3D printable gun for the purpose of porting to a RepRap printer. The result will be an easily accessible and replicable design shared with the world. At this point, any person has near-instant access to a firearm through the internet.

#### **3) Become The Web's Printable Gun Wiki Redoubt**

***Goal: Further embrace the "Wiki" root of the project and establish a printable gunsmithing commons.***

Instead of hacking off central planners directly, why not ignore them into irrelevance? In response to our project's feedback and instincts, we open up this site to the world to share and participate in the creation and distribution of knowledge relevant to advancing 3D printable weapons.

#### **The Guns**

##### ***Concept weapon: The Reinforced AR-15 Lower Receiver***

A "gun" has many parts but only one part is regulated and serialized. The ability to fabricate the lower-receiver on a gun and then purchase the un-regulated parts on the open market results in a weapon that exists without regulation. You can do this today, with the right equipment by downloading this file and following the instructions here or below. This however is not

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## Continued from Page 14 - 3D Gun Printing

the same thing as making a 100% 3D printable gun, using a printer that is produced using 3D printable parts. The community of gun owners and supporters needs you



The Above AR-15 is mostly after-market parts, but the regulated component is 3D printed

### Tools Required:

A 3d Printer

[>>download this file<<](#)

A bunch of easily purchased after-market parts

### Instructions

If you have access to a CAD package, I highly recommend working from the original IGES file and not an STL if you want to print a lower receiver. Firearms require a good deal more precision than a Bre Pettis bobblehead, and working from a proper CAD model will allow you to tweak hole diameters and add reinforcement in critical areas. In this case, I opted to add extra support to the front takedown pin lugs, added an integral trigger guard, and reinforced the area around the bolt hold. However, I'm still skeptical of how well the bolt hold crosspin holes will fare and will test without that feature to start with.

Justin's original IGES file actually has the buffer tube threads as modeled features, so I output the STL at a very high resolution (hence the 46 meg file). Much to my delight, when I printed the receiver on my Stratasys, a buffer tube could be screwed right into the rear of the receiver with no touchup of the threads needed (a good thing, as the special 1-3/16"-16 tap for the threads is rather expensive).

As this is a rather complex part, I recommend printing it out at 75% scale first (you can see my original 75% stock lower next to the final full size reinforced lower in one of the pictures). You'll save a lot of time and material this way and get a good idea of how well features will be preserved on a full size print. I used PP3DP UP! filament for the 75% model and switched to black Bolson ABS for the full print. I'd love to try a polycarbonate/ABS blend for this part, but I have no idea if my printer will handle such material.


I have not yet tried fitting the receiver with the trigger group and other components – I may need to ream some of the holes and then sleeve with brass bushings to maintain the needed accuracy. However, I'm very pleased with the receiver thus far and have a .22 conversion kit that I'll be using once I'm ready for live fire tests.

### The Wiki Weapon

From months of studying patents and gun mechanics, the team at Defense Distributed has developed two prototype plastic handguns: These are Wiki Weapons A & B.

The Wiki Weapon type A is the training gun- it has no moving parts and relies on an electrical solenoid for firing action. Otherwise the gun is 100% 3d Printable.

The Wiki Weapon type B will have moving parts for its firing action. Initial versions of the gun will be developed down for RepRap printing.

The CAD files for both of these devices will be available for download on this page in the coming weeks, as will the great bulk of our plans and progress. Stay tuned! 

### The Wiki Weapon (Video):



For more information on Printable 3D Guns, visit [DefenseDistributed.Com](http://DefenseDistributed.Com)

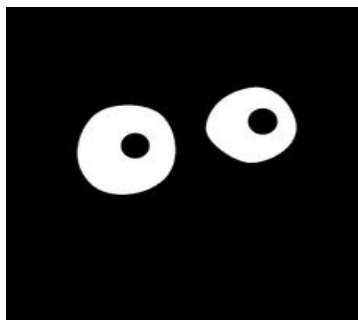
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# Energy - In the Dark

By M. Crosswhite

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I have thought about what the world would be like if our energy were free, required no fuel to produce, was created where and when needed, all without requiring batteries for storage.

If energy were free, I expect that our homes would be powered using devices that would be as small as a portable generator sitting beside our homes like our air conditioner units do now. Widespread blackouts would be a thing of the past, as each home produces its own power source. This technology would eliminate costs for lighting, heating, cooling, laundry, computers, and household appliances. The living standards for all households would rise to a minimum comfortable level.

For poor countries, where water and power are in short supply, a unit described above would provide all the needs for pumping, filtering, and producing clean water for communities. Clean water improves hygiene and reduces disease. These very poor areas would benefit greatly from this technology. Food production helped by irrigation, thru free pumping, opens the possibility to finally end world hunger.

All vehicles would become electric. Cars would have generators (similar to the home units) providing instant electricity to power motors for propulsion. No heavy, gaseous batteries would be needed as electricity would be produced on demand. With no fuel to consume, the driving range would be unlimited. Consider electric planes, watercraft, trucking and previously impractical devices such as personal helicopters.

The interesting but sad reality is this technology has already been discovered, yet this technology has been kept a secret to you and me.

Kept in the dark.

You and I have been kept in the dark (literally) about the real energy story. There have been many scientists, inventors, and laymen that have discovered technologies that facilitate the use of natural energy that exists in our environment. We live in a virtual ocean of energy. It surrounds us at all times and has the potential to meet 100% of our individual power needs for eternity.

An analogy of our ignorance of this massive energy is the same as the 200,000 volt high-tension power transmission lines which birds perch upon. They are unaware of the energy from the power lines as they rest, because they are not grounded to complete an electrical circuit. They would vaporize in an instant if they became grounded. Just as these birds are unaware of the energy in the wires, we are unaware of the unlimited energy we are swimming in.

Nikola Tesla was a person who discovered how to harness the energy around him in the early 1900's, and he created many devices that tapped this energy. Nikola Tesla broadcast electricity to a Pierce-Arrow car with an electric motor, and drove it all around town. (<http://customers.hbci.com/~wenonah/new/tesla.htm> for The Complete Patents of Nikola Tesla)



Tariel Kapanadze, a Georgia Republic inventor, demonstrates his invention, a 5 kilowatt free energy generator:



A Georgia Republic inventor, Tariel Kapanadze, claims to have invented a 5 kilowatt free energy generator. In a demonstration video, the device appears to produce copious amounts of energy from no visible source.

The components apparently include a radiator buried in the ground, a wire to a water pipe, a Tesla coil/joule thief, a spark gap, transformer, capacitors, 5 ferrite cores from old TV HV transformers, and some other unidentified components. Source : <http://www.overunity.com>

Don L. Smith created many different devices that use high-voltages and high-frequencies to draw the environmental energy into his devices which produce usable electricity (<http://www.youtube.com/watch?v=6mV89RvaBYk>).

Many others have used Tesla's notes and patents to replicate and create new devices that utilize this environmental energy. This energy does

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## Continued from Page 16 - Energy - In the Dark

not require burning of any fuel, is environmentally clean, sustainable, and it is available for free.



More power is surrounding us this minute than we could consume (or waste) in our lifetime. This energy emanates in waves from across the cosmos and keeps planets revolving within their galactic orbits.

To meet our current and future power needs, we only need to replicate and mass-produce the devices that have already been invented.

The industrialists and power monopolists wish to continue their revenue stream by selling us energy which they control. It threatens their monopoly if public demonstrations, news, or displays of technologies using “free energy” are allowed to be known by the public. They know that if the masses of the public discover the fact that these technologies are possible, there will not be anyone willing to consume fossil fuels, thus ending their profits and power.

There are hundreds of stories over the past 100 years of “free energy” inventors who disappear, die violently, stop working on their discoveries,

or withdraw from society due to intimidation from the energy monopoly (<http://www.panacea-bocaf.org/energysuppression.htm>).

We must, as a society, look beyond our monopolist conditioning of needing fuels, oil, coal, gas, etc... and accept the possibility of “free energy”. Only then, we can finally come to the realization that we don’t NEED to purchase fuel or electric power to satisfy the energy requirements of our current and future society.

You can do your part by investigating this technology to educate yourself, then helping to expose this information to everyone you know. When critical mass knowledge is achieved, the Monopolists can not stop the technology.

Here are some resources to begin your self-education.

[www.freedomsphoenix.com](http://www.freedomsphoenix.com) Reigniting the Flames of Freedom

<http://www.panacea-bocaf.org> Panacea - Building Our Children A Future

[www.free-energy-info.co.uk](http://www.free-energy-info.co.uk) Practical Guide to Free-Energy Devices by Patrick J. Kelly ~ 2500 pages PDF

[www.peswiki.com](http://www.peswiki.com) Pure Energy Systems Wiki

And many others... Just web-search “Free Energy” You will be amazed! 

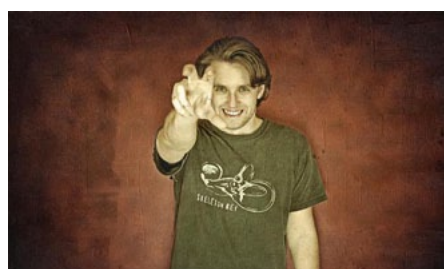
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# Life off the Grid: Unplugging Tomorrow's Homes from the Power Plant

## By Barry Donegan

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IN the past, energy production industries have suffered under some of the most intense levels of state intervention

facing any type of business. Harsh regulations, punitive taxes, and malinvestment-causing subsidies have clouded consumer choice for decades.

What's worse, fiat-financed government research and development grants have encouraged some of the greatest minds in the sciences to take jobs pursuing the abstract fantasies of politicians, rather than helping companies support consumer demand for emerging tech.

Despite this uneven playing field, the market trudges on in its quest to deliver power with less waste and at a lower cost to the end-consumer. Additionally, internet forums are abuzz with conversation between people who seek to experiment with individualized energy sources. For the family that wants to experience a normal, modern life off the grid, disconnecting from public power infrastructure is the final step. To accomplish this, people are working on new ways to generate domestic electricity using innovative technology from the comfort of their own private property.

While technology does not yet support full-scale, affordable, individualized energy production off the grid, experiments by free people are taking incremental steps towards this goal. Homes like Earthships, currently in use or under construction all over the United States and Europe, combine recyclable materials and alternative energy tech to create a fully-powered and insulated home which provides a lifestyle somewhat comparable to those enjoyed by households connected to municipal power infrastructure.

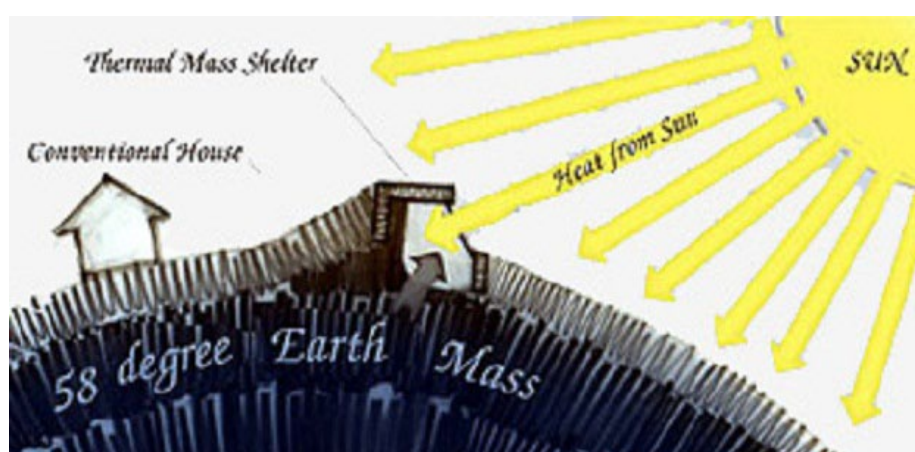
### Earthships Foreshadow a People-Powered Future in Home Energy Generation



*An Earthship in Taos, NM*

Earthships are DIY houses, often built using commercial waste such as used tires to insulate the interior, thus naturally reducing the amount of energy necessary to warm or cool the home. Personalized wind and solar tech, along with tools like power organizing modules which

convert old batteries into AC power, help provide the supplemental energy necessary to run household appliances.



*An Earthship concept sketch*

While consumer technology to individually harvest electricity from the environment has not yet reached a level of efficiency and affordability that competes against the local power plant, hobbyists and wealthy homeowners all over the world are experimenting with different technological options that allow them to generate their own power. Each experiment provides more data from which better solutions can be gleaned.

### State-Free Energy Solutions May Drive Government-Run Power Plants into Obsolescence

Considering the consumer demand for off the grid lifestyles, it is only a matter of time before technology achieves the end-goal of affordable, individualized energy harvesting for households. Innovations are also moving modern society closer to achieving state-free alternatives in water collection, food production, and sewage disposal.

With each passing day, the efforts of free people bring us closer to a future where individuals and families can run modern, self-sufficient households with power generated using personally-owned technology on their own private property. It also follows that tomorrow's families, with power, food production, water collection, and sewage disposal being done in-house, may have little practical use for a welfare-warfare state.

Onward comes a people-powered tomorrow, where individual consumers will be able to choose from a variety of personalized energy options to achieve a state-free family home with all of the comforts of a modern lifestyle. Though progress is incremental, thousands of baby steps are being taken each and every day by enterprising people all around the world. It's only a matter of time before public power infrastructure becomes irrelevant in the face of a robust market of electricity-producing energy options. 🦅

Barry Donegan is a blogger at [Silver Circle Underground](#) - Visit [SilverUnderground.com](#) to read more from Barry and check out the film at [SilverCircleMovie.com](#) –

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# Stop The Revolution Start The Evolution

By Chris Duane

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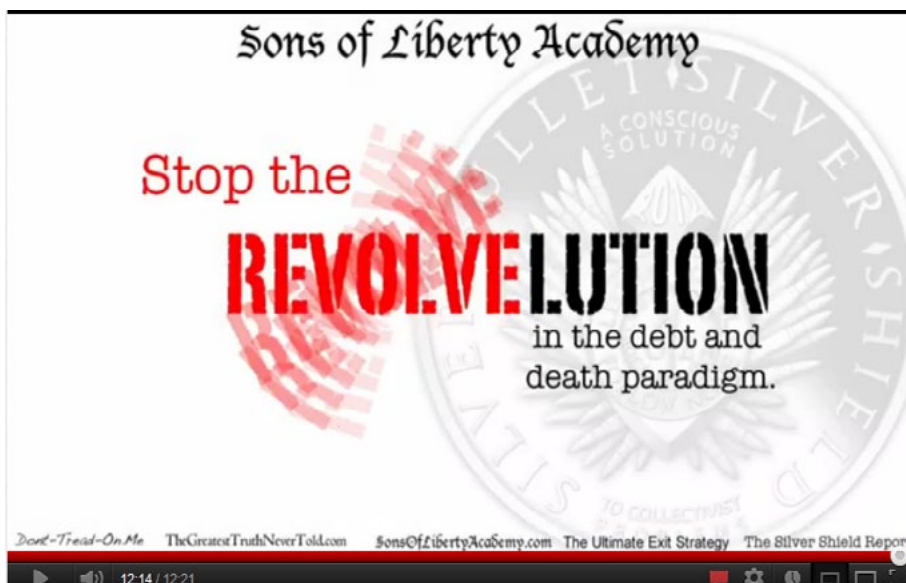


TODAY there are so many stories about how Ron Paul, his delegates and his message are being mistreated at the Republican National Committee.

I am sorry, but I have no sympathy for him, his delegates or his message.

*When you are involved in a long term abusive relationship, at some point the the focus goes from the abuser, to the victims for staying in the relationship so long.*

Click Below to View Video:



*“The most potent weapon of the oppressor is the mind of the oppressed.” – Steven Biko* 

**Christopher Duane**

(<http://dont-tread-on-me/>)

is a Financial & Investing Expert and Founder of the [Sons of Liberty Academy](#).

Chris is also a US Marine & venture capitalist and became a self-made millionaire by age 30. Since 2001, he has been able to increase his net worth an

estimated 3,750% since 2001 while the housing, stock and job markets have been tanking. Chris Duane's YouTube Channel "[Greatest Truth Never Told](#)" has over 3.6 million views since it's debut nine months ago. And he believes massive change is coming and that if you are aware and prepared for this change you will be able to create generational wealth.



*“When you are Aware, you can Prepare”*  
 - Chris Duane

**DON'T TREAD ON ME**

When you are aware, you can prepare

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# Smart Grid: The Implementation of Technocracy?

## By Patrick Wood

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### INTRODUCTION

According to the [United Nations Governing Council of the UN Environmental Programme](#) (UNEP), “our dominant economic model may thus be termed a ‘brown economy.’” UNEP’s clearly stated goal is to overturn the “brown economy” and replace it with a “green economy”:

*“A green economy implies the decoupling of resource use and environmental impacts from economic growth... These investments, both public and private, provide the mechanism for the reconfiguration of businesses, infrastructure and institutions, and for the adoption of sustainable consumption and production processes.” [p. 2]*

Sustainable consumption? Reconfiguring businesses, infrastructure and institutions? What do these words mean? They do not mean merely reshuffling the existing order, but rather replacing it with a completely new economic system, one that has never before been seen or used in the history of the world.

This paper will demonstrate that the current crisis of capitalism is being used to implement a radical new economic system that will completely supplant it. This is not some new idea created in the bowels of the United Nations: It is a revitalized implementation of Technocracy that was thoroughly repudiated by the American public in 1933, in the middle of the Great Depression.

The Technocrats have resurfaced, and they do not intend to fail a second time. Whether they succeed this time will depend upon the intended servants of Technocracy, the citizens of the world.

Indeed, the dark horse of the New World Order is not Communism, Socialism or Fascism. It is Technocracy.

### Background

Founded by Howard Scott and M. King Hubbert in 1932 during the Great Depression, Technocracy proposed a radical new solution for the world’s economic ills. In 1932, Harry A. Porter wrote in *Roosevelt and Technocracy*,

*“Just as the Reformation established Religious Freedom, just as the Declaration of Independence brought about our Political Freedom, Technocracy promises Economic Freedom.” [Foreward, iii]*

Porter’s plan included abandoning the gold standard, suspending the stock exchanges and nationalizing railroads and public utilities. Freedom notwithstanding, Porter then called for President-elect Franklin D. Roosevelt to be sworn in as Dictator rather than President so that he could overturn the existing economic system in favor of Technocracy:

*“Drastic as these changes from the present order of things may be, they will serve their purpose if only to pave the way for the Economic Revolution—and Technocracy.” (p. 63)*

If Technocracy had truly been extinguished before the onset of WWII, we would not be concerned about it today. However, when Zbigniew Brzezinski wrote *Between Two Ages: America’s Role in the Technetronic Era* in 1968, it was essentially a Neo-Technocratic treatise calling for a fourth and final stage of world history, or the Technetronic Era.

When David Rockefeller picked Brzezinski to co-found the Trilateral Commission in 1973, it was with the specific goal to create a “New International Economic Order.” Without some knowledge of historic Technocracy, exactly what the Trilateral Commission ultimately had in mind with such a goal could not possibly have been understood.

Today, it is necessary to rethink these issues in order to determine a) if this radical movement is still operating, b) what are their goals and c) how do they plan to achieve their goals.

In [Carbon Currency: A New Beginning for Technocracy?](#), the subject of historic Technocracy was introduced in the context of creating a new economic system based on energy accounting rather than price accounting. An energy-based accounting system uses “energy certificates,” or Carbon Currency, instead of dollars or other fiat currencies. Periodic and equal allocations of available energy are made to citizens, but they must be used within the defined time period before they reach an expiration date. Furthermore,

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the ability to own private property and accumulate wealth would be deemed unnecessary.

The pressing and unanswered question is how would such a Technocratic system actually be implemented?

This paper will now address the strategy, tactical requirements and progress of establishing an energy-based Technate in North America. [“Technate” is the term used to describe the geographic region operated according to Technocracy. Thus, a North American Technate would include Canada, Mexico and the U.S. and they would all be under common control. ]

### Requirements

The [Technocracy Study Course](#), written by Howard Scott and M. King Hubbert in 1932, established a detailed framework for Technocracy in terms of energy production, distribution and usage.

According to Scott and Hubbert, the distribution of energy resources must be monitored and measured in order for the system to work—and this is the key: *monitoring and measuring*.

They wrote that the system must do the following things:

- “Register on a continuous 24 hour-per-day basis the total net conversion of energy.
- “By means of the registration of energy converted and consumed, make possible a balanced load.
- “Provide a continuous inventory of all production and consumption
- “Provide a specific registration of the type, kind, etc., of all goods and services, where produced and where used
- “Provide specific registration of the consumption of each individual, plus a record and description of the individual.” [Scott, Howard et al, *Technocracy Study Source*, p. 232]

In 1932, such technology did not exist. Time was on the Technocrat’s side, however, because this technology *does* exist today, and it is being rapidly implemented to do exactly what Scott and Hubbert specified: Namely, to exhaustively monitor, measure and control every ampere of energy delivered to consumers and businesses on a system-wide basis.

It’s called: *Smart Grid*.

### What is Smart Grid?

Smart Grid is a broad technical term that encompasses the generation, distribution and consumption of electrical power, with an inclusion for gas and water as well. America’s aging power grid is increasingly fragile and inefficient. Smart Grid is an initiative that seeks to completely redesign the power grid using advanced digital technology, including the installation of new, digital meters on every home and business in the U.S.

These digital meters provide around-the-clock monitoring of a consumer’s energy consumption using continuous 2-way communication between the utility and the consumer’s property. Furthermore, meters will be able to communicate with electrical devices *within* the residence to gather consumption data and to control certain devices directly without consumer intervention.

According to a U.S. Department of Energy publication,

*“The Department of Energy has been charged with orchestrating the wholesale modernization of our nation’s electrical grid... Heading this effort is the Office of Electricity Delivery and Energy Reliability. In concert with its cutting edge research and energy policy programs, the office’s newly formed, multi-agency Smart Grid Task Force is responsible for coordinating standards development, guiding research and development projects, and reconciling the agendas of a wide range of stakeholders.”* (See [The Smart Grid: An Introduction](#))

This is a relatively new initiative, but it is racing forward at breakneck speed. The Office of Electricity Delivery was created in 2003 under President George W. Bush, and elevated in stature in 2007 by creating the position of Assistant Secretary of Electricity Delivery and Energy Reliability to head it.

It is not clearly stated who “charged” the Department of Energy to this task, but since the Secretary of Energy answers directly to the President, it is assumed that it was a directive from the President. There certainly was no Congressional directive or mandate.

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### Implementation

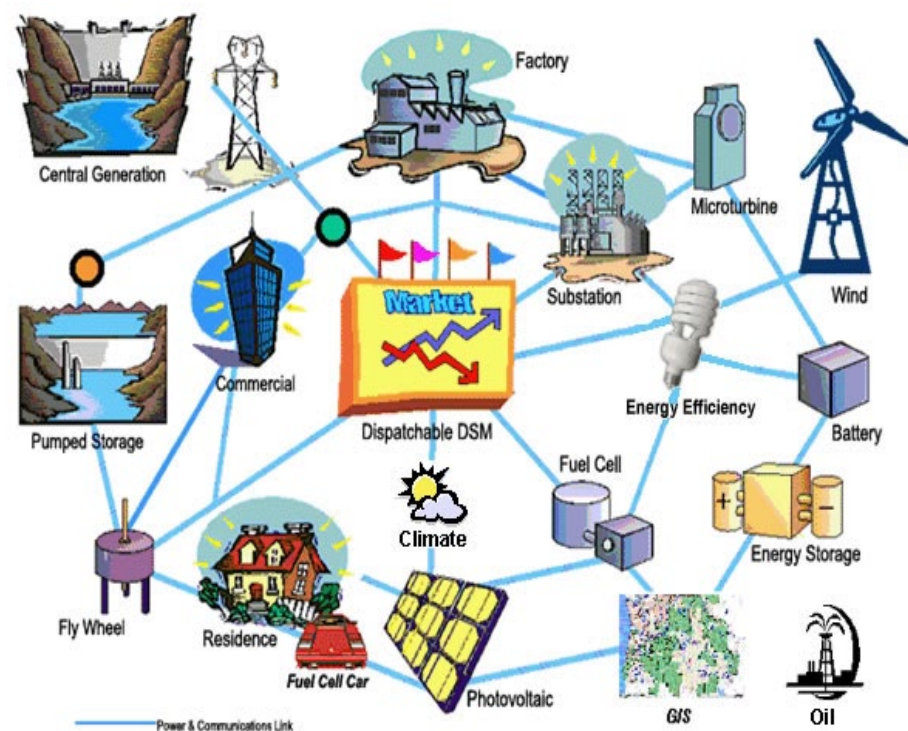
On October 27, 2009, the Obama administration unveiled its Smart Grid plan by awarding \$3.4 billion awarded to [100 Smart Grid projects](#). According to the [Department of Energy's press release](#), these awards will result in the installation of:

- more than 850 sensors called 'Phasor Measurement Units' to monitor the overall power grid nationwide
- 200,000 smart transformers
- 700 automated substations (about 5 percent of the nation's total)
- 1,000,000 in-home displays
- 345,000 load control devices in homes

This is the "kick-start" of Smart Grid in the U.S. On January 8, 2010, President Obama unveiled an additional \$2.3 billion Federal funding program for the "energy manufacturing sector" as part of the \$787 billion American Reinvestment and Recovery Act. Funding had already been awarded to 183 projects in 43 states, pending Obama's announcement.

One such project in the northwest is headed by Battelle Memorial Institute, covering five states and targeting 60,000 customers. The project was actually developed by the Bonneville Power Administration (BPA), a federal agency underneath the Department of Energy. Since it is pointedly illegal for a federal agency to apply for federal funds, BPA passed the project off to Battelle, a non-profit and non-governmental organization (NGO), which was promptly awarded \$178 million.

It is interesting to note that BPA takes credit for originating the Smart Grid concept in the early 1990's, which it termed "Energy Web." You can see from BPA's graphic depiction that it is comprehensive in scope from production to consumption.



According to [Battelle's August 27, 2009 press release](#),

*"The project will involve more than 60,000 metered customers in Idaho, Montana, Oregon, Washington and Wyoming. Using smart grid technologies, the project will engage system assets exceeding 112 megawatts, the equivalent of power to serve 86,000 households.*

*'The proposed demonstration will study smart grid benefits at unprecedented geographic breadth across five states, spanning the electrical system from generation to end-use, and containing many key functions of the future smart grid,' said Mike Davis, a Battelle vice president. 'The intended impact of this project will span well beyond traditional utility service territory boundaries, helping to enable a future grid that meets pressing local, regional and national needs.'*"

Battelle and BPA intend to work closely together and there is an obvious blurring as to who is really in control of the project's management during the test period.

In a "For Internal Use Only" document written in August 2009, BPA offers talking points to its partners. It states that *"Smart Grid technology includes everything from **interactive appliances** in homes to **smart meters**, substation automation and sensors on transmission lines."* [Emphasis added]

### A Network of Things

As the World Wide Web (WWW) is to people, the Network of Things (NOT) is to appliances. This brand new technology creates a wireless network between a broad range of inanimate objects from shoes to refrigerators. This concept is "shovel ready" for Smart Grid implementation because appliances, meters and substations are all inanimate items that technocrats would have communicating with each other.



For instance, In 2008 the Pacific Northwest National Laboratory (PNNL) developed this small circuit

board called a "Grid Friendly Appliance Controller." According to a Department of Energy brochure,

*"The GFA Controller developed by Pacific Northwest National Laboratory is a small circuit board built into household appliances that reduces stress on the power grid by continually monitoring fluctuations in available power. During times of high demand, appliances equipped with the controller automatically shut down for a short period of time, resulting in a cumulative reduction that can maintain stability on the grid."*

According to PNNL's website,

*"The controller is essentially a simple computer chip that can be installed in regular household appliances like dishwashers, clothes washers, dryers, refrigerators, air conditioners, and water heaters. The chip senses when there is a disruption in the grid*

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*and turns the appliances off for a few seconds or minutes to allow the grid to stabilize. The controllers also can be programmed to delay the restart of the appliances. The delay allows the appliances to be turned on one at a time rather than all at once to ease power restoration following an outage.”*

You can see how automatic actions are intended to be triggered by direct interaction between objects, without human intervention. The rules will be written by programmers under the direction of technocrats who understand the system, and then downloaded to the controllers as necessary. Thus, changes to the rules can be made on the fly, at any time and without the homeowner’s knowledge.

PNNL is not a private enterprise, however. It is “owned” by the U.S. Department of Energy and operated by Battelle Memorial Institute!

All of this technology will be enabled with Wi-Fi circuitry that is identical to the Wi-Fi-enabled network modems and routers commonly used in homes and businesses throughout the world. Wi-Fi® is a trademark of the Wi-Fi Alliance that refers to wireless network systems used in devices from personal computers to mobile phones, connecting them together and/or to the Internet.

According to the Wi-Fi Alliance, *“the need for Smart Grid solutions is being driven by the emergence of distributed power generation and management/monitoring of consumption.”* In their white paper, [Wi-Fi for the Smart Grid](#), they list the specific requirements for interoperability posted by the Department of Energy:

1. *“Provide two-way communication among grid users, e.g. regional market operators, utilities, service providers and consumers*
2. *“Allow power system operators to monitor their own systems as well as neighboring systems that affect them so as to facilitate more reliable energy distribution and delivery*
3. *“Coordinate the integration into the power system of emerging technologies such as renewable resources, demand response resources, electricity storage facilities and electric transportation systems*
4. *“Ensure the cyber security of the grid.*

Thus, the bi-directional and real time Smart Grid communications network will depend on Wi-Fi from end to end. This is easily understood from the two figures included in the Wi-Fi Alliance white paper:

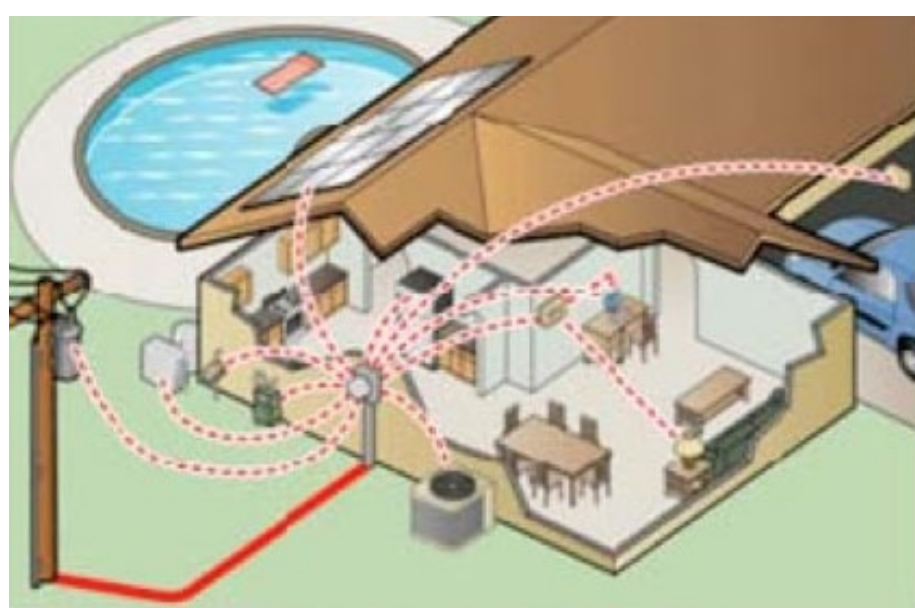


Figure 2: The Home Area Network

While the consumer is pacified with the promise of lower utility costs, it is the utility company who will enforce the policies set at the regional, national and global regulators. Thus, if a neighboring system has a shortage of electricity, your thermostat might automatically be turned down to compensate; if you have exceeded your monthly daytime quota of electricity, energy-consuming tasks like washing and drying clothes, could be limited to overnight hours.

Smart Grid and the utility’s control extends beyond electricity. Notice in Figure 1 above that there is a Wi-Fi linkage to gas and water meters as well!

### Consumer Blowback?

Wall Street Journal reported [“What Utilities Have Learned From Smart-Meter Tests...”](#) on February 22, 2010, and revealed several important early aspects of smart grid implementation.

- A principal goal is to enable utilities to restructure rate plans
- A principal goal is to force consumer behavior to change
- Some utility executives anticipate and fear a consumer rebellion

Nevertheless, the big carrot for utility companies to go along with the government’s Smart Grid is to balance electrical demand, cut back on new power generation facilities and enhance their profit picture.

Before the dust settles on Smart Grid, both consumers and utilities may learn some sharp lessons about government intervention: When the government shows up on your doorstep and offers to help you save money, everyone knows that is an oxymoron. Government does not function to help people or companies to save money or to be more efficient; rather, it functions to maintain and increase its own power and control over its citizens.

### Going Global

The UNEP report mentioned above reveals that *“15 percent of the fiscal stimulus funds committed for 2009–2010, which exceed \$3.1 trillion, can be regarded as green in nature... most green components are oriented towards energy efficiency and renewable energies in a variety of sectors.”*

A BusinessWeek article, [“How Italy Beat the World to a Smarter Grid”](#) stated on November 16, 2009 that *“After several false starts, 2010 finally could be the year when smart meters go global.”*

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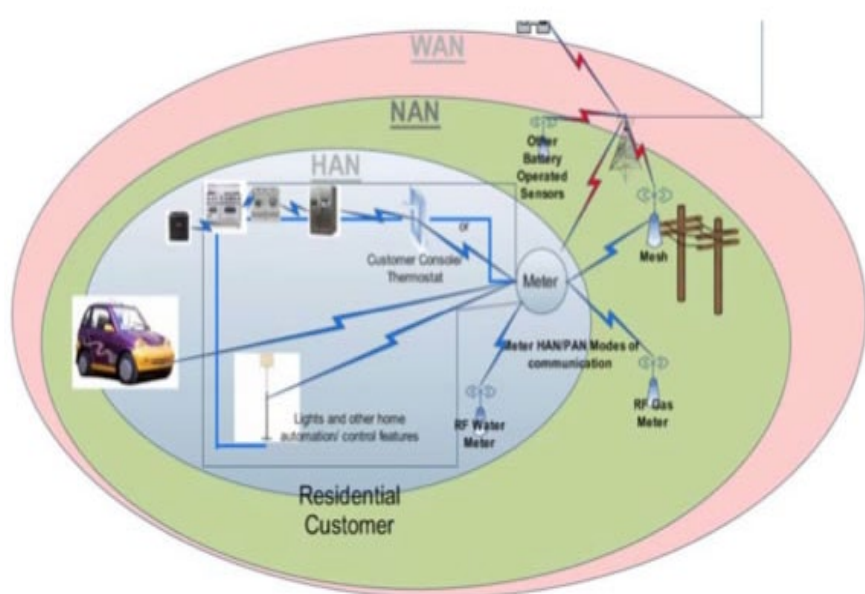


Figure 1: Three Smart Grid Segments



## Continued from Page 23 - Smart Grid: The Implementation of Technocracy?

Indeed, it is:

- Italy has already implemented Smart Grid technology in 85 percent of its homes nationwide
- [earth2tech.com](http://earth2tech.com) reports that Smart Grid will generate \$200 billion of global investment in the next few years
- The [International Electrotechnical Commission](#) (IEC) has laid out a global roadmap to insure interoperability of Smart Grid systems between nations
- Global companies are rushing to gain their share of the global Smart Grid market: IBM, Siemens, GE, Cisco, Panasonic, Kyocera, Toshiba, Mitsubishi, etc.
- China is spending \$7.32 billion to build out Smart Grid in Asia

Other countries with Smart Grid pilot projects already launched include Germany, France, England, Russia, Japan, India, Australia, South Africa and a host of others. Regional organizations such as [SMARTGRIDS Africa](#) have been set up to promote Smart Grid in smaller countries.

Thus, the global rush is on. In every case, Smart Grid is being accelerated by government stimulus spending. The global vendors are merely lining up their money buckets to be filled up with taxpayer funds.

As is the case in the U.S., there was little, if any, preexisting or latent demand for Smart Grid technology. Demand has been artificially created by the respective governments of each country.

### Conclusion

Smart Grid meets 100 percent of the Technocracy's original requirements as described above. In other words, it will monitor and control both delivery and consumption of energy and other green resources such as water and gas.

The Smart Grid initiative was developed and funded by government agencies and NGO's. It was the Energy Department's Bonneville Power Authority that invented the concept in the 1990's. It was the Department of Energy's

Pacific Northwest National Laboratory that invented the Grid Friendly Appliance Controller. It was the Federal Administration that showered billions of dollars over the private sector to jump-start the nationwide initiative to implement Smart Grid in every community.

If the Federal government had not been the initial and persistent driver, would Smart Grid exist at all? It is highly doubtful.

Following the same pattern as the U.S., many other industrialized nations are implementing Smart Grid at the same time, using their own stimulus money. This synchronized implementation is certainly by design, and as such, it implies that there must be a designer. *Who* might be providing such top-down coordination on a global basis must be saved for another paper. One thing is certain: The technology being purchased world-wide all originated in the United States and is being marketed by the same global corporations as mentioned above.

Lastly, there is an assumption throughout Smart Grid literature that the Federal Administration will have full visibility of all data within the Smart Grid, even down to the individual household. They will also be in a position to set national, regional and local distribution and consumption policies, such as your "fair share" of available energy, gas and water.

International standards created for Smart Grid will also enable the U.S. Smart Grid to be connected seamlessly with Canada and Mexico, thus providing a comprehensive North American energy management and distribution system.

Is Smart Grid destined to be a global phenomenon? Yes. Is it designed to support a new global Technocratic, resource-based economic system? Yes.

Technocracy must be seen for what it is: An attempt to impose a totalitarian, scientific dictatorship. In 1933, it called for the inauguration of Franklin Delano Roosevelt as dictator in order to "pave the way for economic revolution." Fortunately at the time, they failed in their attempted coup.

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## Continued from Page 24 - Smart Grid: The Implementation of Technocracy?

If today's Smart Grid is successfully completed, it will enable the conversion of our existing economic system into something far different and far worse. This is why the American people repudiated Technocracy in 1933, and this is exactly why we (and citizens around the world) should thoroughly repudiate it today.

### Resources

Scott & Hubbert, [Technocracy Study Course](#), Technocracy, Inc., 1934

[Background paper for the ministerial consultations](#), Governing Council of the United Nations Environmental Programme, December 14, 2009

[The Smart Grid: An Introduction](#), U.S. Department of Energy

[Pacific Northwest National Laboratory](#), web site

[2010 Strategic Plan](#), Office of Electricity Delivery & Energy Reliability

[The Networked Grid 100: Movers and Shakers of the Smart Grid](#)

Meloan, Steve, "[Toward a Global 'Internet of Things'](#)", Oracle Software, November 11, 2003

[Wi-Fi for the Smart Grid](#), Wi-Fi Alliance, 2009

Obama Announces \$3.4 Billion Investment to Spur Transition to Smart Energy Grid, Department of Energy Press Release

Reprinted from [TheAugustForecast.Com](#)

Video Presentation by Patrick Wood on "Technocracy" at the Eagle Forum Convention:



Patrick M. Wood is editor of [The August Forecast](#) and [The August Review](#). *The August Forecast* provides a succinct look forward to analyze trends relating to markets, economics, politics and finance; *The August Review* is an historical review of global elitism, its players and policies.

He founded The August Corporation on October 11, 1975. As a registered investment adviser with the Securities and Exchange Commission, the company initially offered portfolio management services to investors in the United States until 1980.

In 1978, Wood commenced publication of *The Trilateral Observer (TO)*, to specifically track and document the activities of The Trilateral Commission, which was then seen to be the very core of elitism and multi-nationalism in the United States and abroad. *TO* was co-edited by Professor Antony Sutton, formerly a Senior Fellow at the Hoover Institution for War, Peace and Revolution at Stanford University.

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# Down the Rabbit Hole: Living in a Free State of Mind

## By Carla Gericke

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SOMETIMES, people complain that the “[Free State Project](#)”--a movement to attract 20,000 liberty lovers to the state of New Hampshire--is an oxymoron. They say the concepts of “freedom” and “state” are mutually exclusive. I tend to agree, but usually counter with: add the words “state of mind” to the end of “free state.” This best sums up the FSP’s goal: to create *the* worldwide, go-to, non-third-world, English-speaking, land-based destination for free states of mind.

Individualism means not everyone will agree on what that freedom should look like, and, in a truly free world of non-coercion, they shouldn’t have to. In fact, Porcupines--people who have already moved to NH as part of the FSP--don’t agree either. Some think it will come through in-the-system legislative changes, others through civil disobedience, others through the free market and agorism, and others still through some sort of Mad Hatter combination of some or all or none of the above.



*The porcupine is the FSP’s mascot, chosen because it is a peaceful creature that just wants to be left alone, but is willing to defend itself against aggression.*

The porcupine is the FSP’s mascot, chosen because it is a peaceful creature that just wants to be left alone, but is willing to defend itself against aggression.

We are creating a marketplace for ideas about individual empowerment and freedom. We are test-driving these ideas real-time--from 420 celebrations to cutting the state budget by \$1 BILLION dollars--constantly adjusting, innovating, and challenging each other. Frankly, the only thing Porcupines do agree on is that we are willing to vote with our feet, move to a cold climate with lots of natural resources including water and heating fuel (trees, we gotta lotta of ‘em), and we’re putting the “act” in “activism.”

What would this “free state” look like? I mean: besides jet packs for everyone. In the past, I have likened it to a “Yankee Hong Kong.” Boy, did some people love that, and--surprise, surprise--others got their Puritan “don’t call us no stinking Yankees” knickers in a knot. But whether you want to call it the “New England Hong Kong,” or the “Yankee Switzerland,” or “New Hempsterdam,” or “Western Hong Kongstanlandia”--figure that one out... partial hint: has anyone ever told you if you want to live in a world without government you should move to Somalia?--one thing I know is we need to take the best liberty-based, free market ideas from the world over, and implement them right here in New Hampshire.

Why? Because it’s a pretty easy sell. You have built-in data to prove it can work. People are terrified by the overarching idea that the world would be a more peaceful and prosperous place if the free market reigned and people interacted only through voluntary choice and voted solely with their dollars. If you can show these nay-saying fearmongers, these murderous Queens of Hearts, that a particular policy already works somewhere else--say the decriminalization of drugs in Portugal where the rate of drug use has dropped precipitously--it seems less “off-with-your-heads” scary, and thus much more feasible.

Through the looking glass we go! Let’s implement financial freedom and privacy in the spirit of the Switzerland of yore. Let’s open our borders to those willing to work--no government handouts here. Let’s encourage whistleblowers

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## Continued from Page 26 - Down the Rabbit Hole: Living in a Free State of Mind

to relocate and protect them. Let's end drug prohibition and encourage marijuana tourism with the best coffee houses scattered in renovated mill buildings throughout the state. Let's decriminalize gambling and become the next Macau or Monte Carlo by restoring the grand old resorts found north of the notch. Let's get property and dividends taxes down to zero, like NH sales and personal income taxes already are, thus attracting new businesses. Let's become the Silicon Millyard of the world. A foodie haven, the easiest place to open a new restaurant. Let's encourage competing currencies, from Shire Silver to Bitcoins and beyond. Let's do away with speed limits--our own autobahn! Nose-to-tail food freedom for farmers! Hackerspaces! Government out of any marriage! Hell, when we get around to putting the bells and whistles on Galt's Gulch, let's build the first private maglev train from Portsmouth to Manchester; no eminent domain allowed. Oh, oh, oh, and, the metric system!

Joking aside, let's encourage localism with respect to anything created, built, or grown within the state of New Hampshire. Liberty: Made in New Hampshire. Yes, yes, I know. This brings us back to the idea of "states," and artificial national borders. But, I will tell you this: we have to start somewhere. For me, that somewhere is here, in New Hampshire. Now. For those of you who still care about national politics: 2016 is too late. Five, ten years from now, too late. Don't be the one crying: "Oh dear! Oh dear! I shall be too late!" Do it NOW.

If, like The Duchess, you believe: "If everybody minded their own business, the world would go around a great deal faster than it does." If you

are looking for how to gain that momentum, and to find what's next, here you go: The Free State Project is what's next. New Hampshire is what's next. To succeed, all we need is for the real freedom fighters to come home and be willing to actively fight for their freedom. In the here and now. Journey with me down the rabbit hole, and together, we will experience the wonderland that is Liberty in Our Lifetime.

### Want to know more?

[101 Reasons to move to New Hampshire.](#)

[Join the Free State Project and pledge to move within 5 years of 20,000 signers.](#)

Interested, but can't move now? [Donate and help us achieve Liberty in Our Lifetime.](#)



*Carla Gericke was born in the police state of South Africa and immigrated to California after winning a green card in the lottery. She practiced law as in-house counsel at Fortune 500 companies in Silicon Valley before redirecting her efforts to liberty activism and writing. In 2008, Carla moved with her husband, former FSP board member Louis Calitz, from New York City to New Hampshire for Liberty in Our Lifetime. She is president of the Free State Project. PLEASE NOTE: The views expressed in this article are Carla's own, and do not represent the views or positions of the Free State Project. The Free State Project's sole mission is to recruit 20,000 signers to commit to moving to New Hampshire within 5 years of completing the pledge. [FreeStateProject.Org](#)*

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# Is Going Off the Grid Practical?

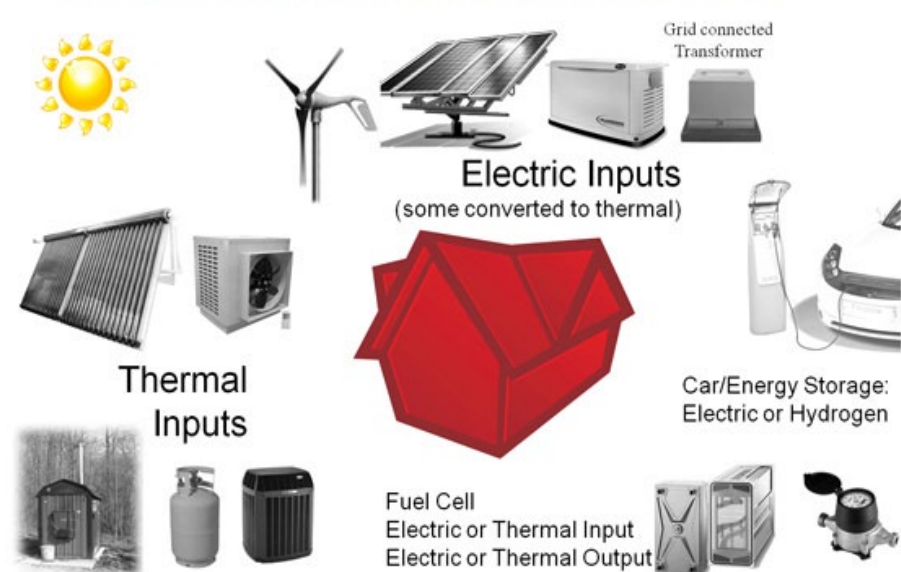
By SARTRE BATR

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THE technological miracle that transformed the 20th century into an engine of wealth creation was based upon cheap energy. The role of the electric grid cannot be understated when it comes to enhancing the quality of life for the greatest number of people. The advance of civilization often seems to go in reverse gear. However, the innovation of labor saving devices and productive machinery usually rely upon running on the stream from electric generation.

## Building Energy Optimization Requires A Comprehensive Control Strategy



Even with this laudable accomplishment, the electric grid has fundamental flaws and distribution shortcomings. The challenge for the 21st century requires a re-invention of thinking as much as a technological replacement of the alternative current system of connection to the electric grid.

Peter Fairley reveals an important trend in [Edison's Revenge: The Rise of DC Power](#)

“Anything that uses transistors relies on direct current, the flow of electricity in one direction. That explains why PCs, iPhones, and flat-screen TVs all have converter boxes to turn the alternating current in wall sockets (which reverses direction 120 times a second) into direct current.

Such digital consumer devices account for up to a fifth of total power consumption today, according to Greg Reed, director of the Power & Energy Initiative at the University of Pittsburgh. Reed says the steep growth curve of DC power is due not only to computers but also to the spread of devices such as LEDs and solar panels.

"Within the next 20 years we could definitely see as much as 50 percent of our total loads be made up of DC consumption," he says. "It's accelerating even more than we'd expected."

DC power is a far more practical method of generation if a consumer is determined to sever the cord with your local electric utility. The obvious drawback is that in the United States major appliances are all designed to run on AC. If

one is resolute to become independent in electric creation, the practical sources of generating a usable current requires a substantial redesign of a wiring system and a substantial investment of capital for the privilege of telling the electric company to take their bill and stuff it.

Is this emotional determination realistic when most people reside in metropolitan regions? Now if you are an avid “[Prepper](#)” and have secured the ideal isolated and rural location to build your dream castle retreat, by all means, do your own thing.

The reality is that reliability of consistent power is one of the main advantages of connecting to the grid. Sure power- outages increase as the lack of proper maintenance to the transmission grid deteriorates. But the alternative of a fickle wind turbine in a still sky means you better be lighting with candles. With all the shortcomings and the short life of battery storage systems, the joy of being free of the utility company may well mean converting to a 19th century hand well pump for your water and a wood stove for your heat.

Now many hi-tech inventions allow the self-reliant to enjoy the natural pleasures of a back to nature lifestyle. Thermoelectric generators ([TEG](#)) might even work if you can master the technology of generating small amounts of electric current from the energy of your wood or coal furnace. Or, if you did your due diligence in selecting that prime survivalist fortress, with a dependable water flow from a year round stream, you can consider a [micro-hydro power system](#). If you strike out with your current incompatible location, surely you can sling a few solar panels on your roof to boil your morning cup of coffee.

The point is that the actual alternatives to generating a practical level of power independent from a grid connection, can be achieved by few property owners.

Now before you give up and order your [PG&E smart meter](#), the definite scandal has little to do with guaranteeing a cost effective electric utility system. Note the main concern has to do with your health and privacy. “Civil liberties advocates are watching this case and asking if we can’t trust the utility industry not to read our e-mails and spy on us, how can we trust them not to share details of our private lives that they acquire from the smart meter?”

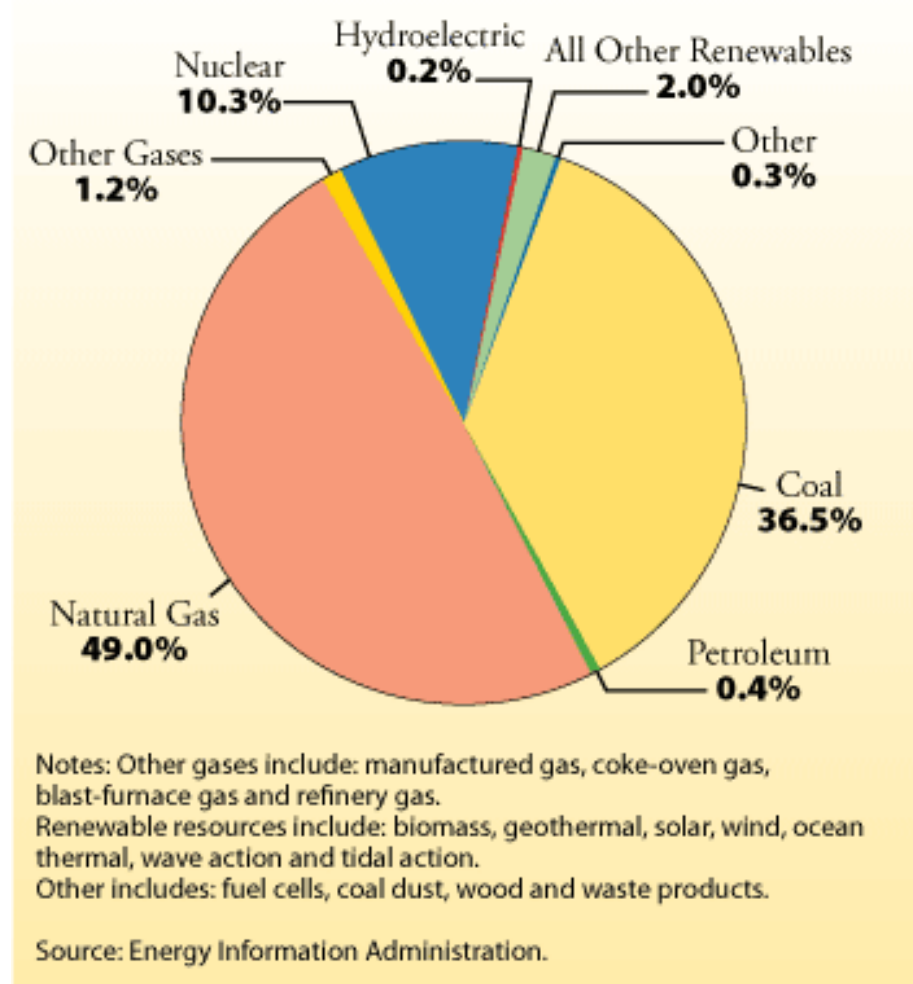
As the emphasis of the alternative energy debate shifts solely from methods to dominance, one must admit that the electric grid is presently being used to control your household existence. The idea of allowing individual homeowners to live their lives free from [Public Service Commission](#) control is only an academic issue. With

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## Continued from Page 28 - Is Going Off the Grid Practical?

modern living, in the “[Green](#)” politically correct era, the only thing that can be counted on is a move towards a despotic government mandate that forces compliance to the “[Cap and Trade](#)” culture.



Going off the grid is far more a political matter than a primitive attempt to supercharge your energy independence by perfecting the recluse way of life. We are all in the same electromagnetic pulse (EMP) matrix that threatens to sever the electric life raft. Reverting to a [Hobbesian State of Nature](#) in an age of comprehensive surveillance that runs on electric current will not cure the autocratic lightning strike.

How can real and viable electric alternatives be developed and brought to market when the entire bureaucratic system rests upon enforcing arbitrary regulations for favored crony relationships? Proponents of “[Sustainable Energy](#)” worship a bogus deity. Their doctrine requires the elimination of coal altogether. With the rapid increase of natural gas turbines for electric generation, these zealots demand that every fossil fuel must be abandoned.

Such attitudes directly have a negative impact on the grid. The case of industrial wind makes the point. A dramatic expansion of the current grid would be required to provide an interconnect from scattered wind factory locations. Just ask [T. Boone Pickens](#) why he deserted his flirtation with this outdated, unreliable and inefficient wind generation in favor of natural gas.

Home fuel cell technology to power your home offers independence from the grid, but any system that requires a cogeneration source of fuel (like propane or natural gas) has obvious economic drawbacks. The promise of producing electricity from magnet generation has a striking appeal. However, where is the practical model that can be tested and marketed at your local Home Depot?

Sorry, the facts all support a conclusion that for a complex society with an aging infrastructure and an authoritarian political culture, the will to invest in a different electrical distribution system does not exist. It is not even a question of

developing a better method for connection; it is all about stretching the useful life of old technology. Where is [Nikola Tesla](#) when you really need him? Well, the modern day J P Morgan’s that control the utility grid have a decisive foreign ownership composition. When the likes of [Iberdrola](#) and [National Grid](#) are encouraged to buy up our domestic electrical utilities, the prospects for the future mirror the problems of Europe.


So if you are not a Prepper and you reside in your urban Florida condominium, be prepared to survive without air conditioning, if you want to cancel your utility account. The regulatory agencies are rubber stamps for the “[Corporatists](#)” utilities and citizen groups have an uphill struggle in preventing a wholesale stranglehold on your energy availability.

Organizing community electric cooperatives with citizen utility boards may be the only way to combat the [Agenda 21](#) goal of controlling and rationing energy availability. The grid could be a miracle support line if it was under the stewardship of community interests. Decentralization of the grid, while maintaining access to sources of reliable and cost effective electric generation, should be the goal. Preventing brownouts is a technological issue, not an Enron manufactured by design occurrence.

The prospect of skyrocketing utility bills is a foregone reality if further consolidation is allowed. Without market competition not only in the sale of electricity, but in the delivery system of distribution, the costs of surviving your electric bill may be far more difficult.

Conservation is a logical objective. Notwithstanding such a noble aspiration, the financial requirements for return on equity demand that a reduction in usage demands an increase in electric rates. Only a true and practical energy generation invention that could break the ties of the electric meter, would offer any prospects of getting totally off the grid.

For the foreseeable future, major energy appliances will be manufactured for AC current. Anyone who has experience with portable generators for backup home generation know all too well that the price of gas or propane are excessive and prohibitive as a permanent alternative.

The only way to get the grid to work for you is to place maximum pressure on the political system to promote innovation for individual independence of the end user. DC current is the energy of choice for the greatest autonomy. However, the Washington DC connection is the greatest hurdle to overcome. The physics of Tesla’s wireless transmission of electrical energy is child’s play, when compared to the enigma of government regulation. 

Reprinted from *Breaking All The Rules* - [BATR.Org](#)

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# The Double Edged Sword & the Future

## By Rick Rynearson

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MANY Americans are coming to the conclusion that government is not simply inept, hindered by bureaucratic red tape and political back and forth, but that it is fatally flawed and an unlikely source for restoring liberty in our nation. Increasing numbers of Americans are reaching into the attic, and dusting off old American traits that were once part of the fabric of the American identity. Traits like self-sufficiency, individualism, independence, and local community mutual support (think barn raising). Traits that once served more rugged generations, but that have largely been forgotten by the heirs of those who once made this nation great.

Americans are now beginning to remember their birthright, and they are growing increasingly dissatisfied with both government action, and government inaction. They are beginning to think government is unable or unwilling to value their right to life, liberty, and the pursuit of happiness. They are looking inward to themselves, to their families, and to their local communities to secure their blessings. While this may seem a “radical” idea to some, it is a cornerstone of the American experience and, ironically, is the very foundation of good American government. Technology, as it often does, is taking center stage in these efforts. Americans are looking to technology to provide their own independent sources of electricity, to grow their own food, and to defend themselves and their communities from violence and propaganda.

Technology is a double edged sword. Arguably, the People have become intellectually and physically lazy as a result of the fruits of technology. But it may be technology that allows them to once again take control of their destinies, their families, and their immediate security. Ironically and hopefully, it may also prove useful in rescuing and restoring a government of and for the People as our neighbors and ourselves once again remember that democracy and freedom are not spectator sports. We have to get into the game, or we will lose it. Technology is getting us into the game, and this is nowhere more clearly than the issue of police abuse.



The internet, faster and smaller computer equipment, and camera systems are allowing citizens to record and secure the truth of events in their interactions with a police culture that often (though not always) acts more like a street gang than a professional force committed to serve and protect. Smart device applications are being created to preserve the truth in situations of police abuse, to help bring about accountability for constitutional violations, and to leverage

community action to make it known to public servants that the public is in fact watching. Case in point, the huge success of the [Peaceful Streets Project](#) in Austin, Texas.

Still, technology is a double edged sword. The same smart devices that are used to capture misconduct and to defend our constitutional liberties, are also being used to attack those same civil liberties. Recently, the Sixth Court of Appeals incorrectly ruled that the Fourth Amendment does not protect Americans from law enforcement tracking their location through their cell phones without a warrant. If the Court is to be believed, law enforcement can track any innocent persons, using their smart device digital effects, to search for the location of their persons, perhaps located in their houses, despite the Fourth Amendment protection against unreasonable searches of their persons, houses, papers, and effects and requiring an oath or affirmation "particularly describing the place to be searched" prior to the issue of a search warrant.

The question then becomes, is the technology worth it? Does it defend or secure liberty more than it provides a tool to violate the rights of the People? Is the solution to embrace and further technology in the steps of Wikileaks and Anonymous, or to forsake tools of oppression, to become Luddites to send a message to technology corporations, their lobbyists, and the government that we demand a little privacy in exchange for our monthly payments?

In my view, the solution may be a mix of both paths, but generally I am of the opinion that technology must be embraced, mastered, and leveraged. The history of conflict is not kind to peoples who do not embrace technology, as the Samurai learned in the face of gun powder, preferring to stick with their swords. While this example doesn't directly correlate, as the Samurai were not tracked by their weapon selection, the principle remains. The technological train has left the station. There is quite simply no longer any privacy in public for private individuals, and the privacy of private property is now in question, as the Sixth Court of Appeals made clear to America, and as 30,000 drones will likely make absolutely crystal clear. While this may be an uncomfortable fact for those of us who value our privacy while we legally conduct our lives and pursue happiness, it is the reality we are faced with and, in my view, it cannot be changed.

If my crystal ball is accurate, then the question then becomes, do we let government agents and corporations control the truth of events, to provide surveillance evidence when it fits their desires, or do we get on board and secure the truth of events for ourselves, to defend our liberty from those who lie and inflict lawless violence? We must accept the reality we live in, and prepare ourselves. We must put down the Samurai sword, arm ourselves with recording technology, demand our right to keep and bear camera, and embrace technology and community. For liberty. For America. 🌱

*Richard Rynearson is a member of V.A.P.A. (Veterans Against Police Abuse) ([Veterans-AgainstPoliceAbuse.Org](#))*



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# Top 14 Reasons To Buy Silver Part 1 & 2

## By Chris Duane

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INVESTING in physical silver is by far one of the most important decisions you can make before the mathematical collapse of the dollar. Fill out the form below to receive 11 of our

best silver reports on why you should be selling every paper asset you have to buy real physical silver. Once you have all of this powerful information, you can then decide what form of silver from our affiliate partner [GoldSilver.com](http://GoldSilver.com).

### Top 14 Reasons To Buy Silver Part 1:



### Top 14 Reasons to Buy Silver Part 2:



Chris Duane is creator of the Sons of Liberty Academy ([SonsOfLibertyAcademy.Com](http://SonsOfLibertyAcademy.Com)). The Sons of Liberty Academy is a new kind of education. One that seeks Total Freedom so that we

live life free and independent. It also teaches us how to become our highest self, which is how God wants us to live. We are not meant to struggle through life.

*“Most men lead lives of quiet desperation and go to the grave with the song still in them.”*-Henry David Thoreau

The Academy teaches the principle of leaderless resistance as opposed to organized protests that can be co-opted or worse targeted like the Tea Party. Leaderless Resistance is nothing more than individual and local actions you can take to stave the beast and strengthen your family and friends. It is the ultimate act of revolution to be Totally Free and it is completely legal. Also through the Academy you will also learn to create *generational wealth* that will help fund our fight.

### Leaderless Resistance

**“War is when the government tells you who the bad guy is, revolution is when you decide that for yourself.”** 

**Christopher Duane** (<http://dont-tread-on.me/>) is a Financial & Investing Expert and Founder of the Sons of Liberty Academy. Chris is also a US Marine & venture capitalist and became a self-made millionaire by age 30. Since 2001, he has been able to increase his net worth an estimated 3,750% since 2001 while the housing, stock and job markets have been tanking. Chris Duane's YouTube Channel "[Greatest Truth Never Told](#)" has over 3.6 million views since it's debut nine months ago. And he believes massive change is coming and that if you are aware and prepared for this change you will be able to create *generational wealth*.

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# Urban Danger: How to Survive an Economic Collapse (Full Movie)

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DANGER is stalking the city. Urban Danger: How to Survive an Economic Collapse (Full Movie)

Like it or not, its a fact... life in urban areas is about to radically change due to developments most people are not aware of. Find out what the

issues are and what YOU can do to not only survive but also thrive.

Far from a “survivalist” film, Urban Danger takes a common-sense look at our roots, finding practical solutions to problems we face today. You will meet many people from all walks of life who show you the common-sense preparations they are making for difficult times ahead. And in the process, they have found a superior quality of life. They have found what “real living” is all about.



[UrbanDanger.Com](http://UrbanDanger.Com)

Video courtesy of [Disclose.TV](http://Disclose.TV)



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## Showdown in San Antonio

### By Liz McIntyre and Katherine Albrecht

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READING, writing, and arithmetic weren't the only "R's" students faced when they returned to San Antonio's Jay High School and Jones Middle

School this August. RFID was also on the agenda.

RFID is the short-hand term for "Radio Frequency Identification," a technology that uses tiny microchips, some smaller than a grain of sand, to track items from a distance. RFID microchips have earned the nickname "spychips" because each contains a unique identification number, like a Social Security number, for things. These identification and tracking numbers can be read silently and invisibly by radio waves, right through walls, clothing, purses, backpacks and wallets.

RFID was originally developed to keep track of inventory in warehouses and keep tabs on farm animals, but developers saw a potential goldmine in extending its uses to people tracking. Most people don't like being spied on, but vendors figured they might make headway by starting with people who couldn't say no.

Over the years, the elderly, people with dementia, and corpses have been "fair game." But now school children—especially those in lower-socio-economic-level schools—are in the crosshairs.

Northside Independent School District, the largest school district in the San Antonio, Texas area, decided students at Jay High and Jones Middle were the perfect guinea pigs for trialing RFID. It's probably not coincidental that these schools have a high Hispanic population, most kids qualify for free lunches, and many parents are busy working more than one job to make ends meet. Some likely worry about potential deportation.

***"Necessity is the plea for every infringement of human freedom. It is argument of tyrants. It is the creed of slaves."***

***--William Pitt (1759-1806), British Prime Minister***

Board members told parents of students in these Title I schools that the move to RFID surveillance was necessary to boost revenues lost due to absences. Kids were sometimes AWOL or in a counselor's office or somewhere else during attendance checks. RFID would allow them to pinpoint the exact location of any student at any time and even document his or her movements,

proving the schools deserved state and federal funds. They sweetened the news by hyping the safety benefits of technological omniscience. (Though government people monitoring makes kids—and all of us—much less safe in the long run.)

Students were issued mandatory identification badges equipped with RFID tracking beacons to be worn around their necks at all times—or else.

Administrators tried to squelch any concerns or resistance by claiming the RFID tags would only be tracked while students were inside the school, even though the badges are capable of transmitting up to 70 feet at all times, thanks to the 2 cell batteries on board. They failed to mention (or perhaps didn't realize) that the badges would always be "on," and that anyone with the right reader device—perhaps a pedophile, stalker, or jealous boyfriend—could track students off campus.

What they didn't count on was Steve Hernandez, his daughter Andrea, and hundreds of supporters around the world watching the "wanna be" watchers.

The schools' planned quiet encroachment of student privacy and civil liberties turned into a very public battle, very quickly, when Jay High School Honor Student Andrea Hernandez vowed not to wear the new ID badge, a device she compared to a pet collar or leash. Her parents backed her decision, and much to the dismay of school officials, she reiterated her vow on local TV.

#### San Antonio News Covers the RFID School Tracking Protest (Video):



The schools also didn't plan for the world's major privacy and civil liberties organizations to lend Andrea, her family, and all the students support.

We decided it was high time to have a showdown on RFID tracking in schools. Leading privacy and civil liberties organizations joined with us to issue and endorse The Position Paper

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on RFID in Schools (link to <http://www.spychips.com/school/RFIDSchoolPositionPaper.pdf>) we drafted—the ACLU, EPIC, EFF, and Privacy Rights Clearinghouse are just a few of the names you might recognize.

*I have found that the greatest help in meeting any problem with decency and self-respect and whatever courage is demanded, is to know where you yourself stand. That is, to have in words what you believe and are acting from.*

*--William Faulkner (1897 - 1962)*

Reaction to the paper and Andrea's brave stand quickly ignited protests, with concerned citizens flying into San Antonio from as far away as Austin and Dallas on the first day of school. Parents, students, and other stakeholders lined the room of the school board meeting the next evening and shared the downsides and safety concerns about the technology—information the vendor, Wade Garcia and Associates, likely never mentioned.


Andrea is still standing strong with her family at her side, but they are on the edge of their seats wondering what will happen next. Her father Steve is concerned the school might expel his daughter or deny her books or privileges, but so far threats have simply remained threats.

**RFID**  
**NINETEEN**  
**EIGHTY-FOUR**

The good news is that the ACLU has stepped in to help the Hernandez family and others assert their rights, and the story is sparking renewed interest

in the serious privacy and civil liberties implications of RFID. In the last few days we've been fielding calls from reporters who are wondering if any school on their beat would dare to chip their students.

We are still watching and waiting with the rest of the free world to see how this chapter in the life of an invasive technology closes. There have been whispering that other schools are also considering an RFID tracking agenda, and we're sure they're closely watching, as well.

School is a place where students should be learning to become free, independent, responsible adults. It is not a place to teach kids to submit to tracking schemes so they grow up expecting Big Brother has a right to watch them 24/7. Join with us in helping put an end to RFID people tracking and other surveillance initiatives that ultimately put us all at risk. You can read more about RFID and our very public battles over the technology at our website: [www.spychips.com](http://www.spychips.com) and in our award-winning book *Spychips: How major corporations and government plan to track your every move with RFID*. 



*Liz McIntyre is the Communications Director for CASPIAN (Consumers Against Supermarket Privacy Invasion and Numbering - [NoCards.Org](http://NoCards.Org)) and a freelance writer.*



*Dr. Katherine Albrecht is the founder and Director of CASPIAN and Vice President of Marketing for [Startpage.com](http://Startpage.com), the World's Most Private Search Engine.*

*Liz and Katherine are consumer privacy experts and RFID experts. They are also co-authors of the bestselling book [Spychips: How major corporations and government plan to track your every move with RFID](http://www.spychips.com). *Spychips* was honored with a Lysander Spooner Award for Advancing the Literature of Liberty.*

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# Who Will Win November? - Look to the Stock Market

## By Bob Prechter

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RENOWNED economic theorist Robert R. Prechter, Jr. describes why the stock market is a good predictor of presidential elections. What's the prognostication? Read on. Most likely you won't lose a bet.

Most statistical studies in the field of political science test whether A causes B. With respect to election outcomes, for example, researchers test things such as which party in power is better for the economy, or whether the state of the economy predicts which party will get elected. Sometimes results seem meaningful, but when the test time period or the economic variable is changed, the apparent significance often disappears. Generally, results have not been very useful.

My colleagues at the Socionomics Institute and I set out to test something different and more difficult. Socionomic theory proposes that unconscious social mood regulates social actions. For example: In the field of finance, social mood regulates aggregate pricing in the stock market. In the field of politics, social mood is a strong regulator of which leaders are selected and how they are perceived. Specifically, when the trend of social mood is positive, investors tend to bid stock prices higher and voters tend to retain incumbent leaders; when the trend is negative, investors tend to bid stock prices lower and voters tend to oust incumbent leaders. In other words, our theory is that C (social mood) causes A and B.

But C—social mood—is a hidden variable. We can't measure it directly by hooking up electrodes to 200 million human brains. We can measure only the effects of social mood, as expressed in social actions. With this hurdle, how could we test our idea?

We first set out to test our hypothesis that the stock market should be a useful indicator of whether voters retain or reject an incumbent. Since pundits tend to credit or blame the predecessor for conditions during the first year of a new president's term, we suspected that the performance of the stock market three years prior to the election would be the best duration for testing how voters would judge an incumbent. Nevertheless, for robustness, we tested stock

market returns for durations of one to four years before each election.

To assure further robustness of results, we tested the stock market's performance against multiple measures of voting results: popular vote margin and percentage, electoral vote margin and percentage, straight win/loss, and landslides (both electoral and popular vote). We tested:

Various thresholds to judge landslide wins and losses

Percentage and lognormal changes

Stock market returns using both nominal and inflation-adjusted prices

Also, we subjected the data to four different types of statistical tests, and we used all available data, going back to 1824 for popular vote and to George Washington's reelection in 1792 for electoral vote.

We found that the stock market is significant predictor of election results in all cases. As surmised, the best result was the three-year period prior to the election. One of our landslide tests obtained a perfect score.

While useful, this result did not answer our primary theoretical question. After all, maybe the stock market is just one of many conditions by which voters judge a president's performance. In other words, perhaps there are many A's, but A still causes B.

Conventional wisdom says, "It's the economy, stupid." But socionomic theory predicts that the stock market would be a better register of social mood than the economy. The reason is that investors can express social mood nearly instantaneously by buying or selling stock, whereas it takes time for business people to implement business plans formulated at the same time.

So, we next set out to test how the stock market compared to the economy as a predictive variable. If the economy performed as well as the stock market, then we still had a useful result, but not one that is theoretically important.

To assure robustness, we tested the predictive ability of the so-called "big three" economic

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indicators: gross domestic product (GDP), inflation rate, and unemployment rate. We also tested inflation-adjusted (real) GDP. We tested these variables individually and in combination with the stock market.

We found that the stock market outperformed every one of the economic variables, on all four time frames. Indeed, in our tests, inflation and unemployment showed no significant ability to forecast election outcomes. GDP was a significant predictor, but its stand-alone predictive ability was weaker than the Dow Jones Industrial Average (DJIA), and its significance disappeared in the presence of DJIA, whereas DJIA remained significant in the presence of other economic variables.

This counterintuitive result got us closer to our goal of demonstrating socionomic causality. After all, it would be difficult to claim in this instance that A caused B (i.e., that the stock market *caused* voters to retain or reject an incumbent president). Why would voters care more about their portfolios than about their jobs, their savings and their country's economy?

Nevertheless, economic-voting theorists could still claim that for some unknown reason, voters care more about the stock market than about the economy, the inflation rate or the availability of jobs. In other words, A still causes B.

So, we did one last test. If voters truly are voting in response to their stock market gains and losses, then our results should be stronger in times when more voters own stock. To test whether this is the case, we bifurcated our results.

In the first half of the 20th century, few Americans owned stock; estimates for different decades during that time range from two to 10 percent of the population – the latter number appearing briefly, near the 1920s stock market peak. Conversely, in the second half of the 20th century, up to 50 percent of American households owned stock. Yet we found that the predictive value of the stock market was about the same in both periods. Ownership didn't seem to matter.


For added robustness, we also tested the two centuries against each other. In the 19th century, most Americans were farmers. Almost no one owned stock. Yet the stock market remained a significant predictor of re-election outcomes in both the 19th and 20th centuries. In fact, the record for the 19th century is actually slightly better than that for the 20th century!

Clearly, *A cannot be causing B*. Voters are not deciding to keep or reject incumbent presidents

simply because they are making or losing money in the stock market.

The socionomic explanation holds: Voters in the aggregate are not responding to stock market changes, economic changes, inflation rates or the availability of jobs. Rather, they are voting in accordance with socionomic theory, which proposes that both investors and voters are acting in accordance with a *hidden variable*: social mood. In other words, C is causing both A and B.

We believe our study helps demonstrate that aggregate voting at the margin—swing voters—are not so much rationally weighing the potential value of each candidate but rather voting primarily based on how they *feel*. When a positive trend in social mood induces investors to push the stock market upward during the three years prior to an incumbent's re-election bid, it also induces voters to credit the incumbent for their good moods and vote to retain the incumbent in office. When a negative trend in social mood induces investors to push the stock market downward during the three years prior to an incumbent's re-election bid, it also induces voters to blame the incumbent for their bad moods and vote to reject him from office.

Our study has practical value for election forecasters: To improve long-range prediction of election outcomes, use social-mood indicators in your mix. We have some advice for politicians, too: If you want to beat an incumbent, make your initial bid for office when the stock market has fallen a long way. If you are already in office and the stock market has risen a long way, run for re-election; if it has fallen a long way, bow out gracefully, take a respite, and keep a humiliating defeat off your resume. 

Republished from [Industry Today](#)

*Author Robert R. Prechter, Jr. is an economic theorist who founded the Socionomics Foundation and serves as executive director of the Socionomics Institute. Based in Gainesville, Ga., the Institute analyzes social mood and its role in driving cultural, economic and political trends. Article content comes from the paper "Social Mood, Stock Market Performance and U.S. Presidential Elections: A Socionomic Perspective on Voting Results," which Prechter co-wrote with colleagues Deepak Goel, Matthew Lampert and Wayne Parker. It is available at [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1987160](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1987160). To read more about socionomic theory, visit the Institute's website at [www.socionomics.net](http://www.socionomics.net). Mr. Prechter is also president*



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# The American Planning Association and Its “Faulty” Handbook

## By Tom DeWeese

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the report, only 6% of those surveyed expressed opposition to Agenda 21, while 9% expressed support for Agenda 21 and 85%, “the vast majority of respondents, don’t know about Agenda 21.”



consequence in the “real” world. They continue to portray Agenda 21 as simply a 20 year old idea, and just a suggestion that planners and local governments might consider.

However, a closer look at the full survey, plus some additional APA reports reveal some interesting, and in some cases, astounding facts.

First the survey:

It was designed to show support for “Planning.” This has become an obsession with the “*planning community*” because Agenda 21 and Sustainable Development have become the center of protests by property owners and those who feel government has grown too big and powerful. So the APA has launched a series of efforts to fight back. These include conducting a “boot camp” to train their legions of planners across the nation on how to deal with anti-Agenda 21 protestors.

According to the APA, the findings of the Survey reveal that: Only one-third believe their communities are doing enough to address economic situations; Very few Americans believe that market forces alone (the free market) improve the economy or encourage job growth; 84 % feel that their community is getting worse or staying the same; Community planning is seen as needed by a wide majority of all demographics; and of course, that 85% of Americans just don’t know enough to hold an opinion about Agenda 21.

Those are pretty astounding findings. Looks like these “honest” planners have their fingers on the pulse of the nation. And as the APA constantly reminds us in their materials, “*there is no hidden agenda,*”(as in Agenda 21).

Astounding perhaps, until you look at the actual questions asked in the survey. For example, Finding #4: Community planning is seen as needed by a wide majority of all demographics (79% agree; 9% disagree; and 12% don’t know). Wow!

But here is the actual question that was asked: “*Generally, do you agree or disagree that your community could benefit from a community plan as defined above?*” The definition **provided** in order to answer the question was this: “*Community planning is a process that seeks to engage all members of a community to create more prosperous, convenient, equitable, healthy and attractive places for present and future generations.*”

Asking the question in that manner is akin to holding up a picture of Marilyn Monroe along with one of Rosy O’Donnell and asking which one would they want to date. Give me the pretty one please – says 79%. In fact, in some actual planning meetings they do just that – hold up a picture of downtown depicting decaying, dreary buildings verses one of a shining, beautiful utopia, and they literally say, “*which one do you want?*” If the answer is (of course) the pretty one, then, YES, the community supports planning! Talk about a “*dumbed down*” process.

Moreover, as the American Planning Association adamantly denies any connection to the United Nations’ policy of Agenda 21 and its planning programs, how strange it is then, that the APA definition of planning is almost identical to the definition used by the UN to define Sustainable Development. Compare: “Development that meets the needs of today without compromising the ability of future generations to meet their own needs.” The UN further defines Agenda 21: “Effective execution of Agenda 21 will require a profound reorientation of all human society, unlike anything the world has ever experienced.” Such a forced policy would certainly “engage all members of a community” whether they want to be or not. The UN calls it a “*redeployment of human resources.*” Other than semantics, there is no difference in the APA’s and the UN’s definitions of planning.” The planners’ definition uses an interesting term, “equitable.” The UN also uses such a term in describing Agenda 21 – “Social Equity.” And that is translated into another term: “Social Justice.” It means “redistribution of wealth.” Is that what the “local” planners have in mind for their community development?

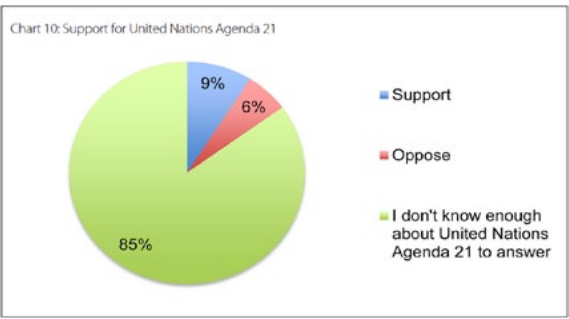
It’s obvious that the APA is playing word games with its surveys and definitions of planning. No

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wonder such an overwhelming majority answer in the affirmative to such questions.



And, yes, maybe a lot of Americans don’t know what Agenda 21 really is. However, if the APA

asked real questions that gave a solid clue as to the planning they actually have in mind, I’m quite sure they would get a much different response – whether the person answering had ever heard of Agenda 21 or not. For example, here are some sample questions that could help the APA take the real pulse of the community – if they wanted to be honest:

How do the citizens feel about planning policy that dictates the size of their yard and forces high density developments where one practically sits on top of their neighbors? Do they still support such “Planning?” How do the citizens feel about planning that enforces the creation of public transportation with a limited number of riders – yet could cost taxpayers so much money that it would be literally cheaper to buy each potential rider a brand new Rolls Royce, even when the chauffeur is thrown in for good measure? Do they still support such “Planning? How do they feel about planning that enforces limits on energy use and forces up energy costs? What if that included forcing residents to replace their appliances with more energy efficient ones to meet “Planning Standards?” Do they still support such “Planning?” How do the citizens feel about Planning that forces cars to “share the road” with bicycles and foot traffic, even as Planners narrow the streets, deliberately making it harder to drive? Do they still support such “Planning?” How do the citizens feel about Planning that forces tax payers to pay for plug-in stations for electric cars that hardly anyone wants or uses, for the specific purpose of forcing people to buy them? Do they still support such “Planning?” How do the citizens feel about Planning that creates non-elected boards, councils and regional governments to enforce their policies, which actually diminish the power of the officials they elected, severely reducing citizen input into policy? Do they still support such “Planning?”

Ask the questions in this manner instead of trying to whitewash them into sounding like innocent, non-intrusive local ideas for community development. Ask the questions so that they reflect the consequences of the plans, and then see if the 85% now are so eager to ignore the effects of Agenda 21.

The reality is that Americans across the nation are now openly protesting such policies as they are being enforced in communities everywhere.

They are directly tied to the stated goals of Sustainable Development, the official policy of Agenda 21. And that is why a twenty year old “suggestion” has become the focal point of attacks on “local” planning.

Planners are shocked that people are opposed to such attacks on their private property and their pocketbooks, and they are doing everything possible to label such Americans as “fringe conspiracy theorists.” The survey is part of that effort.

In fact, the APA survey follows a barrage of news articles, obviously contrived by the public relations firm hired by APA, to again, paint its image as just a group of honest planners trying to do their jobs while being unjustly attacked by fringe radicals. Such convenient reports have suddenly appeared on the front page of the New York Times, Washington Post, Wisconsin Watch, Mother Jones and the Southern Poverty Law Center, to name a few. It’s interesting to note that most of these stories name me as the perpetrator.

As mentioned, the APA has organized a boot camp to train their planners how to combat us nasty protestors. Through its new training, the APA downplays revealing details of the plan, instead, suggesting ways to make their presentations merely “conversations with the community,” using empathy, and terms that are non-technical.” Obviously APA believes the protestors are just simpleminded and unable to see their wisdom. One shouldn’t be so upset over losing control of their property, their business or their farm. There’s a higher good at stake here, after all.

And so, to accomplish that task of dumbed-down “planning,” (and in fact, hiding its real purpose) the APA is going to great lengths to change the words. For example, the APA has issued to its members a “Glossary for the Public” that suggests what words should no longer be used in public meetings when discussing planning, because they make the opposition see “red.” So the planners should not use words like collaboration and consensus, or public visioning, or even “Smart Growth.”

The Glossary provides specific language and tactics to be used to defuse protests. “Stay on message,” it says. “The following phrases may be useful to help you frame your message in a way that is positive and inclusive, when transitioning to a local example, or to stay on message during public meetings where critics may attempt to distract from the agenda or topic at hand.” And here is the language they suggest:

***“Plans and planning are time-tested ways for communities and neighborhoods to create***

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*more options and choices for their residents...”*

In other words, we’ve always had planning, so what’s the problem?”

Such “public” meetings that the APA is so worried about being disrupted are not public at all. They are “consensus” meetings, run by professional facilitators, trained in psychology to use stealth to direct the audience into a pre-determined direction for a pre-determined outcome. Anyone asking questions outside the well-controlled box is labeled a protestor. And we are protesting that! It is not how things are to be done in a free society, especially when your own property is at stake.

Yes, there has been planning throughout the history of America. Many communities have come up with efficient ways to deal with water use and waste disposal, and to assure that factories weren’t built next door to private homes, and so forth. And no one is protesting that!

Our fight is with “planning” that is specifically designed to curtail energy use, drive up costs, control private property and development and building – literally dictating a change in our lives and even changing the very structure of our system of government.

One of the tools the APA uses to enforce planning is through the International Code Council (ICC), an international set of standards based on a one size fits all set of regulations. The ICC also develops the International Energy Conservation Code, a model for energy efficiency code. And it develops a standard for Accessible And Usable Building Facilities. Each of these codes is aimed at cutting back energy use, controlling private property use, and, in short, enforcing sustainable development. Where was the concept of sustainable development first introduced and perfected as an agenda for development? Oh yes, in Agenda 21. There is no room for discussion, reason or consideration for exceptional local situations. The APA brings these codes and others into the community planning as a pre-packaged deal inflicting the community with (yes) foreign regulations. And yes, dedicated Americans protest that this is not local government or planning, but the enforcement of an international (UN) agenda.

We further find similar pre-packaged regulations coming from federal agencies, including the EPA (which openly admits that some of its grant programs are designed to impose Agenda 21) the Forest Service (which admits that its policies on forest conservation are coming from the UN’s Brundtland Commission on Global Governance), as well as policies from the Department of Housing and Urban Development (HUD), and the Department of Transportation, to name a few.

And so it goes. Government in the U.S., at all levels, is happily moving forward with such plans, using the ground troops supplied by the American Planning Association in every community. It’s happening fast, and is all-pervasive. And as people are being run over by such plans, some are trying to slow down the runaway freight train by standing in the tracks and yelling stop! They of course are the ones labeled as fringe nuts.

However, as the APA does everything it can to so label our movement, a shocking new report provides new evidence that the sustainable policies advocated by APA in the cities – the policy known as Smart Growth – is wrong headed and


really pretty dumb. And where does such a report appear? Here’s the real shocker. It was published in the Journal of the American Planning Association in an article entitled “Does Urban Form Really Matter.” It is an analysis of Smart Growth policies in the United Kingdom which shows that the “compact city” controls don’t work.

Says the report, “The current planning policy strategies for land use and transportation have virtually no impact on the major long-term increases in resource and energy consumption. They will generally tend to increase costs and reduce costs and reduce economic competitiveness.” Continues the report, “Claims of compaction will make cities more sustainable have been debated for some time, but they lack conclusive supporting evidence as to the environmental and, particularly, economic and social effects.”

There you have it. Right out of the pages of the APA’s own Journal, the very policies that they are forcing on communities across the nation, are wrong. Forcing mass migration into cities where people are to live in high density buildings, or homes on lots so close together that the dog can’t squeeze between houses, have no effect on the environment. But as I have stated in articles and speeches across the nation, such “planning” creates an artificial shortage of land, causing housing costs to go up. It doesn’t cut down on energy use or protect the environment. It’s a useless intrusion in the lives of honest Americans.

And that is exactly why we are protesting Agenda 21. It is wrong. The premise is wrong. The facts as presented by the APA and other planners, are wrong. It is wrong for our nation. Wrong for property owners. Wrong for future generations.

In the 1970s, author Richard Bach, who wrote the classic book, *Jonathan Livingston Seagull*, also wrote a second book entitled, *Illusions: The Adventures of a Reluctant Messiah*. In the book, a Messiah, as he was forced to come up with answers to the problems of life, consulted the “Messiah’s Handbook.” All he had to do was open the book and it would miraculously turn open to the very page containing the answer he sought. He stumbled through his adventures, following the handbook. But finally, in the end, as he consulted it a final time, the page read simply, “Everything in this book may be wrong.

There is only one right approach for a community to come together to discuss and solve common problem: open discussion, honest debates and votes, and above all, a full concentration on the protection of private property rights as the ultimate decider. The American Planning Association needs a new handbook! 

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*Tom DeWeese is one of the nation’s leading advocates of individual liberty, free enterprise, private property rights, personal privacy, back-to-basics education and American sovereignty and independence. Go to [americanpolicy.org](http://americanpolicy.org) for more information. Tom DeWeese's new book, 'Now Tell Me I Was Wrong' is now on Amazon! [Click here for more information](#)*

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# Terry and the Checkpoint Goons, Part II

## By Claire Wolfe

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LAST month [I interviewed Terry Bressi](#), the gutsy Arizona man whose nine-year effort won him a victory against the goons who dragged him out of his vehicle and illegally arrested him at highway checkpoint in December 2002.

While it wasn't a complete triumph because none of the individual miscreants were punished and drivers continue to have their rights violated, it was still a serious win.

Terry notes, "Although I didn't get the ruling/clarification I wanted from this legal action, my attorney reminds me that we squarely trounced them in the 9th circuit, pissed off the lower court judge to no end who's dismissal was reversed, clarified years of ambiguous applicability of federal/state constitutional law to tribal law enforcement actors operating on public highways and scared them enough to force a six figure settlement."

Terry also [posted enough documentation online](#) to enable some future Agitator to carry the right-to-travel cause even farther.

Last week's post focused on mindset — what drove Terry to fight so hard and what kept him going when it must have been a terrible grind.

Today ... it's all about practicalities. Specifically it's about how Terry recorded his roadblock experiences.

Under other circumstances, it might be enough to whip out your smartphone to record police thuggery and rights violations. But phones get confiscated, videos get deleted, cameras get "accidentally" damaged or not-so-accidentally crushed under bootheels.

Motorists — especially ones who challenge the cops — have special problems. They may be dragged out of their vehicles and out of range of dashboard cameras (their own or those of the police). Police searching a vehicle can wreak havoc on a simple camera setup. One camera might

malfunction. A memory card might get "disappeared." An adversary may come up from a side of the vehicle where no camera is pointed. Or other things might happen (and have happened to Terry) as he notes below.

So here, in his own words, is how Terry set up his vehicle.

At first glance, you might think Terry's car has an elaborate recording setup. But hang in there. Below is a video from a hardcore freedomista whose car could star in *Mission Impossible*.

### In Terry's own words:

I haven't detailed my camera setup online before but it's pretty straight forward. I installed a 750 watt (1500 watt peak) inverter connected directly to the vehicle battery, through a 100+ amp in-line fuse, for converting the battery's 12 VDC output to 120 VAC. This allows me to power quite a few recording devices and other electronic equipment with standard wall outlet power transformers.

After several incidents where the batteries in one of my cameras died while in the middle of filming a checkpoint encounter (rather embarrassing even if I do have a decent poker face when the need arises), I decided I really didn't like relying on internal camera/recorder batteries for encounters of unknown duration. To remedy this, I installed the inverter and bought power supplies for most of the cameras.

I usually use two or three cameras in the cab of the vehicle — one pointing out the back, one looking out the passenger window and a third on the dashboard looking forward. The dashboard camera is setup on an industrial strength velcro strip so that I can pick it up easily and point it wherever I think it needs to be pointed. While three cameras may sound like overkill, it really isn't. The Border Patrol uses drug sniffing dogs at their checkpoints on pretty much every vehicle that passes through. Since dogs can be manipulated by their handlers into falsely alerting or handlers can just outright lie about an alert, it's important to have as

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## Continued from Page 40 - Terry and the Checkpoint Goons, Part II

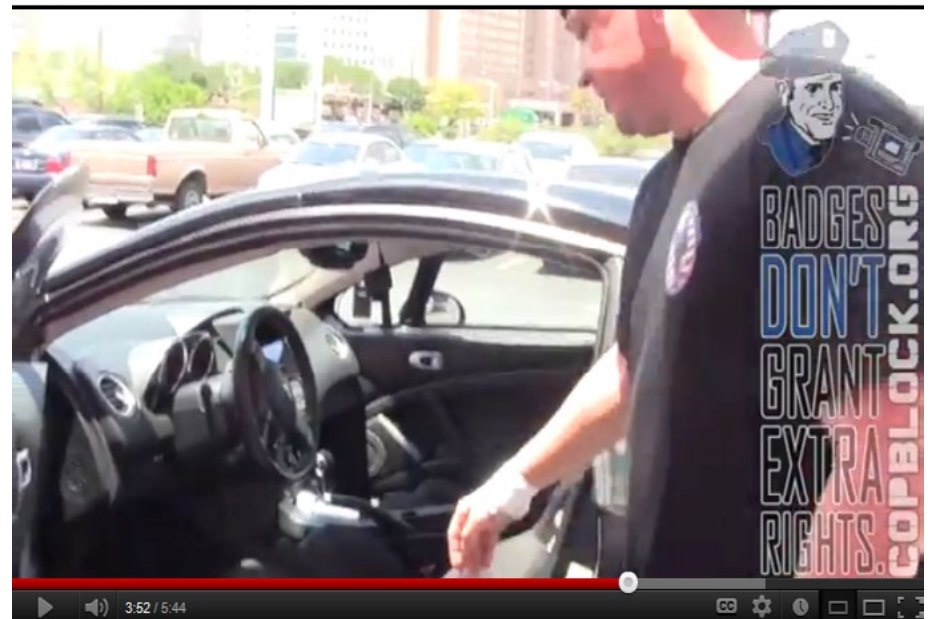
many angles as possible covered. As such, even with three cameras, I still have way too many blind spots for my comfort. Additionally, before I installed the passenger side camera and the rear camera, I was getting an inordinate number of flat tires. It was always the rear passenger side tire....

I've been using Canon Powershot handheld cameras of various models over the years because they can operate while using an external power supply and don't place artificial limits on the length of a video clip. They'll run until the memory card overfloweth or until they hit 4GB of memory space. I think the 4GB limit is due to the addressing limits of whatever internal processing hardware the camera uses. At 640×480 resolution & 30 frames per second, this is usually close to an hour's worth of videotaping. I also keep spare memory cards on hand to switch out if the need arises & as long as the vehicle battery holds out, the cameras will too.

One can also buy inverters that plug into the cigarette lighter but they're limited to about 200 watts (sufficient for most operations) but they power down in most cases when the engine is turned off. Connecting directly to the battery makes sure your equipment stays powered for as long as the vehicle battery has a charge regardless of whether or not the vehicle is running. Of course the down side to this is if you run your vehicle battery down during an encounter you may find yourself asking for a jump from whatever agency detained you in the first place.

Not likely to happen though given that you'd have to be recording for a long time in most cases before this would be an issue – a time frame in which they're usually either going to just let you go or drag you out....

Think that's impressive? Here's a video Terry sent along. Meet Rick Rynearson and his astounding Mitsubishi Eclipse:



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*Claire Wolfe is a libertarian author and columnist. Her favorite topics are hometesting, firearms, homeschooling, open source technology, and opposition to national ID and the surveillance state. Wolfe's books include such titles as [101 Things to Do 'Til the Revolution](#) and [I Am Not a Number!](#). Wolfe also writes or has written for a number of magazines, notably [Backwoods Home Magazine](#), [S.W.A.T. magazine](#), and [DGC Magazine](#), which covers electronic, metal-backed currencies.*

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# LASER Graffiti ACTIVISIM

## By Bill Domenico

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# LASER *Graffiti* ACTIVISIM

Our Laser projector receives a  
Power Upgrade



**LIBERTY**  
**TOO BIG TO FAIL**

Banners are nice for spreading the message. We made 350 Ron Paul banners for the primary in New Hampshire. But what do you do when there is nowhere you can place a banner? When you need to reach out and touch someone. Why not try a laser graphics projector?

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**WHAT DETAILS WILL BE REVEALED?**

The purpose of this article is to give an overview of our laser projector power upgrade and offer the reader some actual video of real world results showing the projector in action. Last year the laser appeared as shown in the picture above. All components fit nicely into the housing. The significantly larger volume of the new laser made it impossible to fit everything into the existing case. Rather than start from scratch with a new case, I got a little extreme and simply added an aluminum base plate extending out the front for the laser head. The large power supply is now mounted externally to the top cover. A couple of new holes were needed to route the additional wires and BAM, the laser projector has now become a seriously capable tool for spreading the message.



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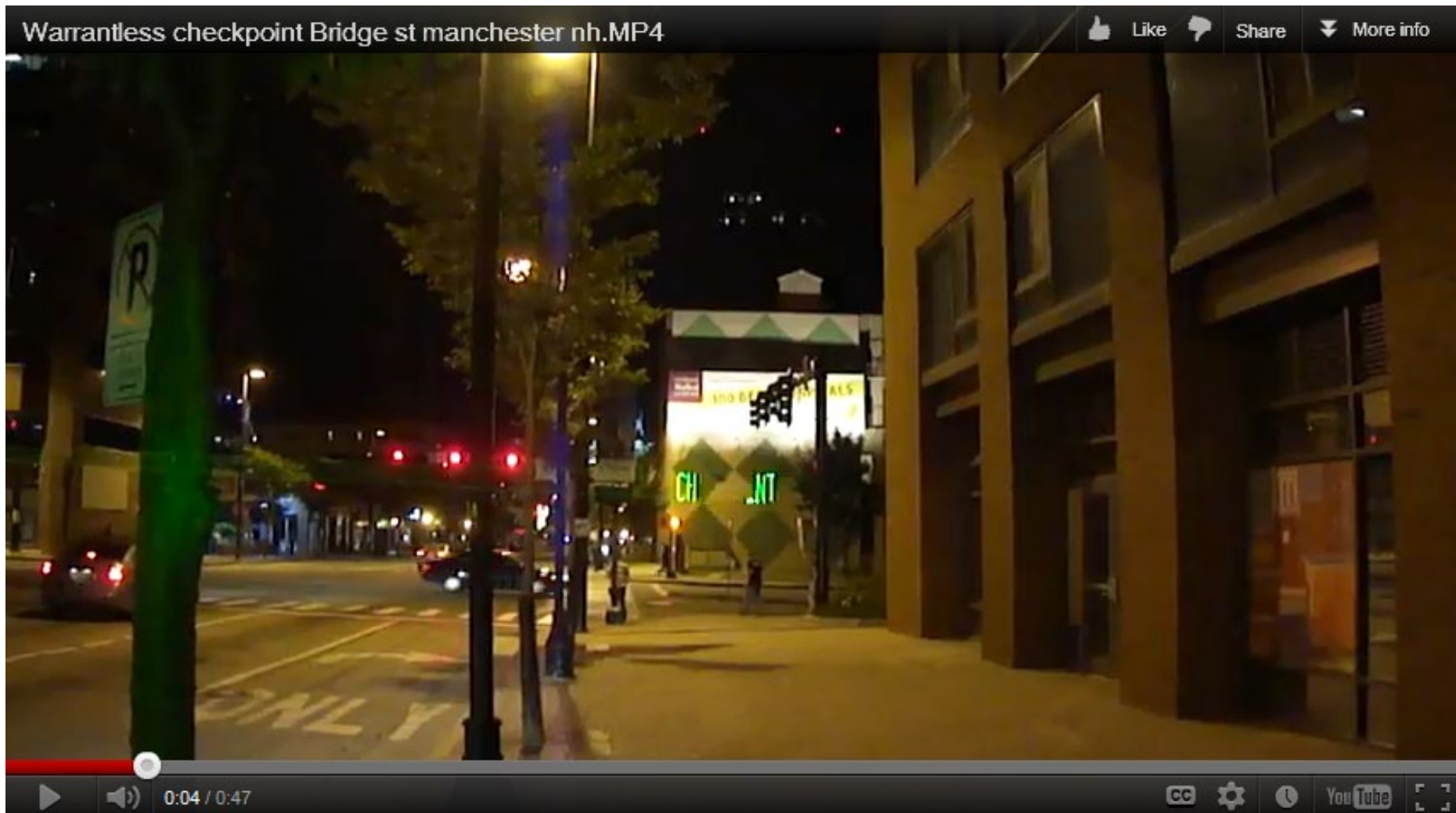




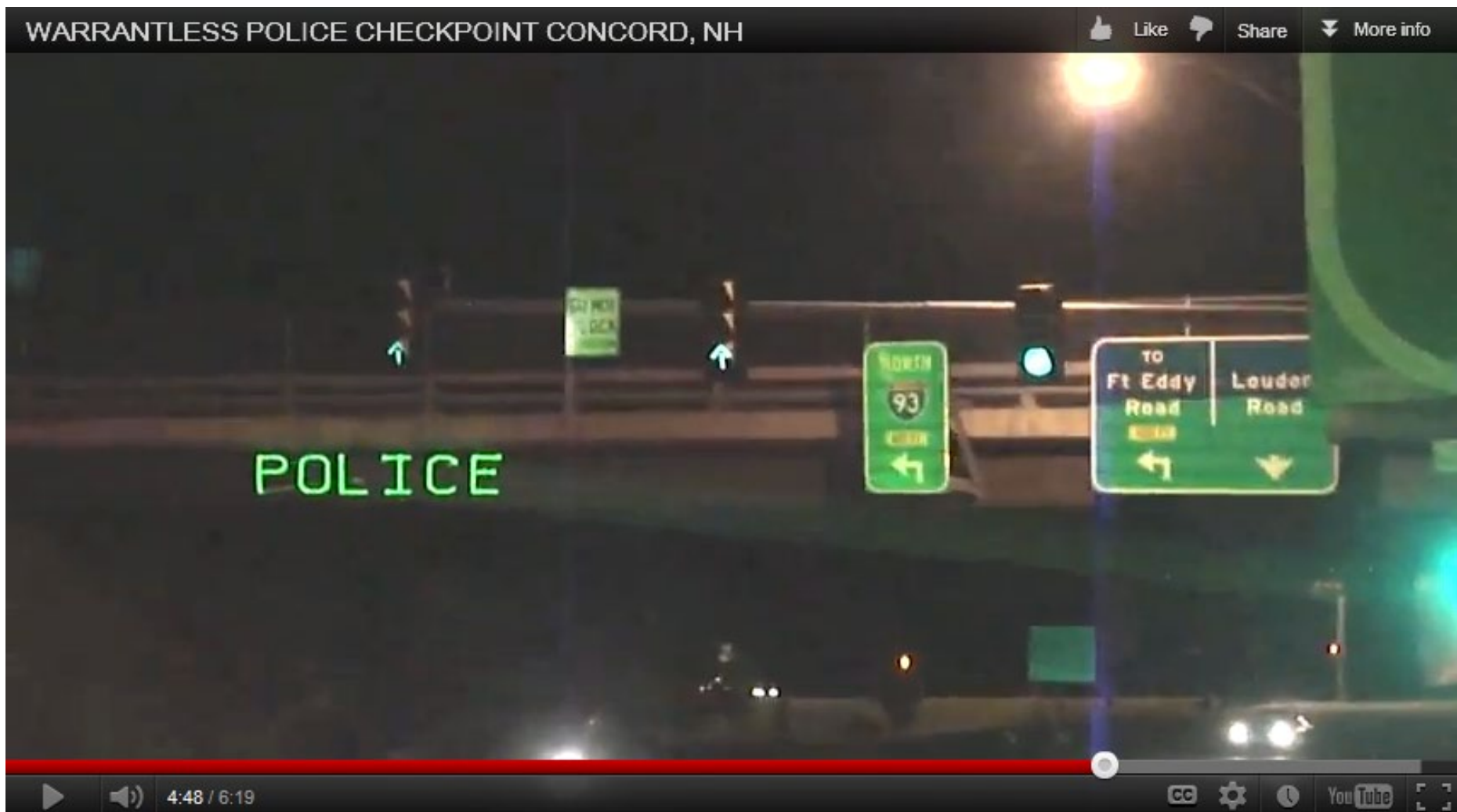
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Laser at Checkpoint in Manchester, NH Video:



Laser at Checkpoint in Concord, NH Video:



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Laser for RON PAUL at arena in Portland, ME Video:



Ron Paul on bank building in  
Manchester, NH (Video):



Laser for Ron Paul on billboard in  
Manchester, NH (Video):



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Continued from Page 45 - LASER Graffiti ACTIVISIM



USB Controlled Laser Graphics Projector provides an opportunity to “reach out” with your message. Property friendly guerrilla graffiti is a reality.

#### WHAT'S IN THE BOX?

The photo at right shows the cover removed and the main components labeled. A quick operating description is in order. The 532nm green laser projects a beam onto the lower x-axis galvo mirror. This mirror is at a 45 degree angle to the beam and reflects the beam to the upper y-axis galvo mirror. The upper mirror is also at 45 degrees which “turns” the beam and projects it out the front of the enclosure. The mirrors are low mass, highly reflective and capable of being positioned by the galvos at up to 30,000 points per second. (30K PPS) The galvos are controlled by the X and Y axis drivers. They receive their signals from the DAC (Digital to Analog Converter) and provide a precise and repeatable voltage to the galvos. During scanning, the DAC also turns the laser on and off as required in order to eliminate stray lines between characters. This is called “blanking” and is handled in software. The DAC receives its commands via USB from the laser software running on your computer. You simply type text into the GUI and click start. The galvos will move as required to create the text. Your message can now be seen several hundred feet away. It's that simple!



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Continued from Page 46 - LASER Graffiti ACTIVISIM



WHAT YOU WILL NEED and WHERE to GET IT.

ITEM	DESCRIPTION	P/N	PRICE
1.	Enclosure:	PAC TEC, CL400	\$51
<a href="http://www.pactecenclosures.com/product-detail.php?productid=55&amp;seriesid=44&amp;classid=26">http://www.pactecenclosures.com/product-detail.php?productid=55&amp;seriesid=44&amp;classid=26</a>			
2.	DAC	FRAME STREAMER 2.0	\$200
3.	LASER SOFTWARE	NLS 1.7	Free
Hardware and Software, <a href="http://www.ctrnd.com/NormLaserShow/FSX20.htm">http://www.ctrnd.com/NormLaserShow/FSX20.htm</a>			
4.	GREEN LASER, 1000mW Meierlight or Equivalent		\$900
5.	GALVO KIT, 30K	Space-LAS	\$244
Includes: X & Y Galvos, mount and Drivers, show card, 24VDC power supply, cables			
6.	Misc. Hardware, Including: Aluminum plate, laser mounting bracket, fasteners, handles, fans, switches, wire etc.		

Purchase you own “GREEN BEAM” laser projector for “spreading the message” with text and graphics. Complete, ready to use projector availble for \$1500.00 from [freedom@resunltd4u.com](mailto:freedom@resunltd4u.com). Send message for order details. You supply laptop and tripod. Thanks for your support.

SAFETY CONSIDERATIONS and REGULATORY NOTICE

**WARNING: DO NOT SHINE LASER AT AIRCRAFT, MOTOR VEHICLES, BOATS OR LAW ENFORCEMENT!**  
 Laser products described in this article are considered “OEM” components and the purchaser is responsible for properly assembling and installing the components into a finished product that, if entered into commerce, is in compliance with all laws and regulations. For additional information about regulatory compliance, visit the FDA website at <http://www.fda.gov/drugs/guidancecomplianceregulatoryinformation/default.htm>

RON PAUL REVOLUTION 2012





# The Revolutionary Impact of Social Media

By Jeffrey Tucker

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TROPICAL storm Isaac hit New Orleans with predictable power outages and danger all around. Several commercial establishments are rather famous for somehow enduring in the midst of these and still providing essential goods and services. WalMart is one. Another is Waffle House. This restaurant is usually open 24 hours a day, famously serving traditional American breakfast food anytime of the day or night. They prepare for storms with generators, bottled water, and plenty of ingredients on hand. They are the masters of disaster preparedness.

Still, there is a problem. How do people know which ones are open? This is where Twitter played a huge role during Isaac. The Waffle House feed was providing constant updates so that people could know where to get food and water. As soon as a restaurant came back up, it tweeted this out to its 20,000 plus followers. In Twitter style, these tweets were retweeted to people's circles and reposted in various other places, as well as being sent in email. Within literally seconds of re-opening, all people in need had a means of finding out.

*Viola*, life is better than it otherwise would be.

Social media like Twitter has fundamentally changed the way information is distributed. Even those who do not use such services benefit. In a typical case these days, students in high schools walk around with their smart phones. They have assembled networks from within the school, and these networks extend to other networks.



These days, nothing takes place at the local high school that is not easily known by everyone, even without a rumor mill. The third stall in the men's bathroom on the second floor is gross? It's tweeted. The rolls at lunch are hard? Tweeted. Substitute teacher in geometry? Tweeted.

It all seems trivial...until suddenly it's essential. The Arab Spring might not have happened were it not for social media. How many lives were saved because people were alerted to killer police before the police actually got there? Revolutions are being plotted all over the world this way. People are forming communities, bypassing gatekeepers to associate with each other based on particular interests. Each account is

slightly different. Social media is both individual customizable and social conscious. It grows organically based on use.

Such tools were unthinkable in the age of total government control. They have changed everything. The information power is now in the hands of individuals, and these people are being given the essential tool -- information -- that allows the people to outwit the planners in government and authorities of all types. This information is working every minute to shape, mold, and grow institutional structures of resistance and revolution.

What an astonishing blessing this is for human freedom. But it didn't happen by accident. Each tool of social media began as an entrepreneurial venture. The goal was to serve people by giving people what they want and need. They succeed or die based on whether they work to accomplish the end in view.

Of all social media on the Internet, LinkedIn is the least splashy. A movie will never be made about this tool. It has introduced no new words into our vernacular. The teen crowd doesn't download the app. But if you measure these technologies and Web tools by the positive ways they have changed lives, LinkedIn deserves to be listed way up top. It is sheer genius.

People talk all the time about updating their profile, people they've met through the network, how they have found new positions by using it, how they are fielding applications coming their way, and more. Of course people talk about it nonchalantly, as if it is just part of life. Not so. It is a singular thing in the history of the world, a tool for jazzing up the the labor marketplace in a way never seen before.

LinkedIn is many things and offers many services: a global "water cooler," a universal job bank, a method of learning from experts, and more. It has more than 130 million users in 200 countries, with two new users per second. It is the 12th-most-popular site in the entire world. The company went public in May 2011 (LNKD), and remains profitable today.

But I suspect that its main benefit has not really been openly noted.

LinkedIn has solved a problem that has vexed people since the beginning of time: the problem

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of being trapped in a job that undervalues your services. Maybe that doesn't seem like a big deal, but in terms of the actual quality of life for hundreds of millions of people, this is a daily soul-killing disaster. LinkedIn is the liberation.

Had LinkedIn been around in the 19th century, people would have laughed derisively at Karl Marx with his prattle about the need for frenzied revolution. The workers of the world didn't need to expropriate the expropriators or establish the dictatorship of the proletariat. All they really needed was a well-constructed web-based networking tool.

You might say: "This is ridiculous, since there is no slavery. Everyone chooses to work in a particular job. There is no gun at anyone's head. It's all based on mutual agreement."

All that's true enough, but the problem is subtler than that. Most employers can't help but regard any employee on an active job search to be something of a traitor. That's an unfair attitude, and bosses know this, but it is just the way things are. Hiring these days is a big headache, and it extracts large upfront and ongoing costs. To recoup them, employers have developed unreasonable expectations of their employees.

And here is the problem: Labor mobility is very difficult to put into practice in real life. How do you get your application out there without letting your current employer know that you are looking around? How can you use the capital and skills you have accumulated in your current position to upgrade to a new position with a different firm, without using your boss as your reference? How can you shop for new jobs and go for interviews without letting anyone in your social network know, for fear that your aims might get back to the boss?

It is even a problem dressing up for interviews. You come back to the office and people wonder where you have been so you have to lie and say you went to a funeral. Or you take a sick day and have to make up some tale about a 24-hour bug. This is all rather ridiculous!

And if you can't actively search for a new position, how can you actually achieve professional advancement?

These are truly awful problems that end up locking people in positions they don't like but offer no way out. It restricts labor mobility. People get trapped. Fearing the reaction within the firm of looking outside the firm, people begin over

time to block out the outside world. They secretly wonder if they are actually overpaid and worry about testing their wares on the job marketplace.

As a result, they are tempted to turn their attention to other things, figuring that jobs shouldn't be happy or fulfilling; they are just supposed to pay the bills. The result is internal stagnation, and if many people feel this way, this sorry attitude begins to spread throughout the firm. You can end up with a whole building filled with quietly disgruntled and fearful employees, sort of like the pathetic scenes we see in *The Office*.

In the early days of the Web, there were, of course, large job marketplaces out there, and there still are. But they were limited because they were for those who had self-consciously decided to look for a job or look for an employer.

There is no real reason to be on them otherwise. As we know, that's not how real networking and good hiring takes place. Great jobs are often the result of a long process of experience and knowledge.

Thus the genius of LinkedIn: it permits you to stay constantly on the job market — cultivating a network — without seeming to be disloyal to your colleagues and managers and bosses. It is a completely unobjectionable thing to put your name up here. And because LinkedIn allows you to create networks based on your current employer, it is even seen as a benefit by your firm. It suggests that you care about your job and are happy to have it be part of your public identity.

If John Doe works at FastCompany, that appears by his name and serves as a kind of advertisement for the company itself. Other employees at FastCompany link up this way, too, so that the whole office can use this as a platform for communication, and even discussion. Yet your profile can be public, and you can send the link out to prospective employers. They can see what you are doing and why you are valuable — and you can do this without ever alerting your present employer that you are somehow looking around.

And then, if you change jobs, it is merely a matter of a few clicks. Your institutional affiliation changes, but the network capital you have built up is wholly retained by you. Your value is yours and it is portable. This encourages every worker to have a better understanding of himself or herself as a self-managing individual firm. You are not part of a collective. You are an individual

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enterprise unit, offering services in exchange for money — exactly how market theory posits it should be.

It's a simple solution to a mighty problem — simple in the sense that truly brilliant solutions are obvious once they are stated.

The company opened its doors in 2003 — not even a decade ago! It was founded by Reid Hoffman, along with executives from PayPal and [socialnet.com](http://socialnet.com). Hoffman is an interesting guy in his own right. His background is in philosophy, and he was ascending the academic career ladder through his training at Stanford and Oxford.

One day, Hoffman realized that he didn't want to spend his life writing books that "50 or 60 people read." He wanted to have more impact on the world. In a digital age, this meant developing new and better tools to improve people's lives.

He got to work on solving this universal human problem. And it worked.

And contrary to the popular perception that social media is goofy and that the main purpose of technology is to push more gizmos, LinkedIn really has improved people's lives and transformed the nature of the job and employee hunt. It has worked to dramatically reduce the information asymmetries that exist between buyers and sellers in the labor marketplace.

Now, let's turn to a political point. Think of all the politicians who, for many decades, have claimed to have some great program for improving the lives of workers, making labor more mobile, helping to link up employees with employers. All of this is standard fare on the campaign trail. How many hundreds of billions have they spent? And ask yourself: How many of the zillion programs these people have created have you used? None? Thought so.

What's more, these programs actually have the opposite effects of their advertised benefits. Government intervention in labor markets has entrenched unemployment by raising the costs of hiring, raising the floor for job entry, forcing businesses to provide benefits that make jobs sticky in ways they shouldn't be.

With LinkedIn, we have entrepreneurs and private capital coming together to provide an amazing service that directly improves lives, one by one, every day and more each day. A takeaway political lesson: If you really want to do something dazzling, stay out of politics and find a way to do something wonderful in the commercial world. This is the path to human liberation; this is the path to true progress for humanity.


practice of liberty in the digital age is precisely why the Laissez Faire Club was founded. It is like the old-fashioned neighborhood book group -- the one that inspired you to read so that you could talk the talk -- except in a geographically non-contiguous space that only the digital world can create.

Founded only in March of 2012, the Club has already inspired the creation of new books ([A Beautiful Anarchy: How to Create Your Own Civilization in the Digital Age](#), for example) and made possible the distribution of more than two dozen important writings that inspire deep learning and the serious embrace of liberty as a human right and practical reality. The Club covers economics, politics, philosophy, history, and law, and brings together people from all over the world who love these ideas, so that we can share interests and learn from each other.

In this way, the Laissez Faire Club fills a huge gap. Millions of freedom lovers all over the world find themselves searching randomly through come-and-go institutions, browsing random texts, and feeling generally lost and looking for answers. The Club organizes people and ideas in a way that is accessible to people and provides that crucial ingredient to inspire serious learning: the inspiration you need to dig in and dig deeply.

The Club is still in Beta but we are building it out by the day with new texts, applications, and services. We started this with a commercial motive in the best sense: we wanted to create a mutually beneficial exchange relationship between what was once a traditional publisher and a new generation of consumers. In the same way that LinkedIn, Twitter, and Facebook fill unique niches in the commercial marketplace, so it is with the Laissez Faire Club.

Membership is ridiculously cheap at \$10 per month, and, with that comes the full archive of books, including books by Henry Hazlitt, F.A. Hayek, Hans Hoppe, Murray Rothbard, Wendy McElroy, and so many more. I make films about each book and we discuss the books as members.

This is the future of freedom in the digital age. There are no more limits to what we can do in time and space. All we need is the creativity to try spectacular things and the drive to provide services that people can use to make an end run around the barriers that government have erected to keep people apart. The walls are falling. Everytime we connect with someone without asking permission of our masters, we are contributing to the solution. 

*Jeffrey Albert Tucker is the executive editor of [Laissez Faire Books](#). He is past editorial vice president of the [Ludwig von Mises Institute](#) and past editor for the institute's website, [Mises.org](#). Tucker is also an adjunct scholar with the [Mackinac Center for Public Policy](#) and an [Acton University](#) faculty member.*



What freedom lovers have really lacked is a dedicated home for socializing and learning within the same sort of customizable space that social media provides. To unit a love of liberty with the commercial

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# Heavy Metal Toxicity Raises Your Risk of Electromagnetic Sensitivity

By Dr. Mercola

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ELECTROMAGNETIC fields (EMFs) are all around us, no matter where you live these days. They emanate from power lines, televisions, household electrical wiring, appliances and microwaves.

They come from cell phones, cell phone towers and wireless Internet connections.



It is estimated that 3-8 percent of populations in developed countries experience serious electrohypersensitivity symptoms, while

35 percent experience mild symptoms, according to Dr. Thomas Rau, medical director of the world-renowned Paracelsus Clinic in Switzerland.<sup>(1)</sup>

There are a number of factors that influence the degree to which you may be affected by EMFs.

For example, your body weight, body-mass index, bone density, and water and electrolyte levels can alter the conductivity and biological reactivity to EMFs. Heavy metals in your brain also act as micro-antennas, concentrating and increasing reception of EMF radiation.

## How Heavy Metal Toxicity May Make Electrohypersensitivity Worse

The issue of heavy metal toxicity in relation to electromagnetic toxicity may be one of the most significant. According to Dr. Yoshiaki Omura's research, the more your system is contaminated with heavy metals from silver amalgam fillings, eating contaminated fish, living downstream from coal burning power plants and so forth, the more your body becomes a virtual antenna that actually concentrates radiation, making it far more destructive.<sup>(2)</sup>

And as noted by Theresa Dale, PhD, CCN, NP:<sup>(3)</sup>

*"Heavy metals can weaken our field through their frequency outputs by modulating compatible frequency components of the body resulting in a weakening of the field thereby causing unhealthy biochemical changes. If you have accumulated toxic metals in your brain, and since your brain is an antenna, you can actually receive more cell phone radiation, which in turn can cause the microbes in your system to overreact and create more potent mycotoxins.*

*This can create a never-ending vicious cycle between the microbes and metals in your body and your exposure to electromagnetic fields, which can lead to hypersensitivity. I have seen that a high percentage of illness*

*including chronic infections are caused, and/or aggravated, by electromagnetic field exposure. Then chronic fatigue, fibromyalgia and other chronic pain syndromes can easily develop or worsen."*

Likewise, any kind of metal implants and/or amalgam (silver) tooth fillings will significantly increase reception of microwaves, and the microcurrents from cell phones and other ambient fields. In case you're wondering how to detect electrohypersensitivity, the five most common symptoms are:

1. Skin itch/rash/flushing/burning, and/or tingling
2. Confusion/poor concentration, and/or memory loss
3. Fatigue and weakness
4. Headache
5. Chest pain and heart problems

## Has the Dental Work in Your Mouth Turned You Into a Walking Antenna?

In the guest commentary below, holistic dentist Dr. Lina Garcia expands on this important, and often-overlooked issue.

By Lina Garcia, DDS, DMD

"When considering the numerous reasons for the increasing prevalence of chronic illness in our society, I think that we should not overlook the possibility that metal-containing dental work, especially titanium implants, could be acting like antennas for the microwave transmissions going on between our cell phones and all of the cell phone towers in our 21st century environment.

I strongly suspect that this is an unrecognized source of insidious stress on our physical, mental, and emotional health. The purpose of this article is to bring awareness to the public of this possibility.

If metal dental restorations – especially titanium implants – are acting like antennas for microwave transmissions from cell phones and cell phone towers, then this would ultimately be a new and insidious stress for the human body. In addition to this new type of stress, it is important to be aware that metal dental restorations and implants have already been shown to cause galvanic and electromagnetic stress for the human body. Galvanic and electromagnetic stress occurs when an unnatural electric current is generated by metal ions interacting with the electrolyte-rich fluid known as saliva.

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The microwave-attracting stress, along with the galvanic and electromagnetic stress coming from metal dental restorations and implants, can certainly affect all people at any age. In my clinical experience, however, women seem to be more affected than men. This seems particularly true for menopausal women, especially when they have titanium implants.

Titanium implants, particularly when combined with other 'toxic teeth' that make up what I call a 'dirty mouth,' are causing sleep disturbances, anxiety and other neurological problems, thyroid dysfunction, digestive problems, heart problems, and other chronic symptoms in a number of my patients.

### High-Tech Stress: The Role of Metal Dental Work

After beginning my research in preparation for writing this article, I drove my car past two big cell phone towers that really made me think about what they were doing. I thought about how those antennas were obviously amplifying my phone reception and clarity, and how they were also transmitting microwaves toward my head as I wore my phone headset.

So I thought about the possibility that metal dental restorations and especially implants, because they go so deep into the living tissue we call bone, can be adding an additional source of 'high tech' stress to our bodies, bodies that are already being 'hammered' with stress from so many other sources. I have never heard any other researcher or health care practitioner make this connection.

The big question is: what is an individual's tolerance to this type of stress? I do believe there are a growing number of people who are finding out for themselves just what the answer is, and it is not likely to be a pleasant experience of discovery.

I recently saw a patient who came to my office after visiting 20 different physicians. This patient had been experiencing what she described to me as "nightly adrenaline rushes," which produced a racing heartbeat that kept her from being able to sleep. Even though this patient told every physician she saw that her symptoms started after having a titanium dental implant put in and worsened after having a second titanium dental implant put in, none of physicians had any interest in considering these implants as the reasons for this patient's persisting problems.

The physicians did a number of 'standard of care' tests but could not find the cause of this

patient's distress. Unfortunately, the only 'treatment' this patient was offered was antidepressants and sleeping pills.

After searching the Internet and other resources, this patient decided to call me for a consultation. The first question I asked was, "What had been done to your body before you started having these symptoms?" This patient then told me about the titanium implants and root canals done around the same time that the second implant was put in. I further learned that this patient had a long history of extensive dental work, including mercury-amalgam fillings, metal crowns, porcelain-fused-to-metal crowns, root canals (which sometimes have metals in them), and a permanent metal retainer.

Adding the titanium implants and another root canal certainly could have pushed this patient into the seriously imbalanced state of being she was experiencing. Adding to this the insidious stress of the implants picking up microwave transmissions from cell phone towers could have caused this patient's body to get stuck in a state of 'fight or flight' stress response. Her symptoms were certainly a strong indication of this.

After I removed her mercury-amalgam fillings and her permanent metal retainer, she experienced a lessening of her symptoms. I expect that she will see further improvement after the removal of her titanium implants. Despite this patient's extensive medical workup with supposedly qualified physicians, none of them even considered the connection between her present illness and her extensive dental work.

### Are Metal Implants Truly Safe?

When considering whether metal implants will be safe for us or not, I believe it is prudent to acknowledge the reality that we are already exposed to many stressors in our environment, from the toxic chemicals and metals in our air, water, and food supply, to insidious sources of radiation and microwaves coming from the ever-increasing number of cell phone towers.

Plus, we struggle to balance the ongoing stress of our jobs and the challenging relationships that seem to be part of everyone's lives. And now it is becoming common for Americans to have somewhere between three to five titanium implants imbedded into their jawbone, just a few inches from their brain.

It is enough of a stress for the body to deal with root canals, mercury-amalgam fillings, metal crowns, and porcelain-fused-to-metal crowns

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(which are mostly metal). These are obstacles to healing that one's body would have to overcome in order to maintain balance, or what is medically called homeostasis. Putting titanium implants into the mouth of someone who already has other toxic teeth can push that person even further away from balance and towards an increased susceptibility for disease.

Even if your mouth has no implants, root canals, metal crowns, porcelain-fused-to-metal crowns, or mercury-amalgam fillings, your body still needs to adapt to all of the microwave-transmitting cell phone towers and other environmental stressors.

Humans are made up of different layers – different energy fields – including bioelectrical fields and musculoskeletal fields. It takes time for the different layers of our being to adapt to all the changes going on in our environment.

Conventional dentists and their patients think it is 'normal' to keep adding titanium implants without considering how the whole body will be affected or understanding the dynamics between the implants, the body, and the outside environment. It will certainly be very valuable to your good health to be aware of all these factors.

Finding a dentist who truly practices with holistic awareness, along with taking some responsibility for educating yourself about the dental treatments you may be having, will help you make the right choices for your overall and long-term health. You will avoid creating more stress for your body, especially your immune system, and decrease your susceptibility to disease.

We have only one body to live this life -- one body to be the home of our spirit. If you don't take care of your body – where are you going to live?"

### **Tips for Finding a Biological Dentist and Reducing Your EMF Load**

For more information about electrosensitivity, Electrosensitivity U.K. published a terrific primer explaining this condition <sup>(4)</sup> containing over 800 scientific and medical references, written and compiled by Michael Bevington, chairman of the trustees of Electrosensitivity U.K.

If you are interested in speaking with a biological dentist about having any metal dental work removed, it's imperative that you find an experienced professional. Knowledgeable biological dentists can be hard to come by, so start your search by asking a friend, relative, neighbor, or inquire at your local health food store. The following links can also help you to find a mercury-free, biological dentist:

- [Consumers for Dental Choice](#)
- [International Academy of Biological Dentistry & Medicine \(IABDM\)](#)

- [Dental Amalgam Mercury Solutions \(DAMS\)](#). E-mail them at: [dams@usfamily.net](mailto:dams@usfamily.net) or call 651-644-4572 for an information packet
- [Huggins Applied Healing](#). You'll need to fill out a form and they will connect with you to find a suitable dentist in your area
- [Holistic Dental Association](#)
- [International Association of Mercury Safe Dentists](#)

Additionally, you can help to minimize your exposure to electromagnetic radiation from cell phones and other wireless devices by heeding the following advice:

**\*Children Should Always Avoid Using Cell Phones:** Barring a life-threatening emergency, children should not use a cell phone, or a wireless device of any type.

**\*Reduce Your Cell Phone Use:** Turn your cell phone off more often. Reserve it for emergencies or important matters. As long as your cell phone is on, it emits radiation intermittently, even when you are not actually making a call. If you're pregnant, avoiding or reducing your cell phone use may be especially important.

**\*Use a Land Line at Home and at Work:** Although more and more people are switching to using cell phones as their exclusive phone contact, it is a dangerous trend and you can choose to opt out of the madness. SKYPE offers a portable number via your computer that can plug into any Ethernet port while traveling.

**\*Reduce or Eliminate Your Use of Other Wireless Devices:** You would be wise to cut down your use of these devices. Just as with cell phones, it is important to ask yourself whether or not you really need to use them as often as you do. And most importantly, do not even consider having any electronic or wireless devices in the bedroom that will interfere with the quality of your sleep.

If you must use a portable home phone, use the older kind that operates at 900 MHz. They are not safer during calls, but at least many of them do not broadcast constantly even when no call is being made. Note the only way to truly be sure if there is an exposure from your cordless phone is to measure with an electrosmog meter, and it must be one that goes up to the frequency of your portable phone (so old meters won't help much). As many portable phones are 5.8 Gigahertz, we recommend you look for RF meters that go up to 8 Gigahertz, the highest range now available in a meter suitable for consumers.

Alternatively you can be very careful with the base station placement as that causes the bulk of the problem since it transmits

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signals 24/7, even when you aren't talking. So if you can keep the base station at least three rooms away from where you spend most of your time, and especially your bedroom, they may not be as damaging to your health. Another option is to just simply turn the portable phone off, only using it when you specifically need the convenience of moving about while on a call. Ideally it would be helpful to turn off your base station every night before you go to bed.

You can find RF meters as well as remediation supplies at [www.emfsafetystore.com](http://www.emfsafetystore.com). But you can pretty much be sure your portable phone is a problem if the technology is DECT, or digitally enhanced cordless technology.

**\*Use Your Cell Phone Only Where Reception is Good:** The weaker the reception, the more power your phone must use to transmit, and the more power it uses, the more radiation it emits, and the deeper the dangerous radio waves penetrate into your body. Ideally, you should only use your phone with full bars and good reception.

**\*Avoid Carrying Your Phone on Your Body** as that merely maximizes any potential exposure. Ideally put it in your purse or carrying bag. Placing a cell phone in a shirt pocket over the heart is asking for trouble, as is placing it in a man's pocket if he seeks to preserve his fertility.

**\*Don't Assume One Cell Phone is Safer than Another:** There's no such thing as a "[safe](#)" cell phone. This is particularly true for industry promoted SAR ratings, which are virtually useless in measuring the true potential biological danger as most all of the damage is not done by heat transfer, which SAR measures.


**\*Keep Your Cell Phone Away From Your Body When it is On:** The most dangerous place to be, in terms of radiation exposure, is within about six inches of the emitting antenna. You do not want any part of your body within that area.

**\*Respect Others Who are More Sensitive:** Some people who have become sensitive can feel the effects of others' cell phones in the same room, even when it is on but not being used. If you are in a meeting, on public transportation, in a courtroom or other public places, such as a doctor's office, keep your cell phone turned off out of consideration for the 'second hand radiation' effects. Children are also more vulnerable, so please avoid using your cell phone near children.

If you are using the Pong case, which redirects the cell phone radiation away from the head and successfully lowers the SAR effect, realize that in redirecting the radiation away from your head this may be intensifying the radiation in another direction, perhaps toward the person next to you, or, if in your pocket, increasing radiation intensity toward your body. Caution is always advised in dealing with any radiation-emitting device. We recommend cell phones be kept 'Off' except for emergencies.

**\*Use Safer Headset Technology:** Wired headsets will certainly allow you to keep the cell phone farther away from your body. However, if a wired headset is not well-shielded -- and most of them are not -- the wire itself acts as an antenna attracting ambient radio waves and transmitting radiation directly to your brain.

Make sure that the wire used to transmit the signal to your ear is shielded.

The best kind of headset to use is a combination shielded wire and air-tube headset. These operate like a stethoscope, transmitting the information to your head as an actual sound wave; although there are wires that still must be shielded, there is no wire that goes all the way up to your head. 

Dr. Mercola is the founder of the world's most visited natural health web site, [Mercola.com](http://Mercola.com). You can learn the hazardous side effects of OTC Remedies by getting a FREE copy of his latest special report [The Dangers of Over the Counter Remedies](#) by going to his [Report Page](#).



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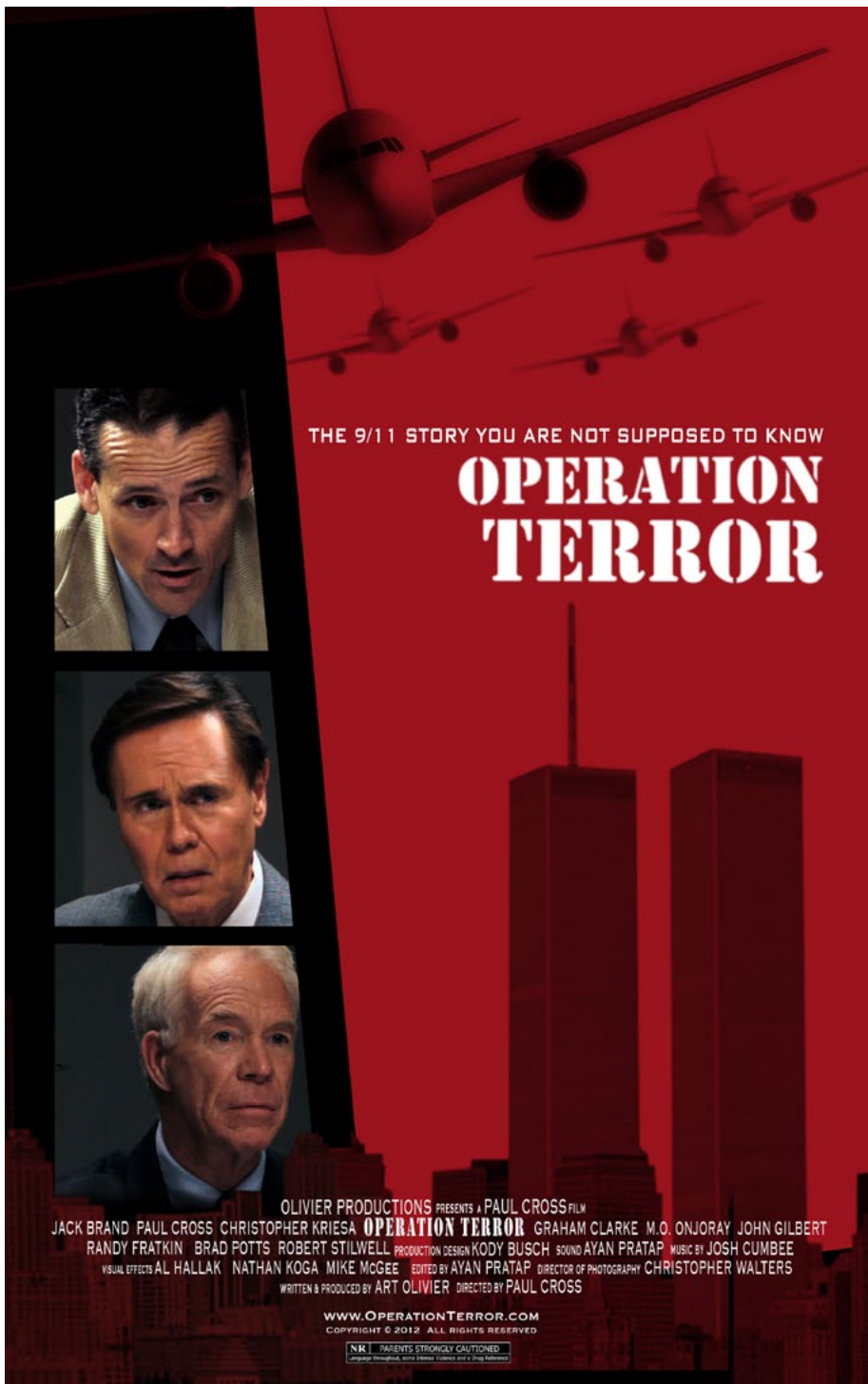
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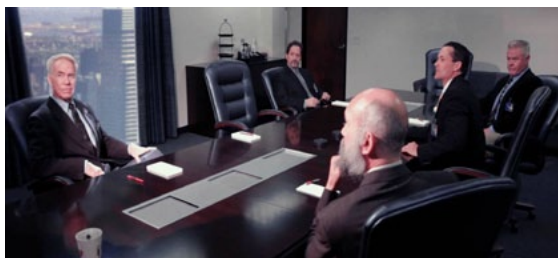
# Operation Terror is the 9/11 Story You Are Not Supposed to Know

## By Art Olivier

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JAMES McCullough from the mysterious 'Council' explains to CIA agent Aaron Delgado that the United States has a military that is greater than the rest of the world combined, yet petty dictators decide who controls the oil. “We need to use our military might to take that oil. America’s grand strategy should aim to preserve and extend our military advantage as far into the future as possible. The problem is the pacifist mindset of the American people. To wake them



up, we need a catastrophic and catalyzing event – like a new Pearl Harbor.”

McCullough assigns Delgado to wake Americans up with an attack on the World Trade Center and the Pentagon and then pin the blame on Muslim Terrorists.

Michael Goldberg, a Hollywood film writer, presents Delgado and his team with a script about Muslim terrorists that attack America. Goldberg explains that the people can always be brought to the bidding of the leaders. “That is easy. All you have to do is tell them they are being attacked and denounce the pacifists for lack of patriotism and exposing the country to danger. Our terrorists will attack the three pillars of American democracy; commerce, the military and the government.”

Delgado and fellow agents, Phillip Singer and Chase Jordan, work with a group of unsuspecting engineers to develop unmanned jets to hit their targets. Horace Humphrey from the Defense Contract Management Command sets up the agents with the engineers from Grayton Castle, a major defense contractor that developed the avionics on the Predator, an unmanned aerial vehicle. George Poole, the Vice President of Electronic Systems, Harvey St. Claire, the Director of Electronic warfare program management and Walter Knox, an expert on Electronic Systems develop the guidance systems that are used on the drones. George Poole becomes skeptical about the project and becomes frustrated in trying to get answers on how the remote controlled planes will be used.

Delgado is challenged in keeping the attack secret as the plot starts to unravel.

The Defense Intelligence Agency develops a data-mining operation called Able Danger that identifies some of the patsies that the CIA agents are using. Delgado leads a team in a raid on Orion Scientific Systems, the data-mining contractor, to take all of their data.

FBI agents in Minnesota arrest one of the patsies, Zacarias Moussaoui, at a flight school. Delgado is enraged at Dave Francini, the Chief of the FBI’s Radical Fundamentalist Unit, for not stopping the arrest. When Minnesota FBI agent Sam Hall tries to get a warrant to search Moussaoui’s belongings, Francini forcefully puts a stop to it.

Dick Cheney leads the Energy Task Force meeting explaining to the oil company executives that America will soon have more influence in Iraq. Each executive gets a map of Iraqi oilfields, pipelines, refineries and terminals, as well as two charts detailing Iraqi oil and gas projects, and Foreign Suitors for Iraqi Oilfield Contracts.

Delgado meets with Cheney to explain all of the diversions and operations that will

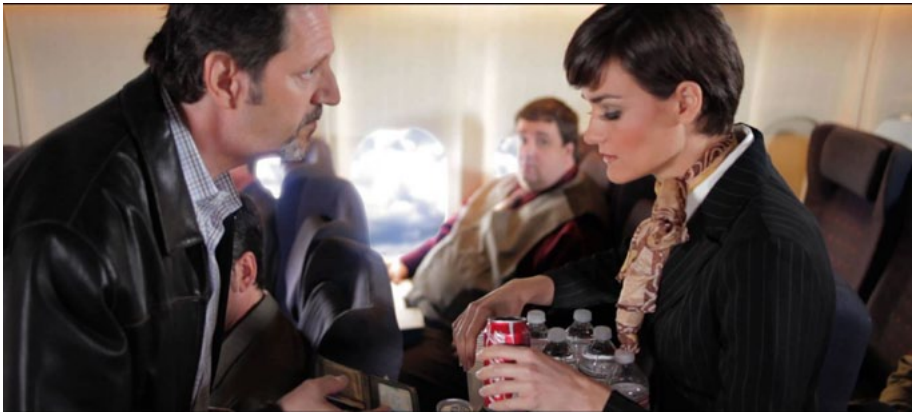


take place on September 11th. They include Operation Northern Vigilance that will move east coast fighters to Alaska and Canada, Vigilant Guardian that will simulate hijacked planes in the northeast and Amalgam Warrior that will have real planes pretending to be enemy aircraft. An emergency evacuation drill will take place at

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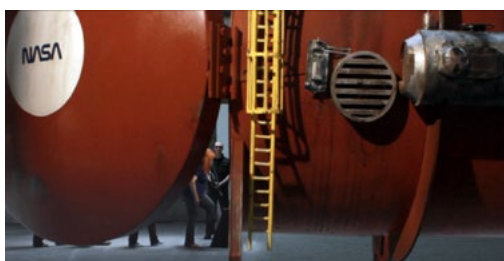


the National Reconnaissance Office and FEMA will have a bio-warfare exercise in Manhattan so they will be ready to secure the devastation at the World Trade Center on the 11th.

The Vice President's Chief of Staff tells Delgado that the President is going to issue an Executive Order to put the Vice President in charge of the Office of National Preparedness so he will be able to coordinate the DOD, Justice, Energy, the EPA, and FEMA.

The Securities and Exchange Commission gets ready to indict Credit Suisse, Goldman Sachs and Morgan Stanley for the IPO stock kickbacks. James McCullough has all of the IPO investigations consolidated into World Trade Center Building 7 and instructs Delgado to destroy the building on 9/11. Delgado expresses his concern over not having another drone to hit the building. McCullough insures him that he will just have the 47-story skyscraper destroyed by terrorists ignored by the media.


As the attack is initiated, Delgado becomes incensed that the media is not as controlled as he was promised. CNN's Jamie McIntyre reports that there's no evidence of a plane having crashed anywhere near the Pentagon. A local FOX photographer tells on air that there was nothing that could distinguish a plane had crashed in a field in Pennsylvania. He says there is only a hole in the ground about 20 to 15 feet long and probably about ten feet wide. The Mayor says on ABC that he was told that the World Trade Center was going to collapse and a witness reported the explosions in Building 7. The BBC reports on the collapse of Building 7 while the building is still standing behind the reporter. After the collapse, Dan Rather states it is reminiscent of



a building that was deliberately destroyed by well-placed dynamite to knock it down.

Convinced that he has failed his mission, Delgado is summoned to McCullough's office to learn his fate.

Although most of the perpetrators in the movie are fictitious characters and the names of the victims have been changed, the story is based on actual events. The news accounts are re-enacted word-for-word. A scene that takes place in the Presidential Emergency Operations Center at the White House is played out exactly how Norman Mineta, the Secretary of Transportation, describes it.

A gripping battle between good and evil keeps the viewers engulfed throughout the movie, as the plot to attack America becomes a hard-hitting reality. 

*Former Libertarian Vice-Presidential Candidate, Art Olivier has turned filmmaker. Not straying far from his political roots, which also include a California governor run and a stint as Mayor of Bellflower, Art's first feature film is a political thriller. [OPERATION TERROR](#), the 9/11 story you are not supposed to know, was both written and produced by Mr. Olivier. For director, Art chose an award-winning political documentary filmmaker who's credits include FOLLOW THE LEADER starring then President George W. Bush and other notable republicans.*

*Art's freshman film has already garnered one award, inclusions in 4 prestigious film festivals, and a glowing review by the legendary G. Edward Griffin of "Creature from Jekyll Island" fame! Griffin noted: "Operation Terror is a top quality drama that is both entertaining and disturbing. It tells the story of what many believe really happened on 9/11. Perhaps we will never know if this fictional scenario is true, but it answers far more questions than the official version of that event, and it has the aura of truth about it."*

*[Operation Terror](#) is scheduled to be released  
September 11th, 2012*

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# JURY TAMPERING TRIAL OF JULIAN HEICKLEN

## By Julian Heicklen

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JURY Tampering Trial of Julian Heicklen

### The Arrest

I distributed a jury nullification pamphlet printed by the Fully Informed Jury Association and a flyer of my own at the U. S. District Courthouse in Manhattan, NY on 14 occasions.

My flyer read:

**THE JUDGE WILL INSTRUCT THE JURY THAT IT MUST UPHOLD THE LAW AS HE GIVES IT**

**HE WILL BE LYING**

**THE JURY MUST JUDGE THE LAW AS WELL AS THE FACTS**

**JURIES WERE INSTITUTED TO PROTECT THE CITIZENS FROM THE TYRRANY OF THE GOVERNMENT**

**IT IS NOT THE DUTY OF THE JURY TO UPHOLD THE LAW**

**IT IS THE JURY'S DUTY TO SEE THAT JUSTICE IS DONE**

I was arrested on 11 of these occasions and cited 7 times for violating U. S. Regulation 41 CFR Sec 102-74.415(c) prohibiting distribution of literature on federal property. I did not pay the \$100 fines nor appear for court hearings.



### The Indictment

The U. S. Attorney dismissed all of the cases. Instead he forged a grand jury indictment, with the collusion of the Court and Judge, claiming that I had tampered with a juror and a jury. The Indictment was an obvious forgery. I was not notified of the hearing, so I was not present.

No date for the hearing was given. The filing date on the indictment disagreed with the filing date of the court. Neither the name nor signature of the jury foreman was given, thus making the indictment invalid. During the pre-trial hearings, the defense asked 5 times for the name of the tampered juror, but the U. S. Attorney could not produce it.

According to U. S. Statute 18 USC § 3161 - TIME LIMITS AND EXCLUSION, Section (c), which states that the trial must start within 70 days of the indictment. However Judge Wood dragged out the pre-trial for 17 months to give the U. S. Attorney time to obtain evidence. At least twice the U. S. Attorney had undercover agents pose as jurors in order to entrap me. Both attempts failed. Seventeen months after the indictment, Judge Wood finally dismissed the case.

### The Non-Trial

In the court complaint, the U. S. Attorney claimed that I was violating the law by distributing false information. After I pointed out that the NY State Constitution states, in Article I, § 8: "... and the jury shall have the right to determine the law and the fact," and several Supreme Court cases permit the jury to judge the law as well as the fact, the U. S. Attorney agreed that this is the law, but claimed that the jury must not be so informed.

The U. S. Attorney claims that the plaza in front of a courthouse is not a public forum, so I could not distribute literature there. Then why did he dismiss all the charges for violating the federal regulation? In addition the Supreme Court in U. S. v. Grace 461 US 171,177-178 (1983) stated that the federal property surrounding the courthouse is a public forum, and that



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free speech could not be denied there by either statute or court order.

Furthermore I moved for a jury trial, but it was denied by the judge in violation of Article III § 2 and Amendment VI of the U. S. Constitution. Also five times the defense asked for a list of witnesses and members of the grand jury, but these motions were ignored.

It was 17 months since my indictment, and the government could not produce a witness to testify. I notified the Court On April 17, 2012 that I consider this case to be dismissed, and I no longer will attend court hearings. The Court dismissed the case on April 19, 2012.

Every judge lies to the jury twice. The jurors are not obligated to uphold the law at all if they decide that justice will not be done. Furthermore, if the law is upheld, it must be that written in the statute, not the judge's rendition of it. Because I have exposed all federal judges as liars, my case should not be tried, because there would be no impartial judge. In fact all judges should all be on trial for perjury with the intent to subvert justice.

### Amnesty For Prisoners


No prisoner in the United States has had an impartial legal trial. If they did not have a jury trial, then Amendment VI of the U. S. Constitution requirement for a jury trial was denied to them. If they had a jury trial, the judge tampered the jury by misinforming it of its duty.

Thus in all criminal cases in this country, the defendants were denied a legal fair trial. All

of them should be given amnesty and released from prison immediately.

### People's Tribunal

Heicklen proposes that citizen tribunals should be established to try each of the judges in the United States and punish them for jury tampering, if found guilty. No judge or attorney should be permitted to sit on this tribunal, because all of them have a conflict of interest. They all are guilty, either by direct participation or by condoning criminal behavior of the courts, of which they are officers.

This document can be presented in about 6 minutes of talk. 



*Julian Heicklen is a retired Chemistry Professor from Penn State University. He has been a libertarian activists for many years, has spent countless hours on the steps of court buildings handing out FIJA (Fully Informed Jury Association) information, as well as being an advocate for marijuana legalization. He has been arrested and incarcerated many, many times for his efforts to educate the public of government corruption, and fled to Israel on May 22nd, 2012 as a political exile and was granted Israeli citizenship at customs. Visit his webpage at [TyrranyFighters.Com](http://TyrranyFighters.Com) and [Facebook](https://www.facebook.com/julianheicklen).*

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## Publisher's Backpage

### By Ernest Hancock

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FREEDOM'S Phoenix September 2012 e-Zine Edition encouraged this month's writers to think about how humanity might organize itself if individuals were energy independent.

Individual countries might be able to provide energy for each of their citizens with cheap or even free energy but then the people are dependent on the government for energy. Fifty million Americans are now dependent on the United States government for Food, so you can understand why I anticipate more demands of subsidized and free energy for the masses.

Electronic Debt Cards are administered by large banks like [CHASE Bank](#) and have [been around since the Clinton Administration](#). What many did not know was that these cards could be used for cash withdrawals, trips to strip clubs and the purchase of alcohol and cigarettes. In June of 2012 the Internet was a Flame with the story of a man insisting on being sold cigarettes using his government debit card. [The clerk refused, so she was fired](#).

It was then that I connected a few more dots in my understanding of our enslavement.

This Edition of the e-Zine allows me to introduce you to our project of 2013 that I am very excited about that has been a splinter in my mind for decades but was unleashed by the serendipity of June 2012.

My wife Donna and I traveled the country during the entire month of June and continued to broadcast the radio show from the road looking for 'freedom in an unfree world',... and we found it. Freedom wasn't to be found in any particular place, it's not which American State you find yourself in that most influences the level of freedom you enjoy, it's your state of mind that has the greatest impact.

My pursuit of happiness has included the understanding that happiness is impossible as long as we seek permission to be happy or wait for it to be provided. But what are the important things to understand about the world that would best serve our interests?

I understood that using coercion to redistribute American's wealth so cigarettes could be bought by those that couldn't afford them was at the very least bad public relations for 'government mandated reallocation of American's resources'. So why do it?

The wealthiest people on the planet can only consume so much electricity. By 'spreading the wealth' the American livestock can maximize the consumption of food and power. The products that we are constantly prodded to consume represent a massive amount of electricity. And no matter who wears the Shiny Badges of government, the energy owners get paid and the banks all get their cut of every transaction as well. Scratch the surface and I wouldn't be surprised to find that banking and energy interests are at least as intertwined as they were at the beginning of the electrical age (watch the Tesla documentaries and you'll understand)

At the same time the welfare cigarette story was breaking Donna was driving us through the middle of the country while I multi-tasked the use of my phone and computers. My friend Bob and I were talking on the phone about his doubling his solar panel area due to the great drop in prices for photo voltaic power production and during that conversation the mind fog cleared a little more.

Bob is one of the supervisors in charge of the refuelings at the Palo Verde nuclear power station. And even though he lives less than 10 miles from the power plant, he is totally Off Grid (Solar, Wind, backup Generators, Battery Banks, Water Well, Septic, Satellite Internet & TV and Cell Phone).

Over 8 years ago Bob decided to buy 8 acres of cheap desert land and build a home for his family close to work rather than commute over a hundred miles a day on congested highways that were slowing down at a steady rate. Powering the home site would have cost 20-30 thousand dollars for even a power company employee of a nuclear power station less than 10 miles away to "hookup".

Bob decided to start with a well insulated 2x6 Palm Harbor home that would provide 2600 square feet of quality living space as the foundation for an increasingly self-sustaining life for his family. Sea going shipping containers would provide storage and work space to help with the constructing of various out buildings and improving their quality of life.

Shea Bob (as we affectionately refer to the homestead) required enough solar panels to power the home during the day and charge enough batteries that would be used to power night time needs. Generator backup would provide any additional needs and irregularly power the motors that would pump his large water tanks full of excellent water from his 300 ft. well. Steady power has been generated for almost a decade from an array of solar panels that measure about 6ft. x 16ft.

Wind was an irritant until a used 5ft. windmill was purchased and placed on a 30 ft. pole to augment power production and the charging of lead acid batteries.

Other experiments using solar air heating during the winter months here in Arizona were very promising, but the reduction in solar panel costs provided a simpler solution to various power needs. When solar panels became available at 1/3rd the cost of older and less efficient technology it was time to add more capacity and invest in future electrical needs and future 'quality of life insurance' should hydrocarbon fuels become too expensive or non-existent in the coming Zombie Apocalypse (aka dollar collapse).

By Bob doubling his solar array he was able to wean himself of his Summer time generator that powered his large air conditioner/life support in Arizona's desert for a few months of the year. Two small window units could now be powered to keep the living areas cool without the use of his propane or diesel generators. Now Bob was getting truly self-sustaining.

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Solar power technology is rapidly increasing efficiency but battery technology for home power storage has lagged far behind. Bob was facing his 3rd total battery replacement and knew that the technology available would require another total replacement of storage batteries in a few years for thousands of dollars.

Bob was creating the power that he needed for day operations while creating enough additional power to charge batteries for night time use, but the batteries would soon go bad and require a lot of money for their replacement.

Bob discovered that there was a battery developed over a hundred years ago by Thomas Edison that used Nickel and Iron instead of lead. They had a very interesting history and [powered Electric cars](#) for many years. The batteries were passed from generation to generation and were used in remote areas like mines and railroads heavily until 1972 when the [Exide Battery Company bought Edison Storage Battery Company](#) in New Jersey and promptly discontinued production.

The Internet revealed that a Mid-Western company was reconditioning and repackaging old Edison Batteries and that they were available for sale. Chinese companies were making the batteries new, at a cheaper cost and offering financing via their distributors in southern California... China won.

Another benefit of Nickel Iron batteries is their ability to be discharged all the way down without damaging the battery. 1000 amp hours of lead acid batteries can only be discharged down to 500 amp hours before damaging the storage ability of the batteries in the future. 500 amp hours of NiFe (Nickel Iron) batteries would produce the same usable storage capacity.

Living Off Grid was getting very doable. Remote locations of raw land without utilities are a fraction of the cost of urban areas and a small portion of the savings can be applied to the production of energy.

I'm not going to throw a lot of numbers out since cost are dropping like a stone and each of our needs are very diverse. \$5000 - \$20,000 seems to be the ballpark. There are also many different types of systems that are customized to different climates etc. Government programs abound and there are several tax incentives. But I do need to warn you that solar systems that sell its extra energy back to the grid get only wholesale prices and when the grid goes down so does your access to the solar generated power. The power company switches off your solar power to your house when you need it most due to the threat those solar powered homes would continue to electrify the grid and electrocute power line workers doing repairs. There are methods to allow you to remove yourself from the grid and use the power when you need it most but these options are forbidden, discouraged or not available depending on the program and where you live. We have friends that live near us that have their 1700+ sq ft home set to 75 degrees F during the 115 degree days of Arizona Summers with a \$19 - \$30 electric bill. But if the grid's power went out they would not get a single spark of electricity.

The bottleneck is the battery. Long lasting, durable, energy dense and inexpensive batteries are waiting to be developed to help change the way humans live across the entire planet... and I suspect that They/Them/Those that benefit from

our being herded into cities know this. I have been following [Energy](#), Battery and Super Capacitor development on Freedom'sPhoenix for several years and a pattern has become apparent to me.

Eisenhower's final farewell speech wasn't really focused on the Military Industrial Complex as much as on the threat of a "danger that public policy could itself become the captive of a scientific-technological elite". The Military Industrial Complex seemed to be a side effect of technologies developed with the use of individual American's resources but with the goal to serve the interests of The State rather than the interests of the individuals that made the developments possible in the first place.

Years ago a YouTube on Anti-Gravity research sparked a memory of a science article on experiments that were confirming an Anti-Gravity effect predicted by Albert Einstein. Then the planet was scrubbed clean of the research and the university researchers responsible for it vanished. And I've seen this pattern over and over. I wrote about my observations in a popular Freedom'sPhoenix article over 4 years ago. [The Secret to True Anti-Gravity Revealed](#).

While Bob and I passed the time getting caught up on his new developments at Shea Bob (aka 'Moonbase Bob') I was doing Internet research.

Since the publication of "[Buckyball – Magic Molecule for New Materials](#)" in Popular Science in August 1991 I have encouraged my children to make career choices based on my opinion that the future will be very different based on these discoveries. In "The Graduate" with Dustin Hoffman the main character was advised with one word as he graduated from college in the late 60's... "Plastics". Well, I have a word for Generation Next... "Nanotubes".

The interest at the moment that I have with nanotubes as they apply to the production of high density battery storage is there size... nano = very very small (billionth of a meter).

I wondered out loud to Bob on the line if there had been any research on increasing the surface area of Nickel Iron batteries by plating the nanotubes with nickel and iron. Nanotubes are a thousand times more conductive than copper wire, many times stronger than steel, flexible and have many other traits. But I was interested in their conductivity and the massive surface area they promise.

You may have experienced an advertisement that detailed how much surface area an activated charcoal water filter has to purify drinking water, "This small filter has over 3 acres of filtering surface area...". The smaller the particles, the greater the surface area. So instead of a plate containing the Nickel (cathode) and a plate for the Iron (anode), what if you could have a cell that was like a small kitchen sponge made of pure nanotubes or nanotube thread spooled that would be electroplated with atoms of Nickel and Iron. So I searched - Nickel Iron Nanotube.

Two days before I looked Stanford University reported on their University news site the research detailing the answer to my question. [Stanford scientists develop ultrafast nickel-iron battery...](#)

*"To improve the Edison battery's performance, the Stanford team used graphene – nanosized*

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*sheets of carbon that are only 1-atom thick – and multi-walled carbon nanotubes, each consisting of about 10 concentric graphene sheets rolled together.*

*"In conventional electrodes, people randomly mix iron and nickel materials with conductive carbon," Wang explained. "Instead, we grew nanocrystals of iron oxide onto graphene, and nanocrystals of nickel hydroxide onto carbon nanotubes."*

*This technique produced strong chemical bonding between the metal particles and the carbon nanomaterials, which had a dramatic effect on performance.*

*"Coupling the nickel and iron particles to the carbon substrate allows electrical charges to move quickly between the electrodes and the outside circuit," Dai said. "The result is an ultrafast version of the nickel-iron battery that's capable of charging and discharging in seconds." “*

Driving across country for another week on our return trip home I had time to do some more research. What I discovered didn't surprise me. My generation waited impatiently for the development of [Space Travel and Exploration](#) by individuals for decades. In June of 2004 it was made clear to the world that there was to be no more waiting,... and several of us were there. Made the signs and got the t-shirts.

In 1984 a new form of Carbon was detected and almost 30 years later we are barely out of the laboratory. I'm not waiting anymore... I know better.

I remember reading the Buckyball article and thinking how easy it was to create this miracle substance and my imagination soured as I did my best to inspire my children to “think big” (my two sons are both machinists for the past 6+ years at a large aerospace manufacturing company and still in their mid 20's... I think I might even get some professional help :)

Within hours I understood several things,... Nickel Iron batteries (and other types) would benefit enormously from nanotube technology. Simply... imagine an internal battery plate that is shaped like a playing card... now imagine the same space taken up with billions of nanotube fibers. Now imagine a car starting battery the size of a stick of gum, and a house sized spaceship with an electrically conductive skin (shields up Captain) that is thinner than a hair, resists meteors and weighs less than your smartphone. Remember the foil that couldn't be cut or torn that was claimed to have come from the [Roswell, New Mexico UFO](#) site in the 50's?... that kind'a stuff.

Freedom's Phoenix allows us to create new categories and even parallel site Special Editions for special projects so that we can fully benefit from a totally Open Source Project on whatever interests us. [FreedomsPhoenix Battery Project](#) is where we started to accumulate Internet research and will later create a Special Edition where we will chronicle our research and experiments as well as post entertaining ‘Mad Scientist’ videos (already got my Einstein/David Bowie wig and lab attire). Oh, and most of the equipment for production of the nanotubes has already been delivered :)

I'm going to post a few videos now along with some links to pieces of equipment that we will use to inspire the participation of others in this effort. From past experience I know that this effort will be far more productive from the open

involvement of anyone interested and serious about learning about the future and how we can end our dependence on collectivist control grids and truly Declare Our Independence.

This month's cover demonstrates our vision of electrical power being far more ubiquitous than our initial efforts might lead you to believe. But while we may be at the edge of the envelope in what we hope to accomplish we are still in proven technological areas within our capability. Of course there are other uses for the material but I am focused on the concept of Not Waiting for a government program to free me from an energy dependence that relies on the funding of the beasts that are devouring us... plus it'll be fun!

The first videos describing our experiments are only days away.

Peace,  
Ernie

### Nova: Carbon Nanotubes (Video):



### Spinning Carbon Nanotubes (Video):



### [Plating Rectifier 60A](#)



### [Tube Furnace with Optional 1-2" quartz Tube, Vacuum Flange and 30 Segments Temperature Control](#)



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