

SCREAMS FROM THE



# CROWSNEST

including:

**THE INDEX -** of solutions to the causes  
and consequences of  
atmospheric carbon

**ESSAYS AND RANTS**

Paul M. Jay 8/6/16



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CROWSNEST EDITION 2

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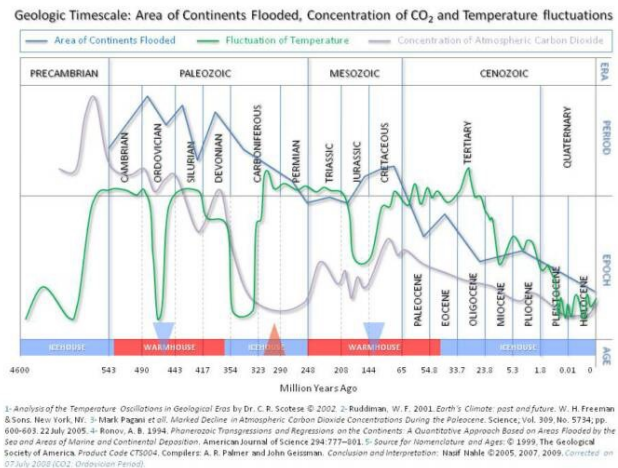
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searching the horizon for worrisome and hopeful things.

## Edition 2 THE INDEX

*\*Every pound of carbon in the sky is a dollar on the ground, and that dollar could/should be addressing solutions to climate change.\**

The chart below shows that for most of the planet's history, temps have been high, atmospheric CO2 has been high, and the land mass was 2/3s today's. Then over eons the carbon was sequestered, the water turned to ice sheets, and along came a super-functional race of bipeds who created modern civ. Now we are putting that carbon back in the sky, all those indicators are heading north, and the result of that will be loss of 2/3 s of our land mass and most likely extermination of the species along with other massive extinctions. These extinctions will be followed by super predators on every scale, combined with lousy weather and the breakdown of infrastructure; not a pretty thing to imagine, let alone live through.



Alternative energy is an abstraction that occasionally turns real, but it hasn't convinced anybody that driving a car is bad. People are caught up in the day-to-day functioning of their lives, and spend very little time thinking about the overall health of the planet. The future cannot be planned because people are terrified of plans, Stalin killed plans, nobody trusts the government with plans. Where does that leave us?

In garages and rural laboratories and barns and University side alleys. In strange parts of the government that don't answer to the elected officials, in a campaign of

suppression of free energy sources. The petrodollars on the ground have not accepted responsibility for the atmospheric carbon. Au contraire they have worked with the financial powers to kill other forms of energy, buying patents, then ripping them up, ruining geniuses, it's a sordid history.

But suddenly the wind and solar production has become part of modern life, and the coal companies are going broke. Saudi Arabia is starting to plan for the post-oil era. The carbon is in the sky, but nobody is changing their driving habits to account for climate change. So we are left with the same question hanging: where are we? The following proposal for an INDEX is trying to answer that question.

ΣProposal to create an:

INDEX OF PROJECTS DIRECTLY RELATED TO ATMOSPHERIC CARBON  
AND ITS CAUSES AND CONSEQUENCES

This INDEX will never be complete or up to date, things move so fast it's impossible to keep up, but the developments will be researched so as to be helpful to those who want to focus their philanthropies on turning around our fossil fuel dependence and the damage it is causing to the future. It will be on line as a web site, and is being considered as a hedge fund for smart, concerned investors.

At any moment a new promising development could appear that outperforms a previous, promising development; this is the dynamic of technological innovation. The huge expensive fusion reactors being built now might have to be mothballed in favor of LENRs, which in turn might give way to the catalytic process of turning atmospheric CO<sub>2</sub> into fuel. In this fast-moving tech-scape, we at CROWSNEST will be keeping up and reporting.

By way of illustration, here are some ways by which this INDEX, which I see as a large body of research assignments, could be organized. There would be links to projects and products. The following should provide a picture of what the INDEX, and the future, might look like. The solutions are indexed according to causes and consequences of atmospheric carbon.

Oil/ mechanization philanthropies that don't address climate change: Shell Oil Co. Foundation, Mellon Foundation, Hess Foundation, Paul G. Allen Family Foundation, Getty Foundation, American Petroleum Inst., Phillips Charitable Foundation, Gulf Oil Corp Foundation, CITGO Petroleum, Corp Contributions Program, BP America Corp. Giving, General Motors Foundation, Iacocca Family Foundation, Honda of America Foundation, Ford Foundation.....

## CROWSNEST PRESENTS:

# ::THE INDEX::

## I. CAUSES OF ATMOSPHERIC CARBON

A: Energy production using fossil fuels is a main source of atmospheric carbon. Also cement manufacturing, cattle ranching, food waste.

In this category, every means of replacing **fossil fuels, concrete, red meat** and waste is given attention and reporting. The optimum result would be a. use existing infrastructure and technology to rid the sky of excess carbon b. find a sustainable substitute for concrete and rebar. c. get people on a more sustainable diet, and d. turning waste into a source of energy.. The challenges are a. developing all means of energy generation, so that energy comes from a variety of sources, including the human body, b. convincing people they are part of a greater whole so they don't eat more meat than the planet can handle, and c. making energy transferable like electricity, so that many sources can tap into or contribute to a communal grid. The following is a brief survey of the solutions that might effectively and quickly reduce atmospheric carbon:

### 1. RENEWABLE ENERGY:

#### a. Fusion - hot:

Lawrence Livermore Laboratories have repurposed hydrogen bomb technology to make a fusion reactor that puts out more power than it uses. Only 1%, but they are working on it. Called NIF, National Ignition Facility. They have government funding, but there may be so many challenges bringing the technology to market, it belongs in the INDEX to compare with other technologies. Ref. gizmag.com There are many such projects: Germany's Wendelstien7X, China's EAST Tokamak, EU's ITER 50mw input. The Lockheed

100MW compact fusion reactor would run on deuterium and tritium (isotopes of hydrogen)

Tri-Alpha Energy C2U Contains plasma by firing high-energy particles at the edge of the plasma ring.

b. Fusion - cold:

LENR-CANR.org. Low Energy Nuclear Reactions. Andrea Rossi patented E-Cat (and **E-CATX**) Lewan Webinar The Rossi Effect

Difficult to repeat, but 10 kilobits with powdered nickel, lithium catalyst  
Industrial Heat Tom Darden Cherokee Investment Partners Lugano

(now in litigation) Report 1 kilowatt turns into 1 megawatt.

Briloun Energy Corp. nicHenergy Boeing Airbus Mitsubishi Toyota NASA LENR-Cities Lenria ICCF conference June in Stockholm

An Impossible Invention by Mats Lewan

Dangers of neutron emissions. Only a few journalists (Marianne Macy) are covering the cold fusion developments. China will adopt this technology first. Leonardo Corporation

energy2.0.com covers the Rossi reactor

note: It would be nice if this worked and produced enough helium to fill thousands of airships (see #14 below)

Dr. Joseph Zawodny at Langley Research Center working on Widom-Larsen Weak Interaction LENR Theory. Powdered nickel turns to copper by adding a proton from hydrogen ion. Frequencies have to be between 7 and 30 THz.

c. Zero point energy. According to the uncertainty principle, there cannot be zero momentum at a given point, so this energy theory, shared by Planck, Heisenberg, Tesla and aliens, posits a lowest energy point and oscillation. This could be the electro-magnetic energy witnessed in the Rossi effect. The technology has been available for some time, but is kept under wraps for fear of weaponization. Apparently, alien craft using this energy can be brought down by radar. The technology is in the hands of government entities that don't report to elected officials. They have kept it secret since the early 1950's.

It's hard to prove that this narrative is false. It really depends on the laws of physics and the truth behind zero-point energy. This Index doesn't recognize zero-point as the big answer to our climate problem, since it creates other levels of problems that we aren't prepared to deal with (the reason the technology has been hidden). Getting energy from a variety of sources, including ourselves, makes more sense to me, instead of seeing one source, like zero-point, as a panacea. However, this might be the only thing that saves us. Ask Max Loughan about this, at 13yo he knows more than anybody.

d. Running engines on water and hydrogen

GEET PANTONE- engine running on water.mp4

<https://youtu.be/d5YsK3bwzPM>

best methods for electrolysis, electrolytic cell

on trucks, doubling fuel economy

\*NanoFlowcell electrolyte flow-cell power system, can generate over 900 hp using salt water.

\*Aquatune. put it in your car, today! Run on hydrogen, by next week.

\*Look to Brookhaven National Labs to figure out hydrogen production with catalyst made of nickel and metallic molybdenum..

\*Rotec in Australia has an emission control device for trucks and jeeps, reduces black carbon emissions.

Riversimple hydrogen cars.

Harvard professor of energy Daniel G. Nocera engineered bacteria to absorb hydrogen and CO<sub>2</sub> to make alcohol. carbon-neutral fuel

HYPER SOLAR hydrogen production

Bionic Leaf 2.0 Brazil. produces hydrogen for fuel at 10% efficiency

converting plastic to fuel using alkane catalyst Zhibin Guan UC Irvine

converting human waste to hydrogen. Japan Yoshikazu Tanaka driving the Toyota Mirai with Hydrogen cell, Hydrogen supplied from waste treatment.

Garbage trucks that run on methane from garbage.

d. Human energy (my Walking book covers this)

Optimizing human strength is work for engineers to design simple machines like the bicycle that makes electricity. A rowing machine attached to a boat (a row-boat!) a treadmill with 2 wheels (a bicycle!)

Georbital motorized bike wheels improve range of bicycles.

Recreation without fossil fuels., kayaks, bikes and hikes as opposed to stink pots and snowmobiles and ATV's. Stay in shape, stay healthy, stay out of health care.

e. Batteries/ solar panels, wind mills for the home. Tesla lithium wall battery, Aquion solar battery alkali-ion salt water electrolyte, all-iron flow battery, Poly-Plus lithium-air battery. LITHIUM is dirty to mine, so saline solutions are better. Also, dead laptop batteries are lithium batteries that can be revived and collected for wall batteries up to 20Kws.

f. Avant Garde in India making wind turbines for \$750. 3 to 5 kW Hrs per day, for rural communities in India.

g. Here's a guide to gravimetric energy density:



**117 watt-hours per kilogram:** The level Tesla and Panasonic were achieving in 2008 for the Roadster

**200 watt-hours per kilogram:** The level Sonny Wu, Boston-Power's CEO, says the company is achieving today

**250 watt-hours per kilogram:** The approximate energy density of the batteries in the Tesla S

**400 watt-hours per kilogram:** According to Tesla's Elon Musk, the concept of battery-powered transcontinental airplanes becomes "compelling" once batteries hit 400 watt-hours per kilogram

**400 watt-hours per kilogram:** The level that battery aspirant and ARPA-E grant recipient Envia claimed it could achieve. (Next Green Future)

Bosch acquires California battery company SEEO, which claims already 300 wh/kg

A variation on Moore's Law would indicate that in 10 years, planes could fly on batteries. The energy stored in them could come from renewable sources that could be produced at the airport. The planes might also have electrified wing-edge to move more gracefully through the electromagnetic ether. Fuel cars could run on hydrogen mix, created by electrolysis powered by battery.

- g. Graphene solar panels, batteries developed at BNL. Matthew Eisaman and colleagues. Also at MIT.
- h. Turning atmospheric CO<sub>2</sub> and water into liquid hydrocarbon fuel. At UTA, Wilaiwan Chanmanee, Mohamed Islam, Brian Dennis, Frederick McDonnell <http://www.uta.edu/news/downloads/pnas.201516945.pdf>
- i. Energy Innovation Summit Advanced Research Projects Agency-Energy (ARPA-E) I
- j. GE Sunrotor. <http://www.slashgear.com/ge-creates-sunrotor-system-to-store-generate-clean-energy-09430845/> solar heat is stored in molten salt, and extra electricity is used to cool CO<sub>2</sub> into dry ice. When more electricity is needed than the system is able to provide in that moment, the salt is then used to warm up the dry ice, releasing CO<sub>2</sub>, powering the sunrotor, a turbine, and generating electricity to fill in the gap.  
Ares does same thing using trains
- k. CETO Wave Energy Carnegie wave energy Dr. Michael Ottaviano. All the energy we need is in the waves. Also Wavestar, one machine 6 MW.  
also Oyster, Waveroller, Wingwave.  
(This technology could power #15, bringing water and electricity to the dry desert. )  
tide turbines <http://www.meygen.com>  
NOVA Innovations has installed 2 100kW tidal turbines off Shetland Islands, now feeding the grid.

- l. Magnetized target fusion Canada General Fusion Integral Molten Salt Reactor
- m. Net Power PLant, burns fossil fuels but captures all the carbon, turbines run on CO<sub>2</sub>, not steam, so no cooling towers or water loss.
- n. Saule Technologies, Warsaw Robert Kupczuna ultra-thin and flexible photovoltaic cells. These could cover an electric car, which sits in the sun all day, charging up. Power could create hydrogen to feed into fuel stream.
- o. Roll-Array photovoltaics technology
- p. TESLA knew how to draw power directly form the ionosphere, which was what Wardencliffe was built to do. He said that there is a 2 billion volt potential difference between day and night, enough power for all our needs. His dream was to transmit this power to where it was needed through the atmosphere, (RF Fields) but J.P. Morgan had a corner on the copper market and pulled the plug.. dooming us to global warming. Rebuilding the tower is a no-brainer.
- q. Ruggero Santilli and Thunder Energies. Let's see what he comes up with, since he can see on every scale at once. He could get the Nobel Prize in Physics, Mathematics or Chemistry. He says that quantum mechanics and special relativity don't apply in the sun or on Jupiter.
- r. Ivanpah solar electric generating system in CA provides 392 mw of electricity. Google, NRG Brightsource Energy backers.
- s. Jim Murray has figured out electric motors.. could power a car on 2 watts. Amplifies power by 5,000% using elliptical rotor. He's a student of Tesla, should work for Tesla, has a lab, builds machines, needs backing. <https://youtu.be/HK3J0LY0V8Y>
- t. electrostatic motors run forever, taking electricity from the air.

## 2. MEAT CONSUMPTION:

- a. Though the oil companies are not responsible for much of the total meat consumption, the two industries share responsibility with the coal burning and cement industries for the build-up of CO<sub>2</sub> in the atmosphere, also a massive polluting habitat-destroying history, so programs that try to reduce meat production and consumption should be researched and supported.  
  
( actually these industries are just responding to demand, it's the consumer that is ultimately responsible, which points to outreach and messaging as the viable options here.)
- b. The fortunes of meat production and consumption should be contributing to work this particular issue by not being slaves to the demand. Also by not spreading massive amount of disinformation about how meat is good for you.

## 3. CEMENT:

- a. Bamboo makes a great substitute for rebar, it's a great material that can be used for many things while fixing carbon.

- b.concrete canvas, make a building with water and an air pressure pump to blow it up. Milliken Textile has a product, so does..

c. **Co2ncrete** UCLA's J.R. DeShazo is using lime to create concrete from CO2. "We can demonstrate a process where we take lime and combine it with carbon dioxide to produce a cement-like material," Gaurav Sant, science collaborator to the project.

<https://vimeo.com/157380738>



d. Mycotech for all packaging, bagging

needs

Paul Stamets

e. bioMason makes bricks using bacteria instead of firing.

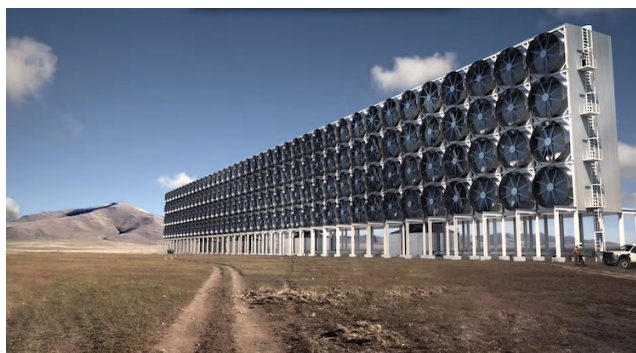
#### 4. CARBON FARMING

The Carbon Farming Solution by Eric Toensmeir.

The Smog Free Tower, by designer Daan Roosegaard, sucks in smog by ionization and deionization, cleans a huge amount of air.



Carbon Engineering in Calgary, Canada turns CO2 into carbonate salt in a scalable, sustainable way.



U of Illinois. photosynthetic instead of photovoltaic Salehi-Khojin.

hydrogen and carbon monoxide gas are produced from the cathode. Free oxygen and hydrogen ions are generated at the anode. This reaction creates synthesis gas, or syngas, which can be burned as is or turned into diesel and other hydrocarbon fuels.

## 5. POPULATION

Overpopulation is the traditional cause of population collapse. We need an effective, over-the-counter libido suppressant.

Free birth control all over the world.

People should carefully monitor their carbon footprints, by weight. 8 pounds of Diesel (1 gal.) produces 22lbs of CO<sub>2</sub>. In total, 1,545 metric tons CO<sub>2</sub> emissions/yr from U.S. alone.

## 6. FREE ENERGY

To conclude the first section is a list of free energy pioneers and the buzzwords that can be looked up. These experimenters are from a while ago.

Victor Schaumberg/ spiraling inherent in the motion of atoms.

Walter Russel/ spiraling periodic table, predicted elements.

Brown, Larry Deavenport/ high voltage charge separation/ electro-gravity. This technology is used on the B2 bomber, which has an electrified forward wing.

Hal Puttoff/ circular centrifugal force can modify jet engines .016 Newtons/watt to .3 Newtons/watt

Joseph Newman/ gyroscopic fields. particles have same properties as gyroscopes, spinning tops, follow same laws

David Porter/ Carrousel electric generator

Dennis Leary/ super-cold refrigerant sucks heat out of the air in all weather, by squeezing.

John R.R. Searl/ tesla stuff

John Hutchinson/ can create a quantum jitter in objects using RF fields and can make batteries from magnetic rocks. Likes the inter dimensional.

Tom Bearden/ Electromagnetic science

Brian O'Leary/ Miracle in the Void

Eugene Mallove/ Infinite Energy Magazine

Jeanne Manning/ The Coming Energy, verge of readiness

Moray King/ Tapping Zero Point Energy

Jim Murray/ slanted Dynamos perpetual motion.

## II. CONSEQUENCES OF ATMOSPHERIC CARBON

The consequences of warming the planet are a real nest of real problems, affecting everybody in so many rarely positive ways.

### 6. PREPARATION FOR RISING SEAS:

- a. Coastal cleaning - remove nuclear plants near shore, toxic sites that would poison the oceans.
- b. Life on the water - aquaculture, GREENWAVE floating farms
- c. Sea walls that go up during storms, then fold down again.
- d. Pod Off-Grid: Exploration into Low Energy Waterborne Communities, by Jason Pomeroy. Sustainable water based communities.

### 7. SAVE THE OCEANS:

Though the fishing industry is not responsible for much atmospheric carbon, the danger to the oceans is because of over-mechanization, so they are related.

- a. Fishing laws
- b. Cleaning technologies Plastic Whale
- c. De-acidify, alkificate (new word) add electrons to neutralize hydrogen ions.
- d. Institute for Sustainable Development and International Relations in Paris, protecting more ocean from exploitation.
- e. Healthy Seas, Blue Planet Society

- f. <https://alejandropласencia.com/2014/08/08/remora/> biodegradable fishing nets with trackers.  
ghost fishing gear, nets and traps, are hugely damaging to ocean life.
- g. Thimble Island Ocean Farm .. Greenwave Bren Smith
- h. the trouble with fish farming is pollution. Aquaponics solves that problem by farming vegetables with fish waste. The ammonia the fish secrete turns into nitrates that feed the plants. This could be scaled up to industrial levels.
- i. Putting scrap iron into the ocean to promote life.

#### 8. ART:

Messaging and bringing environmental science into the culture through art is indispensable to the general program of saving the earth from this specific threat. Some of this art should be experiential, in the sense of a personal experience transforming one's view of the world, so that the public is awed by sudden comprehension.

Each of these categories in this INDEX could be, and probably is, the subject of art projects. #17 is an art project as well as an engineering one..

#### 9. CLIMATE REFUGEES:

Populations displaced by global warming will be large in number and they will need land or barges as coastal cities flood, and they will need agricultural technologies as farms turn to desert. (#15 could reverse this).

Millions will be starving and should be fed. Diseases will have to be fought. Water will have to be created through electrolysis, also creating hydrogen fuel..

#### 10. MATH DEPARTMENT:

Math skills should be applied to attach numbers to mysteries. The questions I'm thinking of would be for instance: 1. If US gasoline consumption was a river, what river would it be? 2. If everybody on the planet jumped into the ocean, how high would the sea levels rise? There are all kinds of discoveries to be made about traveling, how an increase in range, say by flying vs. walking, would increase the necessities, places where I had to go. These dynamics can be turned into equations. Other people might have different questions, but I could see a high school math class trying to solve these kinds of things.

#### 11. ECONOMICS:

- a. weaning the fishing industry off of ocean-scraping.

- b. finding something for laid-off coal miners to do involving cleaning up the toxic mess left by the industry.
- c. Solar panel banking, where you pay the same energy bills, but meanwhile you are paying off your solar panels. With good batteries, staying off the grid is a better choice for a homeowner than selling electricity back to the utility because otherwise you will end up paying for use of the transport system.

## 12. DEMECHANIZATION:

- a. Home productivity, micro agriculture (gardening, aquaponics)
- b. Transportation, biking vs driving, discouraging gas addiction in young adults.
- c. School - \*learning how much human energy it takes to turn on a TV, \*what is the equivalent calorie count for carbon; how many calories would it take to do something functional, like getting to school; \*study migratory mammals, because that's what we are.
- d. Recreation.

## 13. MESSAGING:

Hat: I DON'T NEED A BAG

Printed on plastic bags: THIS BAG LASTS 500 YEARS

Printed on cloth bag: IDON'T NEED A BAG, I AM A BAG

DON'T LEAVE ME HOME ALONE!

TAKE ME SHOPPING! PLEASE!!!

Bumper sticker: MY OTHER CAR IS A BIKE

FREEDOM = RESPONSIBILITY STOP GLOBAL WARMING

Don't like gvt? take responsibility for what you do.

GREENY WARMER

## 14. MOTOR SPORTS:

The EPA is cracking down on racing-car emission over-rides. The way to deal with the problem is to outlaw the use of fossil fuels for sports. This would mean that everybody has to quickly figure out how to run the race cars on hydrogen, and the electrolysis technology would leap forward. The cars would go around the track all day making water vapor instead of toxic gasses.

This won't require donations as much as political support should a bill ever come to the House outlawing the use of fossil fuels in motor sports. The way to

start the wheel rolling is to have a race event with that non-fossil-fuel requirement and a large prize for the winner. That would make a great project/ grant application / Congressional bill. Hydrogen racing.

All the hydrogen development is being done by amateurs in their garages, judging from the you-tube videos. However, the new development at UTA that creates liquid hydrocarbons from atmospheric carbon would power a race-car without any adjustments or use of fossil fuels. It would be carbon neutral.

This would help mine the carbon from the sky, and also send a strong message.

## 15. AGRICULTURE:

The destructiveness of monoculture is out of hand, every kind of food-growing should be studied, including no-till, plantations in a thriving jungle or forest, aquaculture that cleans rivers. Monoculture releases fixed carbon and nitrogen, so it is a major cause of atmospheric carbon and belongs on this INDEX. Composting captures carbon.

Pablo Tittone - Feeding the world with Agroecology. waste is a modern invention

Aquaponics can work in any body of water.

## 16. AIRSHIPS:

Helium lifted airships that replace both container ships and jets, allowing, e.g., a trip to Europe from Long Island that doesn't add to one's carbon footprint. This could be done tomorrow with out much expense, since many ships have been built, and I would be the first to buy a ticket. I've crossed the Atlantic maybe thirty times, three by ocean liner, the rest by jet, and feel too anxious about the future to keep this up. I would much rather go at 100 mph for a whole day and night with a stack of books to read and a peaceful sleep than at 500 mph with glossy mags and a movie. So would a lot of people, I'm guessing. Also, the damage that supertankers wreak on the oceans cannot be exaggerated, and replacing them with airships would be a great move.. Ocean dwellers would be happy because the noise pollution would abate and they would be able to communicate.

If a billionaire bought an airship and crossed the Atlantic with it, with passengers, it would send shudders through the boards of many Fortune 500 companies. The price of Helium would rise drastically, since there is a finite amount of the element on the planet and it is hard to make.



Igor Pasternak's Sky Dragon,



Airlander 10(England) by Hybrid Air Vehicles  
Bruce Dickinson (lead singer of Iron Maiden) <http://www.hybridairvehicles.com/aircraft/airlander-10>. They just tested it and it crashed on its nose, where the cockpit is. Back to the drawing board, Bruce.

Lockheed Martin's LMH1 [lockheedmartin.com/us/products/HybridAirship.html](http://lockheedmartin.com/us/products/HybridAirship.html)

One of these could lift a ship, which could land in the water in case of trouble. Storm preparation would be a big part of success here. Also ability to obtain Helium.



## 17. THE PIPELINE PROJECT

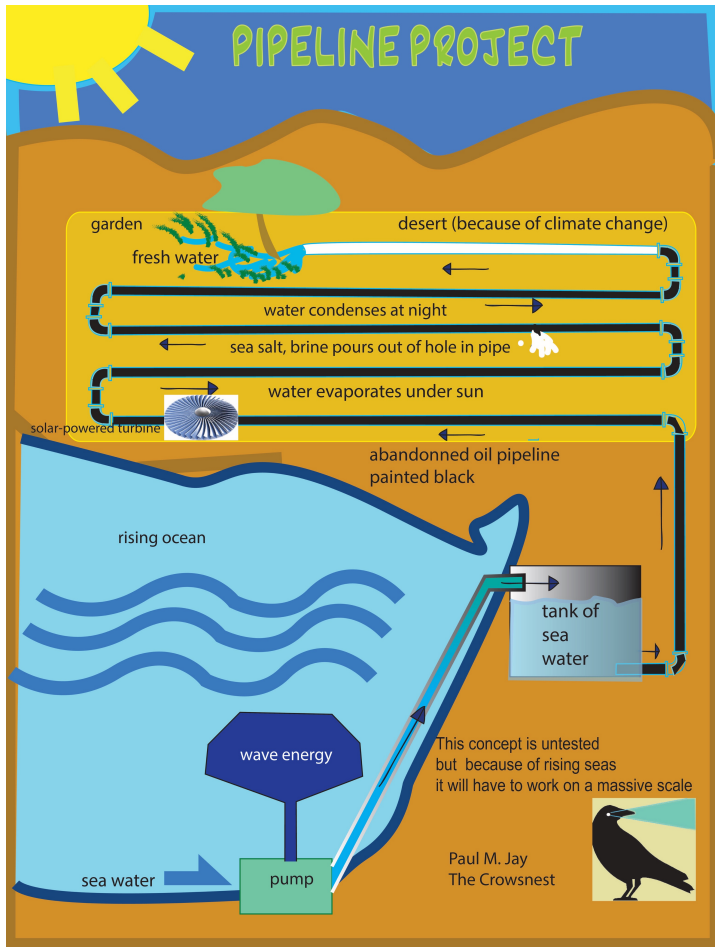
### Turning salt water into fresh water in the desert.

THE PIPELINE PROJECT is so huge in concept, so new (I just thought of it), and a solution to so many problems. It reduces sea level rise and desertification, it fixes carbon, it stops the flow of oil, it makes gardens.

This would involve leasing an abandoned pipeline and converting it to carry seawater. The oil pipelines now carrying oil from the desert to the sea sometimes run out of oil

to carry; perhaps one underused pipeline is available, and can be repurposed into a pipeline that carries the water from the sea to the desert. The pipes are on the surface, painted black and heated by the sun, so that by the time the water has reached the desert, it is vapor and the salt is sediment in the pipe. Small holes in the bottom of the pipe can draw the salt out of the pipe and onto the ground, the brine will stop the vapor from escaping through the bottom hole. The water vapor would be condensed at the other end. Out comes **fresh water**.

This water would create life and perhaps some happiness, and people might see it as



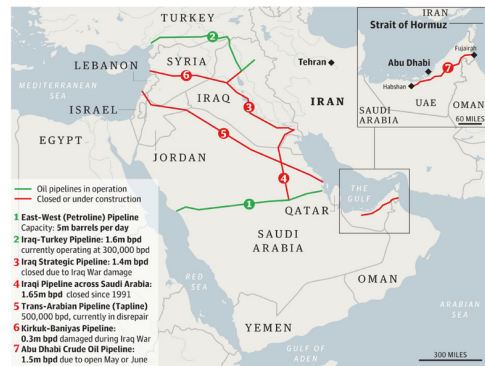
the way to proceed. Things would improve. The seas would continue to rise, but if this were done with all the pipelines in the world, seas might stop rising.

The pipe would have to be long enough for the water to take at least two days to reach the end, so that the water has a chance to vaporize and the whole system doesn't have to be shut off at night. It could be a system of condensing, evaporating, night and day, the water desalinating each cycle as it moves down the pipe towards the desert.

Vapor doesn't have to be pumped to move uphill. The sea water would be pumped by windmills, or wave energy (1.k.) into the pipe system. Details of the pumps and impellers would have to be explored. (A Tesla turbine running in reverse comes to mind. So does the ancient screw used by Leonardo DaVinci that raises water. However Carnegie Wave Energy seems to have solved these problems)

This is a way to slow down sea level rise, by putting the water into the desert, making the desert habitable, preventing desertification. The plant growth will fix carbon and nitrogen.

If civilization manages to get off fossil fuels, there will be a lot of pipes lying idle in the desert. The focus must be on doing this once, successfully, proving by



example, and hope that maybe it gets media coverage.

The concept relies on an alternate energy source to replace oil so that the pipelines lose their reason for being and carry water instead of oil. These possibilities are examined in part one of this INDEX.

In Egyptian deserts, forests are being created from sewage. The pipelines could be used to bring sewage to the desert as well as sea water, to create forests and gardens.

#### 18. GRASSLAND AND FOREST REGENERATION:

Allan Savory and grassland regeneration [http://www.huffingtonpost.com/js-mcdougall/hope-in-the-face-of-clima\\_b\\_9319634.h](http://www.huffingtonpost.com/js-mcdougall/hope-in-the-face-of-clima_b_9319634.h)  
Africa RISING stopped desertification in Ethiopia

Paul Stamets. Mushrooms kits that build old growth forests.

#### 19. POLTICS AND LEGISLATION:

Clean Energy and Coal Transition Plan passed Oregon House to outlaw the use of coal in the energy mix after 2030. Some of the projects listed in the INDEX are going to make that possible.

China pushes for mandatory integration of renewable power

Kochs are financing a measure in Florida called "Rights of Electricity Consumers Regarding Solar Energy Choice," which is lying right in its title. It opposes

companies that install solar panels on private rooftops, then sell the electricity back to utility. The utilities don't like this, since they have to cover transport expenses. (autonomous arrays with batteries are better for this reason, since it eliminates the transport costs, which are as high as the energy costs).

Climate Change Adaptation Fund, a bond issue by the Commerce Dept. \$200 million/year to fight climate change (in committee). States, local must contribute 25% to project.

Over-production of fossil fuels, the reason prices are dropping, is due to the need to pay off loans. They can't stop pumping oil because that stops the revenue that makes the payments. Laws should limit the amount of leverage in oil drilling because this is leading to disaster, the same dynamic that caused the dust bowl.

Carbon taxes: Boulder CO. has voted twice for carbon taxes.

Greenpeace's Global Justice and Liability Project, Toronto. Having them talk to the philanthropies of the fortunes of mechanization would make sense.

## 20. ECONOMICS:

- a. making carbon taxes attractive to the general population by using them according to the INDEX, so that the taxes make a real difference in the world.
- b. If A=value of the earth, pre-economy, B=value of the world economies, current value of the earth = A-B, due to the extraction of the minerals that have value in the economy.
- c. Weaning capitalism off of oil and coal needs some theoretical encouragement, and part of that is public ethics or values. Many alt-right thinkers say that capitalism and oil are married, can't exist one without the other, which is nonsense.

## 21. FINANCING:

- a. Bloomberg New Energy Finance
- b. Philanthropies of fortunes of mechanization
- c. Heirs to fortunes of mechanization
- d. ARPA and the DOE fund over 80 battery-development projects.
- e. Energy Foundations (Mr Oliver Yates, CEO of the Clean Energy Finance Corporation)
- f. Green Climate Fund \$100 billion/year to help poor nations adjust to climate change.
- g. Prince Mohammed bin Salman. He trying to get Saudi Arabia off oil economy, the Pipeline Project would be just up his alley. I'll ask John Kerry to pass it along to him.

- h. growth fund based on investments in renewables and other efforts listed in the INDEX

## 22. PLANS:

In a whirl of constant progress, many of the projects listed in the INDEX have an expiration date and most haven't even been started yet, but there is herein an indication of how much work has been done and needs to be done. It's possible that the Dept of Energy has something like this that it hands out to staff, but if they don't, they could use this INDEX.

It could also be used as an investor club, so people know where to put their money to save the planet. It could be a hedge fund with researchers and analysts. The hedge fund could publish the INDEX. I undertook this project because of my understanding that it would open up possibilities, and a fund is one of these exciting ways to put the information into play.

more:

## HEADLINES:

**'Time Is Running Out' To Stop Rising CO2 Levels, Says UN**

**Scorchio! Earth's surface is the hottest it has been in history**

**Electricity generation from wind, solar and other renewable energy technologies have set monthly records every month so far in 201**

**As sea levels rise, nearly 1.9 million U.S. homes could be underwater by 2100**

## ARGUMENTS:

The switch to renewables is facing stiff resistance from the 'alt right', which is identified strongly with the fossil fuel industry and its billionaires.. This is another desperate attempt on my part to ground the ideological divisions spawned by climate change propaganda into some kind of common sense framework. The following comes off a typical comment thread.

**ekofreek** The properties of CO2 have been studied for over 100 years, proven, demonstrated, every which way. If you travel by bike instead of truck, no-body is taking over your life, you are free to go where ever you want. please don't post sciencey nonsense.

**tea bagger** So, if I choose travel by truck, my life is not my own?

**ekofreek** atmospheric carbon is a public issue.

**tea bagger** Such is the rationale used by all tyrants: everything is a "public issue".

**ekofreek** Those who inhibit action on a public issue are the tyrants, also betrayers of public trust. This is the most serious public issue we have ever faced and you people are saying that all the world's science orgs are wrong. Then you complain of tyranny. get a grip.

**tea bagger** So, you not only get to define what is or is not a "public issue" worthy of government intervention and deprivation of individual liberty, but now it appears that you claim to possess the infinite wisdom to decide that the time has come to redefine "tyranny" (to suit your own agenda, of course). It's obvious that fascism wasn't defeated after all; it simply re-packaged itself as "settled science".

**ekofreek** I heard that freedom comes with responsibility. the government only has to step in when people refuse to accept responsibility and just want the freedom. If atmospheric carbon is a real problem (you have a responsibility to find out if that's true) we have to stop dumping it into the sky. You don't get to vote on the properties of CO2, they have been known and studied for over 100 years.

**tea bagger** We don't know if it's true or false, and we also don't know when the earth will be struck by another asteroid either. If we don't make public policy based on the latter, we shouldn't be making it based on the latter. You've simply reaffirmed my observation that you and your ilk are nothing more than con artists riding the wave of neo-fascism. You're either too stupid or too naive to understand that eventually, they'll come for you, and their reasoning will be firmly based on "settled science": the same "settled science" that firmly held that bleeding patients was effective medical treatment, that diseases were caused by miasma in the wind currents, and that Jews were inferior, and no, you won't get to vote on that either.

**ekofreek** [Lysander Kutsara · 8 days ago](#)

You have zero grasp of logic or science or reason. You would have us do nothing. We know the properties of CO2, there's no doubt. Humans have to get off fossil fuels, live with it.

Renewables are much healthier for the planet.

**tea bagger** You've engaged a pathetic effort at debate, offering virtually nothing but fallacies as valid argument, and you accuse ME of being illogical. The least you can do is admit that you're a politician, rather than a practitioner of science, but alas, such is the nature of politicians, especially those of the fascist ilk. Controlling everything and every one on this planet is far more difficult that you think.

**ekofreek** I don't do fallacies. By calling accepted science fallacious and fascist, you are not doing the planet you are living on any favors. If it suddenly occurred to people that toothpaste causes nose warts, people would change their habits. But unlike nose-warts, global warming is real and dangerous and we know precisely what's causing it. The remedy is to get off fossil fuels, as soon as we possibly can. You can still go wherever you want, but with a smaller carbon footprint. That's not fascism, that's realism.

**Lysander Kutsara** ekofreek · 3 days ago

There is no such thing as "settled science". The process is dynamic and continuous. Bleeding patients was once considered an effective treatment, and "settled science" by the vast majority of medical professionals, and unlike today, in that era there was little financial incentive to support such a viewpoint. Modern science has been corrupted by government intervention in the scientific process to the point that it's extremely difficult to avoid a conflict of interest. Your "movement" is indeed fascist and lacks only enhanced enforcement to be so definitively. Fascism doesn't require extreme nationalism or a genocidal maniac to exist; it's central focus is the total control of it's citizenry by an all-powerful state via a vast bureaucratic structure, especially in Finance, Heavy Industry, Energy and Media. Every one of those sectors is influenced by advocates for AGW, the vast majority of whom wouldn't hesitate to enforce their views with the help of a very large and oppressive police force.

**ekofreek** Lysander Kutsara · 3 days ago

your opinion is total garbage, .beginning g to end.

**Lysander Kutsara** ekofreek · 18 hours ago

Are you so overwhelmed with facts that you have trouble processing enough information for a measured and logical response? So, there is such a thing as "settled science"? That would mean that we should close all the research centers wasting their time on such things as AGW. After all, it is "settled". As to fascism, you can at least be honest and admit that you know nothing of such things and I would certainly understand, as I suspected as much. Alas, I suppose.

**ekofreek** You think the state is more powerful than the financial industry? which the state had no choice but to bail out? What about clean water? without the EPA and other state programs, the water would be poison (it often is in spite of state regs.) and the cure for poisoning would be price-gouged. Why is getting off fossil fuels so scary for you? Climate change is totally political for you and scientific garbage, but there is no evidence of fraud, nobody has lost their job by fudging the numbers. Sell exxon, buy solar, you'll feel better.



P. M. Jay 816

screamsfromthecrownsnest.com

searching the horizon for worrisome and hopeful things.

EDITION **3** ESSAYS, RANTS AND DODGY POETRY

by IPSE DIXIT 8/16

## OVEN MITTS

1.

Whenever oven mitts are on my ears

And I witness nothing to upset me

No more weeping acid tears

No more seas of agony

Just a trip to hobby town

To convert a flower pot

From green to brown

And back again and count to ten

I never had the discipline for Zen

again vanity's a weather vane

or a midnight train

electric lamp shining in the rain

2.

When knee pads are on my eyes

And I witness nothing to upset me

No more starving dogs to go with free tv

No more pointing out the flaws

or enforcing angry laws

Just a jaunt in self-delusion

no rosy mirror of confusion

no can of corpuscles on the night stand

Where there is no plan so

Everything goes as planned.

3.

When blocks of stone are on my feet

And I witness nothing to upset me

I take a tree-like physique

No more trips to JFK

No more hotels far way

But still the lagging tide and angry wind

contradictory but wedded things

eddy around the piling

like heart beats in the hurricane

spiraling away from where we were

but remaining firmly in the pan

## THE CROWS NEST

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### ON RELIGION

In the beginning of the general chronology things had no names, which means that originally God didn't have a name. So God is like a pet or a newborn child, or a disease, nameless until named. And every religion has a different name for God (I'm using the word as a noun, like you would call a conductor 'Conductor') but the names all, at least the monotheist ones, mean more or less the same thing: the great Father, the Deity that contains all spirit, the One we are each a child of.

One particular child, on being born, was named Jesus, and he was later thought to be the only son of the Deity. It doesn't say if God had any daughters, that is an unanswered question, but the son, if filling out some application, would probably have put Mary and Joseph of Nazareth as his parents, not God and Mary. Under 'occupation' He would probably have put 'carpenter', later 'rabbi', or maybe 'prophet', but whatever He was he has been appropriated in toto, as a symbol of sorrow and grace, also a wall between believer and unbeliever. His birth is celebrated with great enthusiasm towards the end of each December by the Christians; His glorious transformation from man to the divine is made obvious through the oratorio and the incense and the joy and the soaring cathedral vault... The church has created a spiritual realm here on earth, through the art, architecture and sensory catharsis that together form the high Catholic mass that honors this Savior. Being born in the cauldron of religious origins, the mideast, didn't hurt his chances for being turned into a religious symbol, a tantric deity in flowing robes, long brown hair and beard, anglo as a Christian, talking to a fawn.

Today's Mid-East is a bitter cauldron of civil wars and extremism and flight to Europe, this ultimately fueled by oil and American intervention, as well as climate change, and poor Allah has been appropriated and turned by evil minds into Satan himself, killer of innocents. Religion is the appropriation of the Deity, but if people throughout the region agreed that they were praying to the same deity, that the force controlling their lives was larger than their petty little tribal belief systems, bigger than names and flags, which is a logical Spinozian extrapolation of what they claim God is, then that would be like rival football teams agreeing on what a great thing football is. That would be a road to peace.. not great for football, which relies

on conflict, but very good for Mid-East peace. It is also unrealistic; it's never going to happen. Jesus was better at selling something like that than anybody, but I don't think he would have gotten anywhere with the monotheistic argument. People are much too territorial, they would have to be sedated to accept a real monotheism. The tricky problem of naming the deity tends to work against monotheism, which has two meanings: a) I worship only one God, X, as opposed to many gods, and that is the only true God b) we all worship one god using different names, XYZ, and different rituals. What happens is that the name of God, X, becomes like a political flag, and monotheism (b) which really should have no name, flag or other symbol, dissipates and fans the flames of war, reverting back to a). Since XYZ invokes infinite power and infinite attributes, people tend to be Xists Yists or Zists .

“I am the light that shines over all things. I am everything. From me all came forth, and to me all return. Split a piece of wood, and I am there. Lift a stone, and you will find me there.”

That sounds more like pantheism than monotheism, but who's counting. Jesus referring to himself as 'everything' is a broad view, and very general, difficult to verify. But under stones lurk snakes and worms and bugs, so He is saying that they are included in His domain.

"Suppose one of you has a hundred sheep and loses one of them. Does he not leave the ninety-nine in the open country and go after the lost sheep until he finds

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it? And when he finds it, he joyfully puts it on his shoulders and goes home. Then he calls his friends and neighbors together and says, 'Rejoice with me; I have found

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my lost sheep.' I tell you that in the same way there will be more rejoicing in heaven over one sinner who repents than over ninety-nine righteous persons who do not need to repent."

This is very judgmental, you are a sheep or a sinner, righteous or unrighteous. Most of us exist in the border between sheep and sinner, and anyone, including

Jesus, imposing that judgement on us is a little presumptive. Loyalty to Jesus comes at a price, individuality in favor of entry into heaven. I'm surprised that it is only one out of 99 of the sheep that is a sinner; in the real world all ninety nine would be guilty of something, like harboring doubts or acting on their own initiative, or enjoying life too much or developing self-pride. There are always temptations, even in the ancient middle-east, and the sinner would be one who selfishly, at the expense of others, submits to temptations, to avarice and the pleasures of the flesh and the opportunities presented by lax security around something easily stolen. So the word 'sinner' is more than a judgmental put-down. but the sheep are only staying in the flock because they're afraid of the wolves, i.e. the sinners.

The puritan fathers and mothers of our country founded Plymouth and Boston as a utopia of living saints who would naturally, through faith, behave properly, that is live without sin. Of course they didn't behave at all and needed clerics to harangue them, to remind them that children of God don't fornicate or get drunk in public or steal other people's underwear. This led to civil laws that defined a crime, (as opposed to a sin) and soon a tectonic crack formed between the civil court and the church where-by the civil court could not judge folks' souls, only their crime. The church, meanwhile could judge, or at least wait for the judgement, but could not punish folks except through penance and excommunication and a severe chewing out from a red-faced finger-pointing minister.

Back in parochial school, the nuns would teach us about original sin.. which I think goes back to the garden of Eden where the (symbolic) tree of knowledge was inhabited by a (symbolic) serpent offering (symbolic) forbidden fruit. The proto-female disobeys God, who had laid down some ground rules, one of which was 'don't eat the forbidden fruit from the tree of knowledge', but you know Eve, she does what she wants, and thanks to her we each have original sin, which is like being born with a parking ticket hanging over your head. Why should theology be exempt from the rules of logic and causality? This kind of self-flagellation creates disjunction in the church and in our souls, and the general idea of (non-catholic) enlightenment is to be free of that. Always in the church there is a stumbling towards good, as symbolized by sheep, and away from bad, as symbolized by wolves and snakes. Always there is urging not to succumb to the call of the wild, to the instincts of our grunting horny ancestors. But our grunting ancestors had good instincts as well as bad, otherwise they would have all killed each other off long ago, but there is no absolute standard of 'good'; good for what? And for whom? I guess God has His own logic, but sin is well documented in the penal code of New York State, and that's good enough for me.. and this code doesn't include fish on fridays and no contraception, or any other church laws. If that makes me a sinner,

maybe calling people sinners is also a sin. A sinner acts against the public good, so the sinning is a political act as well as a moral one.

Someone who steals is a *thief*, not a *sinner*, and repenting is irrelevant... giving back what you've stolen makes more sense. It's simply not a sin to use contraception. It's not a sin to disobey the teachings of the church, which tell you, among other arbitrary commands, to reproduce without limitation. This is criminally irresponsible, since over-population will eventually cause billions of people to starve to death (my guess is that the world will in this apocalypse be overrun by feral dogs and snakes feeding on the carcasses of starving humans). One might say it is a sin to tell people to reproduce to the max, it is certainly unwise, since it is against the public good. This is not the only arrogant and predatory behavior that the church finds acceptable, or at any rate forgivable through the atonement of the confessional, so the clergy cannot claim the moral high ground on many, or any of these issues. However, that is not the role of the clergy. The role of the clergy is to teach us, to marry us, to bury us, to baptize us, to give us a good sermon. It hardly matters that they don't have their story straight, the clergy are masters of ceremony. However, they might rethink their dogma, their teachings, since the bible wasn't written in modern times. To call contraception sinful is simply looney.

The basic conceit is that God has given us souls and made each of us, starting at the moment of conception, a special meta-animal, something in appearance very like God Himself.. He didn't after all make the porcupines in His own image, only humans. Following this logic, it is possible that the porcupine has its own God that looks like a porcupine. There is no evidence for or against such a notion, but the human-looking God is supposed to be the boss of the whole shebang. If you're the boss, you're responsible in case anything bad happens like global warming or overpopulation, both of which an all-knowing God would try to discourage (one would think).

Whatever the real God is, the god people believe in is a personal diety, who like Santa knows your sins and will judge your worth at the end of days (or Christmas). Whatever sin is, it is often called 'unchristian' behavior.. something unkind and opportunistic. A Christian person is a kindly, self-effacing person, on the knees, asking forgiveness from a personal god, deeply concerned with morality and guilt, living in a mystic universe.

The separation of church and state was about separating the moral judgements from the legal judgements, so the church got the right to judge people written into the first amendment, which protects the church, which can't even be taxed, from the state. They just can't do anything about this moral judgement except to offer redemption or a long trip to limbo. The church, in collusion with the state, used to have the power to burn heretics and declare war and crown emperors, but the separation of church and state took that away, which is a good thing. The state, in this deal, can't judge people except according to law. This brings up a tricky question: if morality can only be judged by the church, which is a principal that this country was founded on, does an atheist have morality? It seems from observation that atheists have as much as believers, they have empathy and social instincts like believers do. The point of the first amendment is to leave moral judgement out of the hands of government, meaning that an atheist is equal under the law to a believer. The upshot is that morality cannot be judged by anyone except at a basic, instinctive level.

To repent is to have a change of heart, a catharsis, an epiphany. I've had secular epiphanies, and I suppose they improved me somehow, so now I see a 'sinner' as someone pre-religious catharsis who is somehow dysfunctional, who acts on fear, greed, resentment, selfishness and other 'sinful' motivations (hunger!), who maybe doesn't respect borders or is subject to evil fantasies of sex or revenge. Therefore the 'Son of God', in the general meaning, is someone who has overcome these reactionary drives in favor of a more accepting approach to one's environs and co-habitants. A super-accepting approach would classify a 'Saint', a mortal become immortal, like the tantric deities of Buddhism.

Now the church makes more sense, representing a direction to go in: tolerance! Churches are balanced between tolerance and intolerance, so are the prophets, so are the worshipers, so are the clerics. The Dalai Lama weighs in on the tolerant side, since he is part God, supposedly. Everyone else is tolerant or intolerant to various degrees. Jesus was intolerant of money changers. I guess a modern Jesus would storm into an American Express office and smash up the ATM's.

Jesus could make himself useful countering the arguments being presented for building Jewish settlements on traditionally Palestinian land, also he could preach against the arguments for lobbing mortars into neighbor's neighborhoods. These are, the argument goes, expressions of religious freedom, because killing people and taking their land has always been a way for state-sanctioned belief systems to express themselves, but Jesus was not a statesman or foreign policy guy, more focused on the individual, saving us from ourselves; the lives of His followers revolved around total conviction and Jesus was all about conviction, He was into belief. Maybe that was because everybody was into believing, so he just presented

some sensible guidelines that people could believe in such as 'Do unto others as you would have them do unto you'. Though not attributable to Jesus, it presumably rules out day-to-day mayhem, and it's a sensible approach that is easy to remember and understand. However, in the land of day-to-day mayhem that isn't going to fly; it quickly morphs into 'do unto others AS they do unto you', or BEFORE they do unto you, preemptively, which is the exact recipe for mayhem.

I was brought up Catholic and should know more about Jesus' teachings than I do. The important thing for the nuns who taught us in Sunday school was always to BELIEVE, and to obey, kneel, confess and the rest of it. If somebody says to me 'believe me', I'm tempted not to, so now I have trouble remembering what he, Jesus, the anglo-looking guy gazing down on us from the peeling acid-green walls, holding up two fingers in not quite a peace sign, actually said. The gospels of St. Paul quote him as saying "I am the Son of God", but I've heard that this might be a mistranslation from the Greek, that originally it was 'WE are the sons of God', first person plural. Child of God, or Man of God or Son of God, the word 'God' here being a variable, was the highest compliment at the time of Jesus, and one could refer to oneself as a man of God without sounding boastful. At any rate, if people on both sides of an armed fence are children of God, then they probably should have more respect for each other, for otherwise they are devaluing the attribute 'child of God'. Hence the teaching 'Love thy neighbor as yourself', since we are all brethren and should live in peace with each other. But we are also all myopic self-aggrandizers with wicked tribal/territorial instincts and exploding populations, so it is rare that a person's sympathies extend to a neighbor, unless the neighbor shares a common enemy. And so mortars and artillery shells fly over the armed fences, each side united by a common enemy, both sides 'Children of Pick-a-diety'.



In reality, people are children of their parents, and usually take their parents' religion, including beliefs, rituals and enemies, creating a strong social fabric. My friend Steve as a young man converted to Buddhism, but his aunt said 'Buddhist shmudist, you're Jewish'. Religion is a racial thing, a blood thing, and in the Mideast, as elsewhere, it long ago morphed into a territorial religious nationalism. In this sense religion is identical to patriotism, it is passed along, it's what you are born into, one's cultural point of view, one's side, in case of war. Religions are social structures more than anything, so any reconciliation between enemies would require extensive intermarriage over generations as well as a strong dose of pragmatic secularism. Many religious laws are there to separate people, to create a division; this is certainly the case with Jewish Orthodox and Sharia law, (things are kosher if no non-Jew has touched it) and people compete for higher levels of intolerance. Breaking that down is sometimes known as modernism, sometimes known as freedom of conscience, the tolerance is built into the legal system. The planet is a zoo of invasive species, beleaguered species, parasitic species, militarily dominant species, oil-rich species and so on, so why would Jesus even want to get involved?

'Son of God' meant a 'righteous fellow', which must have been how Jesus saw himself. It's possible he took the term literally, implying that the One Deity was the source of half his DNA, rather than that poor fellow, Uncle Joe, sleeping with his mother. Jesus probably could not read or write, relying on his disciples to do this for

him, but he probably spoke a few of the dominant languages, chiefly Aramaic. He did not like the idea of being crucified, spending his last night on Earth in sad contemplation of his impending demise, so he was probably more human than god-like. He was a faith healer, apparently successful, but it's hard to say how he would have healed limbs torn off by a home-made bomb. He said that anybody could do what he does, and that is consistent with the Chinese physical science of Qi Gong, that it is within our power to heal and to heal others. Jesus may have travelled to India or Persia as a young man and learned something like this from a teacher. (Zoroasterism?)

Jesus preached a strong non-violence, like Gandhi, and exalted the lowly and disenfranchised, like Gandhi, and they both used the loin cloth, so it can't be wrong to draw parallels between the two men. Gandhi was much better educated and more of this world, as a lawyer and political figure, but Jesus had more post-mortem influence. This is because the mythology says that Jesus rose from the dead to walk among men, before ascending into heaven, which is the only proof we have of His divinity. Gandhi was killed and that was the end of it, since he never claimed to be a deity. There is no shortage of violence in either Palestine or India, so the influence of their non-violence on their own peoples was not a slam dunk. Gandhi saved millions of lives by preventing war and convincing the English to abandon their empire, but so much blood has been shed in the name of the Prince of Peace that few can claim the influence of his non-violence.

The Jesus of mythology was a-sexual, and so was his mother and father. Mary was, according to Christian teachings, a virgin at his conception and also at his birth, which must have been a mutual decision between herself and Uncle Joe. This is hard to prove, to even discuss from a modern vantage point, and I'm not sure whose word we have that Mary was a virgin, (the Gospel According to Luke, I have heard) but a-sexuality is a strong part of how Jesus is seen. Carnal needs are seen as the flip side of spiritual needs, though I'm not sure where that came from either. Perhaps spirituality's heady extremes, the mystical monks, the stigmated saints, the sufis and the holy rollers were seen as the conquerors of sexual desire, libido suppressors, if you will. Since sexual desire often leads to scandal and social turmoil, the a-sexual life became a symbol of peace and stability, a la the Church of St. Peter, which holds a-sexuality as a requirement for priesthood or nun-hood. I don't know if it's possible for a sexual person to be completely abstinent, but the church hierarchy doesn't seem to care whether the priest is actually a-sexual, and of course most of the ordained are actually sexual, but the idea pervades the church that faith alone can make you a-sexual, as well as cure your ills and forgive your sins. This is based, ironically, on faith. Faith based on faith in faith may be too

trusting in my book, a little tautological.. faith usually has a disjunctive impact on the world, creating social walls between opposing faiths, which are by nature opposing due to the 'exclusive prophet' syndrome. Conclusion: faith doesn't make you a-sexual.

"Believe in belief" is a swimming coach's advice to his team, and also a credo of any religion, exactly what I find distasteful. I always thought the advice to 'believe in yourself' made little sense since it puts one in a sect with oneself as the only member, but obviously people work better and harder if they believe in what they are doing. Belief is the most powerful motivation and source of psychosomatic comfort, but tautology is an error of logic, and leads to dysfunction and social disease. Among many examples is the disease of having beautiful children around powerful men with no sexual outlet except the beautiful children. The Catholic Church is paying a steep price in court for this error of logic, in US, Ireland, Germany, Netherlands, because you can't have that situation without social disease. If I was a celibate priest, how could I resist? So the church of St Peter has to accept sexuality and promote birth control and a married, or at least dating, clergy. Otherwise the molested boys have their lives ruined by shame, or they become priests themselves and by and by become predators in turn.

Direct observation makes a good replacement for faith, at least in my experience, also self-observation ('I believe in God' is a first-order proposition, like 'I love you') but at any rate, there is an observable link between a-sexuality and non-violence in the Christian faith. Generally, except for Protestant ministers, clerics are celibate and un-armed, and so was Jesus, as far as we know. However, the reason priests are required to take an oath of celibacy is at heart not dogmatic; it is so that they don't reproduce and create heirs... the Church of St. Peter is the only heir to a priestly fortune. My mother, a devote Roman Catholic, told me that, and she usually knows what she is talking about. So is having children who can inherit property still an obstacle? It doesn't seem to be in the Anglican Church where the ministers are allowed private property and families. Priests should also be allowed to lead a normal life. We are migratory mammals, subject to strong instincts, and if that isn't taken into account mistakes, like the sexual abuse of innocent children, will continue, and the priests will continue to beat their chests for forgiveness. A great appeal of Catholicism is sin.

At the founding of the USA in the seventeenth century clerics were necessities for the new wilderness communities. Religion gave structure to society, and everything from birth to death and in between took on meaning and ritual, paying

heed to the instincts of family and territory, from baptism (child or adult) to marriage to death and burial. Religion is comforting and structuring, you don't even have to believe in Adam and Eve and God with a white beard to appreciate and experience the meanings of religious rituals, especially when music and robes are involved. (in the puritan community marriages and funerals were brief, terse affairs, not cause for sorrow or celebration, in reaction to the Catholic church's elaborate ceremonies) Where do you go when you need a ceremony? Directly to the church, the shaman, the witch doctor, the cathedral, the meeting house, the chapel.. The sense of congregation defines the communities, ideally. Of course now communities are disparate and neighbors rarely share the same church, so the meaning changes. Church is originally a community activity, but liberty of conscience and freedom of religion have diversified the church-going options to a point of absurdity and neighborhoods lose the unifying Sabbath get-togethers.

The day to day, meanwhile, is the realm of the selfish self, and it's always difficult to dislodge the spiritual self from the selfish self. Everybody, it seems, is a self-interested, autonomous member of an invasive species, as Darwin would agree. Jews come from all over the world to Israel, Muslims settle in the banlieues of Paris, and every state in North and South America is the result of a sustained bloody, religion-soaked European invasion. That is animal nature and we are bloody animals after all, and to the victor goes the grim responsibilities.

“He who lives by the sword shall die by the sword” That is practically the motto of Islamic extremism, also a quote from Jesus. “Turn the other cheek” would not apply to someone whose country has been invaded, though the exception is if your name is Gandhi. Testosterone and adrenaline rushes would interfere with the cheek turning in a typical male, so maybe Jesus was showing the way to controlling hormonal behavior. OR maybe he represents a competing hormone, a secretion from a mystical gland that overwhelms the other hormones, the Jesus hormone! Don't laugh, that is a real possibility; the last time I saw God I was ingesting a bottle of Romilar on the Lower East Side during my wildly mis-spent youth.

The Jesus hormone, if it exists, would need a Jesus gland, and the likely candidate is the pineal gland, known as the third eye. All through religious history we have the pineal gland, which is in the center of your head, associated with religious experience. It looks like a pinecone, and is represented by a pinecone; it is thought to be the seat of the soul and the antenna to other dimensions, to the great nothingness. The hormones released by the pineal gland, such as melatonin, are libido suppressants, and the yogi in deep meditation is the conqueror of the libido.

This may be the origin of asexuality in Christian theology, the pinecone representing a state of religious experience that puts one on a separate plane from the sexually active populous. The training required to keep this hormone kicking all day long is not really taught to priests, also there are many practices that suppress and calcify the pineal gland, (like drinking fluorinated water) and that's probably why you get predatory priests, unable to suppress their libidos through pineal gland secretions, and behaving like the rest of us, except in the restricted environment of the religious community.

The question, which was posed by Aldous Huxley in reference to LSD is: does your religious pineal-inspired perception of God come from an ability to see something, like x-ray vision, or is it a strictly personal experience with no outside analog? There are obviously things to be seen if one could see them, for instance a wider electromagnetic range than visual light, and there are energy fields and cosmic interactions and plasma streams all around us, and perhaps what one sees of that, aided by pineal secretions, one can call God, or Allah or Yaweh or Deos. Everything we see is photons bouncing off electrons, maybe the pineal gland sees beyond that.

Spinoza pointed out that the God that is worshiped would not really care about the rituals and the enforced lore of the church (es).

Looking for the truth of God is not a logician's joy; one runs straight into the Bible, apparently the word of God. The oft-repeated claim, that God wrote the Bible, not only makes all the biblical prophets into His literary agents, but it is where He comes from. What He writes about is part fantasy, part creation myth, part mid-east history, and part human empowerment, we all have felt the influence of the Bible. Personally I've felt it second hand, having read very little of the book. Many statements, however beautifully stated, are easily refuted, especially in the tales of Genesis; for instance it says in Genesis that God made man in his own image, which is impossible; our outward form is a product of evolutionary forces that God, by definition, did not experience. He is not a dynastic God, He is immortal, so how can He evolve? So it looks like the opposite is true, that we have an anthropomorphic God, surprise, surprise. He looks like us, not the other way around.

This brings into question whether this anthropomorphic God really handed dominion over the Earth to a super-self-centered, and technically sophisticated race of animals, to trash it and subjugate the planet to the needs of the world economies and the value-grabbing billionaires. It's possible, as possible as anything else, that God doesn't look like us at all, and did not give us dominion, that rather we took dominion of God's creation by force and, while changing it beyond recognition, justified the abuse by putting words in God's mouth. God is in the third person, so the logical status of Genesis is *ipse dixit*; the writer says that God gave man

dominion. These are not God's words at all, they are man's. Rick Santorum recently put his God at the top of the food chain, with the planet a subsidiary, expendable piece of interstellar dust, and man's responsibility is to God, not the planet. I take strong exception to that position, as does Pope Francis. Among mammals, humans are the ultimate invasive species, very dangerous and powerful, focused more on their greed and comfort than on their responsibilities as dominizers, and therefore not good candidates for planetary management. If I was God, I would have given dominion to the elephants or the bonono's or the border collies (herding sheep, get it?).

It may be time for us to think up a new religion that brings science and faith together and dampens our voracious consumption of the planet's gifts, allegedly God's gifts, we can call it Scientology! Oops, that's already taken. How about Judeo-Christian-Islamo-Buddhist-Hinduism? Or better still, don't call it anything. God is defined by man, but the definitions are just guidelines. Prophets prophesy heaven and hell, preachers preach hate and love, and the definitions of God don't have any effect on this, so let us just feel humbled and exalted by our tiny spinning place in the universe, try to preserve it and leave it at that.

The exclusive prophet idea, as represented by mutually exclusive charismatics Abraham, Jesus, Mohamed and Buddha, is the problem. The religions they founded are all the successful result of natural selection, beating out other religions for dominance, and the same can be said of their holy writ, being (I'm guessing) the best and most popular writing of the era, but now these organized religions must work together and drop the exclusive prophet idea. There have been many prophets from all over the world, and we are all children of God, or the universe, or whatever it is we are children of. It is a condition that we all share, Calvin's predestination has been discredited, your grandma may be as close to God as the Buddha or the Pope himself. As far as the rules vis-vis this divine parentage, whatever we are children of, they could be revised too, since one person's sin is another person's moral obligation, and that discrepancy can cause yelling and explosions.

Religiosity often makes people crazy. The Islamists that briefly took over Northern Mali think music and dancing are venal sins but murder and rape are ok, in fact necessary, and that this ethic should be violently imposed on the population at large. In what world is that sane? The shepherd's crook is replaced by assault weapons and suicide vests and brutal force.

Reproduction issues loom like dark clouds over the church's dogma. Invasive species, like us, reproduce uncontrollably. That is the number one problem on the planet and it is impossible to ignore. Third grade biology will tell you the dangers of overpopulation: famine, social instability, climate change.... Claiming that sex is only for making babies and contraception is a sin is a root cause of overpopulation and

is encouraged by all religions; many theocratic governments reward people financially for reproducing. This is a hallmark of religious socialism such as in orthodox communities. 'Be fruitful and multiply' is now a strategy that threatens our future on this planet, but it has evolved into "go forth and cover the Earth and drive all over it in SUV's and have 10 children..", because the church derives its power and authority from an every-growing army of the faithful. More Christians/Jews/Moslems is better, fewer Christians/Jews/Moslems is bad, so contraceptives are sinful. Women are primarily wombs for future Christians/Jews/ Moslems, or Sons of Yaweh or whatever the patriarchal cult is, and the game is always on for population domination and territory.

A control of the libido outside of the marriage bed is paramount to keeping the cult growing, the babushkas and veils and burkas and strict separation of the sexes are de rigeur among cults. Marrying outside the cult is strongly discouraged. This is why the monotheism argument doesn't work, it would represent a general deculting, which is swimming against the tide, so to speak. When sheep are afraid, they huddle, and that is what religions do over time... huddle and grow, congregate and beget.

According to Genesis, originally the earth had a population of two, which became four, then three, then I don't know what happened. At any rate, back in reality the real race of humans came out of the jungle and, through technology, created the modern world, and invented war and all that, so as a creation myth, the Garden of Eden as allegory is pretty consistent with reality. Knowledge has brought us mechanization and it is destroying Eden, which is pretty much the same as being expelled from Eden. The as yet unwritten chapters of the Bible will have to do with overpopulation of humans, the real apocalypse, and unfortunately there won't be an Eden to go back to. There will be chain-link fences and portapotties and dead oceans.

Did Jesus read the Torah? I'm not sure he was even literate... he was a mystic, full of aphorisms and very believable, but not that helpful in today's middle-eastern snarls. Neither Islam nor Judeaism preach the return of the prophet, so it's all been written in stone for umpteen generations, the very foundations of culture. Religions are beasts of tradition, every rite is fraught with significance that reaches back, not forward, and the very idea of a modern Jesus or Mohamed stinks of cultism and crypto-mysticism. Mormons settled the wild west, challenged by neither the pre-metal age tribes nor objective reasoning, thus pulling the fraying disparate edges of society into an uniquely entitled patriarchal tribe, making order out of chaos, also in the mid-east where Mohamed's hilltop mumbo jumbo is law, and where religious stature is social stature. People don't voluntarily give up social stature in favor of

some new hill-top mumbo jumbo, but it's always the fraying edges that perk their ears at hill-top mumbo jumbo.

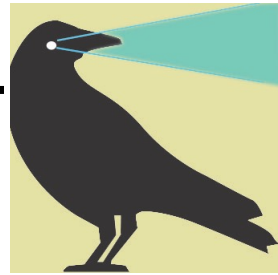
Martin Luther King turned hilltop mumbo jumbo into an eloquent call to freedom and dignity, reaching out to the fraying edges, who now have a clearer vision and stronger passion, and move incrementally towards the economic middle. There is no shortage of great preachers and great orators that set the moral imperatives of their day, even great essayists and songwriters and poets.. it's often hard to identify whether familiar words came from the Old Testament or Shakespeare or the Koran or Dylan or the Book of Common Prayer, or from the Beatles or Julia Ward Howe or Jesus or MLK, or a blues song. Jesus isn't the only one with a drowned-out message.

Jesus did not have our problems. We are seven billion needy individually empowered masters of the universe with heavy infrastructure requirements and terrible consumer habits, stressed in so many ways by the arrogance of wealth. His message of humility would certainly complement a star-gazing insignificance, which might balance the arrogance, but being one of seven billion does eat away at moral entitlement and we, including the rich, have to bow our heads to the greater good. But that's not going to happen, what happens is that pride in one's religion and heritage gets blown out of proportion in territorial disputes and ignites more war. Jesus-thinking would be read as a sign of weakness, unsound military strategy. Mohamed, Joan of Arc, Cardinal Richelieu were all military leaders, not proponents of non-violence. With no difference between religion and politics, church and state, that's what happens, religious wars. That's what's on the menu, along with the entire desertification of the Mideast.

So unless Jesus worked as a desert-reclamation engineer, he would not be that helpful in today's Middle East.

## THE CROWSNEST

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### BAR-NAPKIN VERSE

Sir Gallahad was glad  
He put pickles in his salad  
But the Lady Palid  
Did not think it was valid  
So he wrote a lovely ballad  
About a knight who had to chose  
Between the Lady Palid  
And pickles in his salad.

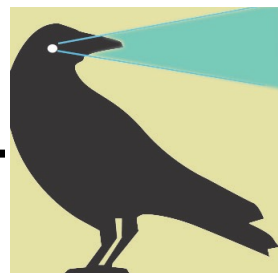
The crocodile hunter was eaten by the crocodile  
The crocodile was put on trial  
Pleading self-defense he admitted he was famished  
He ate the judge and then he vanished.

A goal tender on a bender  
Gets a DUI on a Zamboni  
he plows into a referee  
I'm so glad bagged it wasn't me



**SCREAMS FROM**  
**THE CROWSNEST**

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**ON RACE**

**WATERMELON VS GREEN BEER**

Facebook friend Erik Frandsen posted a brief observation on St. Patrick's day, something about if you celebrate your Irish heritage by puking green beer into a green plastic hat it's like celebrating Martin Luther King's birthday by strumming banjos and eating watermelon. Got me thinking.

Banjoes come from Senegal, the blues comes from that area too, they are examples of African culture brought to America on slave ships. The watermelon represents southern agriculture, of which Africans played a huge role, albeit as slaves.

What is slavery? A condition of servitude brought about by capture or prize of war, there has always and continues to be slavery. This is not to condone it, I wouldn't want to be a slave, I enjoy my freedoms and get very uppity when they are threatened. But the serfs were enslaved, Jews were enslaved, the Pequot Indians were enslaved, and today there is an entire economy run on sex slavery. The practice was officially abolished, a great thing, but the condition comes in many varieties. This is a separate subject, but the point here is that there is much to celebrate in black history, including or in spite of slavery. Martin Luther King was a great preacher with a voice that could out-resonate Morgan Freeman's, but he wasn't the blues. He couldn't out-resonate Howling Wolf or Muddy Waters or John Lee Hooker or Koko Taylor, voices that were one or two generations removed from slavery.

Slavery is not celebrated, it is a dark cloud of past, it is a shame. So is Irish drinking, but that's celebrated (by drinking). Why not eat watermelon and play banjos on Martin Luther King's birthday? How about Robert Johnson's birthday, or John Coltrane's. Or Nat Turner's or Tina Turner's. Anyway, black culture in that sense is whitewashed and ignored, you get M.L. King, be satisfied, and don't bring up that slavery thing, and leave the banjos to the back-woods bluegrass crowd. Rev. King's birthday is sort of a solemn occasion, partly because he was assassinated, but that causes a strange gap in the chronology, a gap that would otherwise be filled by banjos and watermelon. It is certainly filled by the blues, but the blues is not a symbol of slavery but more a symbol of freedom of expression. This is what it meant to the English schoolboys getting blues records off the freighters and reinventing it as rock and roll. I'm not black, I'm white as white can be, but black culture is a big part of my life. Of course I have more black R&B records than black friends, but being a musician I do have some black friends. My world is integrated in theory.

Every culture that comes to this country celebrates their heritage, and part of black heritage is banjos and watermelon, along with music as we know it, and now I see the problem. As soon as you ask in what fields blacks excel, you start to stereotype. And that's the problem with the banjos and watermelon, stereotyping. The Irish celebrate their stereotyping. Comedy is based on stereotyping, but so is past culture, which needs symbols to be remembered.

Barack Obama has an African background, but he is not a descendent of American slaves. Could a descendent of American slaves become president? Not unless slavery is celebrated, as a reverse-symbol of freedom, as the breadbasket of American culture. The banjos and watermelons are negative stereotypes that were imposed on southern blacks by southern whites, but the negativity doesn't have to be accepted by blacks. Or by whites; I don't see it as negative. Horrifying, for what it represents, but also glorious. The contribution of those original banjo players to American culture cannot be overstated, it's equal or better than the influence of European music.

And yet banjos are, like the accordion, the nerds of the instrumental world, the butt of jokes. Both instruments brought their culture with them, and are given respect in particular circles, so the banjo will have to speak for itself, demand respect with a twang that goes to the

heart, the flatted third that is the highway to the soul. As for the watermelon, everybody eats watermelon, melons are melons. How about turnips? What roots did they plant to survive captivity? If they'd been Jews, every detail would be preserved in ritual.

So I've never heard an African American, besides Taj Mahal, playing the banjo. I've never witnessed a black, man woman or child, eating watermelon. The whites do these things on a regular basis, playing blues, strumming banjos, eating watermelon, while the blacks move on, inventing jazz, rock and roll, fusion, hiphop, and whatever comes next.

## ODE TO WHISKEY



Stimulant depressant anodyne and sedative

These are all the things that whiskey has to give

Makes memory behave like a sieve

Remorse nostalgia anger love lust revenge depression

Are all store bought additives

To please the lusty demons and the dusty lemons

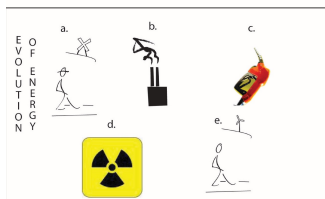
WHERE THE TERM 'OH MY GOD' COMES FROM



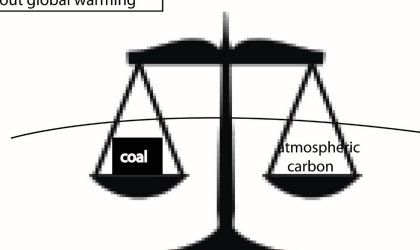
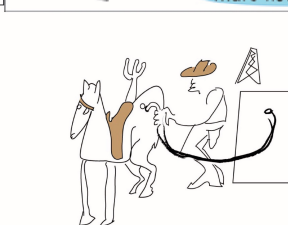
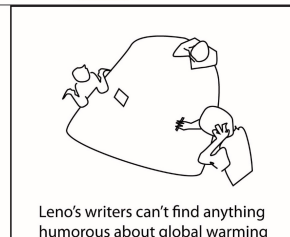
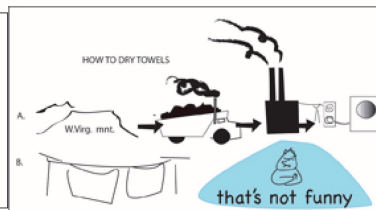
YOU GAVE THEM DOMINION? OH MY GOD!



I ask all Americans to keep using plastic bags and driving everywhere.



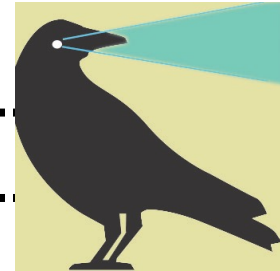
EVOLUTION



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## THE CROWSNEST

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### METASCIENCE IN THE AGE OF GLOBAL WARMING

Since advanced degrees don't fall off trees, scientists generally don't have a lot of them. This makes 'science' an amalgamation of specialities, like medicine or the arts. This vast collection of tight disciplines, 'science', misses out on a whole realm of investigation, what one could call 'meta-science'. I googled this term and could not find it being used in the sense I mean it, which is a world of inquiry that includes everything we know about, big small and in between. The fate of humanity on our little spaceship, for instance, is a question for crows-nest science, not for regular science, as we pursue this metaphor into uncharted seas. The in between range where we exist is infinitely complicated, buffered by the micro and the macro, and we need an overview. The science is open to interpretation, as I witness in the comments sections every time an article on global warming comes up, everybody chiming in with buzzwords and technical ephemera about forcings and mWs in the Pliocene, so the interpreter of these data sets should be a meta-scientist, scanning the future from the crow's nest. One should back away from the details and try to read the signs, which appear in different tongues, the languages of biology, sociology, physics, glaciology, entomology and so on, and they are also evident in the world around us, outside of the lab and the university and the government study. The meta-scientist doesn't have to be in the crow's nest, (s)he could be the captain on the bridge, in the fog, worried about surprises and grave dangers and unknown topology going forwards. You can't trust anybody else to notice the things that may define our future, the job market favors specialists who shy away from the grim over-arching responsibilities. With civilization, stopping, anchoring the boat is not an option. Time Waits for no (wo)man, but there lingers over the time horizon a growing probability that the ship will sink in unpleasant ways in an uncertain amount of time.

One role meta-science plays is searching for the right questions, the questions no one asks. These questions are not funded, do not have dedicated laboratories, and generally do not yield a paying academic career. A meta-scientist is a generalist, and there are many generalists in many arm chairs and on many on line computers, everybody is a generalist to some degree, and it's a common way to think about oneself as one argues over coffee and donuts or in the comments section. It's like being a singer-songwriter or a poet, it's something we become while making sense of the world, rather than something we study to

be. People also think of themselves as ethical beings, and ethics is a very general subject, very meta.

A meta-scientific institute, if there were such a thing, would have a large range of topics to study and cross-reference with completely different topics. The following are listed topics that the meta-science institute could consider and provide us with a broader understanding of.

Climate change: The subject of course goes way beyond climatology. It may be that the only area of human activity not affected by environmental disruption is on-line poker. Ethically, just looking at human progress through the meta- lens of climate change reveals a vast new world of inquiry into human behavior in which nothing is left out (except on-line poker). From the crow's nest one sees Borg-like mechanization, everybody in cars, everybody at room temperature, and with this physical comfort comes a disconnection between function, like transportation, and physical activity, like walking to the corner. Function and physical activity are the same thing in all creatures until mechanization comes along, and suddenly they have no relation to each other. (an illustration of this is soccer moms idling their Escalades beside the soccer field.. all that running around but you need a luxury truck to get home) That's a huge change with huge irreversible consequences. A scientist would not see that, only a meta-scientist. This view resembles how future survivors of climate change will look back on this current post-industrial fossil-fueled over-mechanized era of consumption.

The glaring disjunction between the functional and the physical led me to write a book on walking (available on Kindle), which was really about climate change, but more about health, and fundamentally about economics and recreation, ethics, evolution, lawn care and can openers. I depended on personal observation for my conclusions (that we are way over-mechanized), but I have no advanced degree, just a lifetime of observation, crow's nest duty, to qualify me to have a few thousand opinions. I like to think of my lack of academic credentials as a lack of bias; that's self-serving, but what isn't? Climate change is now a subject more for generalists, like me and Pope Francis, (we have both written on the same subject, drawing similar conclusions. Of course people actually read what he had to say) than specialists, and the education one gets at Higher Learning U. may not be the best preparation for studying this interdisciplinary gumbo of a field, mainly because no university has a dept. of meta-science. Academics are already contextualized, progress made within a certain set of problems, but meta-science is unexplored territory, a frontier.

In my book I concentrated on our daily lives and how we get around, mechanization and the alternatives, but that's not the only meta-subject.

Desertification: A deadly disease of the planetary skin. It turns out that this skin prefers the gentle walk of defecating, pissing migratory mammals to the livestock- farming habits of the dominant species. Herds of goats create deserts because they don't migrate, while herds of buffalo kept the Great Plains healthy, and herds of hungry elephants for the time being still keep the jungles green, all by processing the biomass. So what should be done with this insight? That's another meta-question.

Sea-levels: Why aren't the sea levels rising, as predicted by doom and gloom lefty warmers? The scientists don't know, at least I haven't heard a good explanation. I, the quintessential dilettante sticking my nose where it doesn't belong, have a theory about that. The water that rains on the land gets diverted for the needs of the growing biomass of humans. The extra water from melting glaciers is, in a general sense, walking around on the surface in the form of mammals, essentially as water balloons. This may be how to prevent sea level rise.. more water balloons, cause otherwise the waters are coming. If this biomass, us, all jumped into the ocean all at once, the water would rise. Most rivers are trickles by the time they reach the ocean. This is a subject for a meta-scientist to write a paper on.

Rising sea levels: What happens when ocean waters inundate the land? Will the toxins of an over-mechanized society kill the oceans? That is an easy extrapolation of our demise as when the oceans die, and these dead toxic oceans continue to inundate the land, it will become very difficult to maintain social order and any degree of comfort.. the water will be half way up the Washington Monument, and it will be poison.

Mammalian instincts: Since we are migratory mammals, how does that translate into our migrations, and what does that have to do with the price of gas? I know people who think any place on the planet is local. They fly and drive for whim or necessity, but certainly always propelled by the migratory instinct as much as by the transformation of mined petrochemicals into atmospheric CO2. One meta-problem is that these migrations are not physical, they involve sitting, except when changing planes, and again we are looking at the disconnection between function and physical activity, one is not using physical effort to get from here to there, the plane's engines are making the effort, not the transportee. The Olympic marathoner uses a car to actually get somewhere. The sailor only uses his boat for racing; to get somewhere he uses a car, plane or a power boat. That didn't used to be the case.

Physical activity: From what I have observed, as an anthropologist in my own neighborhood, physical motion cannot have a function as such, since function is the reserve of mechanical systems like cars and riding mowers and other large machines. For physical activity, we need non-essential, elective things to do like jogging, sports and treadmills. They are not as functional as hunting for food or farming or running from a bear or basic self-propulsion, and in the end the body doesn't get the constant motion that migratory mammals rely on to clean the internal organs. So the soccer moms idle their Escalades while the game is being played, having stopped by the gym on the way to pick up the kid. I see nannies parked at the end of the driveway, idling the Benz, waiting for the schoolbus, so that princess doesn't have to be outside and physical for more than a few seconds. When I was young I liked getting to school by bicycle, it was the only part of my day that made sense.

Biology: The energy in our bodies comes from the mitochondria, ultimately from the sun. This energy is a huge reservoir of potential to power our lives, power that has been idled by technological innovation. Human energy has always been utilized for survival, it could return as a power source and change how humans look at themselves.

Politics: looking at our obese democracy doing the bidding of obese corporations, building an economy based on replacing human energy with fossil fuel energy, global warming be damned, you are brainwashed by the media and the car ads that pay for it to feel silly if your life ISN'T mechanized.. So the treasure of the country goes to support the mechanization with roads, power grids, and vast dumps for the massive waste this system produces.. the feudal system was much more efficient than our oil-based bad-habit-land.

These observations are all well within the purview of meta-science, and so is looking at our basics, such as the Constitution, or just the bill of rights, to see who is over-empowered and who is under-empowered. This is part of the big picture that meta-science tries to recreate, and well worth investigating, but since meta-science as such doesn't exist, it is hopeless to apply for funding because no one is examining this except an unemployed ekofreak (me) with nothing better to do.

Fortunes of mechanization: What responsibility do the fortunes of mechanizations, Rockefeller, Koch, Duke, Getty, Ford, etc. have for global warming? Every pound of carbon in the atmosphere is a dollar on the ground, what are those dollars going to do about the thermal blanket of CO2 we have stupidly put around the planet? Again we hit the problem of there being no such thing as meta-science, so there are no university departments to fund should a fortune of mechanization wish to deal with the devastation we are going to see as a result of global warming. So the dollars go elsewhere, the Higgs, medicine, microbiology, all the specialities, not the generalities. The Ford Foundation is fighting inequality, great, but not global warming. They are not putting money into the problem of removing the carbon from the sky. The fortunes of mechanization should put some meta-scientist on their payrolls, to address this range of causes and consequences, but that's in a perfect world, not the one we live in.

Energy: There are many models for fusion reactors, and many specialists working on them, but what is the design that will actually power the future? One has to put resources behind the best alternative to coal and nuclear, since our society uses huge amounts of energy to run the appliances that dry a towel in 5 minutes. In order to determine the best design for a fusion reactor, one has to look at all the designs, which is already more meta than working on a single one. So that would be a great job for a dept. of meta-science, looking into all the designs and telling us what to bet on. These meta-scientists would need to be funded, so their discipline needs a name to put on the letterhead.. 'Dept. of Meta-science, Energy and Physics Division'.

Water vs gas: Figuring how to run our combustion machines on water is a sensible thing to do, it should be studied and all solutions, of which there are many, listed and described and realized according to the most efficient. Whether by electrolysis to create hydrogen or by turning water to steam, the consumption of fuels is reduced dramatically.

Economics: If the value of earth, pre civilization, is X, and the value of the economy is Y, the current value of the planet is X - Y, since value is based on what's been taken out of the earth. This extraction includes mining, which turns pristine mountains into toxic dumps, and drilling for oil and mining tar sands, which turns pristine Alberta into a toxic dump, and while polluting the atmosphere with carbon. All this transfer of value from the ground to the surface is so I can drive a truck for personal transportation. The climate is being affected



more and more, and people are spending time and money denying it. That's because they profit from fossil fuel, they are converting earth-value into personal wealth. I don't have any energy stocks so I use a bike.

## THE CROWSNEST

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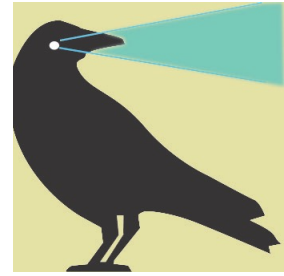
### Elegy at Sea

Roll him over board boys  
Send him to the lord  
A good life was what he had  
He did more good than bad  
always gave a penny more  
than he could afford  
gave a bit more advice  
than what he ignored  
heeded more or less  
what he ever needed  
only needed water

when the brine receded  
so roll him over board  
give his soul some wings  
then drink a toast or three  
and divvy up his things

further yelling from

## THE CROWSNEST



### SATANIC STATE IN THE LEVANT

Is ISIS satanic? They do display violent values that are traditionally ascribed to Satan. I have never believed in Satan, or in a white bearded God, for that matter, but my ignorance on this subject does not rule out the possibility of a force of great evil that spreads and attracts lost souls. There is much more evidence for this than there is for the existence of a white-bearded God, there could even be scientific evidence buried in the laws of entropy for the existence of evil.

I don't know much about the prophet Mohammad, one day I'll look at the Koran, check out the literature, but for our purposes he promoted pedophilia, suppressed women, and generally established the man as all-powerful lord of the house. This can all be said of the Catholic Church as well, it's boiler-plate patriarchy, but at least the Christian prophet, Jesus, was an a-sexual mystic, as far as we know. Mohamad was a mystic, but also a military leader and promoted slaying the enemy. The unbeliever is the enemy, as it was for Christians during the mediaeval period, as radical Islam morphs into radical intolerance, the evil amalgam of church and state, where rape, murder, brutal force, suicide bombing of innocent civilians are all fair play and religious duty. The lure is the belief-inspired bypassing of moral teachings, of compassion, of humanity, of borders, personal and international, in favor of brutality.

The young are brainwashed, much like the child armies of some recent African dictators, with a simple us/them version of the world, your default theocracy. The territorial imperative is given the status of holy law, the exclusive path to paradise, and this assertion awakens the darkest instincts, a negation of common morality that is common to the history of any country. In the Americas and Europe and elsewhere, the separation of church and state brought about the modern secular democracy, (after brutal state/ religion-sponsored conquests) but that message, that the intertwining of church and state is the ultimate cause of brutality and war, and that they should be separated, did not spread to the Mideast, where the church/state model is common. There was no Roger Williams of Arabia, and if there had been, he or she would have been officially decapitated.

Is this brutality endemic of humanity, does Satan sleep in all of us, ready to take over at any moment? If so, there may be an equivalent God in all of us, also arguing a point of view, like the little angels and devils sitting on opposite shoulders in the comics. That God and the Devil exist inside us, rather than in the natural world, is not a new idea, since the natural world seems fine without them. There is plenty of brutality and compassion in nature, and so we incorporate that into our DNA. God and Satan are anthropomorphic symbols of this duality. Real life symbols might be Mother Theresa and Chancellor Hitler, or Pope Francis the thoughtful and humble and al Bagdadi the rapist and murderer. It's the a-sexual versus the sexually violent.

God might be the problem, being benevolent and forgiving, but also fierce and unforgiving. Satan is incorporated into the idea of God. In Islam the believer becomes empowered by the boost Allah gives over weak moral compulsions, the decisions about what is right and wrong have been made already and questioning them will get you killed, this in spite of the undeniable fact the Allah the All-Merciful gave us brains.

The soldiers of Allah are fierce and unforgiving, choosing those attributes over the other options, but since Allah/God has infinite attributes, there is a long menu of values to emulate. Choosing the Satanic ones makes one a Satanist, however you cut it. The call to Jihad is an interpretation of his message, one that chooses the most brutal attributes of the prophet. This is irrespective of 'The Great Satan' being the USA. That may well be, since few have benefitted from American intervention in the Mideast besides Halliburton, and though there is plenty of brutality and arrogance everywhere, ISIS has a kind of evil that is systematized and injected like a drug into society, much like our foreign policy. ISIS destroys ancient art and archeological sites, to erase the past, to burn the bridges, to dream such a dream as can only be realized with great violence, a pure society. This is also what the Puritans sought when they left the malarial swamps of East Anglia for Massachusetts Bay, the new Jerusalem, which was also made possible by genocide. Evil takes strange forms, especially in the circular morass of a belief system, but we still haven't answered the question.

Is there good in ISIS? Mercy, forgiveness, kindness, humility, pathos, piety, I'm sure these attributes are somewhere in Islam, but not visible to the naked eye. They are attributes that help people live together in religious communities without getting on each other's nerves, and it's possible that ISIS members display these attributes towards each other. The brutality is just for people outside their community. If this is the case, then it is the depersonalizing of strangers, their incorporation into an antagonistic world view, that is at the core of the evil, as it was with the Nazis.

Whether or not Satan is like that is hard to determine, is he friendly towards his fellow devils? If the answer is yes, ISIS is satanic, that is Satan-like. Also Nazi-like, I'm sure the Nazis were friendly towards each other.

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## PLEASE EXCUSE ME

Please excuse me

For my misappropriation

For eating your wax fruit

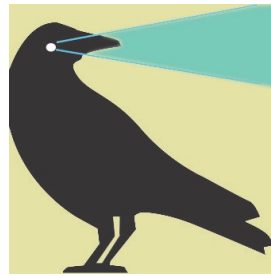
For not trying to be a better dog

For lunching with the ladies



# THE CROWSNEST

## ABSTRACT ON THE INEFFICIENCIES OF CAPITALISM



It is taught that free markets create efficiency and progress, but in important ways they don't. Neither do socialist markets, there is only one kind of market that is efficient, and that is the local, specialized market of a self-sustaining fishing or farming village. There the produce is bought from the producer on market days. The farmer growing onions barter for fish and potatoes. The fish is the catch of the day and the choices are limited. Everyone in the village has a job to do, which is the utopian formula of Calvinism that brought the puritans to our shores. The carpenter's son becomes the carpenter in turn, the skill sets passed down through the family like heirlooms. In the early colonies there was no garbage, everything from fish bones to potato peels was recycled.

Contrast this to the modern supermarket system, where the food comes from all over through a massive diesel-powered distribution system. There are many supermarkets competing for the household food budget, so each of them needs a supply of fresh cod, tuna, beef and ham in all forms and avocados from Chile as well as California, an embarrassment of choices, and two thirds of the produce is packaged in plastic, all to try to fill the backs of the Nissans and BMW's in the parking lot with plastic bags containing plastic bottles and plastic containers. This system burns through a lot of mined petrochemicals, hardly efficient, but the consumer gets what they want, the easy life. Overconsumption creates wealth and ease and some kind of contentment, but it also dissipates wealth, creating mountains and oceans of waste and a blind eye to that waste by packaging it, also in plastic, or simply dumping it into the ocean or the sky or the forest. The value being lost is the value of the nice planet we live on, which absorbs the waste and becomes less nice.

Efficient economies are not popular because much of the work is being done by people, not machines, and there's always a lot of work to do. The capitalist paradigm of mechanizing all function, however, requires many times more work, as the consumables are transported across the country and the amount of energy needed rises drastically.

Our consumer habits aren't the only example of systematic inefficiencies. Take for instance the great American holiday. Thanksgiving was traditionally a community day of fasting and repentance and thanking the lord for any bounty. Now it is another pressurized travel necessity, as family members gather from far-flung locations, all the aviating and driving made possible by cheap regular unleaded and kerosene (jet fuel) Holidays are rarely a community activity, all one sees is family and if you don't show up that is an insult to the idea of family. The idea of community has been devalued, neighbors rarely even know each other's names, and the idea of far-flung relatives being present for each other has quietly risen to replace it. The possibility of being at some particular place at some particular time translates into a necessity, and so, like consumables, people are on the mechanized move,

burning fuel. With physical proximity to family only a plane ticket away, people wander farther, a peripatetic migrating mammal in a seat, life an endless sit down dinner.

Cheap fossil fuels has created NASCAR, people driving around and around on an oval for hours and hours, never getting anywhere, at top speeds, burning tanker truck-loads of leaded fuel. That is as inefficient as it is possible to be.. value consumed not created.

Cheap fossil fuels has boosted individual empowerment, whereby with a tap of one's foot one has enough pure mojo to push a 5,000 lb gas-powered deep-roaring penis down the highway to the 7/11. With the wealthy this is amplified, as slick yachts and private jets provide empowered travel options and more waste. One yacht could carry a boatload of people to their destination, but the only travelers are the owner and his party, plus crew. The number of millionaires is in the millions, so we can see how wealth creates broad inefficiency through overconsumption. This could be balanced if the yachts were all given to the populations losing their terra firma under rising seas.

The home, or a yacht, is, in a capitalist system, a machine of consumption, not production. This was not always the case, a typical farmstead is very productive, creating far more value than it consumes. A barrio situation is, if not very productive, not inefficient either, since everything has to be used and waste is drastically reduced by poverty. The typical home on Long Island produces children and waste and little else. Children are the future, so that is a kind of production, but they grow up and move out and the home stays inefficient, producing nothing for the market but utility bills. The lifestyle is mechanized, people never leaving home except by car, never performing physically any function that can be done with power assist from an outside source. Moral comfort and physical comfort blend into each other and the result is a kind of low-watt happiness, with the day to day of the gym, the job, the salon, the doctor, the evening news and movies on cable. The aging process has a method, the masses have been mollified, the standards of modern life set in plastic. This was the point of social security and medicare, to give comfort and large recreational vehicles with televisions to the retirees.

It would be easy to read this diatribe and conclude that I'm a luddite trying to chase us back to the stone age, but all I'm proposing is an adjustment.. we have gone too far in our fuel dependence and have to cut down our habit, not just because of global warming, though that's a pretty good reason, but also because this power-assisted lifestyle is out of synch with our physical and nutritional and psychological needs as migratory mammals.

Is it efficient to use a riding mower to tend the lawn, then go up-stairs to the treadmill? Or to buy a bigger television and faster computer every year? Or to buy tomatoes that were grown in Israel instead of at the friendly farm down the road? The economy encourages this by sending messages through the advertising that you deserve the best, that luxury is available to the stressed middle class as it is to the rich, but this pseudo-luxury is only thanks to China's immense under-paid labor force, plus the minerals violently ripped from the earth that are eventually converted to waste, plus vast fleets of container ships and cargo planes and diesel trucks getting these products to the Long Island suburb, and from there to the landfills, plus the advertising that convinces us that we need these things. The

spiritual counterargument, that consumerism is not spiritual, is negated at the pulpit, as the material rewards are tagged as the work of the Lord, who gave us dominion to provide for ourselves at whatever cost to the planet or the future itself. Prosperity at all costs. The cost is the future that the retirees won't live to see, therefore don't consider it their business.

I should be offering a solution along with this critique, but the solutions are well known: buy local, get a bike, bring a bag, get a kayak instead of a motor boat, get an electric lawn mower (they are great, mowing the lawn is a pleasure without a gas engine), mix hydrogen with your fuel to make the engines we have more efficient, and teach kids to pay attention to what's going on around them, even if that means looking away from the screen for a brief time. These shoulds and finger-wags should not be legislated, it should be a voluntary thing, like a movement for common sense. Doing the right thing is like having decent shoes, it's the only way to go.

.....

before buying an assault rifle people should fill out a questionnaire. 1. who do you plan to assault? ans. a gay nightclub.

sorry, that's not an approved target.

ans. preschool.

no. we don't see that on the list.

movie theatre.

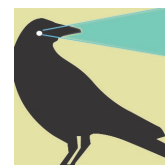
nope.

office party?

buddy are you sure this rifle is for you?

## THE CROWSNEST

### ZERO POINT ENERGY



The uncertainty principle states that you cannot know both the position and momentum of a particle. So take a point in a vacuum. You know its position, but its momentum cannot be zero, because that would violate the uncertainty principle. This leads to string theory and other formulations, also to zero-point energy theory, which posits that in all space there are harmonic oscillations. These oscillations may be tapped as electromagnetic energy, which apparently is how UFO's work; this is how alien ships move through space blissfully ignorant of Newton's laws. Tesla claimed that gravity doesn't exist, its all electromagnetic energy.

This technology of EM fields has, I hear, been acquired more than 50 years ago by certain 'Unacknowledged Special Access Projects' in our government, people who do not report to elected officials like the President but have taken control of the UFO

question. It is by downing UFO's with radar blasts that this technology was acquired. It has been kept highly secret for fear of weaponization. There are other motivations as well, and the 'in the know' types include names like Rockefeller, Bush and Koch, all oil barons of one kind or another. There are Russians as well, all dealing with this issue above all. It sounds like a conspiracy theory, and of course it is, but if zero point theory is valid (after all it was initially thought up by Max Planck, Werner Heisenberg and Nicola Tesla), then this narrative has a great probability of being true. That's the open question.

This is vaguely good news to those who are worried about global warming. Tesla was also concerned, and hoped to free humankind from this threat, since melting ice from global warming will eat up 2/3rds of the planet's land mass, ushering in the post-anthropocene quicker than anybody recommends. As a limitless source of energy to replace fossil fuels, this technology will disrupt the oil-based world economy, which is a primary motivation for the haves to bury the knowledge. However, at this point of no return, we have no choice but to wrest ourselves from the grip of the petrodollars and switch immediately to this alternate energy source. Since the zero-point technology isn't ready, we must implement alternative energy strategies, from wave energy, tide energy, solar energy, wind energy, bioenergy, turning out own waste products into energy, and, my personal recommendation, using the energy of our own bodies by not mechanizing all transport.

The argument against zero-point is that if you take energy from the zero point, you must be lowering the energy of the zero point, according to conservation laws, thereby causing a kind of paradox of finite limits. The counterargument (not that I know, I'm just guessing) is that the vacuum is a super-conductor of electromagnetic energy, so the energy you draw from a singularity has an infinite source. It would be nice if this were true, and it probably is. I saw a Qigong master light a crumpled paper with radiant energy from his hand. The Qi is obviously electromagnetic energy, which comes in the form of mass or radiation or electricity or Qi or even maybe gravity.

I don't know any physics, this is from trying to understand things beyond the mathematical models, which are gobbledygook to me. It is relevant to the issue of global warming and saving the old space-ball, and saving us in the process, and it's a good mental workout, and that's my excuse for wandering in over my head: deep concern.

## BAR NAPKIN 911 CALL

What is the nature of the emergency?

The planet is warming, officer. I don't know what to do.

Just keep calm, it doesn't sound like an emergency. Tell me where you are.

It's everywhere, it's not just a specific place!

But where are you right now? I have to report your position.

Same place we all are, near the point of no return.

I don't see that on the map. Point of No Return..Are you near shore?

The shore that's going to be an underwater garden.

Underwater gardens? Are you calling from some beach resort? Please give us your position.

It's too late, we can't avoid it any more. I have to move to a boat. (hangs up)