

Weird Anti-Science - Donna Bethell, SEPP and Sandia National Laboratories

John R. Mashey* 10/31/11

A recent Washington Post article elicited this fascinating letter:

“The Aug. 20 front-page article on the political ramifications of the arguments over climate change **quoted several people who said human activity is causing global warming and recounted data on global temperature statistics (as if that proves anything about human causation)**. It also cited two well-known skeptics of this claim. Were those skeptics allowed to explain why they are skeptics? No, they were only allowed to say that climate change is a political issue. **Well, duh.**”

When will The Post present the real arguments and let its readers decide whether there is a “consensus”?

Donna Fitzpatrick Bethell, Washington The writer was the undersecretary in the Energy Department from 1988 to 1989 and serves on the board of the **Science & Environmental Policy Project**”

The “skeptics” were Rush Limbaugh and Marc Morano, past PR aide to James Inhofe (R-OK). **SEPP** is mostly **S. Fred Singer**, who has a well-documented, multi-decadal history of driving anti-science campaigns.

Lawyer **Donna Bethell** shares strong pseudoscience and anti-science views with her husband **Tom Bethell**, a political journalist who has long campaigned against relativity, albeit without relevant math. His 2005 book *The Politically Incorrect Guide to Science* promoted intelligent design and AIDS denialism, but scoffed at any dangers from global warming, radiation, dioxins, DDT, loss of biodiversity, etc. It lauded Fred Singer and fiction writer Michael Crichton, but denigrated many scientists. She gave it a glowing 5-star review on Amazon. **Anti-science seems to have become all too common in US politics, but is distressing to find on the Sandia National Laboratories Board of Directors, where she has been a member since 2003 or earlier.**

*Dr. Mashey is an easy-to-Google semi-retired Bell Labs (1973-1983)/Silicon Valley (1983-) computer scientist/executive. He has worked with a wide variety of scientists, many of whom have used software or hardware he helped create. For the last few years he has been studying climate science & anti-science and energy issues. He had some old familiarity with Sandia, which was managed by Bell Labs 1949-1993 and he met Sandia people via supercomputing discussions in the 1990s. As a company officer at MIPS, he attended corporate Board meetings for years and is a long-serving Trustee at a nonprofit, whose Board vets candidate Trustees carefully, for much lower stakes than oversight of Sandia or MITRE.

Sandia is a wholly owned subsidiary of **Lockheed Martin Corporation (LMC)**, which manages it for the Department of Energy, spending \$2-\$2.5B/year. Its missions have expanded from nuclear-related work into national security, climate, environment and biology. *I think Sandia's ~8,500 employees include many fine scientists, engineers and computing people.* They deserve good governance, as do American taxpayers.

She and Board member **James Schlesinger** (Chairman of **MITRE**, past Director of **Peabody Energy** (coal) and **Seven Seas Petroleum**) have written climate anti-science pieces for thinktanks famous for such. Schlesinger has long cooperated closely with the **George Marshall Institute (GMI)** Chaired by **Will Happer**, a long-serving MITRE Board member. Tom Bethell has long associated with Singer, whose SEPP has always been tightly linked with GMI. Most are connected with **Arthur Robinson** of the Oregon Institute of Science and Medicine. In this tightly coupled network, strong ideology has long employed anti-science advocacy to bypass real science.

This is not just science illiteracy but well-organized anti-literacy.

People might be upset to find astrologers in positions of influence over NASA or tobacco executives in power over NIH, but for Sandia to have Board members who reject basic physics is no better.

I hope LMC can satisfactorily explain all this to the DOE, Congress and the American people. It raises serious questions of governance of a major physics-based national asset, when board members reject science they dislike.

He is a member of AAAS, AGU, APS, ACM, IEEE CS. He had planned to be a nuclear or high-energy physicist until he found computing irresistible, one course short of a 2nd BS, in Physics. As Chief Scientist at SGI, he often interacted with physicists at leading labs, and still cooperates with APS and AGU members.: www.desmogblog.com/science-article-recognizes-john-mashey

Wikipedia, other Wikis are not claimed as authoritative, but as useful reference sources to avoid massive citation expansion.. *Italicized* text here is opinion.

Emboldening in quotations is the author's. For brevity, titles and given names are usually omitted, no disrespect intended. JohnMashey (at) yahoo DOT com

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Glossary and Abbreviations

APS	American Physical Society
CEI	Competitive Enterprise Institute
GMI	George Marshall Institute
GMU	George Mason University
LMC	Lockheed Martin Corporation
OISM	Oregon Institute of Science and Medicine
SEPP	Science and Environmental Policy Project (~ Fred Singer)

Most people and organizations here appear in oft-cited earlier reports:

MAS2009 Science Bypass - Anti-science Petition to APS from folks with SEPP, George C. Marshall Institute, Heartland, CATO¹

MAS2010 Crescendo to Climategate Cacophony²

MAS2010a Strange Scholarship in the Wegman Report³

Likewise, these books are cited often:

BET2005 *The Politically Incorrect Guide to Science*⁴, Tom Bethell

BET2009 *Questioning Einstein: Is Relativity Necessary?*⁵ Tom Bethell

ORE2010 *Merchants of Doubt*,⁶ Naomi Oreskes and Erik Conway

¹ www.desmogblog.com/another-silly-climate-petition-exposed MAS2009

² www.desmogblog.com/crescendo-climategate-cacophony MAS2010

³ deepclimate.org/2010/09/26/strange-scholarship-wegman-report MAS2010a

⁴ www.amazon.com/Politically-Incorrect-Guide-Science-Guides/dp/B0058M9LZU BET2005 (or PIGSCI, using a pig logo)

⁵ www.amazon.com/Questioning-Einstein-Relativity-Tom-Bethell/dp/0971484597

⁶ www.merchantsofdoubt.org ORE2010

1 Overview

A recent USA Today editorial offered strong words:

“Coincidentally, USA TODAY’s Dan Vergano reported Monday, a statistics journal retracted a federally funded study that had become a touchstone among climate-change deniers.

Taken together, these developments ought to leave the deniers in the same position as the "birthers," who continue to challenge President Obama’s American citizenship — **a vocal minority that refuses to accept overwhelming evidence.**”⁷

Donna Bethell’s approach certainly fits that description, as seen from her published comments, **A.1.**⁸ She repeats with utter certainty the numerous pseudoscience and anti-science⁹ views of Singer and her husband.

She is enmeshed in a social network saturated in anti-science (§2).

Serious questions emerge:

- Who originally recommended her for the Sandia BoD?
- Who approved her and kept her on the BoD, since 2003 or earlier?
- Does she get paid for this, i.e., from the Federal budget through LMC?
- Is Bethell’s presence an aberration, or is it time for DOE and Congress to review LMC’s stewardship and governance of Sandia?¹⁰
- James Schlesinger (**A.5**) has often disparaged climate science while quoting fiction author Michael Crichton. Schlesinger seems to disagree with most US military organizations on threat of climate change to national security, but holds major positions of influence over Federal money at Sandia and MITRE. Was there a conflict of interest in his simultaneous Board memberships of Sandia, Peabody Energy and Seven Seas Petroleum?

⁷ “Our view: America, pick your climate choices,”

www.usatoday.com/news/opinion/editorials/2011-05-16-Report-puts-climate-change-deniers-in-hot-seat_n.htm

⁸ Most of this report consists of quotes, some of which may seem utterly bizarre.

⁹ As per MAS2010, p.7, pseudoscience tries to exaggerate credibility for unproven/disproven ideas, whereas anti-science tries to obscure science by any ideas, sometimes happily repeating pseudoscience. For example “global warming is caused mainly by planetary motion of Jupiter, Saturn” is pseudoscience. “It’s the Sun, cosmic rays, planets, microwave satellites, volcanoes, anything but anthropogenic CO₂” is anti-science, sometimes claimed simultaneously. en.wikipedia.org/wiki/Crank_%28person%29 may be relevant.

¹⁰ *Under Bell Labs’ management, would Bethell have been a Board member?*

The following pages (§2) show relationships and backup details, including connections with key funders and others. The net is a small subset of a closely linked network involved in climate anti-science activities. First, here is a short sample of Donna Bethell's quotes cited in the 8-page **A.1**:

01/24/11

"I have one question for Mark Boslough: **Can you cite the published evidence that shows that human-produced CO2 causes global warming? Please don't tell me "it's in the literature."** This is the fundamental question. Anyone who says, as you do, that human activity is changing the climate has to have this one nailed down and should be able to tell us where to find the evidence. Not the consensus, not what everyone except "deniers" knows, the evidence. That's the only way science works. ..."¹¹
I have been looking at both sides since 1988. The warmist side because it is unavoidable and the skeptic side because I look for it."

05/29/10

"We could stop all human CO2 emissions and there would be no discernible effect on climate, ever."

11/25/05

"(5 stars)This guide shows you other people are lost, ...
Most of us are a little afraid of science. We never quite got it in high school and it could be pretty icky, too:...
 So when something scientific comes up in the news, we are more than ready to defer to the experts. And if it's about something threatening, all the more reason to let them tell us what to do. But what if the experts are wrong? And how is the non-expert to know? **Never fear, Tom Bethell is here to help us separate the wheat from the chaff. ...**
 Read the admissions scientists make that aren't in the headlines: **there's no evidence for evolution; we don't know what's causing global warming;... why radiation and banned toxins are good for you; and the tragedy of the unnecessary ban on DDT.**
 You might be wondering **how science could go so wrong** about so many things. Ask yourself: what do almost all these topics have in common? The answer? **Government!** ... And evolution is vitally important to the worldview of many of the same groups because it is materialistic."

Appendix **A.0** introduces Sandia. Most of the rest are devoted to quotes from Donna Bethell (**A.1**), Tom Bethell (**A.2** and **A.6**) and James Schlesinger (**A.5**). Fred Singer (**A.3**) and Will Happer (**A.4**) have been discussed in detail in earlier reports, so treated only briefly.

My summarized opinions may seem harsh, but readers can study the carefully cited quotes, check contexts and form their own opinions.

The Bethells exhibit science illiteracy and fondness of pseudoscience, but go far beyond that into continual anti-science advocacy.¹² Tom Bethell uses high-school math to argue against relativity with senior physicists. The Bethells' views may be evaluated in light of the friends on whom they rely for "science:" Beckmann, Singer, Hayden, Robinson.

Happer is a distinguished atomic physicist, *but strong ideology seems to have totally nullified critical scientific thought on this particular topic.* Singer's decades of ideological anti-science have been well documented.¹³

*All are of course free to write what they like.¹⁴ I am delighted to find such things on the record. I hope they write more. They add evidence for my studies of the machinery of climate anti-science and its penetration into politics and governance of the US. Given what they say publicly, I'd guess **their emails would be really enlightening.**¹⁵*

As a taxpayer and old Bell Labs manager who thought Sandia was a national asset, I think it is utterly appalling, even frightening, to find a dedicated anti-science advocate on the Sandia Board.¹⁶

¹² "Mr. Madison, what you've just said Everyone in this room is now dumber for having listened to it." en.wikiquote.org/wiki/Billy_Madison

¹³ ORE2010, MAS2010, MAS2010a. Singer likes to talk to non-experts who hang on his words. Experts demolish him, but he keeps on repeating the same ideas.

¹⁴ But of course, not all opinions are worth much, especially on science.

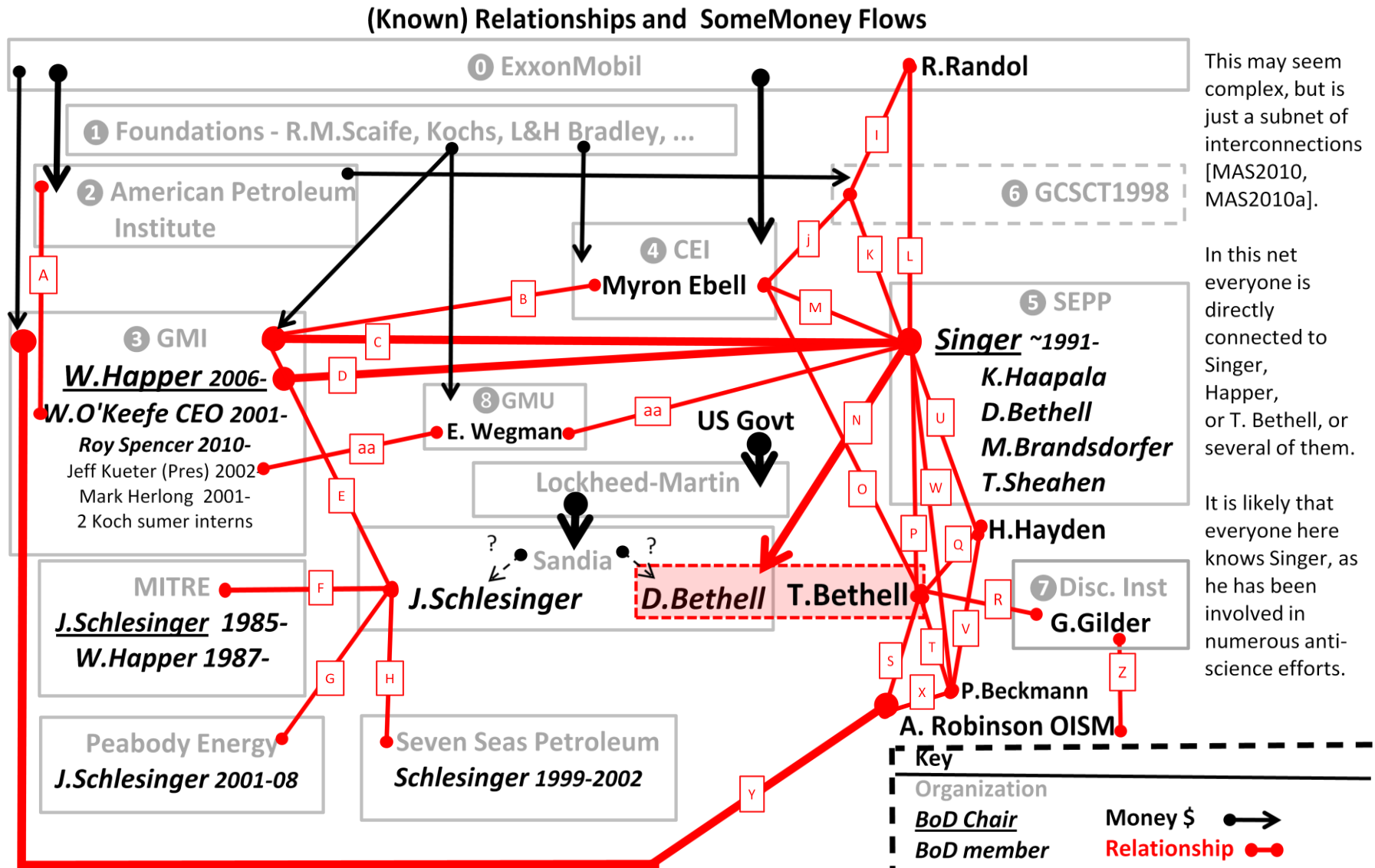
¹⁵ Far more than the irrelevancies of "Climategate."

¹⁶ Once upon a time, American leaders revered science and education. Ben Franklin is known as a scientist and founder of the predecessor of the University of Pennsylvania. People sometimes forget another good scientist of his era was Tom Jefferson, founder of the University of Virginia, now under repeated attack by **Ken Cuccinelli**. *Would Franklin and Jefferson be happy with anti-science at Sandia and relentless political attacks on scientists? Or would their hearts break?*

¹¹ Boslough is a well-published physicist at Sandia. Bethell is "afraid of science," but *she knows better than "warmists,"* such as the National Academy of Sciences.

2 Social Network, Activities, Organizations

Following is a sample visible relationships, with codes on next page to explain the links. Graphical limits cause Happer to appear twice.



- ① ExxonMobil¹⁷
- ① Foundations – R.M.Scaife, Kochs, L&H Bradley ...¹⁸
- ② American Petroleum Institute (API)¹⁹
- ③ GMI George Marshall Institute²⁰
- ④ CEI Competitive Enterprise Institute²¹
- ⑤ SEPP Science and Environmental Policy Project²²
- ⑥ GCST1998 – Global Climate Science Communications Team²³
- ⑦ Disc. Inst – Discovery Institute²⁴, Gilder was CoFounder
- ⑧ George Mason University²⁵
- A O’Keefe had been 25-year executive with API and Exxon lobbyist²⁶
- B GMI and CEI have cooperated closely²⁷
- C GMI founders were on SEPP’s Board, earlier relationships²⁸
- D Happer wrote blurb for Singer in 1999²⁹, likely knew each other before
- E Schlesinger has been involved with both GMI and Happer, A.5
- F Schlesinger is Chairman of MITRE, A.5
- G Schlesinger was on BoD of Peabody (coal), A.5
- H Schlesinger was on BoD of Seven Seas Petroleum, A.5
- I Randol was part of GCST1998 strategy project, hosted by API³⁰
- J Ebell attended GCST1998³¹
- K Singer’s wife Candace Crandall represented SEPP on GCST1998³²
- L Singer sends email to his BoD and Randol³³
- M Singer and Ebell have long known each other³⁴
- N Singer is clearly a strong influence on D.Bethell, as is her husband³⁵

¹⁷ MAS2010 pp.45-46, 93-96.

¹⁸ MAS2010 pp. 47-48, 93-96.

¹⁹ MAS2010 p.54.

²⁰ MAS2010 pp.62-66, ORE2010 (whole book).

²¹ MAS2010 p.55 A.3.

²² MAS2010 p.73.

²³ MAS2010 pp. 19-20, 82. This project built the key anti-science strategy..

²⁴ www.discovery.org, en.wikipedia.org/wiki/George_Gilder

²⁵ www.desmogblog.com/gmu-still-paralyzed-wegman-and-rapp-still-paranoid

²⁶ MAS2010 pp.144, 62-66.

²⁷ MAS2010a pp.27-32.

²⁸ ORE2010 p.5, 8 elsewhere.

²⁹ Fred Singer, *Hot Talk, Cold Science*, 1999. GMI connection is strong.

³⁰ MAS2010 pp.19-20, 147.

³¹ MAS2010 pp.19-20, 120-121. He was at a different thinktank at the time.

³² MAS2010 pp. 19-20, 116.

³³ A.3, 02/12/11, likely contact since 1998 or earlier, (GCST1998).

³⁴ MAS2010a, p.28, activities 01, 06, for example.

-- D.Bethell and T.Bethell were married ~1997-1998³⁶

O T.Bethell interviewed Ebell, if somehow did not already know him³⁷

P T.Bethell called Singer “my friend”³⁸

Q T.Bethell called Hayden “a friend of mine”³⁹

R T. Bethell wrote for Disc. Institute,⁴⁰ Gilder blurbed for book

S T.Bethell often wrote for and about Robinson, no later than 1993⁴¹

T T.Bethell wrote often about his friend Beckmann⁴²

U Hayden was early signer of APS2009, but has long Singer connection⁴³

V Hayden took over Beckmann’s *Galilean Electrodynamics*⁴⁴

W Singer wrote eulogy for Beckmann, relationship from 1980s⁴⁵

X A.Robinson took over *Access to Energy* from Beckmann⁴⁶

Y Steve Forbes relies on George Gilder, who relies on Robinson & sons.⁴⁷

Z OISM Petition Project, papers⁴⁸

aa MAS2010a, p.81. Singer and Kueter spoke for Wegman, likely knew earlier.

³⁵ A.1, 12/21/05.

³⁶ A.1 and A.2.

³⁷ BET2005, p.16.

³⁸ A.2, 02/17/10.

³⁹ A.2, 01/14/10. Bethell’s book via Vales Lake Publishing, www.valeslake.com = Howard Corwin Hayden (corkhayden), Jill Moring with same address.

www.amazon.com/Questioning-Einstein-Relativity-Tom-Bethell/dp/0971484597

⁴⁰ www.discovery.org/a/525 1998 Chapter written with Gilder.

⁴¹ www.accesstoenergy.com/view/atearchive/s76a1928.htm

www.accesstoenergy.com/view/atearchive/s76a2574.htm 10/01/93

www.independentscientist.com A Scientist finds Independence 02/xx/01

spectator.org/blog/2010/03/11/art-robinson-for-congress

spectator.org/blog/2010/06/24/classic-contest-in-oregons-4th

⁴² nexusilluminati.blogspot.com/search/label/gps%20satellites 02/18/11

⁴³ MAS2009, but given V and W they likely knew each other by 1993.

⁴⁴ nexusilluminati.blogspot.com/search/label/gps%20satellites 02/18/11

“Petr Beckmann, taken over by Howard Hayden”

www.valeslake.com/bookmart.htm

⁴⁵ www.accesstoenergy.com/view/atearchive/s76a2566.htm

“How do I remember Petr—... knowing him for the past decade? As a giant...”

⁴⁶ www.independentscientist.com

⁴⁷ www.discovery.org/v/30 Watch first 2 minutes: Gilder praises Robinson.

www.freerepublic.com/focus/news/2259670/posts

www.forbes.com/forbes/2007/0903/021.html Steve Forbes relies on Gilder and

daughter, Mary Ellen Tiffany Gilder at OISM. www.oism.org/news/s49p1835.htm

Forbes has often published climate anti-science by Heartland’s James Taylor, etc.

⁴⁸ MAS2009, p.88. *OISM Petition was facade for GMI, Robinsons for GM folks.*

See [MAS2010, pp.96-98] for the detailed explanations. This chart is extracted from those pages, with the addition of a few more people. It shows people versus activities and some of the relevant organizations. At right, any organization marked “T” has gotten tobacco funding, which has often coincided with climate anti-science funding. Higher numbers imply stronger involvement.

- Ebell, Happer and Singer have been involved in many such activities and organizations, for 1-2 decades.
- This kind of matrix only captures some kinds of activities. Some people have been more involved than appears here. For example, see Schlesinger's strong involvement with GMI, which only appears only once.
- From the earlier graph, T.Bethell also has many personal connections that do not appear here.

Most of the rest of this report simply quotes the Bethells and Schlesinger, with brief commentaries to support the strong opinions offered earlier. Some redundancy of quotes and comments occurs from the wish to make each section more self-contained.

A.0 Sandia National Laboratories

Sandia⁴⁹ has a \$2.5B budget and ~8,500 employees. Its main facility is in Albuquerque, NM, with a smaller branch in Livermore, CA, related to Los Alamos National Laboratory and Lawrence Livermore National Laboratory, respectively.⁵⁰ These are the 3 National Nuclear Security Administration (NNSA) weapons labs.⁵¹ Sandia has a major effort in “Energy, Climate, & Infrastructure Security.”

During my employment at Bell Labs (1973-1983), people sometimes asked how our obvious communications business was involved in seemingly far-removed activities, such as SAFEGUARD anti-ballistic system design,⁵² Sandia management and other defense project implementations. The following comments were typical:

“The fact is,” says [Bell Labs] President Baker, “we have plenty to do without beating a single bush for military work. I’ll never say we begrudge the time and effort defense jobs take, but there is no denying that they have sometimes slowed down the things we want to do for the Bell System.” ...⁵³

Bell Labs managed Sandia ~1949-1992:

‘Through four decades of discovery AT&T shepherded the lab, watching over one of our country’s national treasures, ... “It’s a different AT&T,” a company spokesman said last week. And a different world. At the request of then President Truman, AT&T took on and maintained a no-profit contract for more than 40 years at Sandia. Finding a company willing to take AT&T’s place on the same terms -- for the good of the nation and not the bottom line -- would likely be next to impossible. For those reasons, DOE sources last week said the new RFP and eventual contract will include fees to the contractor over-and-above the cost reimbursement.’⁵⁴

⁴⁹ www.sandia.gov

⁵⁰ During the 1990s, I met various Sandians from both NM and CA, given their long involvement in supercomputing. See MAS2009, p.49.

⁵¹ en.wikipedia.org/wiki/National_Nuclear_Security_Administration, i.e., this is an entity with rather serious responsibilities.

⁵² I worked closely with many ex-SAFEGUARD software people, as they shifted to more commercially-relevant computing projects in the 1970s.

⁵³ Prescott C. Mabon, *Mission Communications*, 1975. Chapter 10 explains the various National Defense activities. For decades after WW II, few organizations had the systems-engineering experience to handle such work.

⁵⁴ findarticles.com/p/articles/mi_m0EKF/is_n1911_v38/ai_12338109/

Martin Marietta assumed management of Sandia in 1993, and in 1995 merged with Lockheed to form LMC, running Sandia as a wholly owned subsidiary.⁵⁵ Current Facts and Figures⁵⁶ show:

Budget: FY10: \$2.366B, FY11 Estimate: \$2.507B

Revenue: Weapons activities: FY10: \$978M, FY11 Estimate: \$1104.

Energy efficiency and renewable energy: FY10: \$90M, FY11 Est: \$76M.

Staff: FY10: 8,245, FY11 Est: 8,692.

*Sandia has fine scientists, engineers and computing people.*⁵⁷

*An important national resource deserves a technically literate, minimally ideological Board of Directors. Not every Board member need be a science expert, but when mainstream science is repeatedly declared wrong by an economist (Schlesinger) and a lawyer (Bethell), there may be a serious governance problem.*⁵⁸

Given his fossil fuel connections and strong climate anti-science views, Schlesinger’s defense experience might well have come with real conflicts of interest.

It is even less obvious why Bethell is deemed an appropriate Board member,⁵⁹ given her determined rejection of many areas of well-established science, including several important to Sandia.⁶⁰

⁵⁵ Sandia or LLNL are government (.gov) entities managed by outside groups. <https://www.llnl.gov/about/mgtspnsors.html> for example.

⁵⁶ www.sandia.gov/about/faq/

⁵⁷ I’ve also met a few LMC people (many work in Silicon Valley) and thought they were competent as well, so this situation seems weird.

⁵⁸ Perhaps it goes further. MAS2009 lists a few people with Sandia connections: Castle (p.83), Cuderman (p.85), Fritz (p. 92), Hayes (p.101), but they all appear to be retired, as per the demographics described on p.12.

⁵⁹ Her Reagan-era history at DOE seemed mostly administrative and she only continued a year into the Bush period.

⁶⁰ Sandia work includes biosciences, an area that makes little sense if one prefers creationism to evolution, and climate science, which she denigrates. Sandia also takes radiation issues seriously and scientifically. *As hormesis fans, she and her husband do not seem to do so, but perhaps they have no real background in nuclear physics.*

A.1 Donna Fitzpatrick Bethell

Following are articles by Donna Bethell (red) or by others (black), sometimes generating comments by her. ← are especially informative.

- 08/24/11 Donna Bethell, Letter to Editor, Washington Post ←
- 8/19/11 Joel Achenbach and Juliet Eilperin, Washington Post, Climate-change science makes for hot politics
- 06/22/11 Donna Bethell Post at Steve Milloy's Junkscience.com
- 05/11/11 Jean Chemnick, Vatican report shines light on divisions within the U.S. faith community
- 03/18/11 Donna Fitzpatrick Bethell - Paulus Institute
- Current Donna Fitzpatrick Bethell - Christendom College
- Current Donna F. Bethell - Imago Dei
- 02/12/11 Fred Singer, SEPP Newsletter TWTW
- 02/01/11 Mark Boslough, The Eye of Sauron is Upon Me
- 01/24/11 Mark Boslough, Climate-change deniers ignore science, Santa Fe New Mexican. (many quotes) ←
- 08/05/10 Fred Singer, email to various people
- 05/29/10 Donna Bethell, SEPP Newsletter TWTW ←
- 09/05/09 Donna Bethell to Cardinal O'Malley: The Church failed Sen. Kennedy
- 05/26/08 Donna F. Bethell, Added to OISM Petition list
- 09/06/07 Sandia National Laboratories, 2007 Annual report
- 11/21/05 Donna Bethell Reviews husband's *The Politically Incorrect Guide to Science* ←←
- 01/24/03 Howard Kercheval, Sandia Lab News.
- 08/23/98 Donna F. Bethell, Reviews Tom Bethell book, *The Noblest Triumph: Property and Prosperity Through the Ages*
- 03/02/90 Thomas W. Lippman, George Lerner, Jr. Washington Post, Energy Department Reassigns Some Management Functions
- 03/08/89 George H. W. Bush, Nomination of Donna R. Fitzpatrick To Be an Assistant Secretary of Energy
- 06/14/88 Ronald Reagan, Nomination of Donna R. Fitzpatrick To Be Under Secretary of Energy
- 07/31/85 Ronald Reagan, Nomination of Donna R. Fitzpatrick To Be an Assistant Secretary of Energy
- Current Radiance Services and Cauldron Company

08/24/11 Donna Bethell, Letter to Editor, Washington Post⁶¹ ←

"The Aug. 20 front-page article on the political ramifications of the arguments over climate change quoted several people who said human activity is causing global warming and recounted data on global temperature statistics (**as if that proves anything about human causation**). It also cited **two well-known skeptics of this claim**. Were those skeptics allowed to explain why they are skeptics? No, they were only allowed to say that climate change is a political issue. **Well, duh.**"⁶²

When will The Post present the real arguments and let its readers decide whether there is a "consensus"?

Donna Fitzpatrick Bethell, Washington

The writer was the undersecretary in the Energy Department from 1988 to 1989 and serves on the board of the Science & Environmental Policy Project."

08/19/11 Joel Achenbach and Juliet Eilperin, Washington Post, Climate-change science makes for hot politics⁶³

"That humans have contributed to the warming through industrial activities is a theory supported by multiple scientific organizations, including the National Academy of Sciences, the American Association for the Advancement of Science, the U.S. Global Change Research Program, the National Oceanic and Atmospheric Administration, and NASA. ... The full impact of the greenhouse gases that we've already added to the system today won't be felt for 20 or 30 years," said Bill Chameides, dean of the Nicholas School of the Environment at Duke University and co-author of a recent **National Academy of Sciences** report, "America's Climate Choices." ... Their conclusion is stated in the report's first sentence: "**Climate change is occurring, is very likely caused by human activities, and poses significant risks for a broad range of human and natural systems.** ... When Romney endorsed the consensus scientific view, talk-radio titan **Rush Limbaugh** immediately declared: "Bye-bye, nomination. Another one down." Climate change, said **Marc Morano**, publisher and editor of the skeptical Web site [Climate Depot](http://ClimateDepot.com), is "a litmus test, pure and simple, for the presidential race."

⁶¹ www.washingtonpost.com/opinions/global-warming-ever-the-politically-hot-topic/2011/08/21/gIQA04SabJ_story.html

www.sepp.org/twtwfiles/2011/TWTW%208-27-11.pdf

⁶² She seems to prefer Rush Limbaugh and Marc Morano to the National Academy. Certainly, she comments at Morano's website. He is not a scientist.

⁶³ www.washingtonpost.com/national/health-science/climate-change-science-makes-for-hot-politics/2011/08/18/gIQA1eZJQI_story.html

06/22/11 Donna Bethell Post at Steve Milloy's Junkscience.com⁶⁴

"Donna Bethell | June 22, 2011 at 6:08 pm |

Another ice age is overdue,⁶⁵ as the current interglacial is already several thousand years longer than the recent average. I used to wonder how long it took for glaciers to creep down from the Arctic to Ohio, until it was explained to me that they don't creep, they form in place. One year the snow never melts and the next winter it just piles higher, and so on."

05/11/11 Jean Chemnick, Vatican report shines light on divisions within the U.S. faith community⁶⁶

"When the Vatican released a report last week calling man-made climate change "serious and potentially irreversible" and advocating aggressive action to curb emissions, it stirred up old divisions within the U.S. faith community over whether human activity can affect creation and what should be done about it. ...

Some Catholics also disputed the validity of the Vatican report, which was conducted under the auspices of the Pontifical Academy of Sciences, the scientific arm at the Catholic church headquarters.

"**This is not a scientific report, it's an advocacy piece,**" said **Donna Bethell**, an undersecretary of Energy during the George H.W. Bush administration who now serves on the board of Christendom College, a Catholic college in Virginia.

Bethell said the Vatican is right to support scientific research but said the report offered no new scientific findings. Furthermore, **she disagreed with the report's assertion that the environmental and health consequences of climate change would be felt primarily by "those 'bottom 3 billion' people who are too poor to avail of the protections made possible by fossil fuel use and industrialization."**

⁶⁴ junkscience.com/2011/06/20/supreme-court-backs-off-alarmist-climate-science/comment-page-1/#comment-3307 Anyone unfamiliar with Milloy might read MAS2010 p.140 or Chris Mooney, *The Republican War on Science*, or en.wikipedia.org/wiki/Steven_Milloy. *A Milloy connection is no plus.*

⁶⁵ She seems to think an ice age is coming soon, a common anti-science meme. www.skepticalscience.com/heading-into-new-little-ice-age.htm

Given current and committed CO₂ levels, no new ice age can be expected for tens of thousands of years, at least. See David Archer, *The Long Thaw*, 2008, Chapter 12. See also William Ruddiman, *Plows, Plagues and Petroleum*, 2005 or August 2011 issue of *The Holocene*, hol.sagepub.com/content/21/5.toc.

⁶⁶ coejlblog.blog.com/2011/05/11/vatican-report-shines-light-on-divisions-within-the-u-s-faith-community/

But Bethell agreed with Beisner⁶⁷ that poorer parts of the world would **suffer most from actions aimed at limiting fossil-fuels consumption**, because it would inhibit their economic growth. She recalled making that argument in the late 1980s, when DOE and other federal agencies began to discuss ways to mitigate the causes of climate change at home and abroad. "What you are proposing is just flatly immoral," she said. "You are telling a third of the world that the pie is empty — there isn't anything for them."⁶⁸

03/18/11 Donna Fitzpatrick Bethell - Paulus Institute⁶⁹

(Retrieved 08/31/11, date above was last modify date)

"**Donna F. Bethell** serves as Chairman of the Board of Directors of **Christendom College** in Front Royal, Virginia, and of **Imago Dei, Inc.**, which organizes study groups for John Paul II's theology of the body. She is **president and CEO of Radiance Services Company**⁷⁰ and a **director and vice president of Cauldron Company**. **She is a member of the board of directors of Sandia Corporation**, a subsidiary of Lockheed Martin Corporation, which operates Sandia National Laboratories for the U.S. Department of Energy."⁷¹

Current Donna Fitzpatrick Bethell - Christendom College⁷²

"Donna Fitzpatrick Bethell, Esq., Chairman of the Board (President, radiance Services Company)"

Current Donna F. Bethell - Imago Dei⁷³

"Donna F. Bethell, J.D., Chairman
Chairman of the Board of Directors, Christendom College*"

⁶⁷ www.sourcewatch.org/index.php?title=E._Calvin_Beisner
rationalwiki.org/wiki/E._Calvin_Beisner

⁶⁸ Of course, the poorest people consume very little fossil fuel. *Perhaps Bethell's concern is more for the possibility that Americans might use less.* See thingsbreak.wordpress.com/2009/01/08/lomborg-long-game for discussion of this meme, applied by political groups that usually pay zero attention to the poorest.

⁶⁹ www.thepaulusinstitute.org/advisors/Donna%20Fitzpatrick%20Bethell.htm

⁷⁰ Radiance and Cauldron are covered at the end of this section.

⁷¹ Generally, Bethell has cited DOE experience, rarely cites Sandia or SEPP, and I never found the last two cited together. This one showed the Sandia role.

⁷² www.christendom.edu/about/board.php

⁷³ www.imagodei-tob.org/aboutus.html

02/12/11 Fred Singer, SEPP Newsletter TWTW⁷⁴

“Governance: With the passing of SEPP chairman Prof Frederick Seitz⁷⁵, we reconstituted the Board of Directors:

Chairman: **S. Fred Singer** (and President)

Vice Chairman: **Kenneth A. Haapala** (and Exec VP)

Directors: **Donna Fitzpatrick Bethell**, former Under Secretary, US Dept of Energy

Mark Brandsdorfer, Esq

Thomas Sheahen, PhD (MIT, Physics)”

02/01/11 Mark Boslough, The Eye of Sauron is Upon Me⁷⁶

This mentioned Bethell’s comments, led to next reference:

01/24/11 Mark Boslough,⁷⁷ Climate-change deniers ignore science, Santa Fe New Mexican.⁷⁸ ← This got 275 comments, not easy to follow. All Bethell’s comments are extracted in order from oldest to newest.⁷⁹

“Donna Bethell

I am shocked, shocked to learn that the Heartland Institute is trying to influence what information is available to the public.⁸⁰ That certainly puts

⁷⁴ www.sepp.org/twtwfiles/2011/TWTW%202011-2-12.pdf, p.4. See **A.3** for more.

⁷⁵ Seitz died 03/02/08.

⁷⁶ puckerclust.wordpress.com/2011/02/01/the-eye-of-sauron-is-upon-me

⁷⁷ From next, “Mark Boslough is a physicist and computational modeler at Sandia National Laboratories, and an adjunct professor of Earth and Planetary Sciences at UNM.” He is a well-published Caltech Physics PhD:

catalog.unm.edu/catalogs/2011-2012/colleges/arts-sciences/earth-planet-science
scholar.google.com/scholar?q=mb+boslough

⁷⁸ www.santafenewmexican.com/Opinion/Looking-in--Mark-Boslough-Climate-change-deniers-ignore-science

⁷⁹ DISQUS supplies no fixed dates, and consolidates older ones, i.e., “7 months ago.” One must click “Load more comments” many times. I copy everything and eventually create a PDF to allow Full Search. Indefinite editing by authors seems possible, so comments might change retroactively. Comments are unnumbered, and no links to them possible. All this makes long blog discussions hard to follow and reference. At most blogs one could link directly to comments.

⁸⁰ Unlike the other organizations mentioned, tobacco companies stay in business by addicting children. (Non-profit, 501(c)3) Heartland has helped for many years, so appears often in the Tobacco Archives, but does not reveal “contributions.”

legacy.library.ucsf.edu/tid/eyn18c00/pdf

legacy.library.ucsf.edu/tid/qwi82c00/pdf

them in the despicable company of the NY Times, Fox News, MSNBC, the Sierra Club, all politicians, General Motors, Wikileaks, and who knows whom else. Oh, and all of us. ...

That's what an organization does! What do you think goes on at staff meetings of the Democratic National Committee? Do you think they are trying to figure out how to make Republicans look good? ...

I have one question for Mark Boslough: **Can you cite the published evidence that shows that human-produced CO2 causes global warming?** Please don't tell me "it's in the literature." This is the fundamental question. **Anyone who says, as you do, that human activity is changing the climate has to have this one nailed down and should be able to tell us where to find the evidence.** Not the consensus, not what everyone except "deniers" knows, the evidence. **That's the only way science works.**⁸¹ ...

Oh, and **I do not agree** that Messrs. Cook and Smith have answered my question **or that the AGW theory has been observationally verified, whatever the role of physicists.**⁸² To be continued... ...

Thank you, John. I see that your arguments have already been addressed at motls.blogspot.com/2010/03/john-cook-skeptical-science.html ... and joannenova.com.au/2010/07/the-unskeptical-guide-to-the-skeptics-handbook I will read these materials with interest.⁸³

Thank you, Neal. **I have been looking at both sides since 1988. The warmist side because it is unavoidable and the skeptic side because I look for it.** I have not yet found it necessary to comment on anyone's abilities, charitably or not, much less how anyone makes an honest living. **I am interested in facts, wherever I find them.**”

⁸¹ Lawyer Bethell tells researcher Boslough how science is done. *She and her husband continually show great disdain for science and scientists. By the evidence here, her opinions on science are basically worthless. Is this how Sandia Board members publicly treat expert Sandia scientists?*

⁸² She firmly disagrees with the world's science societies, reminiscent of “birther” comments by USA Today. *She always seems sure that scientists are wrong.*

⁸³ Neither Lubos Motl nor Joanne Nova are climate scientists, but they have views. en.wikipedia.org/wiki/Lubo%C5%A1_Motl
rationalwiki.org/wiki/Lubo%C5%A1_Motl
desmogblog.com/joanne-nova

08/05/10 Fred Singer, email to various people⁸⁴

To: "Canadian Nuclear Discussion List" <CDN-NUCL-L@mailman1.cis.mcmaster.ca>
 Subject: [cdn-nucl-l] American Thinker:: Renewable electricity hoax, fraud, rip-off

From: "Jerry Cuttler" <jerrycuttler@rogers.com>⁸⁵

“----- Original Message -----

From: S. Fred Singer

To: Thomas Lifson

Cc: ken@haapala.com ; Mark@legalplanner.com ; Tom Sheahen ; Donna Bethell ; randy.randol@comcast.net⁸⁶

Sent: Thursday, August 05, 2010 9:06 AM

Subject: RE: Renewable electricity hoax, fraud, rip-off

Thank you, Thomas

I was particularly pleased to read some of the comments -- meatier than the original article

comments.americanthinker.com/read/42323/646560.html

You have sophisticated readers.

Best Fred (Fred's article attached, published by Lifson)

05/29/10 Donna Bethell, SEPP Newsletter TWTW⁸⁷ ←

“2. Response to Washington Post Editorial Insisting on Passing Kerry-Lieberman Cap and Tax.

By Donna Bethell, SEPP Director, May 21, 2010

For six months, news about the collapse of the "science" of human-caused climate change has filled international media and the Internet. Judging from your May 19 editorial, "A Climate for Change," the Post is unaware of some of the facts reported:

1. Dr. Phil Jones, former head of the UK's Climate Research Unit, told the BBC that the warming trend of 1975-1998 was not significantly different from those of 1860-1880 and 1910-1940 and that there has been no significant warming since 1995.¹ Then what evidence is there that human-caused CO2 is causing warming, as temperature increases and decreases the same way regardless of the CO2 level?

⁸⁴ mailman.mcmaster.ca/mailman/private/cdn-nucl-l/1008/msg00001.html

⁸⁵ MAS2009, p.86. Cuttler was an early signer (wave B) of APS2009.

⁸⁶ The email included Singer's SEPP associates plus **Randy Randol**, a key ExxonMobil lobbyist. MAS2010 p.19, 147, 82.

⁸⁷ www.sepp.org/twtwfiles/2010/TWTW%202010-05-29%20_May%2029%202010_%20F.pdf

Most of this is wrong or overstated, but has been well-covered elsewhere.

2. Thirty percent of the citations in the Fourth Assessment Report (AR4) of the Intergovernmental Panel on Climate Change (IPCC) are to non-peer-reviewed sources, including news articles and reports produced by advocacy groups.² Yet the head of the IPCC, Dr. R. K. Pachauri, says that "the IPCC studies only peer-review science."³

3 The AR4 was intended to be used and is used by policy makers to enact such legislation as is now proposed in the Senate. While the Post reported the IPCC's error in predicting that Himalayan glaciers could be gone by 2035, it did not report that the editor of that chapter admitted the claim was known to be unsubstantiated but was included in order to influence public policy.

How can we trust the IPCC -- or the Post?

Most importantly, consider this fact, which I have never seen in the Post: water, especially in low clouds, causes 95% of the greenhouse effect, yet the "climate models" do not include clouds. CO2 accounts for only about 3% of the greenhouse effect; human-caused CO2 accounts for about 3% of that 3%. Do the math: 3% of 3% is .09%. That is our contribution to the greenhouse effect from CO2. **We could stop all human CO2 emissions and there would be no discernible effect on climate, ever.**⁵

Donna Fitzpatrick Bethell

Under Secretary, US Department of Energy, 1988-1989

Member of the Board of Directors, Science and Environmental Policy Project

1. news.bbc.co.uk/2/hi/science/nature/8511670.stm

2. www.noconsensus.org/ipcc-audit/findings-main-page.php⁸⁸

3. timesofindia.indiatimes.com/india/No-proof-of-Himalayan-ice-melting-due-to-climate-change/articleshow/5213045.cms

4. www.dailymail.co.uk/news/article-1245636/Glacier-scientists-says-knew-dataverified.html

5. www.geocraft.com/WVFossils/greenhouse_data.html⁸⁹

⁸⁸ noconsensus.wordpress.com/2009/06/05/data-or-politics The reader will find: "No global warming again but that won't stop the media onslaught. **The media won't let the data slow them from continuing our march toward world-wide socialist governance.** You may find that statement extreme, in which case my opinion is – you aren't paying attention." (Jeff Id/Patrick Jeff Condon).

noconsensus.wordpress.com/2010/02/04/ids-out/

⁸⁹ Monte Hieb is a WV mining engineer, not a climate scientist.

09/05/09 Donna Bethell to Cardinal O'Malley: The Church failed Sen. Kennedy⁹⁰

"I can hardly think of a more disingenuous description of Senator Edward Kennedy's position than "he did not publically [sic] support Catholic teaching and advocacy on behalf of the unborn." Sen. Kennedy was an active opponent of Catholic teaching on the unborn and other matters, such as same-sex "marriage." He worked tirelessly to preserve legal abortion, earning 100% ratings from NARAL and Planned Parenthood. ... **You put the credit of the Catholic Church at the service of lies and the legacy of a public apostate who spent nearly 40 years of his political life in open, active hostility to Catholic doctrine on an essential matter**"

05/26/08 Donna F. Bethell, Added to OISM Petition list⁹¹

This is a famous anti-science effort, using the Oregon Institute of Science and Medicine essentially as a front for GMI.⁹²

09/06/07 Sandia National Laboratories, 2007 Annual report⁹³

The Sandia Board includes Donna Bethell and James R. Schlesinger.⁹⁴

11/21/05 Donna Bethell Reviews Tom Bethell's *The Politically Incorrect Guide to Science*⁹⁵ See A.6. ◀◀

"(5 stars)**This guide shows you other people are lost**, November 21, 2005
This review is from: **The Politically Incorrect Guide to Science (Politically Incorrect Guides) (Paperback)**

Most of us are a little afraid of science. We never quite got it in high school and it could be pretty icky, too: wriggling worms and frogs and smelly chemicals. So when something scientific comes up in the news, we are more than ready to defer to the experts. And if it's about something threatening, all the more reason to let them tell us what to do.

But what if the experts are wrong? And how is the non-expert to know? Never fear, Tom Bethell is here to help us separate the wheat from the chaff. It turns out that all it takes is a little common sense and some digging --

⁹⁰ lesfemmes-thetruth.blogspot.com/2009/09/from-donna-bethell-to-cardinal-omalley.html

⁹¹ web.archive.org/web/20080526141422/www.oism.org/pproject/pproject.htm#334.

⁹² MAS2010, p.88. See www.oism.org

Kamen and Merrifield have been deceased for years, are still listed as "faculty."

⁹³ www.sandia.gov/news/publications/annual/2007/lead2.html

⁹⁴ It is nontrivial to find public Sandia Board listings.

⁹⁵ www.amazon.com/gp/pdp/profile/A3LNB57AWZUUY/ref=cm_cr_pr_pdp

well, a lot of digging -- in newspapers, journals, and among scientists who don't follow the party line. Then connect the dots and you have *The Politically Incorrect Guide to Science*.

Read the admissions scientists make that aren't in the headlines: **there's no evidence for evolution; we don't know what's causing global warming; in Africa you don't have to have HIV to be diagnosed with AIDS**; any benefits from stem cell research could be decades away, if ever. And it is readable, laid out for the layman. Just keep turning the pages for the eye-popping truth about the Human Genome Project; cloning; the dead end street cancer research is on and where it missed the turn; **why radiation and banned toxins are good for you**; and the **tragedy of the unnecessary ban on DDT**.

You might be wondering how science could go so wrong about so many things. Ask yourself: what do almost all these topics have in common? The answer? Government!⁹⁶ With the exception of evolution (i.e., the theory that life came from non-life and one species comes from another after a series of random mutations), **they all have been the object of government programs, either spending that benefits researchers and social workers or extensive regulation in response to the demands of interest groups.** These groups thrive on threats to public health and often have other agendas, such as curtailing population growth and economic activity. **And evolution is vitally important to the worldview of many of the same groups because it is materialistic.** Therefore man can make his own moral rules and build his world as he likes.

If you are a student thinking about these matters, you will find Bethell's sources in hundreds of endnotes, ready for further reading and citation in your term paper that will infuriate your professor and probably earn you a D. But think of the fun you will have demanding that the prof actually refute what you have written. **If you are a taxpayer, write your congressman and ask why he keeps throwing money down every bottomless pit presented to him.**⁹⁷

Dr. Johnson said that no one but a blockhead ever wrote a book except for money. **Maybe Mr. Bethell did, but as his wife, I hope not. Buy the book."**

⁹⁶ Her bios have usually emphasized her role at DOE, i.e., government.

⁹⁷ Via DOE, US tax money pays for Sandia, including any money to Board members.

01/24/03 Howard Kercheval, Sandia Lab News.⁹⁸

“Ever wonder just who beyond the lab campuses reads the *Lab News*? Well, **Donna Bethell** does. She’s a **physicist**⁹⁹-**lawyer-business executive and a member of the Sandia Corporation Board of Directors**, and she weighed in recently on the matter of whether to capitalize the name of our planet. “I enjoyed your item (What’s what, December 13) about capitalizing Earth,” she wrote. “You are so right. You asked about names for our sun and satellite. They are Sol and Luna, their Latin names.” (Still remembers the physics training.) But she hedged just a bit, writing that she’ll “wait for a real astronomer to set me straight!” (That’s the lawyer part!)”

08/23/98 Donna F. Bethell, Reviews Tom Bethell book, *The Noblest Triumph: Property and Prosperity Through the Ages*¹⁰⁰

“... The lessons are as immediate as the economic crisis in Asia and as practical as chicken soup for a cold. Dr. Johnson also said that no one but a blockhead ever wrote except for money.¹⁰¹ **Maybe Bethell did, but as his wife, I hope not. Buy the book.** Donna Fitzpatrick Bethell”

03/02/90 Thomas W. Lippman, George Lerner, Jr. Washington Post, Energy Department Reassigns Some Management Functions¹⁰²

“**Donna Fitzpatrick**, last remaining Reagan appointee in the senior ranks of the Energy Department, **has resigned** as assistant secretary for management and administration, and yesterday Energy Secretary James D. Watkins eliminated her job. Watkins said Fitzpatrick’s functions would be split among three new separate offices: Procurement and Management ...”¹⁰³

⁹⁸ www.sandia.gov/LabNews/LN01-24-03/labnews01-24-03.pdf , p.2.

This is the earliest date I have for Bethell on Board.

⁹⁹ *Physicist?* There is no sign of this in her educational history or publications. *Was this her claim or Kercheval’s error?*

¹⁰⁰ www.amazon.com/review/RDJPG61H3VMN8

This is the earliest date showing her married to Tom Bethell. One 1997 reference in **A.1** shows her still using maiden name.

¹⁰¹ She seems fond of this quote.

¹⁰² www.highbeam.com/doc/1P2-1113374.html

¹⁰³ So, the Assistant Secretary role lasted about a year and she was not retained.

03/08/89 George H. W. Bush, Nomination of Donna R. Fitzpatrick To Be an Assistant Secretary of Energy¹⁰⁴

“The President today announced his intention to nominate **Donna R. Fitzpatrick** to be an Assistant Secretary of Energy (Management and Administration). She would succeed Lawrence F. Davenport. **Since 1988 Miss Fitzpatrick has been Under Secretary of Energy** in Washington, DC. Prior to this she was **Assistant Secretary for Conservation and Renewable Energy, 1985 - 1988, and Principal Deputy Assistant Secretary for Conservation and Renewable Energy, 1984 - 1985**. She was sole practitioner of law and consultant to the Secretary and Under Secretary of the Department of Energy, 1983 - 1984. She was also an associate attorney with O’Connor & Hannan, 1980 - 1983. **In 1980 she served the office of the President-elect as a member of the transition team for the National Science Foundation.** From 1976 to 1980, she was a legal assistant with O’Connor & Hannan. **Miss Fitzpatrick graduated from American University (B.A., 1972) and George Washington University (J.D., 1980).**¹⁰⁵ She is a native of Washington, DC, where she currently resides.”

06/14/88 Ronald Reagan, Nomination of Donna R. Fitzpatrick To Be Under Secretary of Energy¹⁰⁶

“The President today announced his intention to nominate **Donna R. Fitzpatrick** to be Under Secretary of Energy at the Department of Energy. She would succeed Joseph F. Salgado. ... (as above) In 1980 Miss Fitzpatrick was a **member of the transition team for the National Science Foundation for the office of the President-elect.**¹⁰⁷ She has also been a legal assistant with O’Connor & Hannan, 1976-1980; faculty member at the Academy of the Sacred Heart, 1974-1976; and a faculty member at Georgetown Visitation Preparatory School, 1972-1974. Miss Fitzpatrick graduated from American University (B.A, 1972) and George Washington University (J.D., 1980). She was born May 9, 1948, in Washington, DC, where she currently resides.”

07/31/85 Ronald Reagan, Nomination of Donna R. Fitzpatrick To Be an Assistant Secretary of Energy¹⁰⁸ (noted for date, same information)

¹⁰⁴ www.presidency.ucsb.edu/ws/index.php?pid=16742#ixzz1WjhWWBaX

¹⁰⁵ This is not a physicist’s background.

¹⁰⁶ www.presidency.ucsb.edu/ws/index.php?pid=35967#axzz1Wjgx5MkP

¹⁰⁷ *She does not seem an obvious pick*, given that she was “afraid of science.”

¹⁰⁸ www.presidency.ucsb.edu/ws/index.php?pid=38954#axzz1Wjgx5MkP

Current **Radiance Services and Cauldron Company**

Cauldron seems to be a patent acquisition and licensing company, whose main activity is Radiance Services. It owns some patents for a high-technology cleaning process invented by Audrey Engelsberg, who seems no longer as strongly involved. *The technical process sounded interesting*, but as yet, I am unable to find much evidence of commercial success, not that it really matters to this discussion.

CURRENT WEBSITES

Radiance Services Company:¹⁰⁹

“Address:

4405 E WEST HWY # 411

Bethesda, Maryland 20814

USA

Phone: (301) 654-0228

Website: No information provided.

This is the headquarters of the company.

A Subsidiary Of

CAULDRON COMPANY

Classification:

Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)

Contact: DONNA BETHELL, PRESIDENT

Contact 2: RALPH L BENKO¹¹⁰

Contact 3: ALLAN F P CRUZ

State of Incorporation: MD

Est. Total Employees: 5

Est. Employees Here: 2

Est. Years in Business: 22

Est. Total Sales: \$900,000”

Cauldron Company¹¹¹

“Address:

4405 E WEST HWY # 411

Bethesda, Maryland 20814

USA

Website: No information provided.

This is the headquarters of the company.

Classification:

Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)

Contact: RALPH L BENKO, PRESIDENT

Contact 2: DONNA BETHELL

Contact 3: ALLEN MYERS

State of Incorporation: MD

Est. Total Employees: 6

Est. Employees Here: 4

Est. Years in Business: 23”

Cauldron Patents¹¹²

CURRENT, ENGELSBERG INVOLVEMENT NOT OBVIOUS

Audrey Engelsberg, LinkedIn¹¹³

“Project manager at IBM, greater New York Area

SPIE¹¹⁴

RosettaNet¹¹⁵

Shows Engelsberg @ IBM

¹⁰⁹ www.powerprofiles.com/profile/00005163838687/RADIANCE+SERVICES+COMPANY-BETHESDA-MD-%28301%29+654-0228

¹¹⁰ pipl.com/search/?FirstName=ralph+&LastName=benko&City=&State=&County=US&CategoryID=2&Interface=1

washingtonexaminer.com/node/106476 *D.Bethell’s beliefs would seem to align well with those of the Tea Party and there is a “Tea Partier” Ralph Benko. Although there is confusion over middle initials, this Ralph Benko seems the one with various Bethesda addresses, a different person than the Tea Partier.*

¹¹¹ www.powerprofiles.com/profile/00005164312898/CAULDRON+COMPANY-BETHESDA-MD

¹¹² patent.ipexl.com/assignee/Cauldron_1.html

¹¹³ www.linkedin.com/pub/audrey-engelsberg/8/81b/4b1

¹¹⁴ spie.org/app/profiles/viewer.aspx?profile=LRFSGG

¹¹⁵ www.rosettanet.org/dnn_rose/Standards/RosettaNetPrograms/MilestonePrograms/CompletedMilestonePrograms/SemiconductorTestDataExchange/SponsorsandProgramTeam/tabid/3064/Default.aspx

06/22/98 Design News, Laurie Peach¹¹⁶

“Cleaning process could make glass ‘radiant’”

“Besides flat panel display substrates, we are working with manufacturers on cleaning several other surfaces, including hard disks, optics, photomasks, and silicon wafers,” says Donna Bethell, president and CEO of Radiance Services Company.’

11/xx/97 “Brilliant Technology”, Craig C. Bailey¹¹⁷

Originally in Business Digest November 1997.

“Like many scientific discoveries, Audrey Engelsberg's was made serendipitously. But while the genesis of the company Engelsberg would help found in 1988 was accidental, the development of the firm has been the exact opposite. **An intellectual property company with a somewhat involved structure, Cauldron Co., the parent company of Radiance Laboratories Inc. in South Burlington, has not integrated its high tech patent into the marketplace, yet the valuation of the firm has grown twentyfold in less than 10 years to \$200 million. If you think this business is rolling forward on sheer power of potential and selling smoke along the way, you're only half right. Actually, it's selling light...**

Finishing her doctorate in physical chemistry in 1987, Engelsberg moved on to work for IBM's East Fishkill, N.Y., facility, while the patent process proceeded. In 1988, Dehais, who holds a bachelor's degree in chemical engineering from Princeton University and a master's from RPI, and Engelsberg formed Cauldron Co., holding company of Radiance Services Co., to hold the impending patent. **They teamed with Ralph Benko**, a lawyer associate of Dehais from his previous business endeavor, **who was a finance attorney-adviser for the U.S. Department of Energy**, and involved with the President's Commission on Privatization among other Washington endeavors. In June 1990, Engelsberg moved to Vermont to join Matt Rutten, an RPI alum working at the IBM Essex Junction facility, ... intending to work until her patent went through and Cauldron was ready to become a full-time occupation.

...

The patent was issued in June 1991, **shortly after Donna Fitzpatrick, then assistant secretary of energy in Washington, was taken in to help with marketing.** All four remain principals, owning 70 percent of Cauldron Limited Partnership, the financial arm of Cauldron Co., with another 175 limited partners owning the rest.

In less than a year, Engelsberg left IBM.” (long article)

12/18/95 Radiance Services Co., Industry Week¹¹⁸

‘Cleaning process removes microcontaminants without water, chemicals, or environmental waste By George Taninecz.

In 1987 **Audrey Engelsberg**, a graduate student at Rensselaer Polytechnic Institute in Troy, N.Y., was having a particularly bad day in the lab.... She then lamented to friend **Joseph Dehais**, who asked if the failure could be repeated. ...Engelsberg -- who did eventually earn her Ph.D. -- and Dehais sought legal counsel and filed for a patent in 1988. Approval came in 1991, followed by the formation of **Cauldron LP**. **The Radiance Process is marketed by Radiance Services Co., a Bethesda, Md., subsidiary of Cauldron LP's corporate general partner Cauldron Co.** The technology, trademarked as the Radiance Process, has been demonstrated to clean -- without water or chemicals -- contaminants to at least 0.1 micron from wafers, semiconductors, flat-panel displays, optics, fiber-optic cables, and industrial metals.

Engelsberg is now director, vice president, and chief technical officer of Radiance Services Co., and Dehais is chairman. They are joined by Donna Fitzpatrick, CEO and president, formerly an undersecretary in the Dept. of Energy....

"Frankly, we have not had the imagination to figure out for ourselves what this thing is good for," says Fitzpatrick. "People are coming to us and saying, 'Here's my problem.' ... It's working out to be better than we had dreamed." (long article)

Although good non-technical marketers often learn enough technical jargon to talk to the press, that does not make them technical experts.¹¹⁹ Perhaps this experience is a possible reason for earlier mention of “physicist.” This may just have been a mistake by Kercheval or perhaps Bethell thought she was a physicist by virtue of this experience.

¹¹⁸ www.industryweek.com/articles/radiance_services_co-_352.aspx

¹¹⁹ SGI had relatively technical sales and marketing people, who sold to technically-sophisticated customers who could and would ask questions that exceeded their knowledge, so technical experts were often included in sales meetings. The customers knew the difference.

¹¹⁶ www.designnews.com/author.asp?section_id=1386&doc_id=219485

¹¹⁷ www.vermontguides.com/1997/profil37.htm

A.2 Tom Bethell

Tom Bethell¹²⁰ and Donna Fitzpatrick seem to have married ~1997-1998, and she praised his book (A.6) strongly. He has clear opinions about science and scientists, which I would summarize as:

Mainstream scientists are wrong, heroic outsiders like his friends Fred Singer, Peter Beckmann and Art Robinson are right. High school algebra proves relativity wrong. Intelligent design is right, evolution wrong. Any science that disagrees with his ideology is wrong.

Bethell has written prolifically. Following are a few samples, his articles shown in red, items of particular interest marked ←.

- 02/18/11 What is the Speed of Gravity? – Much Faster than Light – Rethinking Relativity
- 06/24/10 Classic Contest in Oregon's 4th
- 03/11/10 Art Robinson for Congress
- 02/17/10 A Disgrace to Science, American Spectator, Climate Realists
- 01/14/10 Global Warmists Feel a Chilly Wind, Spectator.org
- 11/06/09 Absolutely Clueless About Relativity, Stephen M. Barr ←
- 09/xx/09 Can We Do Without Relativity? American Spectator
- 07/15/09 Questioning Einstein: Is Relativity Necessary?
- 12/01/05 Don't Fear the Designer
- 11/14/05 The Politically Incorrect Guide™ to Science A.6 ←←
- 10/01/93 Dr. Petr Beckman

02/18/11 What is the Speed of Gravity? – Much Faster than Light – Rethinking Relativity¹²¹

Bethell lauds his friends Peter Beckmann, Tom Van Flandern¹²²

¹²⁰ en.wikipedia.org/wiki/Tom_Bethell

www.virginia institute.org/scholars.php has interesting connections

¹²¹ nexusilluminati.blogspot.com/search/label/gps%20satellites

¹²² en.wikipedia.org/wiki/Tom_Van_Flandern

“Van Flandern had a career as a professional scientist, but was noted as an outspoken proponent of non-mainstream views related to astronomy, physics, and extra-terrestrial life.” He espoused the “Face on Mars.”

metaresearch.org

06/24/10 Classic Contest in Oregon's 4th¹²³

03/11/10 Art Robinson for Congress¹²⁴

Bethell extols Art Robinson's candidacy.¹²⁵

02/17/10 A Disgrace to Science, American Spectator, Climate Realists¹²⁶

“...Today, many scientists and opinion leaders think that if an elite consensus in favor of certain “policies” can be generated, the underlying science must be right. The corrupt system of “peer review” will reliably exclude dissenters, and if the naysayers continue making themselves heard they will be called denialists, tools of right-wing talk radio, etc.

This is where climate science has been heading. **It is also where other major fields of science stand today—at the mercy of a contrived consensus.**

“Climate change” has attracted major attention not because its methods of subversion are much different from now-standard practice, but because literally trillions of dollars are at stake.

Those who promoted the bogus certainties of global warming not only sought to upend a whole way of life but came close to doing so. They have been aided by hundreds of well-known politicians, writers, reporters, and politicized scientists. Among politicians, Al Gore is only the best known. In the last category, James Hansen and Michael Mann are among the major U.S. culprits. ...

Recently, Michael Mann of Pennsylvania State University has been the leading promoter of bogus global temperature claims. He manufactured the misleading “hockey stick” temperature graph that eliminated the Medieval Warm Period by cherry-picking tree-ring data. He accuses dissenters of being funded by oil companies and has garnered \$6 million in government grants for Penn State. As a climate dissenter rather than a distorter, he would have been vilified, not remunerated. **He's an enemy of science.** ...¹²⁷

My friend Fred Singer, who was at Copenhagen and has been a leading climate dissident, **thinks that Climategate may completely undermine popular trust in science. But right now, maybe that is what is needed.**”

¹²³ spectator.org/blog/2010/06/24/classic-contest-in-oregons-4th

¹²⁴ spectator.org/blog/2010/03/11/art-robinson-for-congress

¹²⁵ Rachel Maddow interviewed Robinson. *The videos are quite informative.* climatecrocks.com/2010/10/13/astounding-interview-with-oregon-petition-nutjob-art-robinson His campaign gets much money, but he does not know source.

¹²⁶ climaterelists.com/index.php?id=5172

¹²⁷ MAS2010, p.184. *This seems libelous. What does the reader think?*

01/14/10 Global Warmists Feel a Chilly Wind, Spectator.org¹²⁸

“Two weeks ago I wrote an article here about global warming and the advocates -- **call them warmists** -- who tamper with Wikipedia to reflect their own biases. One warmist named William Connolley,¹²⁹ a green ideologue in Britain, had rewritten 5,428 climate articles. His goal was to bring the articles into line with Green Party dogma. ...

Here is a better response, from **Howard Hayden, a friend of mine**.¹³⁰ He puts out The Energy Advocate, a newsletter that raises many doubts about global warming and related energy issues. “Wiki is a great source of non-controversial information,” he told me. “It’s a shame it has been hijacked by true believers.”

I agree. I find Wikipedia useful and I do use it. But I avoid it where science and controversy interact -- global warming, biodiversity, intelligent design, and a few other issues. There, Wiki cannot be relied upon. Political activists have enough time on their hands to make changes that suit their tastes.”

11/06/09 Absolutely Clueless About Relativity,¹³¹ Stephen M. Barr ←

This includes arguments between Bethell and several well-published physicists, wherein he keeps telling them they are wrong about their specific expertise.¹³² Following is a short sample of the discourse.

Professor of Physics Barr¹³³ reviews Bethell’s article on relativity.

“Tom Bethell has been riding an anti-relativity-theory hobby horse for years. He has recently published an article questioning the theory of relativity in the American Spectator. I have never met Mr. Bethell. I am sure he is a fine fellow; but **he should stick to subjects he knows something about**. Bethell apparently learned what he knows about physics (obviously very little) from a now-deceased friend of his named Petr Beckmann.”

¹²⁸ climaterelists.com/index.php?id=4883

¹²⁹ Connolley was a climate scientist, far more knowledgeable than Hayden or those trying to modify Wikipedia entries to introduce anti-science.

¹³⁰ MAS2010 pp.127-128, 97-99. “His Primer seems of unusually low quality, even by anti-science standards. For example, he accepts the data (shown in his Figure 7) from a pseudoscience article by Ernst-George Beck, published in E&E.” He has long been associated with Singer and was an early signer of APS2009.

¹³¹ www.firstthings.com/blogs/firstthoughts/2009/11/06/absolutely-clueless-about-relativity

¹³² I have often seen the Dunning-Kruger effect, but this is an extreme case:

en.wikipedia.org/wiki/Dunning%E2%80%93Kruger_effect

¹³³ web.physics.udel.edu/about/directory/faculty/stephen-barr

“**Tom Bethell**

November 8th, 2009 / 12:50 am

MR BARR DOESN’T KNOW THE FIRST THING . . .

“**He shows no understanding of relativity at all.** I mean really none. Maybe he took a course on it once but maybe he already forgot it. **On the basis of his post, I doubt if he could be teaching the subject.** ... **I don’t think he knows the FIRST THING about science. And that includes physics.**”¹³⁴

“**Stephen M. Barr**

November 9th, 2009 / 2:01 pm

I don’t claim to be a fine fellow. I only claim to know what I am talking about.

I quite agree with Mr. Bethell that insulting people is not the right way to dispute with them. What Mr. Bethell fails to grasp, however, is that I neither had nor have any intention of “disputing” with him about relativity theory.

One cannot have an intelligent dispute with someone who lacks even a rudimentary knowledge or understanding of the subject. ... What would be the point of “disputing” with someone who thinks physics is just a bunch of “impressive seeming symbols on a blackboard”? ...

Mr. Bethell thinks one can understand relativity with only a knowledge of high school algebra. ...’

“**Tom Bethell**

November 10th, 2009 / 5:06 pm

... I argue that general relativity gives the right results but by a roundabout method **and the same results can be achieved by classical physics. Special relativity has (I argue) been falsified by experiment.** ...

BTW, global warming has also been certified as true beyond doubt by all manner of scientific panels. Do we go along with that?”

“**Stephen M. Barr**

November 10th, 2009 / 11:05 pm

It is not a question of credentials, Mr. Bethell. **It is a question of knowledge.**“

“**Clifford M. Will**¹³⁵

November 11th, 2009 / 4:02 pm

I write to correct one statement made by Tom Bethell in his November 8 post. He stated that the Hafele-Keating experiment published in Science in 1972 supported Beckmann’s theory of an east-west difference in the speed of light. This is incorrect. ...”

¹³⁴ Barr teaches graduate-level relativity theory.

¹³⁵ www.physics.wustl.edu/cmwiki National Academy member

09/17/09 Can We Do Without Relativity? American Spectator¹³⁶

“SOMETHING TELLS ME THAT MY NEW BOOK -- *Questioning Einstein: Is Relativity Necessary?* -- is unlikely to be reviewed. So I shall say something about it here. I have been working on it on and off for years, and it is based on the original work of a good friend of mine, Petr Beckmann. ... But it was also difficult -- written in the language of mathematical physics. I interviewed him at length, and told him I would write a simpler version. Then, too soon, he died (in 1993). I was able to finish the book with the help of Howard Hayden, ...”

07/15/09 Questioning Einstein: Is Relativity Necessary?¹³⁷

“His new book on Einstein's theory of relativity is written for the benefit of laymen, **includes no math and argues that the facts of physics can be more simply explained without relativity theory.** In plain language, it advances the views of **Petr Beckmann**, who wrote *Einstein Plus Two* and for years taught at the University of Colorado.”¹³⁸

¹³⁶ spectator.org/archives/2009/09/17/can-we-do-without-relativity

¹³⁷ www.amazon.com/Questioning-Einstein-Relativity-Tom-Bethell/dp/0971484597/ref=sr_1_1?ie=UTF8&qid=1315634057&sr=8-1

¹³⁸ See the reviews, especially the 1-star review by Cal Engine, and comments. www.amazon.com/Questioning-Einstein-Relativity-Tom-Bethell/product-reviews/0971484597/ref=cm_cr_dp_hist_1?ie=UTF8&showViewpoints=0&filterBy=addOneStar

Engine: “The subtitle of this book asks, “Is relativity necessary?” For now, the answer is yes. **The author of this book, Tom Bethell, is an Oxford-educated journalist who has made a living partly by reassuring fellow conservatives that the world isn't warming, species don't evolve, and radiation is good for you. ...**”

www.amazon.com/review/RPXSR6HSN46KP/ref=cm_cr_pr_cmt?ie=UTF8&ASIN=0971484597&nodeID=&tag=&linkCode=#wasThisHelpful
en.wikipedia.org/wiki/Petr_Beckmann “a well-known advocate of libertarianism and nuclear power. ... by Arthur B. Robinson.” (OISM)

See also subsection 10/01/93 here.

12/01/05 Don't Fear the Designer¹³⁹

“December 01, 2005, 8:29 a.m.

Don't Fear the Designer

Competing philosophies and beliefs.

By Tom Bethell

My new book, [The Politically Incorrect Guide to Science](#), addresses many topics, ranging from endangered species to the alleged warfare of religion and science. But two in particular have repeatedly come up in radio interviews: global warming and intelligent design (I have chapters on both).

Most on the Right are agreed on global warming: It's mostly politics dressed up as science. But what about intelligent design?

On this, conservatives are divided. Many — dare I call them the rank and file? — are skeptical about evolution and, I sense, are willing to throw it overboard. Others — I'll call them the chattering class — think things have gone too far, and that when it comes to evolution we should show Harvard and Yale a little more respect. ...

We fear questioning the evolutionist dogma. Someone might call us fanatical. “Intemperate” was the word George Will used. So we go along with the dogmas of materialism, lest we be considered ignorant or uneducated or driven by a religious agenda. ...

— *Tom Bethell is a contributor to National Review. His first magazine article on evolution appeared in Harper's in 1976. His new book is [The Politically Incorrect Guide to Science](#).*”

11/14/05 The Politically Incorrect Guide™ to Science A.6 ←←

An entire Appendix is dedicated to this one, a cornucopia of pseudoscience, anti-science or irrelevancy.

¹³⁹ old.nationalreview.com/comment/bethell200512010829.asp

10/01/93 Dr. Petr Beckman¹⁴⁰

This issue is dedicated to Beckmann, who was then recently deceased. Its masthead shows “A PRO-SCIENCE, PRO-TECHNOLOGY, PRO-FREE ENTERPRISE MONTHLY NEWSLETTER.”

At bottom right are links to tributes by Dr Edward Teller, S. Fred **Singer**, Gene K. Bruce, Julian Simon, Sam Kazman, George C. Roche III, Tom Jukes, Edmund A. Opitz, Marshall Brucer, and Tom **Bethell**.

Bethell wrote:¹⁴¹

‘The last work that Petr did, in a heroic effort after leaving hospital in early July, was to put out his August 1993 issue of Access to Energy, thereby completing 20 years of publication...

"You're not guaranteed progress. You may have another thousand years of darkness if these Greens succeed in killing technology, and they are succeeding. **They are driving up the price of everything with fairy stories about the ozone layer.** Everybody thinks the ozone layer is disintegrating and we're all going to fry and nuclear power makes women bear two-headed kids."

As for physics, **Beckmann had felt there must be something wrong with Einstein's theory of relativity from the time when he first studied it.** Over the years he kept returning to it—"Einsteinitis," he would say to Irene—and after his retirement he set to work in earnest ..."

... Einstein in 1905 proposed a solution which discarded the absolute character of space and time—what Beckmann called the "alpha and omega of classical physics." This Einstein did in order to preserve the velocity of light as an absolute quantity. Since velocity is merely space divided by time, it occurred to Beckmann that so drastic a step should not be taken if a simpler alternative could be found. ..."

In pursuit of his ambitious goal of restoring physics to its classical foundations, Beckmann in 1989 began publishing a bimonthly journal, Galilean Electrodynamics, once again using his own printing press and his awesome energy. In 1985 he said that he "was beginning to worry that they will fail to crucify me," and his efforts to revise relativity theory have continued to be ignored by the academic world. It is too early to say whether Beckmann's endeavors in this field will be borne out or refuted. Possibly, however, this is where his greatest triumph will lie. ...¹⁴²

¹⁴⁰ www.accesstoenergy.com/view/atearchive/s76a1928.htm

Access to Energy Newsletter vol 21, No 2, published from Cave Junction, OR - Arthur Robinson's OISM.

¹⁴¹ www.accesstoenergy.com/view/atearchive/s76a2574.htm

¹⁴² *Perhaps not.*

However, while generally unappreciated by mainstream science, Beckmann has been immortalized by the Petr Beckmann Award, given yearly by Doctors for Disaster Preparedness (DDP),¹⁴³

"The Petr Beckmann award is given by DDP to individuals who demonstrate **courage and achievement in defense of scientific truth and freedom.** **Marc Morano**¹⁴⁴ of www.climatedepot.com received the award in June of 2010."¹⁴⁵

Readers familiar with this topic may recognize awardees:^{146 147}

- 1995 Jane Orient
- 1996 Robert Jastrow
- 1997 Sallie Baliunas
- 1998 Arthur B. Robinson
- 2000 S. Fred Singer
- 2003 Sherwood Idso
- 2004 Willie Soon AND NOW
- 2010 Marc Morano¹⁴⁸

Jane Orient is President of DDP, closely aligned with Robinson's OISM. Speakers for 2010 included: George Gilder, Mary Ellen T. Gilder, Chris Horner (CEI/ATI)¹⁴⁹, Jay Lehr (Heartland)¹⁵⁰, Howard Maccabee,¹⁵¹ Arthur Robinson, Singer, Soon.

¹⁴³ www.ddponline.org/rationalwiki.org/wiki/Doctors_for_Disaster_Preparedness
en.wikipedia.org/wiki/Doctors_for_Disaster_Preparedness

¹⁴⁴ MAS2010, p.141. His website is sponsored by CFACT, funded especially by ExxonMobil and R.M.Scaife. He previously worked for James Inhofe (R-OK)

¹⁴⁵ www.ddponline.org/home/2010/7/8/2010-petr-beckmann-award-given-to-marc-morano.html

¹⁴⁶ www.sourcewatch.org/index.php?title=Petr_Beckmann

¹⁴⁷ All except Orient and Rosinski are listed in MAS2010.

¹⁴⁸ www.sourcewatch.org/index.php?title=Marc_Morano

¹⁴⁹ Author of *The Politically Incorrect Guide to Global Warming and Environmentalism*, and filer of lawsuit against University of Virginia and Michael Mann. He is a long-time colleague of Myron Ebelle, MAS2010, p.129. At ATI, he is following Ken Cuccinelli's lead in harassing University of Virginia and Michael Mann.

¹⁵⁰ www.desmogblog.com/jay-lehr

¹⁵¹ www.sourcewatch.org/index.php?title=Howard_Maccabee

A.3 Fred Singer and SEPP Board

S. Fred Singer is well-documented as a tireless promoter of climate anti-science, for several decades, but has also taken tobacco money to cast doubt on issues with secondhand smoke.¹⁵² He has been connected with GMI for decades and involved in numerous climate anti-science activities.¹⁵³

SEPP, founded in 1990, has generally been composed of Singer and wife (1990-1999, separated, then divorced) Candace Crandall, with a little help from others, especially from GMI. **Frederick Seitz** was SEPP Chairman, and **William Nierenberg** was Science Advisor. The first item is listed to show Singer's still-current connection with Randy Randol (key ExxonMobil lobbyist at participant in GCST1998).¹⁵⁴

02/12/11 Fred Singer, SEPP Newsletter TWTW, p.4¹⁵⁵

“Governance: With the passing of SEPP chairman Prof Frederick Seitz,¹⁵⁶ we reconstituted the Board of Directors:

Chairman: **S. Fred Singer** (and President)

Vice Chairman: **Kenneth A. Haapala**¹⁵⁷ (and Exec VP)

Directors: **Donna Fitzpatrick Bethell**, former Under Secretary, US Dept of Energy

Mark Brandsdorfer, Esq¹⁵⁸

Thomas Sheahen,¹⁵⁹ PhD (MIT, Physics)”

¹⁵² Naomi Oreskes, Erik Conway, *Merchants of Doubt*, 2010, p.152.

¹⁵³ [MAS2010](#) pp.154-155.

¹⁵⁴ [MAS2010](#), pp.154-155, pp.97-99 gives matrix of people versus activities and organizations. Singer speaks pervasively, even to the point of interviews with the National Association of Scholars, which calls him a “genius.”

www.nas.org/polArticles.cfm?doc_id=1726 NAS but for context see

chronicle.com/blogs/innovations/guest-post-bottling-nonsense-mis-using-a-civil-platform and

www.desmogblog.com/nas-president-peter-wood-wrong-dishonest-or-hopelessly-compromised

¹⁵⁴ [MAS2010](#), pp. 19-20, 147.

¹⁵⁵ www.sepp.org/twtwfiles/2011/TWTW%202011-2-12.pdf

¹⁵⁶ en.wikipedia.org/wiki/Frederick_Seitz Seitz died 03/02/08.

¹⁵⁷ www.desmogblog.com/ken-haapala Economist, Heartland, NIPCC. Etc.

¹⁵⁸ www.legalplanner.com/about/mark.html,

“he specializes in trademark law, business law, non-profit law, and tax law.”

08/05/10 Fred Singer, email to various people, including Randol¹⁶⁰

To: "Canadian Nuclear Discussion List" <[CDN-NUCL-](mailto:CDN-NUCL-L@mailman1.cis.mcmaster.ca)

L@mailman1.cis.mcmaster.ca>

Subject: [cdn-nucl-l] American Thinker:: Renewable electricity hoax, fraud, rip-off

From: "Jerry Cuttler" <jerrycuttler@rogers.com>¹⁶¹

“----- Original Message -----

From: S. Fred Singer

To: Thomas Lifson

Cc: ken@haapala.com ; Mark@legalplanner.com ; **Tom Sheahen** ; **Donna Bethell** ; randy.randol@comcast.net¹⁶²

Sent: Thursday, August 05, 2010 9:06 AM

Subject: RE: Renewable electricity hoax, fraud, rip-off

Thank you, Thomas

I was particularly pleased to read some of the comments --meatier than the original article

comments.americanthinker.com/read/42323/646560.html

You have sophisticated readers.

Best Fred” (Fred’s article attached, published by Lifson)

SEPP thus is comprised of Singer, economist Haapala, lawyers Bethell and Brandsdorfer and a retired superconductor physicist ... but mostly, Singer.

¹⁵⁹ MAS2009, pp.119-120.

Thomas P. Sheahen, 1941, President/ CEO, Western Technology, Inc. (energy sciences consulting) “Dr. Thomas P. Sheahen, an MIT educated physicist, author of the book *An Introduction to High-Temperature Superconductivity*, and writer of the popular newspaper column “Ask the Everyday Scientist,” dismisses the idea of a “consensus” on man-made global warming. “We must all remember that scientific truth is not determined by popular vote. The [UN] IPCC is severely tainted by politics,” Sheahen wrote to EPW on June 11, 2007. “No one disputes that the Earth has been warming over the last 150 years. The controversy is over whether it’s natural or anthropogenic (AGW),” he added. “I have done computer modeling of physical and chemical phenomena, and I know two things very well: first, your outputs will always be conditioned by the input assumptions you make at the front end; and second, data *always* trumps theory. For a model to be valid, it has to match the data. Given the observations of temperature variations during the 20th century, you really can’t make the case that mankind caused such erratic temperature swings,” Sheahen concluded.”

¹⁶⁰ mailman.mcmaster.ca/mailman/private/cdn-nucl-l/1008/msg00001.html

¹⁶¹ MAS2009, p.86.

¹⁶² The email included Singer’s SEPP associates plus Randy Randol, key ExxonMobil lobbyist. MAS2010 p.19, 147, 82.

A.4 Will Happer, GMI Chairman, MITRE Trustee

For two decades, GMI has been an influential center of ideological anti-science, with which Singer's SEPP has been closely allied. Its early history is detailed in [ORE2010]. Details of more recent activities have been covered elsewhere.¹⁶³ Will Happer became a GMI¹⁶⁴ Director no later than November 2001 and has been Chairman since January 2006.¹⁶⁵ He has been a MITRE Trustee since 1987,¹⁶⁶ and hence would have a 20+ year connection with MITRE Chairman Schlesinger.

In 2009, The Daily Princetonian quoted Happer:¹⁶⁷

'Physics professor William Happer GS '64 has some **tough words for scientists who believe that carbon dioxide is causing global warming**. **"This is George Orwell. This is the 'Germans are the master race. The Jews are the scum of the earth.' It's that kind of propaganda,"** Happer, the Cyrus Fogg Brackett Professor of Physics, said in an interview. "Carbon dioxide is not a pollutant. Every time you exhale, you exhale air that has 4 percent carbon dioxide. To say that that's a pollutant just boggles my mind. **What used to be science has turned into a cult...** Happer said that he is alarmed by the funding that climate change scientists, such as Pacala and Socolow, receive from the private sector. "Their whole career depends on pushing. They have no other reason to exist. I could care less. I don't get a dime one way or another from the global warming issue," Happer noted. "I'm not on the payroll of oil companies as they are. They are funded by BP."

As the article mentioned, GMI had received at least \$715,000 from ExxonMobil from 1998 through 2006, and GMI has long been funded by family foundations, some of which were built on oil fortunes.

Happer has worded his comments carefully. His Princeton research has no obvious connection with climate or energy (despite claims elsewhere about CO₂ expertise), so unsurprisingly is not funded by oil companies. GMI has certainly gotten money from oil-based family fortunes, and from ExxonMobil starting in 1999. Funding often flows to think tanks without

formally specifying the exact purpose. It may be labeled "for research and support", or "to promote free enterprise." A think tank might seek money from ExxonMobil or tobacco companies, and would presumably know how to spend to show accomplishments when seeking further grants. *The money-laundering maze is difficult to track, and with family foundations, it is even worse. One may have some idea of the original sources of wealth, but it is difficult to discover actual current investments, not just of the foundations, but of the people controlling them. To criticize university research grants seems inconsistent while chairing a thinktank whose CEO William O'Keefe is a 25-year veteran of the American Petroleum Institute.*

An article¹⁶⁸ by Duke's Bill Chameides includes a 7-minute video of Happer, speaking to Senate EPW February 25, 2009. The transcript is available at a familiar climate anti-science thinktank.¹⁶⁹

Fred Singer's 1999 "Hot talk, Cold Science – Revised Second Edition", published by The Independent Institute,¹⁷⁰ has a blurb from Happer:

"HOT TALK, COLD SCIENCE carefully reviews the scientific, economic and policy literature on global warming, and provides a welcome, reasoned assessment of the facts and uncertainties. I strongly recommend this book to any citizen."

Happer was an organizer of the APS2009 petition,¹⁷¹ then coauthored an intense, possibly libelous email to APS members on Climategate. He was quoted in *Science*.¹⁷²

'Will Happer, a physicist at Princeton University who questions the consensus view on climate, thinks Mashey is a destructive force who uses "totalitarian tactics"—publishing damaging documents online, without peer review—to carry out personal vendettas. Whereas Mann lauds Mashey for "exploring the underbelly of climate denial," Happer says Mashey's tactics are "contrary to open inquiry.'

¹⁶³ MAS2010, esp. pp.62-66.

MAS2010a, GMI was a key entity in organizing the attack on the "hockey stick."

¹⁶⁴ MAS2010, pp.62-66.

¹⁶⁵ MAS2010, pp.125-126

www.marshall.org/pdf/materials/405.pdf

www.princeton.edu/physics/people/faculty/william-happer

¹⁶⁶ www.mitre.org/about/bot/happer.html

¹⁶⁷ www.dailyprincetonian.com/2009/01/12/22506

¹⁶⁸ www.huffingtonpost.com/bill-chameides/non-climate-scientist-cli_b_173422.html

¹⁶⁹ scienceandpublicpolicy.org/reprint/happer_senate_testimony.html

SPPI is mostly Robert Ferguson, a website and an address at a UPS store, with some help from the Viscount Christopher Monckton.

¹⁷⁰ MAS2010 p.76, 93. It has gotten money from Exxon, David Koch, etc.

¹⁷¹ MAS2009 (all), MAS2010 A.12.3.

¹⁷² www.sciencemag.org/content/332/6035/1250.summary Eli Kintisch

A.5 James R. Schlesinger, Sandia Board, MITRE Chairman

Sandia Board member¹⁷³ Schlesinger is a distinguished man with a long history in government.¹⁷⁴ He was also a Director of **Seven Seas Petroleum** 1999-2002 and **Peabody Energy**¹⁷⁶, 2001-2008 and has been Chairman of the Board of MITRE Corporation¹⁷⁷ since 1985.¹⁷⁸ He has long rejected mainstream climate science. He has worked closely with leaders of climate anti-science, such as GMI, chaired by Will Happer, who has also been a MITRE Trustee for decades.

Profile at George Marshall Institute.¹⁷⁹

“Select Works

- "Remarks of Dr. James R. Schlesinger at the 2005 Annual Awards Dinner & Celebration," Dr. James Schlesinger, June 16, 2005
- "Public Policy - Science, Policy and the Difference," Dr. James Schlesinger, June 22, 2004
- "Cold Facts on Global Warming," Dr. James Schlesinger, January 22, 2004
- "Responding to National Security Threats in the Post 9/11 World," Dr. James Schlesinger, February 19, 2002
- "Climate Science and Policy: Making the Connection," Dr. James Schlesinger and Dr. Robert L. Sproull, December 4, 2001

07/23/05 Chris Mooney, “Stop Him Before He Writes Again”¹⁸⁰

This is a commentary on some of Schlesinger’s writings shown later.

¹⁷³ www.sandia.gov/news/publications/annual/2007/lead2.html

¹⁷⁴ en.wikipedia.org/wiki/James_R._Schlesinger

¹⁷⁵ www.sourcewatch.org/index.php?title=James_Rodney_Schlesinger

¹⁷⁶ en.wikipedia.org/wiki/Peabody_Energy

Peabody Energy is the world’s largest coal company.

¹⁷⁷ www.mitre.org/about/trustees.html

www.mitre.org/about/bot/schlesinger.html

¹⁷⁸ investing.businessweek.com/research/stocks/private/person.asp?personId=1376235&privcapId=4534280&previousCapId=4198312&previousTitle=The%20MITRE%20Corporation

¹⁷⁹ www.marshall.org/experts.php?id=69

These pieces are erroneous or misleading, but for brevity, they are not dissected here.

¹⁸⁰ prospect.org/cs/articles?article=stop_him_before_he_writes_again, The American Prospect.

06/16/05 "Remarks of Dr. James R. Schlesinger at the 2005 Annual Awards Dinner & Celebration,"¹⁸¹ ... Most of this talk is about climate.

‘Unfortunately, this caste of mind has also spilled over into the subject matter of science. **In its most acute form, it can be found in the widespread distress over the phenomenon of global warming, which, it is now confidently asserted, arises primarily from the release of greenhouse gases, reflecting human activity.** This, of course, provides a splendid opportunity for self-flagellation by the guilty. In many universities, **it also provides the opportunity to search for those heretics who may question whether the greenhouse phenomenon is indeed the principal cause of climate change.** ...

The most recent apparent increase in global temperature may to some extent be related to the increase in greenhouse gases—but one ought not leap to the conclusion that the greenhouse effect is the principal cause of observed global warming—without careful consideration of other alternatives, including solar variability. Such a faith is based, as St. Paul phrased it, on “the evidence of things not seen.”

To be sure, we do have computer models. Depending on what we feed into those models, we reach the conclusion that was built into the model—such as the temperature in the year 2100. But we would be mistaken if we believed that the conclusion was something more than we had built in. To infer so much from a computer simulation would be a marvelous example of what Alfred North Whitehead called “the Fallacy of Misplaced Concreteness.”

Just recently, eleven national academies of science joined together to declare the issue has now been settled, that the release of greenhouse gases is the principal contributor to global warming—and chided the United States for its failure to acknowledge that reality. This conclusion is stated authoritatively and apparently *ex cathedra*. In this connection, **I can do no more tonight than review with you what I cited last year, Michael Crichton’s¹⁸² observations in his Michelin Lecture at Caltech.**

“I want to pause here and talk about this notion of consensus, and the rise of what has been called consensus science. **I regard consensus science as an extremely pernicious development that ought to be stopped cold in its tracks.**

¹⁸¹ www.marshall.org/article.php?id=403

¹⁸² www.realclimate.org/index.php/archives/2004/12/michael-crichtons-state-of-confusion ; www.realclimate.org/index.php/archives/2004/12/michael-crichtons-state-of-confusion-ii-the-climatologists-return Crichton was clueless on climate.

“Let’s be clear: the work of science has nothing to do with consensus. Consensus is the business of politics. Science, on the contrary, requires only one investigator who happens to be right... In science consensus is irrelevant. What is relevant is reproducible results. The greatest scientists in history are great precisely because they broke with the consensus. “There is no such thing as consensus science. It it’s consensus, it isn’t science. **If it’s science, it isn’t consensus.** Period. ...”

Consensus, intuition, informed opinion, and guesswork are not enough. Evidence is needed—and **evidence that human activity is the principal cause of the global rise in temperature is simply not there.**

A recent article in USA Today headlines “THE DEBATE’S OVER: GLOBE IS WARMING.” And adds in a subhead, “Politicians, corporations and religious groups differ mainly on how to fix the problem.” In the first place, “the debate” was not over whether the globe is warming; the debate is over whether or not man’s activities are the principal culprit. Second, it is not clear that there is a way to “fix the problem.” The wisest thing for those who attribute global warming primarily to the release of greenhouse gases might do would be to pray that they are wrong. ...

In short, if one believes or assumes that it is the release of the greenhouse gases that is the culprit and not some more cyclical phenomenon, there may be no solution—and we need to begin to adjust to an earth that continues to warm. Those who profess to be able to “fix the problem” may turn out to be like King Canute, commanding the waves of the sea to stand still.’

06/22/04 PUBLIC POLICY Science, Politics, and the Difference¹⁸³

Third and finally, there is the current faith of recent decades that global warming can with certainty be attributed to the release of greenhouse gases. It is now enshrined in the recent film *The Day After*. I have argued in the past that with all of the uncertainties, as well as the previous errors in prediction, we should approach this issue with some humility. That, unfortunately, is not the case. Orthodoxy stalks the land and with it the regrettable search for *heretics*. In this connection, let me remind you of the words of a sometime colleague, **Michael Crichton**. In his Michelin Lecture at Caltech, titled “Aliens Cause Global Warming, ...”

01/22/04 "Cold Facts on Global Warming."¹⁸⁴

“We live in an age where facts and logic have a hard time competing with rhetoric ? especially when the rhetoric is political alarmism over global warming.

We continue to hear that "the science is settled" in the global warming debate, that we know enough to take significant action to counter it. Those who hold this view believe emissions of carbon dioxide are the primary cause of any change in global temperature and inevitably will lead to serious environmental harm in the decades ahead.

In 1997, for instance, Vice President Al Gore played a leading role in the negotiation of the Kyoto Protocol, the international agreement to deal with the fears about global warming. He was willing to embrace severe reductions in U.S. emissions, even though the Clinton administration's own Department of Energy estimated that Kyoto-like restrictions could cost \$300 billion annually. Then, when it became clear that the Senate would not agree to a treaty that would harm the economy and exempt developing countries like China and India, the Clinton administration did not forward it for ratification. Since then, the treaty's flaws have become more evident, and too few countries have ratified it to allow it to "enter into force."

The Bush administration, as an alternative to such energy-suppressing measures, has focused on filling gaps in our state of knowledge,¹⁸⁵ promoting the development of new technology, encouraging voluntary programs and working with other nations on controlling the growth of greenhouse gas emissions. Collectively, these actions involve spending more than \$4 billion annually, and the U.S. is doing more than any other nation to address the climate-change issue.¹⁸⁶

Of these efforts, filling the gaps in our knowledge may be the most important. **What we know for sure is quite limited.¹⁸⁷** For example, we know that since the early 1900s, the Earth's surface temperature has risen about 1 degree Fahrenheit. We also know that carbon dioxide, a greenhouse gas, has been increasing in the atmosphere. And we know that the theory that increasing concentrations of greenhouse gases like carbon dioxide will lead to further warming is at least an oversimplification. **It is inconsistent with the fact that satellite measurements over 35 years show no significant warming in the lower atmosphere, which is an essential part of the global-warming theory.¹⁸⁸**

¹⁸⁴ www.marshall.org/article.php?id=193

¹⁸⁵ Really? en.wikipedia.org/wiki/Deep_Space_Climate_Observatory

¹⁸⁶ Really? *Who else in the world thinks that?*

¹⁸⁷ Really? *A Peabody Director may think so.*

¹⁸⁸ Absolutely untrue. Christy and Spencer admitted programming error.

¹⁸³ www.marshall.org/pdf/materials/233.pdf

Much of the warming in the 20th century happened from 1900 to 1940. That warming was followed by atmospheric cooling from 1940 to around 1975. During that period, frost damaged crops in the Midwest during summer months, and glaciers in Europe advanced. This happened despite the rise in greenhouse gases. These facts, too, are not in dispute.

And that's just our recent past. Taking a longer view of climate history deepens our perspective. For example, during what's known as the Climatic Optimum of the early Middle Ages, the Earth's temperatures were 1 to 2 degrees warmer than they are today.¹⁸⁹ That period was succeeded by the Little Ice Age, which lasted until the early 19th century. Neither of these climate periods had anything to do with man-made greenhouse gases.

The lessons of our recent history and of this longer history are clear: It is not possible to know now how much of the warming over the last 100 or so years was caused by human activities and how much was because of natural forces. Acknowledging that we know too little about a system as complicated as the planet's climate is not a sign of neglect by policymakers or the scientific community. Indeed, admitting that there is much we do not know is the first step to greater understanding.

Meanwhile, it is important that we not be unduly influenced by political rhetoric and scare tactics. Wise policy involves a continued emphasis on science, technology, engagement of the business community on voluntary programs and balancing actions with knowledge and economic priorities. **As a nation, by focusing on these priorities, we show leadership and concern about the well-being of this generation and the ones to follow.**¹⁹⁰

07/07/03 "Climate Change: The Science Isn't Settled"¹⁹¹

"Despite the certainty many seem to feel about the causes, effects and extent of climate change, we are in fact making only slow progress in our understanding of the underlying science. My old professor at Harvard, the great economist Joseph Schumpeter, used to insist that a principal tool of economic science was history -- which served to temper the enthusiasms of the here and now. This must be even more so in climatological science. In recent years the inclination has been to attribute the warming we have lately experienced to a single dominant cause -- the increase in greenhouse gases. **Yet climate has always been changing -- and sometimes the swings have been rapid.**

At the time the U.S. Department of Energy was created in 1977, there was widespread concern about the cooling trend that had been observed for the

previous quarter-century. After 1940 the temperature, at least in the Northern Hemisphere, had dropped about one-half degree Fahrenheit -- and more in the higher latitudes. In 1974 the National Science Board, the governing body of the National Science Foundation, stated: "During the last 20 to 30 years, world temperature has fallen, irregularly at first but more sharply over the last decade." Two years earlier, the board had observed: "Judging from the record of the past interglacial ages, the present time of high temperatures should be drawing to an end . . . leading into the next glacial age." And in 1975 the National Academy of Sciences stated: "The climates of the earth have always been changing, and they will doubtless continue to do so in the future. How large these future changes will be, and where and how rapidly they will occur, we do not know."

These statements -- just a quarter-century old -- should provide us with a dose of humility as we look into the more distant future. A touch of that humility might help temper the current raging controversies over global warming. **What has concerned me in recent years is that belief in the greenhouse effect, persuasive as it is, has been transmuted into the dominant forcing mechanism affecting climate change -- more or less to the exclusion of other forcing mechanisms. The CO2/climate-change relationship has hardened into orthodoxy -- always a worrisome sign -- an orthodoxy that searches out heretics and seeks to punish them.**

We are in command of certain essential facts. First, since the start of the 20th century, the mean temperature at the earth's surface has risen about 1 degree Fahrenheit. Second, the level of CO2 in the atmosphere has been increasing for more than 150 years. Third, CO2 is a greenhouse gas -- and increases in it, other things being equal, are likely to lead to further warming. **Beyond these few facts, science remains unable either to attribute past climate changes to changes in CO2 or to forecast with any degree of precision how climate will change in the future.**

Of the rise in temperature during the 20th century, the bulk occurred from 1900 to 1940. It was followed by the aforementioned cooling trend from 1940 to around 1975. Yet the concentration of greenhouse gases was measurably higher in that later period than in the former. That drop in temperature came after what was described in the National Geographic as "six decades of abnormal warmth."

In recent years much attention has been paid in the press to longer growing seasons and shrinking glaciers. Yet in the earlier period up to 1975, the annual growing season in England had shrunk by some nine or 10 days, summer frosts in the upper Midwest occasionally damaged crops, the glaciers in Switzerland had begun to advance again, and sea ice had returned to Iceland's coasts after more than 40 years of its near absence.

¹⁸⁹ Untrue, Schlesinger made a strong claim about which he knew little.

¹⁹⁰ Really?

¹⁹¹ Washington Post

When we look back over the past millennium, the questions that arise are even more perplexing. The so-called Climatic Optimum of the early Middle Ages, when the earth temperatures were 1 to 2 degrees warmer than today and the Vikings established their flourishing colonies in Greenland, was succeeded by the Little Ice Age, lasting down to the early 19th century. Neither can be explained by concentrations of greenhouse gases. **Moreover, through much of the earth's history, increases in CO2 have followed global warming, rather than the other way around.**

We cannot tell how much of the recent warming trend can be attributed to the greenhouse effect and how much to other factors. In climate change, we have only a limited grasp of the overall forces at work. Uncertainties have continued to abound -- and must be reduced. Any approach to policy formation under conditions of such uncertainty should be taken only on an exploratory and sequential basis. A premature commitment to a fixed policy can only proceed with fear and trembling.

In the Third Assessment by the International Panel on Climate Change, recent climate change is attributed primarily to human causes, with the usual caveats regarding uncertainties. The record of the past 150 years is scanned, and three forcing mechanisms are highlighted: anthropogenic (human-caused) greenhouse gases, volcanoes and the 11-year sunspot cycle. Other phenomena are represented poorly, if at all, and generally are ignored in these models. Because only the past 150 years are captured, the vast swings of the previous thousand years are not analyzed. The upshot is that any natural variations, other than volcanic eruptions, are overshadowed by anthropogenic greenhouse gases.

Most significant: **The possibility of long-term cycles in solar activity is neglected because there is a scarcity of direct measurement. Nonetheless, solar irradiance and its variation seem highly likely to be a principal cause of long-term climatic change.** Their role in longer-term weather cycles needs to be better understood. There is an idea among the public that "the science is settled." Aside from the limited facts I cited earlier, that remains far from the truth. Today we have far better instruments, better measurements and better time series than we have ever had. Still, we are in danger of prematurely embracing certitudes and losing open-mindedness. We need to be more modest."

02/19/02 "Responding to National Security Threats in the Post 9/11 World"¹⁹²

Schlesinger was introduced by GMI CEO **William O'Keefe**, a 25-year veteran of the American Petroleum Institute.

12/04/01 **Dr. James R. Schlesinger and Dr. Robert Sproull, "Climate Science and Policy: Making the Connection,"**¹⁹³

This is a 37-page writeup, whose participants included Will Happer, David Legates, Richard Lindzen, Rodney Nichols, William O'Keefe, plus the two authors.¹⁹⁴

Schlesinger has influenced US policies over many decades and was then a board member of the world's largest coal company. He rejected strong science and preferred to quote a fiction author, Michael Crichton.

By now, many US security organizations think that climate change is a serious threat to US national security,¹⁹⁵ an idea Schlesinger did his best to obscure. *He seems to have done everything in his power to make sure the US would take no serious action on climate change..* Certainly his comments aligned perfectly with his duties as Board member for fossil fuel companies.

¹⁹² www.marshall.org/article.php?id=64

¹⁹³ www.marshall.org/article.php?id=86

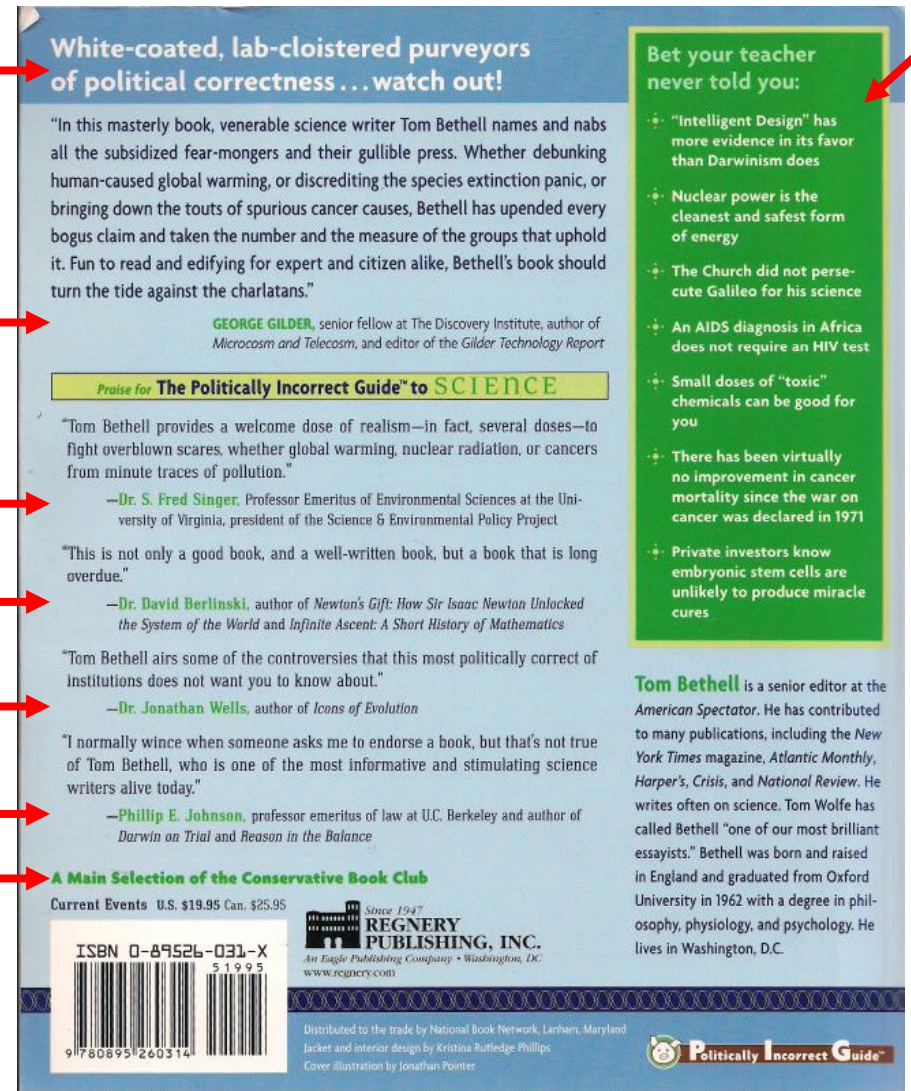
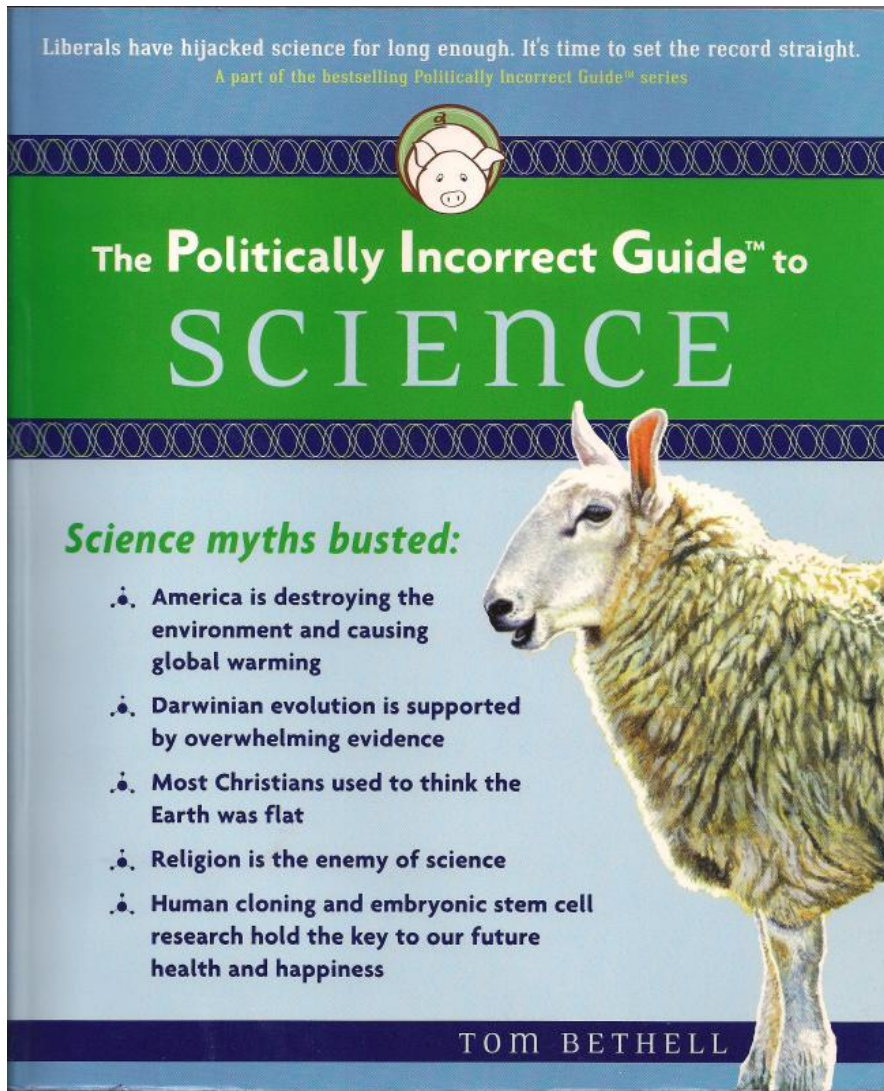
Summary: more research needed, take no strong actions any time soon, there is much uncertainty. Read the entire piece, not just a few quotes. It is straight from the doubt creation handbooks.

¹⁹⁴ MAS2010 covers these people, most with a long history of climate anti-science. See pp.97-105 for the activities involving them. Each also has a short bio.

¹⁹⁵ www.pewclimate.org/national-security for example

A.6 The Politically Incorrect Guide to Science

From the cover, *Bethell seems more concerned with ideology and politics than science*. This section briefly examines the table of contents, then analyzes the global warming section in detail. Donna Bethell praised this book strongly, **A.1. Bethell is certainly seems sure that most scientists are generally wrong ... except his friends**. Gilder, Berlinski, Wells and Johnson are all associated with the Discovery Institute. ("Intelligent Design")



This is an impressive range of topics for a nontechnical journalist to cover in one book,¹⁹⁶ *but Bethell seems totally certain about everything*. Section titles are given at right, with a few brief notes,¹⁹⁷ followed by a detailed analysis of Chapter 1.

This is a truly awful book, fit only for classes in detection of nonsense.

Bethell relies for opinions on climate science on such sources as:

- Popular press, not peer-reviewed journals like *Science*, which he dismisses as political.
- Fred Singer, Willie Soon, Sallie Baliunas, Roy Spencer
- Michael Crichton, fiction author
- David Deming, petroleum geophysicist, in review of Crichton's book published in a fringe-science journal that does ESP, "dog astrology"
- Benny Peiser, sports scientist/social anthropologist who claimed to refute Naomi Oreskes, but did not understand what he read and was proved wrong. He finally withdrew his claims.

Bethell accepts any pseudoscience that supports his views, but manages to misquote or denigrate many actual scientists. A serious book would provide proper citations. He often does not.

Either Bethell totally lacks any trace of science literacy and numeracy, or his ideological, totally-certain worldview overpowers any such.

It is hard to know. But, his wife certainly loves this book.

The reader might consider possible reasons for intense anti-science.¹⁹⁸

For context, those unfamiliar with Regnery Publishing might quickly scan its website and a few samples.¹⁹⁹ *It is quite political.*

¹⁹⁶ www.regnery.com/books/BET2005ence.html

The book shows a pig logo, PIG = Politically Incorrect Guide.

fairuse.stanford.edu/Copyright_and_Fair_Use_Overview/chapter9/9-c.html

en.wikipedia.org/wiki/Fair_use

¹⁹⁷ www.amazon.com/Politically-Incorrect-Guide-Science-Guides/dp/B0058M9LZU

Bethell shows a pervasive certainty of the corruption of science and Federal government. Some topics seem strawmen or irrelevant.

¹⁹⁸ i46.tinypic.com/204j13.jpg or MAS2010, pp.9-14 for more context.

¹⁹⁹ www.regnery.com See especially books by Chris Horner of CEI and ATI:

www.regnery.com/books/pigglobal.html PIG to Global Warming

www.regnery.com/books/redhotlies.html

Introduction:	The Lures of Politics²⁰⁰	
Chapter 1:	Global Warming (<i>Discussed in detail</i>)	1
Chapter 2:	Yes, More Nukes²⁰¹	19
Chapter 3:	Good Vibes: The Virtue of Radiation²⁰²	39
Chapter 4:	"Good Chemistry"²⁰³	57
Chapter 5:	The DDT Ban²⁰⁴	73
Chapter 6:	Biodiversity and Endangered Species²⁰⁵	87
Chapter 7:	African AIDS: A Political Epidemic	105
Chapter 8:	The folly of Dolly: Cloning and its Discontents²⁰⁶	123
Chapter 9:	The Stem Cell Change to Bioengineering	131
Chapter 10:	A Map to Nowhere (<i>Genome decoding</i>)	147
Chapter 11:	The Great Cancer Error	165
Chapter 12:	The Abiding Myths: Flat Earth and Warfare Between Science and Religion (<i>?strawman?</i>)	181
Chapter 13:	By Choice, or by Design²⁰⁷	191
Chapter 14:	Evolution: The Missing Evidence	215
Final Thoughts²⁰⁸		237

www.regnery.com/books/powergrab.html

²⁰⁰ He quotes Michael Crichton, p. viii.

²⁰¹ He cites Hayden's *The Solar Fraud*. Nuclear power is a complex topic, but Bethell's discussion helps very little. Try instead (Nobelist) Burton Richter's *Beyond Smoke and Mirrors – Climate Change and Energy in the 21st Century*.

²⁰² "...hormesis ... has been so widely observed that it deserves to be called a law of nature." en.wikipedia.org/wiki/Hormesis

en.wikipedia.org/wiki/Radiation_hormesis maybe not. Bethell is sure. The scientific literature is not. He quotes Zbigniew Jaworowski, p.47. See

en.wikipedia.org/wiki/Zbigniew_Jaworowski, a nuclear physicist who seems certain global warming is not caused by CO2.

www.realclimate.org/wiki/index.php?title=Zbigniew_Jaworowski

²⁰³ Bethell says dioxins are not so bad.

en.wikipedia.org/wiki/Polychlorinated_dibenzodioxins maybe they are bad.

²⁰⁴ Bethell claims Rachel Carson caused EPA to ban DDT in Africa. This is anti-history. He cites Steve Milloy's *Junk Science Judo*. I read the book long ago: she didn't call for an outright ban at all. en.wikipedia.org/wiki/Rachel_Carson

²⁰⁵ Bethell cites Bjorn Lomborg's, *The Skeptical Environmentalist*.

²⁰⁶ Chapters 8-10. Science and engineering are not the same. Not all things that could be built are necessarily good ideas. Some parts of this book might even be reasonable, but life is too short to study a book when the first chapter is so bad.

²⁰⁷ Chapters 13-14 (46 pages) are devoted to attacking Darwin and evolution.

Review of Global Warming Chapter 1

The #’d items cite the helpful list of wrong or misleading climate memes collected at *Skeptical Science*.²⁰⁹ Bethell’s chapter applies the “Gish Gallup,”²¹⁰ an approach often used by climate anti-science proponents. In 18 pages, I noticed 24 of the bad memes from the *Skeptical Science* list: 1, 2, 5, 7, 8, 10, 17, 18, 20, 26, 31, 32, 33, 36, 38, 56, 77, 81, 106, 107, 118, 120, 162, 164. I just show some of the simpler problems, as this is tedious work and some would take pages to explain. The list is easily incomplete.

p.1

“Environmentalists not so long ago believed the earth was cooling.”
#8 [1970s]

“The earth surface temperature data suggests that manmade greenhouse emission have not been sufficient to increase global temperatures.”
#36 [evidence], #31 [greenhouse]

“But global warming became the pet cause of environmentalists only in the late 1980s. Before then, some believed the earth was cooling, not warming. ... *Newsweek*....”
#8 [1970s]

“...there was a warming period in the first half of the twentieth century, lasting about from 1910 to 1940. That was followed by a cooling period from 1940 to 1975. Since 1975, we have experienced a slight warming trend.”
#7 [1998], #17 [1934], #33 [midcentury], #106 [stopped], #162[trends]

p.2

“Satellite measurements of atmospheric temperatures do not agree with these surface readings. Satellite measurements began only in 1979, and they have shown no significant increases in atmospheric temperature in the last quarter

²⁰⁸ “One of the reasons that science has become so politicized is that the federal government transformed itself from a government of limited and specified powers to an all-purpose caring agency.”

²⁰⁹ www.skepticalscience.com/fixednum.php

Each line links to a brief description of the wrong idea, explains it, and links to more technical sources. Such ideas are simply not worth discussing yet again. Determined repetition of them indicates ignorance, at best.

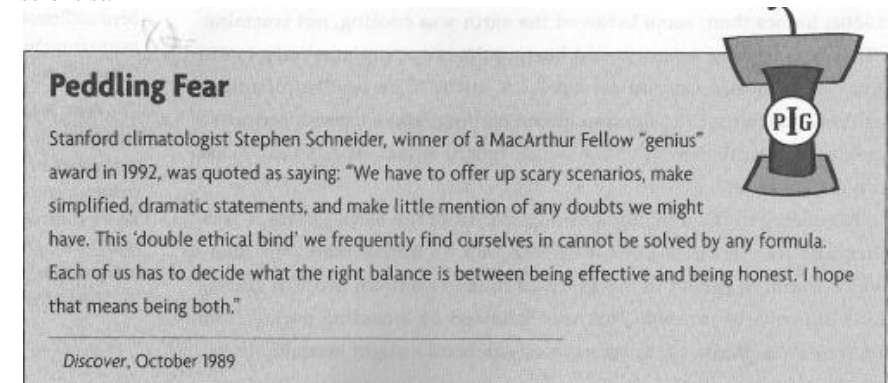
²¹⁰ rationalwiki.org/wiki/Gish_Gallop Generate bad arguments, never answer.

century. Balloon readings did show an abrupt, one-time increase in 1976-1977. Since then, however, those temperatures seem to have stabilized.”²¹¹
#38 [troposphere]

“The increase of carbon dioxide in the atmosphere therefore causes everything from plants to trees, forests to jungles, to grow more abundantly.”²¹²
#120[plant]

“Peddling Fear...”

This image is a famous out-of-context partial quote used to attack a fine scientist.²¹³



²¹¹ This was a favorite theme of Singer’s.

www.realclimate.org/docs/Open_Letter_3_to_Community.pdf

²¹² Bark beetles destroying North American forests and hot+dry air encourages forest fires and kills crops, as in Southwest 2011. Bethell might tell those farmers to abandon their farms, safer to do from a comfortable suburb of Washington, DC.

²¹³ Bethel uses an infamously-misleading partial quote often used to attack Steve Schneider. **Bethel gives a vague, untitled citation, an impediment for the average reader to find the original** (insightful, nuanced) discussion of challenges to good science communication. Hence, most readers would be induced to accept Bethell’s view. Other quotes get citations, but not this. *This is a classic smear technique that assumes people will not hunt hard-to-find citations.*

For a serious discussion see p.5 of

www.americanphysicalsociety.com/publications/apsnews/199608/upload/aug96.pdf OR

stephenschneider.stanford.edu/Mediarology/Mediarology.html#TheDoubleEthicalBindPitfall OR

en.wikipedia.org/wiki/Stephen_Schneider.

p.3

“The earth surface temperature data suggests that manmade greenhouse emission have not been sufficient to increase global temperatures.”

#36 [evidence], #31 [greenhouse]

“The earth surface temperature data suggests that manmade greenhouse emission have not been sufficient to increase global temperatures.”

#36 [evidence], #31 [greenhouse]

“increases were recorded in the late 1970s, but these were probably caused by a solar anomaly, not by anything man was doing.”

#1 [sun]

“Within the United States an “urban heat island effect” has been identified.”

#20 [uhi]

“Meanwhile, Antarctica has been cooling even as Greenland has been warming.”

#10 [antarctica], #118 [toocold]

p.5

“Fred Singer, an atmospheric physicist at George Mason University, is a leading critic and founder of the Science and Environmental Policy Project.”²¹⁴

p.6

“ All warming scenarios, including the hockey stick, rely on mathematical “models” extrapolating from a vaguely known past to an unknown future.”²¹⁵

#5 [model], #18 [hockey]

p.7

“In the early part of the century instruments and tree rings yielded similar readings, but they began to diverge significantly after 1970.

From 1970 on, the instruments show higher temperatures than tree rings. One plausible explanation is the urban heat-island effect.”²¹⁶

107 [diverge], #20 [uhi], #77 [decline]

“The “hockey stick” was first published in 1988 by climatologist Michael Mann of the University of Virginia. It was immediately used by the IPCC to promote the idea that we have an unprecedented crisis on our hands.”²¹⁷

#18 [hockey]

“There had been ups and downs-periods of both warming and cooling. Beginning in 1000 AD, there was something called the Medieval Warm period, which persisted until a period known as the “little Ice Age” took hold in the fourteenth and fifteenth centuries.”

#2 [past], #32 [lia], #56 [mwp], #164 [ipccmwp]

²¹⁴ Singer is discussed at length in ORE2010. He was once a **space scientist** (not an atmospheric physicist), and he was in the Institute Humane Studies, a GMU thinktank funded especially by Richard Mellon Scaife and the Koch brothers, MAS2010 p.70, 95. If it ever produced actual climate science, it is not obvious. SEPP = Singer, essentially, but sounds more impressive. Singer often mentions affiliation with the University of Virginia, forgetting to add “Emeritus.” It has been many years since he was affiliated with U VA.

²¹⁵ This is simply wrong. Temperature reconstructions and climate models are different things, although they may sound alike.

²¹⁶ This is one of the silliest statements. Temperature rises have been strongest in high North latitude areas, which of course tend to lack cities.

²¹⁷ The authors (of MHB98) were Mann, Bradley and Hughes, but Bethell focuses only on Mann, in common with many other anti-science advocates. In addition, the IPCC used MBH99, not MBH98, and hardly did so immediately, but as part of a widespread literature review. Finally, the MBH curves had errorbars, *which perhaps Bethell does not understand, or he did not read the original paper, but relied on others’ interpretations.*

p.8

“One sign of the warming trend was the settlement of Greenland by Vikings from Iceland.”

#26 [green], #56 [mwp]

“A recent review ... Willie Soon and Sallie Baliunas of Harvard.”²¹⁸

“...Dr. David Deming. ...”

Bethell cites a petroleum geophysicist’s book review of Michael Crichton’s thriller *State of Fear*, in a fringe-science journal that often publishes articles on reincarnation, ESP, UFOs and even “dog astrology.” The quote seems as though it comes from *Science*. It does not. Bethell does not even quote the real source, but preprint at Fred Singer’s blog.²¹⁹ The only evidence for any of this is the collection of Deming’s claims.²²⁰

p.9-

“Mann was already working on it. Whether he intended to is another question, but the hockey stick eliminated that pesky Medieval Warm period. The twentieth century⁷ was going to be the warmest, regardless of the data.”²²¹

“A Toronto minerals consultant named Stephen McIntyre...”²²²

²¹⁸ Soon and Baliunas were closely involved with GMI and OISM. Neither were at Harvard University, but at the Harvard-Smithsonian Center for Astrophysics, a separate organization. The paper was published in an infamously-poor journal.

en.wikipedia.org/wiki/Soon_and_Baliunas_controversy

²¹⁹ MAS2010a p.139.

en.wikipedia.org/wiki/David_Deming

rabett.blogspot.com/2010/11/journal-of-scientific-exploration-is.html

en.wikipedia.org/w/index.php?title=Talk:The_Hockey_Stick_Illusion&oldid=380146816#HSL_pp.23-30.2C_421_..._dog_astrology

²²⁰ en.wikipedia.org/wiki/David_Deming

He did not name anyone when he testified. *He might have had to prove it.*

www.ncpa.org/speech/climate-change-and-the-media

www.desmogblog.com/david-deming

There seems no reason to assign much credibility to Deming.

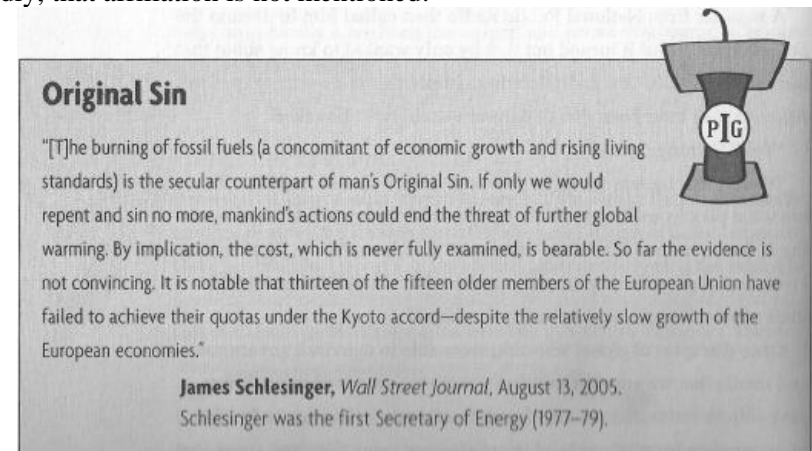
²²¹ MAS2010a, pp.140-142. “If anything, MBH allowed for a higher MWP than many studies.” Real scientists argued more with the lesser depth of the Little Ice Age than with the height of the MBH99’s MWP.

²²² MAS2010, especially §3, W.4, and see:

deepclimate.org/2010/11/16/replication-and-due-diligence-wegman-style

p. 10

At this time, Schlesinger was a Board member at Peabody Energy, but sadly, that affiliation is not mentioned:



p.11

“Another voice of reason, Francis Zwiers, ... finds that Mann’s statistical method “preferentially produces hockey sticks when there are none in the data.” This is quite misleading. Antonio Regalado wrote an article for the *Wall Street Journal*, created as part of the attack on the hockey stick and this is his (incorrect) interpretation of Zwiers’ discussion.”²²³

Hans von Storch is quoted, but in some ways misleadingly. He has been a critic, but has also said many things that Singer and Bethell would not want to quote. The history is too complex to cover here.²²⁴

²²³ sharpgary.org/RegaladoWSJ.html

MAS2010, p.149. MAS2010a, p. 28. Regalado wrote this piece as part of an anti-hockey-stick campaign orchestrated by GMI and CEI. Regalado’s brief quote clearly misrepresented Zwiers’ much-longer discussion.

²²⁴ MAS2010a covers some of this. Open PDF and do a Full Search for Storch.

p.13

“Fred Singer of George Mason University says that, in light of the new information, “the hockey stick is dead.”²²⁵

#18 [hockey]

“In *State of Fear*, Michael Crichton²²⁶ also emerged as an unexpected yet powerful critic of global warming .. He compared global warming science to eugenics, ... Crichton warned the Caltech students to be suspicious whenever they hear that any scientific conclusion is based on consensus, as we have often been told is true of global warming.”²²⁷

p.14

“Another is that leading scientific journals “have taken strong editorial positions on the side of warming.”²²⁸

“The politicization of science was underscored recently when Dr. Naomi Oreskes of the University of California analyzed almost 1,000 papers... Other academics knew of many papers that dissented from the pro-global warming party line. They included Dr. Benny Peiser, a senior lecture in the science faculty at Liverpool’s John Moores University. ... He conducted his own analysis and concluded that only one-third backed the consensus view and one percent did so explicitly.”²²⁹

#81 [oreskes]

²²⁵ See ORE2010 to assess Singer’s credibility.

²²⁶ www.realclimate.org/index.php/archives/2004/12/michael-crichtons-state-of-confusion

²²⁷ *This is science illiteracy*. Consensus arises from well-tested evidence.

scienceblogs.com/deltoid/2008/08/john_mashey_on_how_to_learn_ab.phpv

²²⁸ Crichton wrote science fiction, not peer-reviewed science

²²⁹ en.wikipedia.org/wiki/Benny_Peiser

Peiser was a social anthropologist/ sports scientist at LJMU, who seems to have found greener pastures at GWPF: www.thegwpf.org

MAS2010, p.146: of his then-14 publications, 5 were published in Energy and Environment (not credible), 4 were on various areas of **sports science**, 5 were about Earth-asteroid collisions or other catastrophes, a fairly unusual mix.

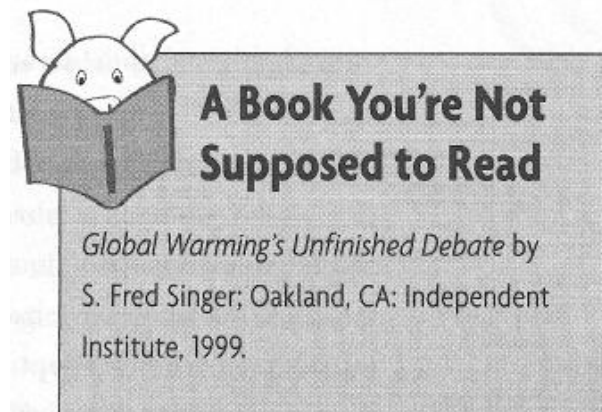
scholar.google.com/scholar?start=10&q=benny+peiser&hl=en&as_sdt=0,5 .

He has long promoted climate anti-science. His attack on the (award-winning, geoscientist/science historian and UCSD Provost) Oreskes failed miserably, as his claims were whittled to nothing. “Peiser says he withdrew his criticism in March this year.” Peiser simply did not understand what he read.

[www.desmogblog.com/sites/beta.desmogblog.com/files/monckton%20schulte%20oreskes%207%200%20\(2\).pdf](http://www.desmogblog.com/sites/beta.desmogblog.com/files/monckton%20schulte%20oreskes%207%200%20(2).pdf) Section 4, pp. 7-8.

p.15

Not knowing I was not supposed to read this, I had bought a copy of this book in 2001 and read it carefully.²³⁰ *It was already mostly wrong*, and the main unresolved question (differences between satellites and ground) was resolved by 2005 ... and Singer was wrong.²³¹



“The University of Alabama’s Roy Spencer, a leading authority on satellite measurements of global temperatures, said ...”²³²

#38 [satellite]²³³

²³⁰ I have a good collection of such books, most of which repeat the same wrong memes again and again. I took the effort to research his various claims.

²³¹ MAS2010, p.40 discusses this book and the later one by Singer and Avery. Much changed except the basic message: no restrictions on CO₂.

²³² MAS2010, pp.156-157. Spencer has persistently made serious errors, and lately generated papers that were quickly refuted. He is a member of the GMI Board. Like Bethell, he rejects evolution:

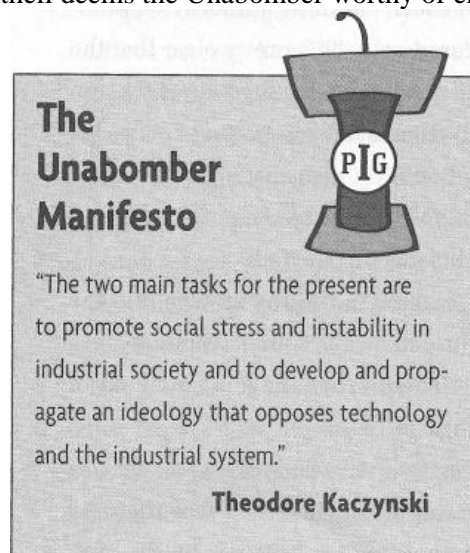
theevolutioncrisis.org.uk/testimony2.php

²³³ “It was nearly 13 years after the original papers that the adjustments that Christy and Spencer originally applied were found to be incorrect. Mears et al. (2003) and Mears et al. (2005).” Both were published before Bethell’s book.

p.16

Myron Ebell, who works for the Competitive Enterprise Institute (CEI) in Washington, DC, one of the few groups that critically examines global warming claims, says that lobbying for environmental causes is now a \$1.6 billion industry. **Skeptics like him are outnumbered by global warming advocates by perhaps 500 to 1 in the Washington, D.C. area.** Yet, CEI, **hopelessly underfunded** by comparison with such groups as the Sierra Club, is often characterized as “industry supported.” Ebell says the real problem is that the environmental lobbyists have “everything going for them except the facts.”²³⁴

Bethell deems the Unabomber worthy of emphasis:²³⁵



²³⁴ Poor Myron Ebell, he has such a hard life.

cei.org/expert/myron-ebell

en.wikipedia.org/wiki/Myron_Ebell

www.sourcewatch.org/index.php?title=Myron_Ebell

MAS2010 p.93 shows CEI funding from ExxonMobil, Richard Mellon Scaife, and the Koch brothers. Ebell was a key person in recruiting and supporting Steve McIntyre and Ross McKittrick for the attack on the hockey stick. The reader might try a Full Search for “Ebell” in both MAS2010 and MAS2010a. He appears often.

²³⁵ Bethell appears to be following this advice, by attacking scientists. Has he contributed to any useful technology? What does the reader think?

p.245 NOTES (image from book)

Chapter 1

Global Warming

1. Willie Soon, Sallie Baliunas, et al., “Climactic and Environmental Changes of the Past 1,000 Years,” *Energy and Environment*, vol. 14, 2003.
2. See David Deming, “Global Warming, the Politicization of Science and Michael Crichton’s ‘State of Fear’,” in Fred Singer’s *The Week That Was*, SEPP, March 5, 2005.
3. Antonio Regalado, “Global Warring,” *Wall Street Journal*, February 14, 2005.
4. Quoted in Fred Singer’s *The Week That Was*, February 19, 2005.
5. Robert Matthews, “Leading Scientific Journals Are ‘Censoring Debate on Global Warming’,” *Sunday Telegraph* (London), May 1, 2005.
6. Author interview with Ebell, April 2005.
7. Nicholas Kristof, “I Have a Nightmare,” *New York Times*, March 12, 2005.

Reference 1 is a famously bad paper in a non-credible journal.²³⁶

Reference 2 is not even the journal²³⁷, but a preprint.²³⁸ The *Journal of Scientific Exploration* really has published “dog astrology.”²³⁹

Reference 3 was part of the anti-hockey-stick PR campaign.²⁴⁰

Reference 4 is another piece of Singer’s.

Reference 5: Matthews actually believed Benny Peiser credible.²⁴¹

Reference 6: Ebell has long worked for CEI.

This is not impressive scholarship.

²³⁶ MAS2010, p.41. SOO2003 was earlier version with API funding.

²³⁷ www.scientificexploration.org/journal/jse_19_2_deming.pdf

²³⁸ www.sepp.org/twtwfiles/2005/Mar.%205.htm

web.archive.org/web/20050307173709/www.sepp.org/NewSEPP/StateFear-Deming.htm

²³⁹ www.scientificexploration.org/journal/jse_21_2_braesch.pdf
rabett.blogspot.com/2010/11/journal-of-scientific-exploration-is.html

Of course, Bethell might easily think JSE a credible scientific journal.

²⁴⁰ MAS2010, p.149, sharpgary.org/RegaladoWSJ.html

²⁴¹ www.telegraph.co.uk/news/worldnews/northamerica/usa/1489105/Leading-scientific-journals-are-censoring-debate-on-global-warming.html