Plagiarism? Conspiracies? Felonies?
Behind the Wegman Report and Decades of Related Anti-Science Attacks

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http://www.desmogblog.com/plagiarism-conspiracies-felonies-breaking-out-wegman-file

Executive Summary (4 pages)

Anti-science manufactures public ignorance or doubt regarding science that produces "inconvenient" results. Many anti-science PR tactics were created for the tobacco companies in1954, and employed since for other areas, sometimes by the same people. Some climate scientists have been singled out for unending harassment and personal attack, including Ben Santer, Michael Mann. Phil Jones, and others. Internet usage has helped amplify such attacks far beyond those available in the tobacco wars, especially as seen in the recent crescendo to "Climategate. *These show little more that the frustration of scientists trying to do a good job, for everyone on Earth, but unfortunately left unprotected from endless, malicious harassment by the laws and institutions around them. But the Internet is a two-edged sword, and some people have left some incriminating evidence around, and certain people's email logs would be far more interesting than those of "Climategate."*

The 2006 Wegman Report (**WR**) "was authored by Edward J. Wegman, George Mason University, David W. Scott, Rice University, and Yasmin H. Said, The Johns Hopkins University. We would also like to acknowledge the contributions of John T. Rigsby, III, Naval Surface Warfare Center, and Denise M. Reeves, MITRE Corporation." The first three formed the official Wegman Panel (**WP**). **Wegman** and **Scott** have long collaborated. **Said, Rigsby,** and **Reeves** were/had been **Wegman** students. republicans.energycommerce.house.gov/108/home/07142006_Wegman_Report.pdf **[WEG2005]** This was repeatedly portrayed to the US House of Representatives as an independent, impartial, expert effort to assess statistical claims made by **Ross McKitrick** and **Steve McIntyre** against Michael Mann, Raymond Bradley, and Malcom Hughes, but it now is clear that the **WR** had none of those attributes.

Canadian blogger "Deep Climate" (DC, deepclimate.org) recently published clear evidence that the **WR** plagiarized important text from Bradley's classic 1999 book. DC then unearthed a few more key facts that showed that the WR was not what it claimed to be. Some loudly say that climate science in general and the IPCC in particular form a giant conspiracy, but the real climate conspiracy is that of anti-science, based on small core of people, with many helpers. This paper collects public data to expose funding, organizational structure, individuals, and tactics of this two-decade, distributed conspiracy. The **WR** was just one opportunistic element, but the "big win" for anti-science, promoted endlessly. It is one example of an organized personal attack, in this case, *backed by the great power of the US Congress*, *perhaps abused.*

Plagiarism is clear from DC's side-by-side comparison, which I've verified by cchecking the **WR** versus my own copy of Bradley. Anyone could do this**.** The plagiarism was purposeful, not inadvertent cut-and-paste, as shown by obvious rephrasings. The plagiarism went further into purposeful deception, shown by a few cases where expert Bradley's words were weakened or even inverted, with no justification. ***This could not happen by accident.*** As one of the WP members wrote, "None of our team had any real expertise in paleoclimate Reconstruction…" The **WP** signed off on this as a group, but did it create the plagiarism and extra deception itself, or was it helped? If so, exactly who helped?

The **WR** not only incorporated deceptive plagiarism, but expanded far beyond its supposed statistics charter. It included a large section attacking the social network of paleoclimatology. It incorporated inappropriate references from the "grey literature" or popular press, totally misplaced in something supposed to be credible. The Wegman Panel (**WP**) got much information **House Energy&Commerce's staffer Peter Spencer**. **Spencer** was not mentioned in the **WR**, nor was the preparatory involvement of others. Starting from the **GCSCT1998** plan, **CEI/Cooler Heads Coalition (especially Myron Ebell), George C. Marshall Institute (GMI, many)**, and later **Senator James Inhofe (R-OK)** and staff were involved in recruiting, encouraging, and publicizing ***Ross McKitrick*** and then ***Steven McIntyre ("M&M")*** , offfering exposure to experienced, vocal people like **Fred Singer**, **Pat Michaels**, **Sallie Baliunas**, **Willie Soon**. **McKitrick** was a Senior Fellow at the **Fraser Institute** from 2002 onward, and both he and **Steven McIntyre** were **GMI** "experts" by March 2004. In February 2005, the **Wall Street Journal** featured **M&M**.

In May 2005, an **M&M** presentation and discussion for **GMI+CEI/CHC** essentially outlined tactics to be followed later. In June 2005, the effort was handed off to **Reps. Barton** and **Whitfield (R-KY)**, and the others temporarily faded into the background. *The reasons for this handoff are unclear, but it may well have been done to counter the negative publicity from the exposure and resignation of **Phil Cooney**, followed within a few weeks by highly unusual letters from **Barton** and **Whifield** demanding information from Mann, Bradley, Highes, and others.* **Ebell** sent copies of those letters to the White House's **William Perhach** within 90 minutes of the PDF files' creation, before the recipients were even guaranteed to have gotten them. **Wegman** was approached in September 2005, not by the usual official routes in which scientific advisory panels are found, but indirectly via **Jerry Coffey**, an interesting choice. The **WP** clearly had some contact with **McIntyre**, and had several opportunities for direct personal contact.

The legitimate scientific community, and some members of Congress objected vociferously to this whole procedure, but it did little good, *if the objectives were publicity and harassment, not better science. If **Mann**'s work could be inflated into a giant strawman as the main "pillar" of the 2001 IPCC Report, as Sen. Inhofe called it, and then discredited, then global warming would "go away."* This is scientific nonsense, but very good PR tactics. The "hockey-stick" attack was far more a central pillar of an anti-science campaign than it ever was a pillar of the actual science, it which it was just one of numerous consistent evidence and analyses. Unlike most, though, it offered a a simple, understandable, graphic summary, so the IPCC used it, and it was compelling enough to invite this attack from people trying to discredit the IPCC.

Personal attacks can be good tactics as well, and this was not the first time, as people like Ben Santer had been harassed for years, and he was not the only one. Maybe this study will help him, and Phil Jones, and others finally get some justice.

This study may offer enough information to merit investigation of many plausible participants. Unlike those who defame many scientists as criminals, I label no one mentioned in this document as criminal –that is for possible Congressional / DoJ investigations and courts to decide, not me.
But the following are well worth reading, and perhaps many people should be consulting lawyers:

18.U.S.C §1001 &, §4 : Misleading Congress Is a felony, as is not reporting it
codes.lp.findlaw.com/uscode/18/I/47/1001 (a, 1), (c, 2) felony (up to 5 years)
codes.lp.findlaw.com/uscode/18/I/1/4 Misprision of felony (up to 3 years)
18.U.S.C §371 : Conspiracy to commit felony is also a felony…
codes.lp.findlaw.com/uscode/18/I/19/371 conspiracy (up to 5 years)
www.justice.gov/usao/eousa/foia_reading_room/usam/title9/crm00652.htm
If I interpret this aright, an "unfulfilled conspiracy" is not affected by usual statures of limitations.
Sometimes even when people didn't realize they were involved:
criminal.lawyers.com/federal-criminal-law/blogs/archives/629-Federal-Criminal-Conspiracy-Law.html
www.juryinstruction.com/members/content/national/ncjic_documents/chapter083/83_2.htm
Defamation is complex, especially Internet & international
www.expertlaw.com/library/personal_injury/defamation.html#4
www.ibls.com/internet_law_news_portal_view.aspx?s=latestnews&id=1874
www.article19.org/advocacy/defamationmap/map
en.wikipedia.org/wiki/Defamation Can be criminal some places
As a legal layman, this is complex to understand, but *it surely seems like organized defamation to me.*

Even simple plagiarism is a serious problem in academe, can lead to copyright suits as well.
But, though I hesitate to invoke yet another comparison to Watergate, the plagiarism was a far better analog to the original Watergate burglary, where it took a while to understand the meaning of the fact, and then unearth the details. But the Internet helps, and some people were rather foolish in what they left there, although some went unnoticed for years, and some was buried in nonobvious places. This is akin to military intelligence, in which facts are gathered whose importance is unclear, until some new key fact is uncovered. Suddenly, old data takes on new meaning and new directions for searching are identified. DC's work was the key, and I had already been collecting information for years.
Certain email logs might be even more instructive, as would testimony under oath. Getting them takes subpoena power, which I certainly do not have. Maybe someone who does may get interested.

The reader should be undaunted by the length of this paper. Most people might read about 25 pages. Those primarily interested in recent discoveries about the **WR** can just look at **Fig 2.1** for context, then skip to **§4,** read it, and references from the various Appendices. However, the **WR** is just a small example of a systemic problem, and the rest of the document collects a great deal of detail to let people follow some subset of threads of interest to them. This is serious, so needs real backup. There are ~550 URLs.

Bold terms have entries in Appendices **A.1-A.4**, **Bold names** in **A.7**, and most such are shown there as **Name**+, to make them easy to search in an online PDF. This is written to work on paper, as possible.

Given the hundreds of hours of Web-searching done under time-pressure, I hope the inevitable errors are not large ones. Some redundancy was hard to avoid, to keep readability on paper. Most content is objective information, but *opinions or occasional speculations are highlighted in Italics*. Some conclusions are inherently qualitative opinions, sometimes akin to those of commercial or military intelligence, where one tries to discover actions that others would prefer not be seen.

§1 explains terms *pseudoscience, science-noise,* and *anti-science*, of which the last is the focus of this paper. **Fig 1.1** shows the overall process of *bypassing science*, whose modern implementation likely began with tobacco companies. **Fig 1.2** gives a timeline for sample past climate anti-science campaigns.

§2 visually describes the machinery of anti-science as context for the other discussions.

§3- **§5** organize the chronology of climate anti-science into 3 periods: 1988-1997, 1998-2007, and 2008-present. The primary focus is **§4**, the manufacture of the 2006 **WR,** but both earlier and later campaigns are important for context, to not treat it as a one-off oddity. Recurring patterns are:
- attempt to counter the science directly, which generally fails
- create confusion in the public, usually successfully
- and if not enough, pick a few scientists for unrelenting personal attack, in Ben Santer's case, 15 years.

§6 is a brief conclusion, with pleas for various kinds of action, followed by large Appendices.
Either our institutions learn better how to defend scientists whose research is inconvenient, or we should just quit funding that science right now. We can let tobacco companies decide whether nicotine is addictive to children or not, and we can let fossil fuel companies decide climate science. If we keep letting scientists be singled out for unrelenting personal attack for doing their jobs, that is what will happen. *It would likely be less damaging to give the tobacco companies free rein.*

We have the Tobacco Archives, unfortunately we do not (yet) have the Climate Anti-Science Archives…

Climate Conspiracy? Pick one:

Climate Science. *The IPCC is constantly attacked as a conspiracy to create socialist world government, or something like that, despite an open process that requires answering every question, no matter how inane. Climate scientists as a group are attacked as forming a cabal, pulling a hoax on the world to obtain huge government grants, although most IPCC contributors essentially do that work as an unpaid extra job, and most people smart enough to gain PhDs could make more money doing something else.*
And why exactly, should Phil Jones get death threats? Should society as a whole like that?
http://www.timesonline.co.uk/tol/news/environment/article7017905.ece

Climate Anti-Science: *is similar to the tobacco conspiracy, and partially derived from it. It is funded from fossil fuel companies, using multi-level money-laundering techniques to pay tax-free think tanks and front organizations to propagate disinformation. It lobbies well and has powerful political connections. It uses methods from the cigarette wars, and involves some of the same PR agencies, think tanks and people. Unlike the early tobacco wars, it employs the Internet well, and it has learned how to use personal attacks, encourage threats of violence, and mis-use FOI/FOIA laws to waste researchers' time and harass them. If the IPCC makes a few minor mistakes in 3000 pages, that is fraud and conspiracy, but valiant skeptics can ignore laws of physics at will, use totally bogus statistics, and invoked pseudo-science as needed.*

If there is a "Climate Conspiracy", is it the Science Conspiracy, or the Anti-Science Conspiracy?

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1 Introduction and Definitions

Science. Real science starts with research, followed by peer-reviewed publication in credible places, and most crucially via repeated evaluation by field researchers. Like the Great Wall **[MAS2008a]** built over time, brick by brick, it does not fall down because one brick jiggles. Science accumulates over time, with large collections of research, rarely dependent on any one paper.

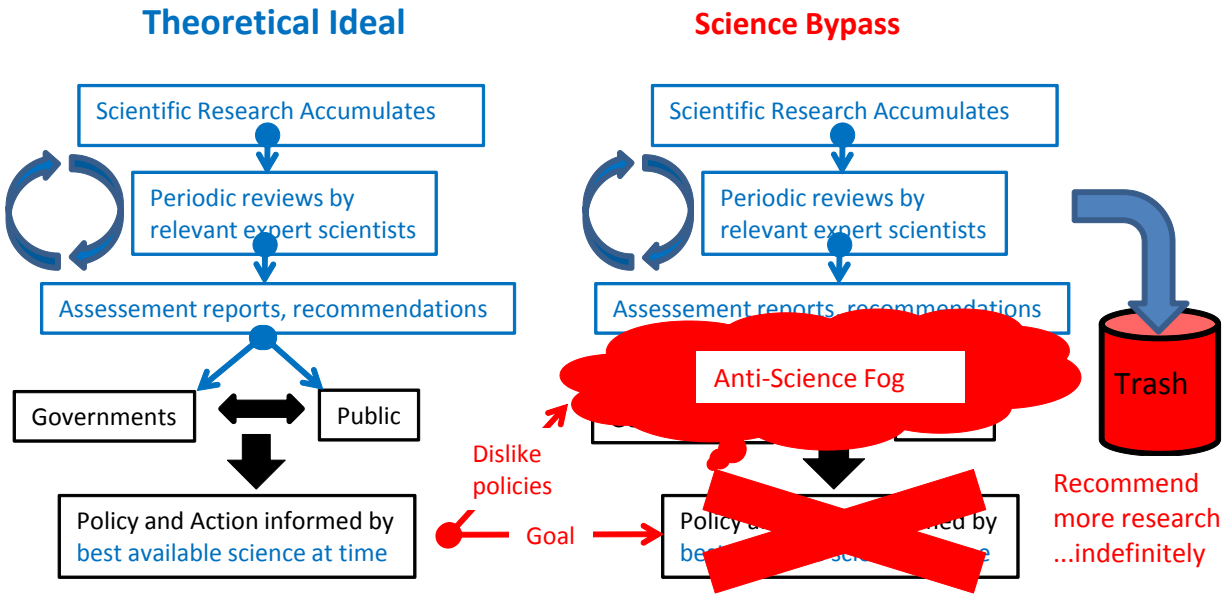
Pseudoscience. When ideas are repeatedly examined, often explicitly refuted, but originators persist in the face of a strong imbalance of evidence, at some point it becomes *pseudoscience*, an attempt to convince scientists to adopt an idea for which the balance of evidence is strongly adverse.

Science-noise. In communicating new results to the public, the end-to-end process easily over-interprets results, loses caveats, or creates outright errors, as often happens in space-constrained newspaper headlines. This might be called *science-noise*, for lack of a generally-accepted term. Good communication of science to the public is nontrivial. Signal is often obscured by noise, purposeful or accidental, which can either increase or lessen the perceived importance of some scientific result. Science-noise in one direction sometimes incites people to the other extreme, ignoring the real science. But organized *anti-science* is very different from science-noise. Many scientists are simply unaccustomed to dealing with it, since most scientific fields face no organized anti-science.

Anti-science. *Agnotology* was coined by Stanford's Robert N. Proctor **[PRO2008]** to describe the deliberate production of ignorance and doubt. When applied to scientific topics, it might be called *anti-science*, employed especially when research results threaten strong economic or ideological interests. It is rarely intended to convince field professionals, but to confuse the public and especially decision-makers in government and business. Many modern anti-science tactics were invented by Hill & Knowlton in 1954 for tobacco companies and used thereafter, often by the same people and organizations, especially in fighting environmental regulations. (See **TIRC** in **A.3**.) However, the rise of the Internet has offered new opportunities for anti-science amplification.

Anti-science sometimes employs its own science-noise and even pseudoscience. Suppose someone writes a peer-reviewed paper showing some well-caveated, modest effect, but then drastically and repeatedly over-interprets it for non-field audiences via OpEds, lectures, blogs, websites, claiming it has demolished decades of careful research. That is usually deliberate anti-science, not just science-noise. Organized anti-science seeks to bypass science:

Fig. 1.1 Science and Policy



Classic Science Bypass Methods. A few prestigious physicists have long campaigned to nullify the results of climate research, especially policies deriving from it, or more generally to obscure any science that might lead to government environmental regulation of almost any sort. They have been joined by many others. This has been done, not by publishing peer-reviewed research, but via PR techniques for creating doubt in the general population. The general approach was created by Hill and Knowlton in 1954 for the tobacco companies to fend off unwanted regulation **[BRA2007**], in the booklet "A Scientific Perspective on the Cigarette Controversy":
legacy.library.ucsf.edu/tid/wye21a00/pdf
This approach was classic *science bypass* – get quotes from authoritative-sounding sources, distribute to a large public audience, to create doubt and delay. This approach has long been employed since to fight most environmental regulation, whether warranted or not. Read the document, and assess whether or not *Sourcewatch*'s summary is fair. The themes were:

- The evidence is still inconclusive.
- Something other than smoking may be responsible.
- Statistical evidence can't be trusted.
- It's all a scare campaign.
- The issue is too complicated, even for scientists.
- Nit-picking at irrelevant details.
- More research is necessary.

See further discussion in **A.3** under **TIRC**.

Organizations and petitions named in **Bold** have entries in the earlier Appendices, and a reader swamped by unfamiliar acronyms might scan those.

Caveat. Wiki and many web pages here are never regarded as authoritative, just useful guides to further references. They can be helpful introductions to new topics, and often summarize information not easily findable in any other single place. They are best employed to find references. One can easily ignore opinions there, but this paper already has 500+ URLs, and avoiding Wikis would easily multiply that by 10.

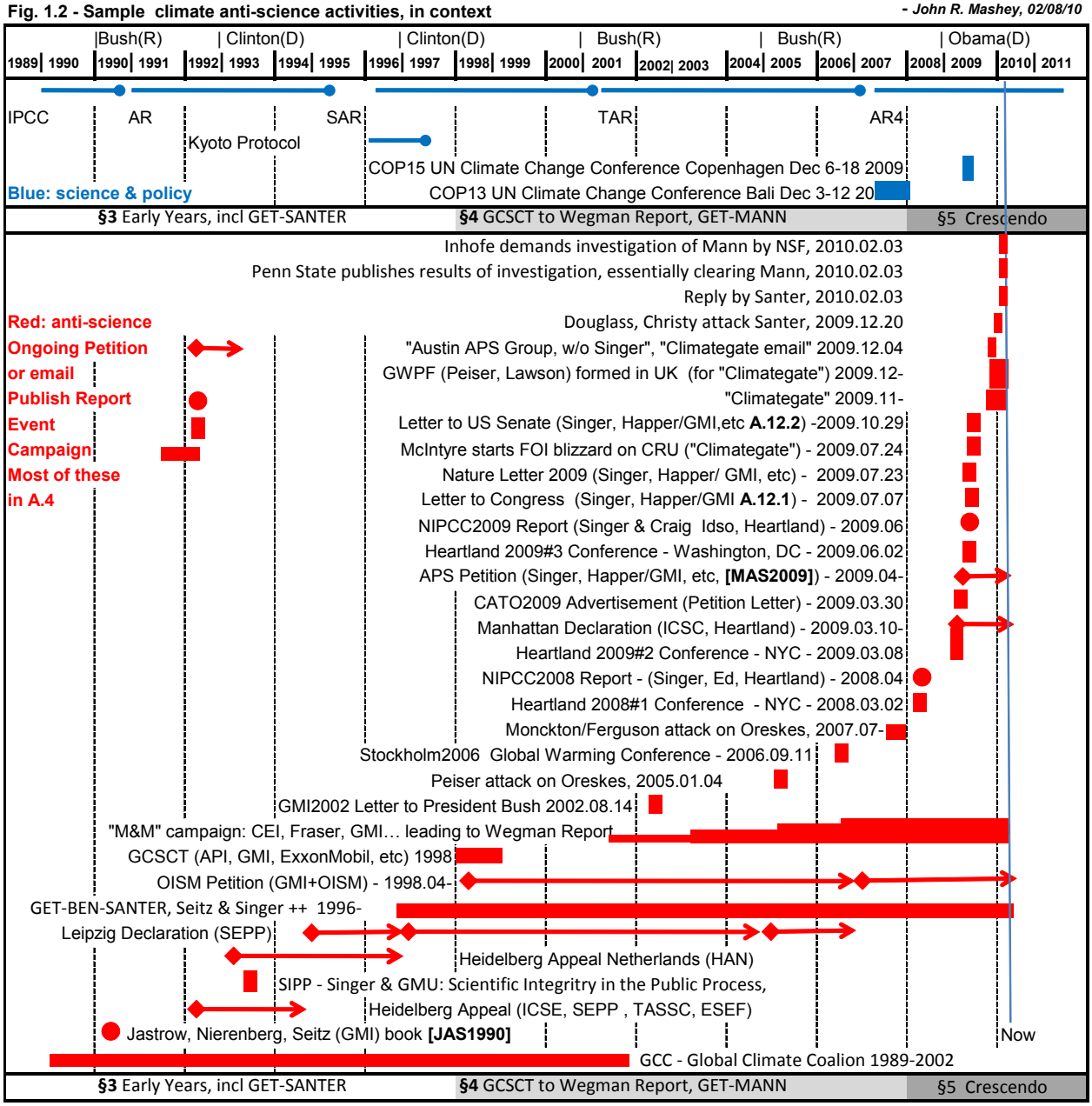
Sometime massive official documents (like foundation "990" forms) are only summarized elsewhere. Real researchers tend to ignore truly awful journal papers, but sometimes good refutations exist only in blogs or other websites. Starting with a problematical article, peer-reviewed refutations can be hard to find, unless one subscribes to specialist journals or spends much money on articles behind paywalls. It is even harder to make this accessible for a wider audience unlikely to have free access to those journals. Hence, I have leaned towards carefully-selected websites with understandable explanations, based on peer-reviewed work, rather than exhaustive tracking of specialist literature.

This paper is long, and much is about interpersonal connections, so surnames alone are typically used for brevity, titles are omitted, University is abbreviated as U, intending no discourtesy to any. Most references are given via in-line URLs, as per Web pages, most convenient for those reading the PDF on-line, but URLs are shown visibly for usability when reading a paper copy. On-line/paper combinations are still works in progress. I apologize for the dense encodings needed for compact displays to help show relevant attributes.

Very important qualification. Whenever groups are mentioned as connections, absolutely *nothing* is implied about other members of the group. Group names are simply used as familiar labels and to help understand connections, whether certain, likely, or at least plausible.

Fig 1.2 shows a long history of climate anti-science, with frequent peaks whenever it seems that someone might actually take effective action. The early years showed efforts by relatively few people. A major expansion occurred starting in 1998, as the Kyoto Protocol occurred. A real crescendo of activity is visible in the last few years. This is given for context, because otherwise, it is all too easy to misunderstand any single incident. IF X attacks Y as having done bad science, that might be a legitimate comment, but if one knows that X has been attacking everybody for 20 years, it casts a different light on the subject.
People unfamiliar with the players may be inclined to give X more benefit of the doubt than someone logn familiar with them.

Fig. 1.2 - Sample climate anti-science activities, in context *- John R. Mashey, 02/08/10*



2 The Machinery of Anti-Science – Laundering Money and Memes

This section offers frameworks to help analyze the machinery of anti-science.

Fig. 2.1 is a top-level view, with details expanded in **Figs. 2.2-2.6**. It shows flows of memes (ideas, information, and especially disinformation, and sometimes personal attacks) and money. It is the architecture of the anti-science machine that uses PR methods to confuse people about science. . Money (black) flows from funders at the top (O1, O2), of which the most important examples are described in **A.2**. Money paths are often murky, and often purposefully, hence the use of a $$$-filled cloud. Sometimes money flows through several layers of foundations, then goes to think tanks or fronts. Corporate money often goes through trade associations into fronts or think tanks. Then it goes to individuals. An individual can correctly say "I don't take money from fossil fuel companies" and

Relevant organizations that at least sometimes do anti-science advocacy are described in **A.3,** with examples of common tactics in **A.4**. Many people are listed in **A.7**, not all of whom do anti-science, *but many of whom might plausibly be asked some questions*. In some cases, I have little idea what someone actually does, but their name was mentioned somewhere interesting enough to remember.

Fig. 2.2 describes people's backgrounds and levels of knowledge about some specific natural science, in this case climate science. **Fig.2.3**. explains Category B, Backgrounds.

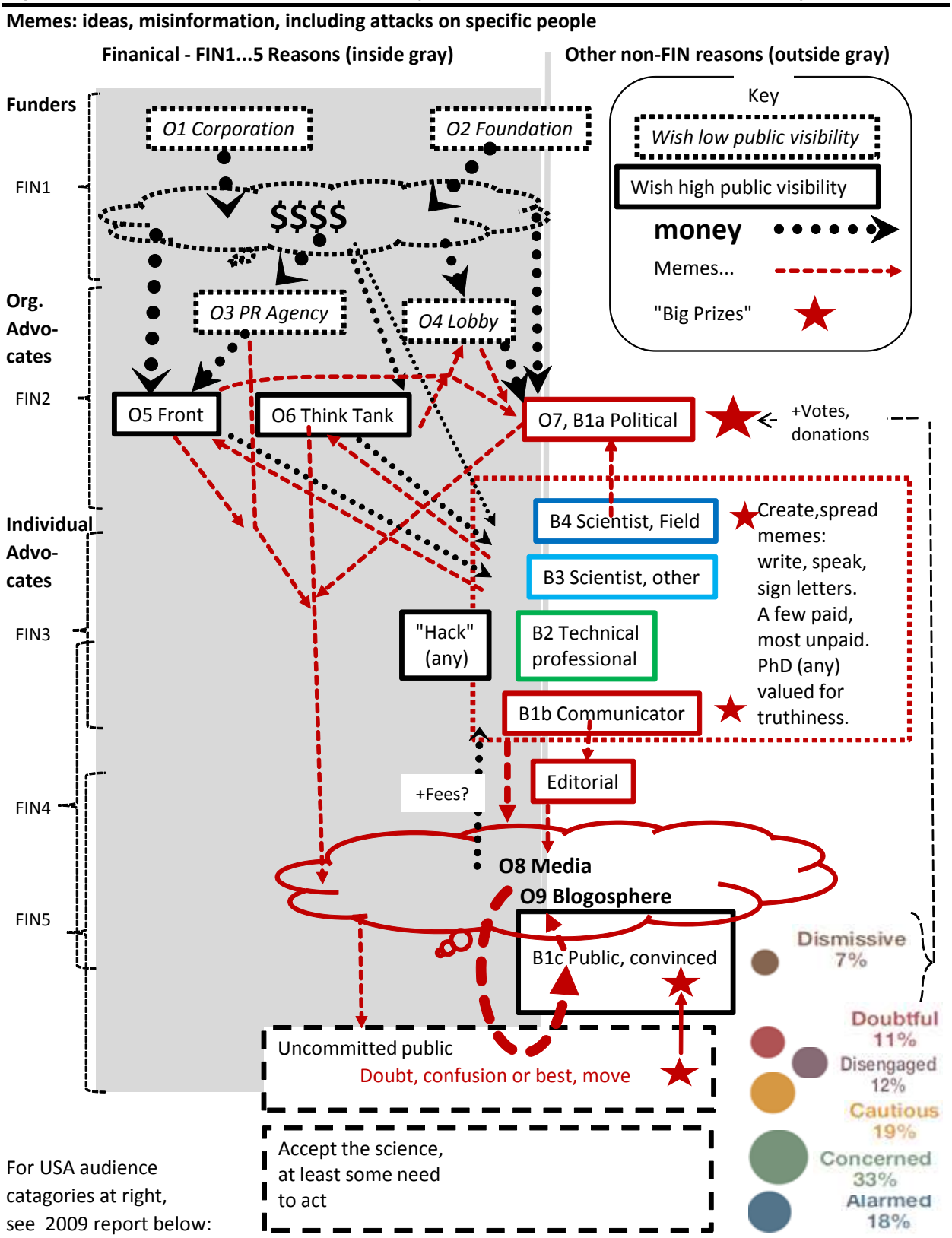
In most scientific disciplines, scientific knowledge is produced by people in the K7-K10 levels of knowledge. *For instance, Richard **Lindzen** might be labeled K9 as he is quite knowledgable. He has done work good enough to be Member of the National Academy of Science, although his recent work seems not to have held up very well, and his views on some topics are far from mainstream. He often writes **WSJ** OpEds whose views would not survive peer review in credible journals. Unfortunately, the public is bombarded with memes generated by a few people from K3-K7, and then amplified and repeated endlessly by those in K0-K2. To what extent should a reasonable person trust an **ExxonMobil** lobbyist and 25-year veteran of the **API** (American Petroleum Institute) to explain global warming science?*

Fig 2.4 explains the different kinds of organizations (O1-O9 in Fig 2.1) that might be involved in anti-science activities. Few think tanks do climate and science, some do some, and a few do a great deal of it.

Fig. 2.5 integrates **Figs. 2.2-2.4** into one map of organizations and individuals versus reasons for involvement with anti-science, and **Fig 2.6** explains more details of reasons why people might do anti-science, as they vary widely. For any given person or organization, some reasons can be confidently inferred. Others can be at best speculation, especially lacking direct experience. People observably come to anti-science by various routes, and. Many who accept and repeat climate anti-science have no obvious financial connection. For instance, politics and ideology seemed to be more relevant for the group of physicists studied in **[MAS2009]**.

Funding.
Since many think tanks will not discuss their funding sources, foundation funding records are useful, but incomplete hints, as direct corporate funding is mostly unfindable. Appendix A.6 shows known funding flows from ExxonMobil and various foundations to think tanks. Many think tanks manage to be 501(c)(3) tax-free foundations, despite acting essentially as PR and lobbying agencies.
en.wikipedia.org/wiki/501%28c%29

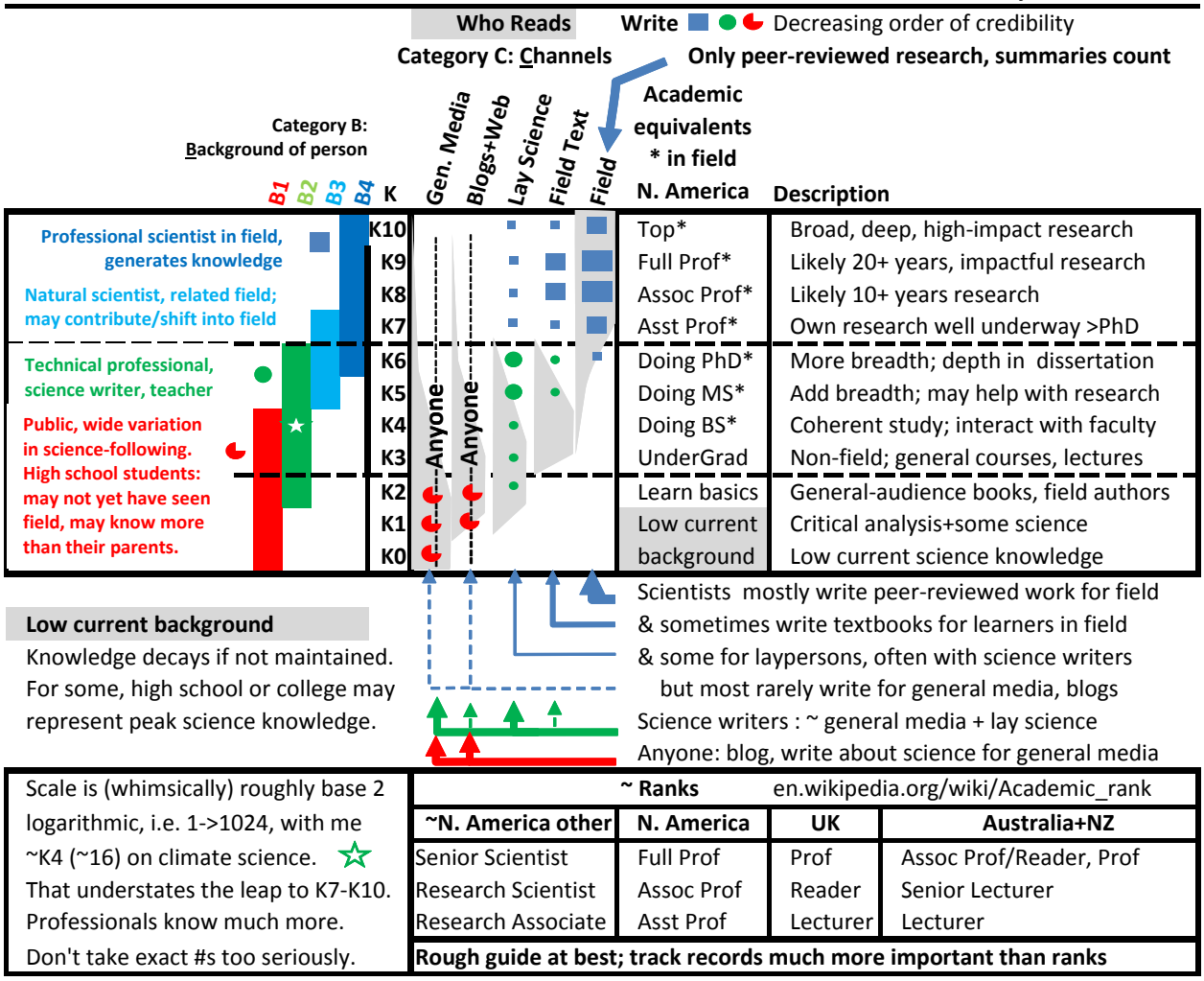
Fig. 2.1 OBR Flow - Anti-Science Flow of Money and Memes ***John R. Mashey Feb 2010, v0.8***



For USA audience catagories at right, see 2009 report below:
[YAL2009] http://envirocenter.research.yale.edu/uploads/climatechange-6americas62309.pdf

Figs. 2.2 and **2.3** roughly model levels of knowledge /expertise in a given natural science area, like climate science, plus approximate backgrounds. They are used to try to calibrate whether someone's unsupported opinion on a topic might be worth something or not. A great deal of anti-scienice is communicated by people fairly low on the experrtise scale.

Fig 2.2 BCK Map Knowledge/expertise in a science field + B & C Categories *John R. Mashey, Feb 2010; v1.0*



Scale is (whimsically) roughly base 2 logarithmic, i.e. 1->1024, with me ~K4 (~16) on climate science. ☆ That understates the leap to K7-K10. Professionals know much more. Don't take exact #s too seriously.

~ Ranks en.wikipedia.org/wiki/Academic_rank

~N. America other	N. America	UK	Australia+NZ
Senior Scientist	Full Prof	Prof	Assoc Prof/Reader, Prof
Research Scientist	Assoc Prof	Reader	Senior Lecturer
Research Associate	Asst Prof	Lecturer	Lecturer

Rough guide at best; track records much more important than ranks

Fig. 2.3 B Categories: Backgrounds of People *John R. Mashey, Feb 2010, v0.7*

B1	**Public, no particular field or technical expertise; here grouped in 3 subcategories by visibility**	
	B1a Politician	Individual politician
	B1b Communicator	Visible pundit, speaker, columnist, writer, possibly with official blog.
	B1c Other Public	May write letters, post on blogs, even pay for own blog
B2	**Tech professional**	Layperson in field, but with relevant technical skills; science journalists Engineers, including computer scientists; others with relevant statistical skills, like economists. Need to study field, of course.
B3	**Scientist, other**	Natural scientist, perhaps related field, but not in the specific field
B4	**Scientist, Field**	Natural scientist within specific field; famous scientist is good catch

The rest of these describe various aspects of anti-science.

Fig. 2.4 O Categories: Organizations, of which some do anti-science ***John Mashey,Feb 2010, v0.8***

Organizational Advocacy		*Italics: minimize public visibility, at least for this specific topic/connection*
Funds normally start with O1/O2, but then often follow multi-hop paths through others		
O1	***Corporation***	*Corporations, especially those that "privatize profits, socialize costs"*
		See "negative externalities" in economics. May outsource some lobbying.
	O1a	*Profits: strongly-detrimental products; Ex: TOBACCO*
	O1b	*Profits: products useful, but have negative side-effects, relatively localized*
		Ex: Asbestos, local polluters
	O1c	*Profits: clearly useful products/services, but broad negative side-effects*
		Ex: Fossil fuels (energy) and other GHG producers
	O1d	Specific wish to lower regulation/taxes/risks for itself
	O1e	General wish to minimize bureaucracy of doing business
O2	***Foundation***	*Often funded by family wealth built on same corporation types as in O1*
		Individual funders may be included here, but the big money is foundations.
O3	***PR Agency***	*Work-for-hire (WFH); minimal public visibility; can do major strategy*
		Some (not all) PR agencies seem happy to sell anything to anyone:
		John Hill of Hill&Knowlton created tobacco strategy.
O4	***Lobbyist Firm***	*Work-for-hire (WFH), but mostly targets government. USA: "K Street"*
		Of course, others (O1-O3, O6-O7 do lobbying as well.
O5	**Front Org**	Usually "captives" of funders who create them for joint effort or
	or Industry	a "public face" that might be more credible than the funders.
	Association	Trend seems: O5a => O5b => O5c, and especially O6
		to "outsourcing" such efforts to thinktanks who compete for business.
	O5a	a) Long-term industry association, obviously funded by O1's
		Example: American Petroleum Institute, which is what it says it is.
		Usually do lobbying; seems less used lately for public PR
	O5b	b) Front organizations visibly funded by O1 (+O2)
		Example: TIRC; Cooler Heads Coalition
	O5c	c) "Astro-turf" organizations, fake grassroots, misleading names
		Example: TASSC, The Advancement of Sound Science Coalition
O6	**Think Tank**	One-person+website … large continuig entity. Often exists independent
or policy institute		of specific funders (unlike O5b+O5c), but competes for funds, by touting
Some Think tanks		abilities to convince public, lobby politicans, send FAXes, and seem
(and other NGOs)		as independent entities more credible than their funders.
are nonpartisan		Funding is often murky, and some Think Tanks pass funds to others.
entities that do		They can do PR / lobbying, but have publicly-visble identity,
what they claim.		unlike PR agencies and lobbyists, but unlike those, many are tax-free
But some are not.		nonprofits, which saves money. Some emphasize O1e views, but get most
		funding from O1a-O1c+O2, who may want to "hide in crowd".
	O6a large	AEI, CEI, CATO, Heartland
	O6b medium	GMI, ELC: handful of regular staff
	O6c small	Science and Public Policy Institute SPPI (new, small), ~1 person+Website
O7	**Political Org.**	Political party; PAC
O8	**MSMedia**	MainStream Media; lately, distinction vs blogs is fuzzier
O9	**Blogosphere**	Some parts are actually more interc-connected than they seem,
		and cooperate to spread messages. Others are just random bloggers.

Fig. 2.5 OBR Map: Anti-Science Organizations & People vs Reasons ***John R. Mashey, Feb2010, v0.9***

Organizational Advocacy / Individual Advocacy / *Ital: minimize visibility*	**IF anti-science, then which set of reasons is plausible or clear?**																									
	FIN					**IDE**		**POL**		**PSY**											**In field**				**TEC**			
	1	2	3	4	5	1	2	1	2	1	2	3	4	5	6	7	8	9	a	1	2	3	4	5	6	7	8
O1 Corporation	**X**																										
O2 Foundation	**X**					x														**X**							
O3 PR Agency		**X**																		x							
O4 Lobby		**X**				x																					
O5 Front org		**X**				x																					
O6 Thinktank		**X**				x																					
O7 Political Org.		**X**	**X**			**X**		**X**		Some of these are especially hard to know																	
O8 MSMedia		**x**	**x**			**x**		**x**																			
O9 Blogosphere		**x**	**x**			**X**		**X**		**Almost any combination can be found**																	
B1a Politician		x	**X**			**X**		**X**		x		x		x		x	x										
B1b Communicator			x	x		**X**			x	x		x		x	x	x	x		x								
B1c Other Public				x	x		x		x	x			x	x		x	x	x	x								
B2 Tech professional			x	X	x		x		x	x		x	x	x	x	x			x					x		x	
B3 Scientist, other			x	x	x		x		x	x		x	x	x					x					x		x	
B4 Scientist, Field			x				x		x	x	x	x	x						x	x							

FIN1	Huge: long-term, direct economic organizational self- interest
FIN2	Large: long-term, direct organizational interest, via funding from above
FIN3	Personal: direct economic interest, effectively paid for anti-science
FIN4	Plausible Fear: personal economic impacts, less direct , employee
FIN5	Vague fear: personal economic impacts; general public
IDE1	Professional (paid political advocacy; anti-regulation; creationism?)
IDE2	Public (political advocacy; anti-regulation; creationism)
POL1	Political wedge tactic: "X says it", more votes
POL2	Against: "Cannot stand X, so anything they say is wrong"
PSY1	Conflates: confuses non-science with real science, dismisses latter as former
PSY2	Contrarian nature; even without attention
PSY3	Contrarian attention: gets much more attention/publicity; may help career
PSY4	Ego/pride: in skepticism in general and of scientists in particular
PSY5	Dunning-Kruger Effect; incompetent and does not know it
PSY6	High-bar, low-bar: real science takes work; contrarian, easy acceptance
PSY7	Ambiguity-intolerant personality: all-or-none thinking
PSY8	Personal anchor: encounters anti-science early, accepts, sticks
PSY9	General psychology denial: problem just too big
PSYa	Personal: Influence from respected mentor/colleague/etc with strong beliefs
TEC1	Long Anchor: early position from TEC0, held long , ~Type II error)
TEC2	Field non-science: evidence stays weak, mild ~Type I error
TEC3	Field pseudo-scienice: wrong: strongly disproved, strong ~Type I error
TEC4	Intra-field (or nearby) conflict: personal, factional; discipline rivalry
TEC5	"Going emeritus": (retired, or close) person starts opining beyond expertise
TEC6	Ego: smarter than field scientists, prove them wrong
TEC7	Inter-field conflict: many in one field dislike (usually newer) field
TEC8	Over-generalization: of methods from own area, models, proofs, etc

Fig 2.6 R Attributes: Reasons for Anti-Science (Environmental) ***John R. Mashey, Feb 2010, v0.8***

IF anti-science THEN one or more following reasons likely to be found; not all combinations make sense.

Finance	**FIN1**	Huge: long-term, direct economic organizational self- interest
	FIN2	Large: long-term, direct organizational interest, via funding from above
	FIN3	Personal: direct economic interest, effectively paid for anti-science
	FIN4	Plausible Fear: personal economic impacts, less direct , employee (ex: coal co)
	FIN5	Vague fear: personal economic impacts; general public
		LB suggests "reference dependency" and "non-rational risk assessment"
Ideology	**IDE1**	Professional (paid political advocacy; anti-regulation; extreme free-market)
	IDE2	Public (political advocacy; anti-regulation; extreme free-market, beyond usual)
Politics	**POL1**	Political wedge tactic: "X says it", more votes
	POL2	Against: "Cannot stand X, so anything they say is wrong"
		Example: "greenie treehugger environmentalists", or "Al Gore"
Psychology	**PSY1**	Conflates: confuses non-science with real science, dismisses latter as former
	PSY2	Contrarian nature; even without attention
	PSY3	Contrarian attention: gets much more attention/publicity; may help career
	PSY4	Ego/pride: in skepticism in general and of scientists in particular
	PSY5	Dunning-Kruger Effect: incompetent and does not know it
	PSY6	High-bar, low-bar: real science takes work; contrarian, easy acceptance
	PSY7	Ambiguity-intolerance: all-or-none thinking; "Authoritarian personality" ??
	PSY8	Personal anchor: encounters anti-science early, accepts, sticks
	PSY9	General psychology denial: problem just too big
	PSYa	Personal: Influence from respected mentor/colleague/etc with strong beliefs
Tech including science	**TEC1**	Long Anchor: early position from TEC0, held long , ~Type II error)
		Early doubts OK, but mainstream has long ago moved. TEC7, PSY2?
	TEC2	Field non-science: evidence stays weak, mild ~Type I error (solar?)
	TEC3	Field pseudo-science: wrong: strongly disproved, strong ~Type I error
In field		Scientist has an idea, but mainstream science gets in its way. (cosmic?)
	TEC4	Intra-field (or nearby) conflict: personal, factional; discipline rivalry
		Some meteorologists and TV weather people seem especially
		prone to distrusting climate scientists, especially modelers.
		Guess: the former have to predict noise, and get criticized when they miss.
		Some may not understand the physics and methods of climate modeling.
Either	**TEC5**	"Going emeritus": (retired, or close) person starts opining beyond expertise
		These are truly sad cases. Sometimes response to perceived loss of influence.
		If inside field and has long done good work, then… might be TEC1, PSY3, PSY1
	TEC6	Ego: smarter than field scientists, prove them wrong
Not in field	**TEC7**	Inter-field conflict: many in one field dislike (sometimes newer) field
		Unsurprising that some mining/petroleum engineers disbelive AGW. (FIN4)
		Some a) physicists, b) engineers, c) economists, d) political scientists seem
		unusually likely to distrust climate science. (Speculative) reasons complex.
		DOE, nuclear, weapons folks sometimes dislike environmentalists…
	TEC8	Over-generalization: of methods from own area, models, proofs, etc

Following understandable, but at some point become real anti-science TEC1 or PSY1

In field	***TEC0***	*Normal scientific argument evidence, value, uncertainty ?=>TEC1*
Anyone	***PSY0***	*Irked: exaggeration, non-science, bad journalism, moral arguments ?=>PSY1*

3 1988-1997 Early Climate Anti-Science, "Get Santer … and the IPCC"

Key: X entries: s: attacks on Santer; m = attacks on Mann; s = Climategate-based attacks on Santer; m = Climategate-based attacks on Mann; c = General "Climategate".

3.1 Chronology 1988-1997

Date	X	Who	Action or Event
1988		Congress	Hansen Testimony
1989		IPCC	First meeting
1989		**GCC**	**GCC** - Global Climate Coalition created
1990		**GMI**	**[JAS1990]** published by **Jastrow, Nierenberg, Seitz**
1992.04.14		**Singer, TASSC**	**Heidelberg Appeal,** Michael Salomon
1992.06.01		**WSJ**	Prints version of **Heidelberg Appeal**
1993.05.24		**Singer, GMU**	"Scientific Integrity in the Public Policy Process"
			www.sepp.org/Archive/conferences/conferences/sippp.html
1995.06		IPCC	SAR - Second Assessment Report
1995.11.09		**Singer**	**Leipzig Declaration #1**
1996	s		**GET-BEN-SANTER-1996** campaign 1996- **[ORE2010]**
1996	s	**Singer**	www.sepp.org/Archive/controv/ipcccont/ipcccont.html
1996.05.22	s	Wamsted	"Doctoring The Documents?"
	s	Energy Daily	www.sepp.org/Archive/controv/ipcccont/Item04.htm
	s		Just passed **GCC** commentary along.
1996.06.03		Santer, et al	Reply to above, with many scientist coauthors
1996.06.12	s	**Seitz**	**WSJ** OpEd: "A Major Deception on Global Warming"
	s	**GMI, WSJ**	www.sepp.org/Archive/controv/ipcccont/Item05.htm
	s		Recall: **Seitz** got a lot of money from tobacco companies.
19.06.??	s	Santer et al	Letter to **WSJ**, trimmed
1996.06.20	s	**Singer**	Comment on Santer's 1996.06.03 reply
	s		www.sepp.org/Archive/controv/ipcccont/Item04.htm
1996.06.20	s	**Singer**	"A Heated Debate Over Global Warming"
	s	Wash.Times	www.sepp.org/Archive/controv/ipcccont/Item09.htm
1996.07.03	s	**Singer**	Letter to *Science*: Changes in the Climate Change Report
	s		www.sepp.org/Archive/controv/ipcccont/Item07.htm
1996.07.11	s	**Singer**	**WSJ** Letter: "Coverup in the Greenhouse"
	s	**WSJ**	www.sepp.org/Archive/controv/ipcccont/Item05.htm
1996.07.08	s	**Singer**	**WSJ** OpEd: Dangers from the Global Climate Treaty
	s	**WSJ Europe**	www.sepp.org/Archive/controv/ipcccont/Item10.htm
1996.08.01	s	**Singer**	Letter to *Nature* : "Climate Debate"
			www.sepp.org/Archive/controv/ipcccont/natltr.htm

3.2 Commentary

1998-1995: The formation of the IPCC stirred the creation of the **GCC**, and **GMI** published a book encouraging doubt. A that point, the warming signal was only starting to emerge from the noise, but the theory predicting further warming was quite sound.. **Singer** started generating petitions, conferences.

1996: **Seitz** (**GMI)** and **Singer** launched a continuing personal attack on Ben Santer, of **LLNL**, a story told in detail in **[ORE2010].** The attack was mostly carried out via OpEds and letters, as in **Seitz**' OpEd in the **WSJ**. Santer had done absolutely nothing wrong, was strongly supported by the legitimate scientific community, but that didn't' matter. He is still subject to personal attack to this day, but with the Web, many more people can be incited to participate:
Google: ben santer climate criminal yields many hits, for example, from the "echo chamber"
spectator.org/blog/2009/12/03/dear-ben-santer-resign
www.globalwarming.org/2009/12/03/dear-ben-santer-resign

The early days illustrate the use of tactics from the cigarette wars, and of course both **Seitz** and **Singer** had experience in helping tobacco companies. Front groups were created, with a few "experts" willing to generate supportive material. Doubt, uncertainty, and delay were emphasized. Much of this was directly from the 1954 Hill and Knowlton recommendations.

The **GET-BEN-SANTER-1996** campaign was an early example of using personal attacks to generate confusion, harass a specific scientist and waste his time, and intimidate people seeing this. If I were a graduate student thinking of working in climate science, I might think twice about it, seeing this go on. The end goal was damaging the credibility of climate science in general and the IPCC in particular, because they were producing increasingly awkward results.

In recent years, this has been amplified by the rise of the Internet and especially blogs, which can encourage large numbers of people to attack, writing letters, sometimes even with threats of personal violence. Defamation suits can be difficult, and few scientists want to spend their time doing pursuing them. It is sad, but true that attackees have not always treated it well, at first responding as though it were legitimate argument within science. The reader might consider how much they would enjoy having the **WSJ** OpEd section hammering them, backed by a large echo-chamber. Is there a simple recourse? Santer and a large group of scientists wrote a letter to **WSJ**, but of course a letter is nowhere near as visible as an OpEd, and the **WSJ** trimmed it anyway. But a week later, they gave **Singer** a letter slot as well. **Singer**'s website documents the flurry of articles and letters, of which I included a few in the Chronology.
www.sepp.org/Archive/controv/ipcccont/ipcccont.html

Tobacco companies are oddly involved in all this, and they've funded many of the same people and organizations. They essentially only stay in business by addicting children to nicotine, while their brains are developing rapidly, say ages 12-19. People who start later than that find it much easier to stop. Both **Seitz** and **Singer** have helped tobacco companies in various ways. So, two tobacco helpers were attacking Santer claiming major deception, with the support of the **WSJ** (and other media.) **Seitz** is deceased, but **Singer** is still active, and still widely quoted.
Seitz's **GMI** and Singer's **SEPP** are both 501(c)3 tax-exempt organizations…

These happened before the Internet and blogging came to be used to amplify attacks, and before think thanks and front organizations sprouted everywhere, and before the prospect of Kyoto incited a much-better-organized combination of anti-science campaigns. The reader might review this in the context of **Fig. 2.1.**

Q: Much of a society's investment in science, especially natural science, is an investment for its children and grandchildren. Climate science is an extreme case, given the lag time between action and effects. Do people feel good to see a scientist doing such work attacked by tobacco-helpers?

4 1998-2006 GCSCT to Wegman Report, "Get Mann…and the IPCC"

4.1 Chronology 1998-2004, GCSCT and Preparation

Date	X	Who	Action or Event
1998.04		**OISM1998**	Petition: **GMI** via **OISM; Seitz, Baliunas, Soon**
1998.04		**GCSCT1998**	API memo, very, very important strategy document
		See **A.4**.	www.euronet.nl/users/e_wesker/ew@shell/API-prop.html
		John Adams, Crandall, Rothbard, Salmon, Garrigan, Bouchey, Ebell, Cleary, Randol, Gehri, Kneiss, Milloy, Walker.	
1999		**Singer**	[SIN99], "Hot Talk, Cold Science" published
2001.05.02		**Senate, Lindzen**	Lindzen testifies for **EPW,** basically knocking **IPCC.**
			www-eaps.mit.edu/faculty/lindzen/Testimony/Senate2001.pdf
2001.06.11		**WSJ, Lindzen**	"Scientists' Report Doesn't Support the Kyoto Treaty"
			eaps.mit.edu/faculty/lindzen/OpEds/LindzenWSJ.pdf
2001.10.11	m	**CHC**	**Cooler Heads** sponsors **McKitrick** @ US Congress
	m	**Ebell, McKitrick**	www.uoguelph.ca/~rmckitri/research/co2briefing.pdf
2002.09.30	m	**CHC, Lindzen**	**Cooler Heads** sponsored **Lindzen** Congressional briefing
			cei.org/gencon/014%2C03199.cfm
2002.10.15	m	**McKitrick**	Named Senior Fellow @ **Fraser Institute**
2002.11	m	**Essex, McKitrick**	**[ESS2002]** *Taken by Storm* Published
2003.02.27	m	**CHC, Ebell**	**Cooler Heads** sponsors **Essex&McKitrick** @ US Senate
	m	**Essex, McKitrick**	cei.org/gencon/014,03358.cfm
2003.10.	m	**M&M**	MM03 in **E&E**
2003.11.??	m	**M&M, Inhofe**	**M&M** meet **Inhofe,** *likely via* ***Ebell***
2003.11.18	m	**GMI+CEI**	**Ebell** introduces **McIntyre** to **GMI [GMI2003]**
	m	**Kueter, Ebell, Jastrow, O'Keefe, Soon, Baliunas, Singer, Michaels, Hogan,** others	
2004.03.11	m	**M&M**	Both listed as **GMI** "experts" - current; may have been earlier
	m		web.archive.org/web/*/www.marshall.org/experts.php?id=98
	m		web.archive.org/web/*/www.marshall.org/experts.php?id=100
2004.12.01	m	**GMI, Lindzen**	"Climate Alarm - Where Does It Come From", by Lindzen
	m		www.marshall.org/article.php?id=264

4.2 Commentary

1998: Yet another petition was created, this time via **GMI** using the **OISM** *as a front*. This might well be called "meme-laundering," and it is still alive, but its funding remains unclear. Far more important was **GCSCT1998**, the Global Climate Science Communications Team effort organized by **API,** the American Petroleum Institute. **A.4** has a longer discussion, and the reader really should study the actual document. Following are a few annotated excerpts, omitting people less directly involved.

"**GCSCT** members who contributed to the development of the plan are …
Candace **Crandall**, Science and Environmental Policy Project (**SEPP**, **Singer**'s wife);…
Jeffrey **Salmon**, The Marshall Institute (**GMI**); ..
Lynn Bouchey and Myron **Ebell**, Frontiers of Freedom (**FoF**); (**Ebell** later CEI/CHC.)…
Randy Randol, **Exxon** Corp.;
Steve **Milloy**, The Advancement of Sound Science Coalition (**TASSC**);
and Joseph Walker, American Petroleum Institute (**API**)." *An experienced, all-star cast.*

"Potential fund allocators were identified as the American Legislative Exchange Council (**ALEC**), Committee For A Constructive Tomorrow (**CFACT**), Competitive Enterprise Institute **(CEI)**, Frontiers of Freedom **(FoF)** and The Marshall Institute. **(GMI)".**

"Unless "climate change" becomes a non-issue, meaning that the Kyoto proposal is defeated and there are no further initiatives to thwart the threat of climate change, there may be no moment when we can declare victory for our efforts." *If one thinks of this as a "conspiracy", it is as yet unfulfilled. Legally, that can matter.*

"Develop and implement a program to inject credible science and scientific accountability into the global climate debate, thereby raising questions about and undercutting the "prevailing scientific wisdom."

"Identify, recruit and train a team of five independent scientists to participate in media outreach. These will be individuals who do not have a long history of visibility and/or participation in the climate change debate. Rather, this team will consist of new faces who will add their voices to those recognized scientists who already are vocal." *This is very important for later events. The implementors needed to find more such people, develop them, introduce them to media contacts.*

That would require time, so meanwhile, **Singer** and **GMI** kept writing, and doing petitions, and the **WSJ** gave **Lindzen** an OpEd. The IPCC TAR was coming in 2001.

2001: **[GUT2009]***, pp.251-259 covers* the back-history of the **McKitrick/McIntyre** connection, and its context within **Fraser** efforts, "its biggest coup." DC covered this in more detail in **[DEE2010d]**. ***McKitrick*** *was a good recruit for* ***Ebell*** *-an economist who fought emissions controls, was a fresh voice, and was located elsewhere. Presumably, he was already working on* ***[ESS2002]*** *with* ***Essex.*** **Ebell**, by then labeled **CEI** or **CHC** (**Cooler Heads Coalition**) sponsored **McKitrick** talk @ Congress. Also that year, **O'Keefe** replaced **Salmon** at **GMI**, bringing it even closer to **API** and **ExxonMobi**l.

2002: **CHC** kept up Congressional briefings, **McKitrick** became Senior Fellow at **Fraser**.
[ESS2002] was published in 2002..

2003.10**: M&M** published their **E&E** article MM03, and **Ebell/GMI** brought them to Washington, DC.
2003.11.?? **M&M** met **Inhofe.**
*This likely was sometime the same week as the follo****wing****.* **Regalado** wrote later in **[REG2005]**:
"The two were invited to Washington as a vote neared on a bill to cap fossil-fuel emissions. They met with Sen. James Inhofe, who heads the environment committee and has called the threat of catastrophic global warming the "greatest hoax ever perpetrated on the American people." The Oklahoma Republican relied on doubts raised by a variety of skeptics in leading successful opposition to the bill in 2003. Mr. McKitrick says he was paid $1,000 by the Competitive Enterprise Institute, a free-market research and lobbying group, and had his travel costs picked up by another lobby group. Mr. McIntyre, who briefed lobbyists with the National Association of Manufacturers, says he has taken no payment." **Regalado** also described how **McIntyre** got involved.

2003.11.18: **M&M** visited **GMI/CEI**, talking about tree-rings **[GMI2003]. GMI** paid for **McInytre's** trip**. Ebell** offered introduced them, with a *surprisingly prescient* remark:
"I think this is one of the most interesting ones, because I think we are just at the beginning of what I think will be a major controversy."

This well-attended meeting included **Hogan**, an **Inhofe** counsel showing a strong interest in tree-ring statistics. He asked, p.26-27:
"*Question*: Aloysius Hogan. I have heard questioning of the statistical and methodological practices associated with a number of papers and I would like to get an opinion from you both about the level of statistical and methodological analysis among normal peers. Are the people who are doing the peer review really qualified in those areas as statisticians or they are just educated laymen?"

2004.03.11: **M&M** were listed as "experts" on the **GMI** website, may have started earlier.
As noted in ***Fig 2.5****, direct payment is only one of many reasons to do anti-science. Ideology and politics may work, and some are motivated by notoriety. While the science community naturally ignored papers in* ***E&E****, especially regarding old 1998/1999 papers, the time was ripe to try for more visibility.* ***M&M*** *had been identified, recruited, encouraged, introduced to other players, and were being prepared for bigger things.* **McKitrick** had a university affiliation***, was well-connected via Fraser****, and McIntyre did statistics.*

4.3 Chronology – 2005-2007, GMI/CEI/Inhofe ➔ Barton/Whitfield/Wegman

Date	X	Who	Action or Event
2005		**Singer**	**Leipzig Declaration #3 (2005, revised)**
2005.01.04	o	**Peiser**	Attack on Oreskes 2004 *Science* article **[MAS2008]**
2005.02	m	**M&M**	**MM2005** ARTICLE IN GRL
2005.02.10	m	**GMI+CEI**	**[GMI2005] GMI** Panel; **Inhofe** mentions "discredited Mann report"
	m		**Inhofe&Wheeler(EPW) , Ebell& Horner (CHC), O'Keefe (GMI)**
2005.02.14	m	**WSJ**	"Global Warring In Climate Debate, The 'Hockey Stick' leads to a Face-Off"
	m	**Regalado**	**[REG2005]** Front-page , left-column article on McIntyre & Hockey-Stick
2005.02.18	m	**WSJ Editorial**	"Hockey Stick on Ice: Politicizing the science of global warming"
2005.02.18	m	**Singer**	Copies two previous WSJ pieces in SEPP newsletter
	m		www.sepp.org/Archive/weekwas/2005/Feb.%2019.htm
2005.03.19	m	**Singer**	"Requiem for the Hockeystick"
	m		www.sepp.org/Archive/weekwas/2005/Mar.%2019.htm
			[GMI2005a]"The Hockey-Stick Debate: Lessons in Disclosure&Due
2005.05.11	m	**GMI+CEI**	Diligence"
	m	**M&M**	**Singer** is not named, but was he there?
2005.05.14	m	**Singer**	"HOCKEYSTICK: defended by Ammann and Wahl"
	m	"Too bad the news about A&W arrived just after a presentation by (M-M) on May 11."	
	m		www.sepp.org/Archive/weekwas/2005/May%2014.htm
2005.06.08		**Cooney**	NY Times exposes Cooney role in editing science documents
		www.nytimes.com/2005/06/08/politics/08climate.html?_r=1&hp&ex=1118289600&e	
2005.06.17	m	**McIntyre**	"Revisiting the 'stick'", item #3 in:
	m	Financial Post	www.sepp.org/Archive/weekwas/2005/July%209.htm
2005.06.23	m	**Barton**	Letters to Rajendra Pachauri (IPCC), Arden Bement (NSF),
	m	**Whitfield**	Mann, Bradley, Hughes; references 2005.02.14 WSJ
2005.06.24	m	**McGinley**	04:11PM-04:15PM creates letter PDFs, puts on Web
2005.06.24	m		05:47PM **Ebell** sends letters to **Perhach** (and others)
2005.07.09	m	**Singer**	McIntyre 2005.06.17 post, mentions Barton/Whitfield
	m	"... Energy Committee has launched a federal investigation of the "hockey stick" fiasco…"	
	m		www.sepp.org/Archive/weekwas/2005/July%209.htm
2005.09.01	m	**Coffey**	**Wegman** approached by **Coffey** [**SAI2007**], p.3.
2006.01		**GMI**	**Happer** succeeds **Jastrow** as **GMI** Chairman
2006.02.10	m	**WSJ, Regalado**	**[REG2006]** "Academy to Referee Climate-Change Fight"
2006.04.12	m	**WSJ, Lindzen**	OpEd: "Climate of Fear"
	m		www.opinionjournal.com/extra/?id=110008220
2006.06.14		**Morano**	**Morano** starts work for **Inhofe**'s EPW. *Timing coincidence?*
2006.07.02		**WSJ, Lindzen**	"Don't believe the Hype. ...- there's no "consensus"...."
			www.opinionjournal.com/extra/?id=110008597
2006.07.14	m	**Barton**	**[BAR2006]]** "Report Raises New Questions …"
2006.07.19	m	**Wegman, etc**	Wegman Report [**WEG2005**] for **Whitfield, Barton**
2006.07.27	m	**Barton, etc**	**[BAR2006a]** Followup, transcript of entire testimony
2006.07.29	m	**Singer**	"It's the end of the Hockey season."
	m		**http://**www.sepp.org/Archive/weekwas/2006/July%2029.htm
2006.09.11		**Singer**	**Stockholm2006** Conference … all agree: no worries
2007.07-	o	**Monckton, etc**	With **Ferguson, SPPI** Another Attack on Oreskes **[MAS2008]**
2007.09.07	m	**Said**	"Experiences With Congressional Testimony ..." **[SAI2007]**
DC in 2010	m		www.galaxy.gmu.edu/stats/colloquia/AbstractsFall2007/TalkSept7.pdf
2007.12.13		**Many**	**BALI2007** Petition, organized by **Harris**
			Essex, Lindzen, McKitrick, Singer, Wegman, etc

4.4 Commentary – Illusion, then Reality strikes back, thanks to DC [DEE2010d], [DEE2010e]

2005.01.04 **Peiser** started the year with an attack on Naomi Oreskes' 2004 essay in Science about the consensus among climate scientists, still referenced, even though long-refuted as incompetent. That attack was renewed in 2007**. [MAS2008]**

2005.02: **M&M** got a paper (MM05) into the GRL, which is a credible "Letters" journal, but does not necessarily do full peer review on every article. As DC notes in **[DEE2010d]**, this was well-promoted in Canada and the USA, via **National Post** and **WSJ**.

2005.02.10: In the **[GMI2005]** Roundtable, **Inhofe** was planning to give speeches attacking the "4 pillars", of which "Mann's discredited report" was one. He had met **M&M** in 2003.
Q: Who else was at that Roundtable?

2005.02.14: **Regalado**'s unusual article **[REG2005]** appeared front page lefthand column of the **WSJ**, a precious spot, not usually occupied by science stories, especially like this.
2005.02.18: **WSJ** Editorial appeared: "Hockey Stick on Ice: Politicizing the science of global warming"
*Q: Was this all coincidence? Had **GMI** and its allies ever proved to have good access to the **WSJ**? Was it more valuable to have an article in the GRL, or on the front page of the **WSJ**?*

2005.05.11: **[GMI2005a]**, **Kueter** and **Ebell** introduced **M&M**, whose talk was "The Hockey Stick Debate: Lessons in Disclosure and Due Diligence", *and the ideas of disclosure and due diligence might well be applied to the entire process that followed*. In the introduction there is no mention of **M&M**'s "expert" status at **GMI**, nor of **McKitrick**'s at **Fraser**. **McKitrick** emphasized how important the hockey stick graph was to the IPCC TAR, as though it was the one piece of evidence that mattered. Read this carefully. *It looks like a blueprint for the later attacks and to some extent the WR, as the social network issue is even suggested.* **McIntyre** talked about auditing. **McKitrick** says their article was peer-reviewed, but GRL is a Letters journal, which is slightly different, as it is a fast-turnaround journal sometimes just reviewed by editorial board members. **McIntyr**e said "I am not trying to say what did or didn't happen, but as the public, we are entitled to full, true, plain disclosure." He talked about a (positive) consensus about Enron, that collapsed. *This meeting is filled with memes to be seen late, and I agree that full disclosure is good, so hopefully, we will get some. But then:*

2005.06.08: The Bush Administration's Phil **Cooney**, who had been helped out by **Ebell** not long before, was exposed by Andy Revkin in a New York Times article, as having edited science reports to change their meanings. Serious negative publicity spread. He resigned a few days later, to go to **ExxonMobil**.

Q: Now I can only speculate to connect the dots.
*Did **Perhach** (in same group as **Cooney**) ask **Ebell** for help? Did someone else come up with an idea to combat the bad publicity? The {**GMI, CEI, Singer, Inhofe**} grouping had cooperated for years, and specifically on the **M&M** development. Why the sudden handoff to **Barton/Whitfield** ? Had **Inhofe** had been too outspoken about climate change to be credible?*
Q: Would email logs of 06/08/05-06/24/05 be interesting?

2005.06.23 **Barton/Whitfield** signed letters to 5 recipients, FAXed that day or the next.
2005.06.24 **(A.9.6) McGinley** created 5 PDF files *from 4:11PM to 4:15PM, and presumably placed them on the House website about that time* or a little later. But **Perhach** received a combined copy from **Ebell** around 5:47PM, about 90 minutes later, impressive work for Friday afternoon. The email's blindcopy (BCC) format strongly hints it was sent to other people as well. This was efficient electronic execution, especially compared to FAXing letters to people, with no guarantee they had yet seen them.
*Q: How did **Ebell** know? Why such a rush? Why were the letters in **Ebell's** hands, before every recipient was guaranteed to have seen them? Does this sound like a legitimate request, or a PR tactic?*

In hunting for this email, I bumped into some others in **A.9**. Several support **Ebell's** relationships with **Cooney** and **Perhach.** Some others tout **McKitrick** and **Essex** talk. **Ebell** used BCC: but others, like **Sills** and **Gorman** exposed long recipient lists. They included an interesting mix of Senate and House staffers, **ExxonMobil**, Peabody Energy, **Singer**, **Ferguson (FoF/CSPP)**, at least some lobbyists. Every new connection generated more, and I did not have time to chase them.
*Q: Would any email logs be of interest? There might be a tight social network there, and one might wonder if any of these people knew anything about the **Barton/Whitfield** effort. At least some of the email senders clearly liked to inform e others of relatively minor events. Is it plausible that **Ebell** considered the letter a real coup, and was eager to inform people about it?*

The **Barton/Whitfield** letter cited the 02/14/05 **Regalado WSJ** article has having raised concerns, basically by **M&M**. *This is curious in several ways. Did they or their staffers suddenly notice this, 4 months later? Or had Barton had it on his desk immediately? **Inhofe** had been on an anti-hockey-stick campaign no later than the 02/10/05 meeting. Would **Barton** not have known about that, given that he and **Inhofe** share certain interests, as well as chairing related House and Senate committees? How often do they talk?*

*Conjecture: I cannot know, but this seems like classic meme-laundering. i.e., in which the Americans on this used **WSJ** contacts to promote the **M&M** work they had cultivated since 2001, thus allowing **Barton/Whitfield** to point at **WSJ**.*

The scientific community pushed back, and for brevity I omit all the back-and-forth. Of course, for some (like **Singer**) being able to say "Federal Investigation" is worth a lot, even if it makes no sense.

2005.09.01 **Wegman** was approached by **Coffey [SAI2007].** He shows very clear views about climate change, and *seems a very curious choice if one is looking for an objective contact.*
*Q: Who asked **Coffey** to do this? Was **Wegman** his idea, or someone else's? Why was this not done in the usual ways science advisory panels are recruited? This was not mentioned in the **WR**.*

Wegman recruited **Scott** (long-time associate, nothing inherently wrong with that, but see **Scott**'s **A.7** entry)**,** recent PhD student and frequent co-author **Said,** and a fourth person, who later dropped out **[SAI2007].** They also recognized help from **Rigsby** and **Reeves,** more **Wegman** students**.** The **WR** criticized the (relatively tiny) paleoclimate community for being too tightly connected, and devoted many pages to social network analysis. Of course senior people in a field know each other, and of course they ask people they know, but statistics is a huge field, especially compared
*Q: Could **Wegman** find nobody more independent than 3 of his current or recent students? Does that provide a good "peer review"? How good are recent/current students at reviewing their patron's work?*
Q: Who was the fourth person? Would his/her comments be of interest?

2006.06 **Morano** was hired by **Inhofe.** The **WR [WEG2006**] appeared, and there were two hearings. **[BAR2006a]** offered numerous interesting comments, of which a few were:
"CHAIRMAN BARTON. We are about truth…"

Barton: "He **(Wegman)** picked some eminent statisticians in his field and they studied this thing." **Scott** is distinguished, at least, but **Said, Rigsby,** and **Reeves** hardly seem eminent.

Whitfield: "Dr. Wegman is Chairman of the National Academy of Sciences Committee on Applied and Theoretical Statistics, and at the committee's request he assembled this ad hoc committee of statisticians.."
*Q: How does **Coffey** fit into this? Did the committee choose W**egman**, or not?*

"I can tell you right now that his document has been peer reviewed also, and we will get into that later."
Q: Is this a strange definition of peer review?

Q: *Again, I am forced to speculate. **Barton/Whitfield** needed an "independent, objective" investigation , which would most typically be done by asking the **NAS**, for example. Did they want to do that?*

2006.07.29 **Singer** declared the game over, as in "It's the end of the Hockey season."

2010.01 Reality strikes back, thanks to DC

Canadian blogger "Deep Climate" published clear evidence that Bradley's classic book **[BRA199]** was not only plagiarized in the **WR**, but was sometimes changed in ways that cast doubt on credibility of tree-ring research, a subject in which the **WR** authors admittedly lacked expertise. See **[DEE2009, DEE2009a, DEE2010, DEE2010a]** or just look at **[DEE2009a, DEE2010a]** for side-by-side comparisons. Exactly which set of people copied and changed Bradley's text is unclear, but there 6 obvious people to ask. DC then unearthed a few more key facts. See **A.10** for detailed notes on the clear purposeful, deceptive plagiarism, inclusion of totally absurd references, and shoddy scholarship.

Briefly, from **[SAI2007]**, much of the **WP**'s input came via **Peter Spencer**, **Energy&Commerce** staffer.

*Q: Is there any chance this sourcing of material might have been less than expert and impartial? Is there some reason the **WP** didn't think about that?*
*Q: Is there any chance that **M&M** helped select this material?*
*Q: Is there any chance that **M&M** plagiarized Bradley, modified his text, and supplied it to the **WP**?*
*Q: Is there any chance **Spencer** and others know all about this? **Barton** was careful not to have talked to **Wegman**. Does any of this sound like the use of "cut-outs" for plausible deniability?*

Of course, anti-science people exploited all this strongly, and continue to reference the **WR** to this day. What happened afterwards does not matter much, as they had gotten something that sounded like an "independent, expert panel" to give its verdict. I will not attempt to capture the plethora of references, repeated in the giant "blogosphere echo chamber". Meanwhile, other attacks resumed.

2007.07- **Ferguson** (having been at FoF/CSPP) spun off into his own think tank SPPI, then worked with **Monckton** to attack Oreskes again, reusing discredited **Peiser** material, and **Monckton**'s endocrinologist Schulte, finally published in **E&E** by **Boehmer-Christiansen. [MAS2008].**

Then, someone gave a talk few noticed.

2007.09.07 **Said** gave a talk at **GMU** [**SAID2007**], analyzed in some detail in **A.11**. DC had already found the plagiarism and the **Spencer** connection, enough to cast serious doubts on any claim of "independence", but then found this talk, which certainly mentioned additional people, gave more insight into the **WP** worldview, and confirmed a strong **Spencer** role. His hints helped me find it as well.

*Q: Finally, there was something very odd going on with people thinking **Said** would be at Oklahoma State University, including some at OSU, and a new journal listing here as Professor there. What does all that mean?*

5 2008-2010 Crescendo to "Climategate" "Get CRU, Mann … and IPCC"

5.1 Chronology 2008-2010

Date	X	Who	Action or Event
2007.12.05	s	**Douglass,Christy**	Pearson**, Singer;** Online paper, Intl. Journal of Climatology
2007.12.14		**Singer, GMI**	US National Press Club talk. Claims "Nature rules the climate…"
2008.03.02		**Heartland**	**Heartland2008#1** Climate Conference, NYC; **NIPCC2008**, Singer, Heartland; references 2007.12 paper and theme
2008.04	s	**Singer, et al**	
2008.1	s	**Santer, et al**	Refuted 2007.12.05 paper, showing bad statistics
2009.02.25		**Inhofe**	Senate EPW testimony on climate by **Happer**, Princeton atomic physicist, a seemingly odd choice, but Chairman of **GMI**.
2009.03.02		**Senate EPW**	**Happer**'s Princeton colleague **Austin**, a biophysicist, comments
		Austin	See **Austin** and **Happer** in A.7.
2009.03.08		**Many**	**Heartland2009#2** Climate Conference, NYC, March 8-10
2009.03.30		**CATO**	**CATO2009** Advertisement in major newspapers
2009.04-		**Austin, et al**	APS (American Physical Society) Petition campaign **[MAS2009]** **Austin, Happer, Singer, Cohen, Lewis, Gould**
2009.06.02		**Heartland**	**Heartland2009#3** - Washington DC
2009.06		**Singer, Idso**	**NIPCC2009 report**, **Singer, C.Idso, Heartland**
2009.07.07		**Austin, et al**	Letter to Congress, **A.12.1**; **Austin** "APS group" + **Lindzen**
2009.07.24	c	**McIntyre**	Organized FOI blizzard attack on CRU **http://**climateaudit.org/2009/07/24/cru-refuses-data-once-again
2009.10.29		**Austin, et al**	Letter to Senate, **A.12.2, Austin "APS Group"**
2009.11-	c	**Many**	"Climategate"
	c		**http://**it-networks.org/?p=222
2009.11-	m	**Many**	Letter-writing to Penn State (PSU) about Mann
	m		**Commonwealth Foundation** and many others
2009.11.24	m		PSU initiates standard, formal investigation of Mann
2009.11.24	c	**WSJ**	"Global Warming With the Lid Off"
	c	online.wsj.com/article/SB10001424052748704888404574547730924988354.html	
2009.11.24	c	**WSJ**	"Climate Science and Candor"
	c	online.wsj.com/article/SB10001424052748704779704574553652849094482.html	
2009.11.27	c	**WSJ**	"Rigging a Climate 'Consensus'
	c	online.wsj.com/article/SB10001424052748703499404574559630382048494.html	
2009.11.18		Many	**EUR2009**, via **Roger Helmer; McKitrick, Singer, Peiser, Delingpole** **http://**www.rogerhelmer.com/conferenceprogramme.asp
2009.11.30		**WSJ, Lindzen**	"The Climate Science Isn't Settled" online.wsj.com/article/SB10001424052748703939404574567423917025400.html
2009.12	c	**Peiser, Lawson**	**GWPF** formed in UK, apparently to exploit "Climategate"
2009.12.04	c	**Austin, et al**	Email to some set of APS members on "Climategate" **A.12.3** Same set as 2009.10.29, minus **Singer**
2009.12.20	s	**Douglass, Christy**	Another (of many) attacks on Ben Santer, tied to "Climategate" **http://**www.americanthinker.com/2009/12/a_climatology_conspiracy.html
2009.02.03		Santer	Open Letter: Response to "A Climatology Conspiracy?" (No URL available)
2009.02.03			PSU publishes results, essentially clears Mann **http://**www.research.psu.edu/orp/Findings_Mann_Inquiry.pdf
2009.02.03	m	**Inhofe**	Demands investigation of Mann from NSF

5.2 Commentary

With COP-15 UN Climate Change Conference coming in 2009, the anti-science publicity machine swung into heightened action, using many of the past techniques, and continuing attacks on scientists like Santer and Mann. **Heartland** became increasingly active, *perhaps to leverage its state/local lobbying networks into a new market, and take market share of funding from some of the other think tanks.*

2008.03.02 **Heartland2008#1** conference in NYC was held, with much hoopla.

2008.04 **NIPCC2008** was a large report authored by **Singer** for **Heartland.**

2009.02.25 **Happer**, an atomic scientist, testified for **Inhofe** about climate science. That might seem an odd choice, but **Happer** was (and still is) Chairman of **GMI**, with whom Inhofe had long been close.

2009.03.02 **Happer**'s Princeton colleague **Austin** talks to **Inhofe**'s EPW, also an odd choice, as Austin is a biophysicist, and seemingly a relatively recent recruit. **Morano** publicized it.

2009.03.08 **Heartland2009#2** conference in NYC was held.

2009.03.10 **Manhattan Declaration** (continuing petition) was initiated at NYC, organized by **Heartland** and **Harris' ICSC.**

2009.03.30 **CATO2009**, full-page advertisement, appeared in major newspapers.

2009.04 **Austin, Happer, Singer**, with **Cohen, Gould, and Lewis**, started a petition to get the APS (American Physical Society) to change its (fairly standard) position on climate change, covered in great detail through 11/11/09 in **[MAS2009].** This gained signatures from about .5% of APS members, as PhD physicists generally better, but yielded a bonanza of publicity, letters to Congress, etc.

2009.07.24 **McIntyre** starts FOI blizzard aimed at CRU, asking people to pick 5 countries and ask for the data, claiming academic usage.

http://climateaudit.org/2009/07/24/cru-refuses-data-once-again [a file that may well disappear]
http://rabett.blogspot.com/2010/02/amoeba-gets-underfoot.html

2009.11 "Climategate" was created, well-timed before Copenhagen. There is no way to cover all the publicity, attacks, etc, without doubling the size of this document, and it is too early for the dust to settle. Suffice it to say that the same old voices and media seen here already have been quite active.
http://it-networks.org/?p=222

2009.11 Many of the usual people, plus many with no connection with Penn State whatsoever, deluged Penn State with demands for investigation of Michael Mann. This especially included the **Commonwealth Foundation** (a Scaife "subsidiary), whose funding sources match others mentioned here.

2009.11.24 Penn State initiated a standard, formal investigation, and the usual people immediately declared that Penn State would "whitewash" Mann.

2009.12 The **GWPF** was formed in UK, by **Peiser**, **Lawson** and others, *apparently to capitalize on "Climategate." Its funding is murk, as is often the case, but from the Board composition, one can guess..*

2009.12.04 The "Austin" group (including **GMI** Chairman **Happer**) sent an email to various APS members, essentially using"Climategate" for their efforts, **A.12.3.**
Q: Might that language be considered defamatory? Do Members of the US National Academy of Sciences normally write this way?

2009.12.20 **Douglass** and **Christy** attacked **Santer**, using "Climategate" as *a cover for not admitting serious statistical errors in their 2007 paper with* ***Singer*****,** who had a long history of attacks on Santer. **http://**www.americanthinker.com/2009/12/a_climatology_conspiracy.html

2010.02.03 Santer replied with Open Letter (not yet published, as far as I know), "Response to "A Climatology Conspiracy?".

2010.02.03 Penn State published results of its standard investigation, and it is well worth reading their evaluation of an obviously-organized attack.

2010.02.03 **Inhofe** demanded that NSF investigate Mann, a quick reaction. **http://**epw.senate.gov/public/index.cfm?FuseAction=PressRoom.PressReleases&ContentRecord_id=95A85493-802A-23AD-4090-BA6C1B31B031

In general, one finds a ceaseless pattern of attacks, not aimed at improving science, but at harassing scientists whose science is inconvenient, even to the point of death threats.

In part, the anti-science machine shown in **Fig 2.1** relies on hordes or Internet-aware people, of whom some may well have intense views and poor judgement. It is easily predictable that the constant barrage of material in some mainstream media, and the flood of unanswered defamatory material in echo-chamber blogs incites people to do things like this.

6 Conclusions

The current "Climategate" brouhaha is just one more in a long sequence of such things, usually organized by the same people, some of whom have clearly made comfortable livings doing this. Misleading the public about science is apparently not a crime, and it has certainly been powerfully effective.
I am not a lawyer, but the law about misleading Congress seems pretty clear, and serious.

I offer a few final thoughts and wishes.

6.1 501(c)3 Tax-free organizations.

*How, exactly, do entities like **GMI** and **SEPP**(=**Singer**) get to be tax-free organizations?*

I really wish Congress/parliament would look into potential mis-use of this status, and think about drawing the line differently. If someone wants to get funded to mislead the public, so be it, but why are they tax-free? If someone wants to be funded primarily to do lobbying and PR, why is that tax-free?

6.2 FOI/FOIA

Openess in government is a good thing, as many things get hidden that maybe shouldn't.
Even with its flaws and errors, modern science is the best process humans have ever had for actually finding objective truth, even if it takes a while, because:
a) Results are published, scrutinized multiple times. Peer-review is just the first hurdle.
b) Whether results are *replicated* or not is less important than whether multiple different experiments and analyses end up being reasonably consistent.
c) Scientists' reputations depend strongly, not on being perfect, but on doing useful work that generally holds up. Bad mistakes don't help them, nor does work that gets refuted easily, and sooner or later outright fraud tends to be found. Reputation in science depends on publishing, whereas in some other areas (as happened with **Cooney**), reputation depended on information being kept secret.

*Most other areas of human endeavor are *not* structured like science. Scientists frequently collaborate, and some put extra effort into making data and computer source code widely available, at least to legitimate researchers, and I say this from relevant experience.*

*With rarities like the old Bell labs gone, almost nobody but government funds basic research in many natural sciences. It is absurd that scientists paid partially by our tax money have their time wasted by harassers self-proclaimed as auditors, when the mechanisms of science already do a pretty good job. Only people who want *less science* can like that, and of course, some indeed do want less science, starting with the tobacco companies and some fossil fuel companies.*
These attacks act like "Distributed Denial of Service" (DDoS) in computer networking.
Why exactly, does a Canadian mining/petroleum person get to stop work by CRU (in UK) or Mann (in US)?
http://climateaudit.org/2009/07/24/cru-refuses-data-once-again
http://www.timesonline.co.uk/tol/news/environment/article7017905.ece

I really wish the US Congress (and UK Parliament) would think more about where to draw the line on FOIA/FOI, because right now, it is quite possible for a few people to essentially stop selected scientists from getting much done. I can think of better things to do with our tax money.

6.3 Defamation

*I am all for free speech, but I suggest that this paper has mentioned a great deal of disinformation that sure surely seems like organized defamation, funded by some wealthy foundations, **ExxonMobil** and others, using think tanks, the Web, the Wall Street Journal (and other newspapers). Few natural scientists are wealthy enough to sue people, and the whole giant "echo chamber" spreads "guilty of fraud" far and wide, in some cases leading even to death threats or threats of violence.*

Natural science research is often an investment, not for today, but for people's grandchildren. Is it a good idea to let scientists fend for themselves? The UK Royal Society helped invent modern science, and the US founding fathers included at least two who were, among their other accomplishments, fine scientists (Franklin and Jefferson). What would they think of the USA & UK turning their backs on science?

The Internet has amplified this, with people willing to say absolutely anything without the slightest concern for defamation. It would really be good to have funds and lawyers available to help scientists fend off organized defamation, ideally with serious penalties, as Voltaire said "pour encourgrer les autres." That would probably be less expensive than what goes on now, and perhaps thoughtful private individuals might contribute. Some NGOs help with this, but are not really funded for it. In some cases, it might be appropriate for those wishing to escape serious penalties to publish disclaimers with every web posting, proclaiming they have the right to say what they want about topics of which they know nothing, but should not be believed, lest libel suits take effect.

6.4 Climate Conspiracy – Yes!

I certainly think there is a "conspiracy" around climate science, but it's not climate science, but that anti-science forces of which at least some are well-known, backed by a horde of helpers. It is certainly international, and many people are named here whose email logs and funding requests would be quite instructive, and I hope some of them get to testify under oath. This particular sequence is mostly USA+UK+CA, and for lack of time, I haven't added in the other countries, but there is no doubt of a coordinated global effort. See Jo ***Nova****, for example, and wonder who funds that.*

It is non-trivial to track all this, because organizations come and go, and people move around, and funding iis purposefully murky. Disinformation memes are generated, disseminated, and repeated endlessly, no matter how silly. But some of the same people appear again and again.

However, I think the evidence is pretty strong that the ***WR*** *and its manufacture were designed to mislead the US Congress, and the public. If an investigation shows that to be true, that may well be a set of felonies at the heart of distributed, nested conspiracies.*

We need Climate Conspiracy Archives to match the Tobacco Archives, and if evidence warrants it, some people need to be prosecuted to the extent of the law. So far, they have gotten a free ride, with little effective counter, and it is time for that to end.

Acknowledgements

"Deep Climate" DC's diligent sleuthing and posts on Canadian climate anti-science were critical. He found some crucial facts and gave some good hints on where to look further. This document would not have happened without his work. I've been accumulating information over the last few years, trying to understand the patterns and connections in data I already had. DC's work suddenly helped make much better sense of some, and helped me look in the right places for more.

I thank Naomi Oreskes for her talks at Stanford, which first got me really interested in **GMI**, and to her and Erik Conway for letting me read drafts of their excellent forthcoming book. I thank James Hansen. Stephen Schneider. Chris Field and other IPCC authors for enlightening talks. Thanks to Stanford for offering repeated public seminars from world-class people.

I thank the legion of bloggers who have tried to defend climate science and climate scientists, or explain climate, or helped me learn, or helped me otherwise:

Following are a few, including both their proprietors and contributors:
A Few Things Ill-Considered (US), BigCityLib Strikes Back(CA), Brave New Climate (AU), Capital Climate (US), Climate Change (US), Climate Progress (US), ClimateSight (CA), Deep Climate (CA), Deltoid (AU), DeSmogBlog (CA), DotEarth (US), Greenfyre's (US), Grist(US), Harry Clarke (AU), Hot Topic-New Zealand (NZ), jfleck at inkstain (US), Jim Prall (CA), John Quiggin (AU), Jules' Klimaatblog (BE), maribo (CA), Millard Fillmore's Bathtub (US), More Grumbine Science (US), Not spaghetti| but everything else(US), Only In It For the Gold(US), Open Mind, Rabett Run(US), RealClimate(US), scruffydan.com (CA), Skeptical Science (AU), Stoat(UK), The Green Grok (US), Things Break (US), YouTube – Climate Crock of the Week (US). I'm sure I've missed some, as there are more. I of course follow some anti-science ones as well, but I'm not going to name those. Country affiliations are given, but of course, in the Internet Age, that sometimes means little.

Much of this document points at masses of data painstakingly collected over years by many people. The Internet enables much anti-science amplification, but this may be a case of "Live by the Net, die by the Net," because people leave more tracks than they may realize. This kind of investigation simply would not be possible without the Internet (and in my case, a big fast laptop driving 3 large displays). I especially recognize Sourcewatch, ExxonSecrets, OpenSecrets.org, Foundation Center -990 Finder, Media Matters Action Network, NewsMeat. I also thank those who have provided useful tools like Google Scholar, Pipl, the Internet Archive/Wayback, WebCite, and many others.

I also thank the even bigger legions of scientists working diligently to understand the world better for the benefit of peoples' grandchildren. I am lucky to have experienced decades of interactions with fine scientists, including climate scientists. I am always amazed that IPCC authors manage to get real science through that process.

I thank my wife for putting up with me the last two months. I've been busy

Any errors here are mine, and I will happily continue to fix substantive factual errors in possible later Versions. Some of this needed to get written quickly. I don't think this story is over yet.

Bibliography ([XXXyyyy]) and Useful Websites ([letters] At End of Section)

Most references are given in-line, usually via URLs, for on-line convenience, especially if only mentioned once. Following are a few relevant others, some extracted from a blog post a while ago **[MAS2008a].** Some sources are *about* anti-science, plus a few science books (**+**), and some *examples of anti-science **(*)***.

+[ARC2007] David Archer, *Global Warming – Understanding the Forecast*, 2007.
This is a basic climate textbook, used for undergraduate non-science majors, with lecture videos available: geoflop.uchicago.edu/forecast/docs/lectures.html

+[ARC2009] David Archer, *The Long Thaw – How Humans Are Changing the Next 100,000 Years of Earth's Climate*, 2009.
This is a good starter for a more general audience. A physicist could easily start with **[ARC2007]**.

***[BAR2006]** Joe Barton, "Report Raises New Questions About Climate Change Assessments," July 14, 2006, House Energy and Commerce Committee.
http://republicans.energycommerce.house.gov/108/home/07142006_Wegman_fact_sheet.pdf

***[BAR2006a]** Joe Barton , et al Complete Transcript, 07/19/06, 07/27/06 of Wegman Report, etc
http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109_house_hearings&docid=f:31362.wais

[BEG2007] Sharon Begley, "The Truth About Denial," Newsweek, Aug 13, 2007**.**
www.newsweek.com/id/32482

[BRA199] Raymond S. Bradley**,** *Paleoclimatology – Reconstructing Climates of the Quaternary, Second Edition,* 1999. *This is a famous, widely-used, heavily-cited book.*

[BRA2007] Allan M. Brandt, *The Cigarette Century- The Rise, Fall, and Deadly Persistence of the Product that Defined America*, 2007.
It is very difficult to understand the history of anti-science organizations, people, and tactics in the USA without understanding the cigarette wars that trained people and **think tank**s in the methods.

[DEE2009] Deep Climate, "Contrarian scholarship: Revisiting the Wegman Report," 12/17/09.
deepclimate.org/2009/12/17/wegman-report-revisited/

[DEE2009a] Deep Climate, "Wegman (and Rapp) on tree rings: A divergence problem, part 1", 12/22/09.
deepclimate.org/2009/12/22/wegman-and-rapp-on-tree-rings-a-divergence-problem-part-1

[DEE2009b] Deep Climate, "A Comparison of (WR) 2.1 p.13-4 and (Bradley) section 10.2", 12/22/09.
deepclimate.files.wordpress.com/2009/12/wegman-bradley-tree-rings.pdf

[DEE2010] Deep Climate, "Wegman (and Rapp) on tree rings: A divergence problem part 2", 12/06/10.
deepclimate.org/2010/01/06/wegman-and-rapp-on-proxies-a-divergence-problem-part-2

[DEE2010a] Deep Climate, "A comparison of (WR) section 2.1, p14-5 and (Bradley) 5.1,5.2,6.8" 12/06/10.
deepclimate.files.wordpress.com/2010/01/wegman-bradley-ice-cores-corals1.pdf

[DEE2010b] Deep Climate, "Donald Rapp: More divergence problems", 12/07/10.
deepclimate.org/2010/01/07/donald-rapp-more-divergence-problems
This analyzes examples of the use of "grey literature, and does make one wonder about Springer-Praxis.

[DEE2010c] Deep Climate, "Willie Soon and Sallie Baliunas… (as quoted by Donald Rapp)", 12/07/10.
deepclimate.files.wordpress.com/2010/01/rapp-soon-proxies-quotes.pdf
This has a useful analysis of the use of "grey literature."

[DEE2010d] Deep Climate, "Steve McIntyre and Ross McKitrick, part 1: In the beginning", 02/04/10.

http://deepclimate.org/2010/02/04/steve-mcintyre-and-ross-mckitrick-part-1-in-the-beginning

[DEE2010e] Deep Climate, "Steve McIntyre and Ross McKitrick, part 2: The full story behind the Barton-Whitfield investigation and the Wegman Panel", 02/08/10.
http://deepclimate.org/2010/02/08/steve-mcintyre-and-ross-mckitrick-part-2-barton-wegman/
He has a few more details that I have not incorporated, although we both found most of the same material.

***[ESS2002]** Christopher Essex, Ross McKitrick, *Taken by Storm – The troubled science, policy, and politics of global warming*. November 2002. Neither author is a climate scientist, but the book offers plenty of confusion, and many references to science literature later strongly refuted, like **Christy/Spenc**er on satellites showing no warming, Joe D'Aleo, Zbiginew Jaworowski, **S.Idso**, John Daly, Greening Earth Society, etc. Chapter 5 is about the hockey-stick, i.e., they started attacking that no later than 2002.
This book is a good example of text written using mathematics terminology to confuse the unwary.

***[GMI2003]** George Marshall Institute, Washington Roundtable, **M&M**, "The IPCC, the "Hockey Stick" Curve, and the Illusion of Experience.", 11/18/03. *Key document*, **Ebell** introduced **M&M** to **GMI**, interesting people attend, including **Inhofe** counsel **Hogan** asking about tree-ring statistics.
http://www.marshall.org/pdf/materials/188.pdf

***[GMI2005]** George Marshall Institute, Marshall News, describing 02/10/05 Roundtable, "U.S. Climate Policy After Kyoto's Ratification.",p.1, p.10.11. See **Inhofe**.

***[GMI2005a]** George Marshall Institute, Washington Roundtable, **M&M**, "The Hockey Stick Debate: Lessons in Disclosure and Due Diligence.", 05/11/05. *Key document: in essence lays out a campaign.*
http://www.marshall.org/pdf/materials/316.pdf
http://web.archive.org/web/20060213060236/**http://**www.marshall.org/pdf/materials/316.pdf

[GOO2006] Jeff Goodell, *Big Coal*, 2006
Many blame Big Oil for funding all disinformation; look closer at Big Coal.

[GUT2009] Donald Gutstein, *Not a Conspiracy Theory – How Business Propaganda Hijacks Democracy*, 2009. This gives a Canadian viewpoint. See Chapter 7 on **Fraser Institute** and the **National Post.**

[HOG2009] James Hoggan, with Richard Littlemore, *Climate Cover-Up – The crusade to deny global warming*, Sept 2009.
This is an extremely useful new book for anyone starting study of climate anti-science.

[JAC2008] Peter J. Jacques, Riley Dunlap, Mark Freeman, "The Organization of Denial: Conservative think tanks and environmental skepticism," Environmental Politics, 17, Issue 3 June 2008 , pages 349 – 385.
www.informaworld.com/smpp/content~db=all~content=a793291693
ucf.academia.edu/documents/0008/3636/Organization_of_Denial_Jacques_Dunlap_Freeman_EP__June_2008.pdf
This shows the strong correlation between Conservative Think tanks (CTTs) and anti-environmental books.

***[JAS1990]** Robert **Jastrow**, William **Nierenberg**, Frederick **Seitz**, *Scientific Perspectives on the GREENHOUSE PROBLEM*, 1990, Copyright George C. Marshall Institute.

[LAH2008] Myanna Lahsen, "Experiences of modernity in the greenhouse: A cultural analysis of a physicist "trio" supporting the backlash against global warming",
sciencepolicy.colorado.edu/admin/publication_files/resource-2590-2008.05.pdf

[MAS2008] John R. Mashey, "ANOTHER ATTACK ON GLOBAL WARMING'S SCIENTIFIC CONSENSUS", March 23, 2008
www.desmogblog.com/skeptics-journal-publishes-plagiarized-paper

+[MAS2008a] John R. Mashey, "How to Learn About Science," August 17, 2008.

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

[MAS2009] John R. Mashey, "Science Bypass - Anti-science Petition to APS from folks with SEPP, George C. Marshall Institute, Heartland, CATO", November 11, 2009.
www.desmogblog.com/another-silly-climate-petition-exposed

[McC2003] Aaron M. McCright, Riley E. Dunlap, "Defeating Kyoto: The Conservative Movement's Impact on U.S. Climate Change Policy, SOCIAL PROBLEMS, Vol. 50, No. 3, pages 348–373. ISSN: 0037-7791; online ISSN: 1533-8533 © 2003.
stephenschneider.stanford.edu/Publications/PDF_Papers/McCrightDunlap2003.pdf

[MIC2008] David Michaels, *Doubt is Their Product – How Industry's Assault Threatens Your Health*, 2008.

***[MIC2008a]** Patrick J. **Michaels**, Ed *Shattered Consensus - The true state of global warming*, 2008, Copyright, **George C. Marshall Institute**.

***[MIC2009]** Patrick J. **Michaels**, *Climate of Extremes – Global warming science they don't want you to know,* 2009, **CATO** Institute.

[MOO2005] Chris Mooney, *The Republican War on Science*, 2005
Science finally got noticed by politics in WW II, and from then through the George H. W. Bush administration, science was mostly nonpartisan, but politicization grew, sadly.

[ORE2007] Naomi Oreskes, "*American Denial of Global Warming"* video:
www.uctv.tv/search-details.aspx?showID=13459 , especially from 26:00 onward.

[ORE2008] Naomi Oreskes, Erik Conway**,** "Challenging Knowledge: How Climate Science Became a Victim of the Cold War"**,** Chapter 3 in **[PRO2008].**

[ORE2008a] Naomi Oreskes, Erik M. Conway, and Matthew Shindell*, From Chicken Little to Dr. Pangloss: William **Nierenberg**, Global Warming, and the Social Deconstruction of Scientific Knowledge, 02/08:*
www.lse.ac.uk/collections/CPNSS/projects/ContingencyDissentInScience/DP/DPOreskesetalChickenLittleOnlinev2.pdf

[ORE2008b] Naomi Oreskes, *You Can Argue with the Facts*, talk at Stanford 08/09/2008.
smartenergyshow.com/node/67
smartenergyshow.com/node/67#comment-524 is my synopsis**.**
See especially the Greening Earth Society (~Western Fuels Association, i.e., coal) video embedded at 30:00, product of a classic market-research effort, and sent free to many libraries.

[ORE2010] Naomi Oreskes, Erik Conway, *Merchants of Doubt – How a Handful of Scientists Obscured the Truth on Issues from Tobacco Smoke to Global Warming,* May 25, 2010.
This examines the long history of **GMI** and **Singer** in great detail.

[PRO2008] Robert N. Proctor, Londa Schiebinger, Eds. *Agnotology – The Making and Unmaking of Ignorance*, 2008. See especially Chapter 3: Naomi Oreskes, Eric Conway.

[REG2005] Anthony Regalado, "Global Warring In Climate Debate, The 'Hockey Stick' leads to a Face-Off", WSJ, 02/14/05. See **Regalado** for discussion of this *unusual* article.

sharpgary.org/RegaladoWSJ.html OR www.sepp.org/Archive/weekwas/2005/Feb.%2019.htm

[REG2006] Anthony Regalado, "Academy to Referee Climate-Change Fight," WSJ, 02/10/06.
online.wsj.com/public/article_print/SB113953482702870250-xmUhF6botP4CjKAVMBO61Bv59_c_20070210.html

[SAI2007] Yasmin H. Said, *Experiences with Congressional Testimony: Statistics and The Hockey Stick, George Mason University, Data and Statistical Sciences Colloquium Series, Sept 7, 2007.*
www.galaxy.gmu.edu/stats/colloquia/AbstractsFall2007/TalkSept7.pdf
Infinite thanks to DC for finding this.

[SCH2009] Stephen H. Schneider, *Science as a Contact Sport – Inside the Battle to Save Earth's Climate*, 2009. Dr. Schneider has worked to do climate science research, communicate to the public, and counter anti-science. See especially Chapters 5 and 7, in which will be mentioned some familiar names and tactics in climate anti-science. Some of this is about science, but more about communication and science policy.

***[SIN1999]** S. Fred **Singer**, *Hot Talk Cold Science – Global warming's unfinished debate*, Revised 2nd Ed, 1999. I originally read this in 2001,at which time the disparity between ground stations and (some) satellite results was still a legitimate scientific argument.

***[SIN2007]**S. Fred **Singer**, Dennis T. **Avery**, *Unstoppable Global Warming every 1,500 years*, 2007.
It is a good exercise to read **[SIN1999]** first, and see evolution or lack thereof, especially in the light of major revisions to satellite and balloon results that happened between. In the earlier book, global warming was not happening, in the later one, it is inevitable, but natural. Policy advice is constant: no CO2 restrictions.

***[SOL2008]** Lawrence **Solomon**, *The Deniers*, 2008.
This collected a series of articles in the **National Post** (Canada).
www.desmogblog.com/the-deniers-the-world-renowned-scientists-who-dont-actually-deny-global-warming
Wegman is included, inclusion is by Solomon's declaration, and some have vigorously objected, as Roger Revelle certainly would have, were he alive.

***[SPE2008]** Roy W. **Spencer**, *Climate Confusion – How GLOBAL WARMING hysteria leads to bad science, pandering politicians, and misguided policies that hurt the poor*, 2008.

+[TUK1977] John Tukey, *Exploratory Data Analysis*, 1977.
Tukey was one of the world's greatest statisticians, affiliated with Princeton and Bell Labs, a place that used statistics extensively. He was a strong proponent of balancing well-known confirmatory statistics with exploratory data analysis, on which much science really depends. See **A.10.4** for relevance here.

[UCS2007] Union of Concerned Scientists, *Smoke, Mirrors & Hot Air – How ExxonMobil Uses Big Tobacco's Tactics to Manufacture Uncertainty on Climate Science*, 2007.
www.ucsusa.org/assets/documents/global_warming/exxon_report.pdf

[WAG2006] Wendy Wagner, Rena Steinzor, eds *Rescuing Science from Politics* – Regulation and the Distortion of Scientific Research, 2006. (F).

[WEG2005]** Edward J. Wegman, David W. Scott**,** Yasmin H. Said**, *AD HOC COMMITTEE REPORT ON THE 'HOCKEY STICK' GLOBAL CLIMATE RECONSTRUCTION, 07/14/2006.
republicans.energycommerce.house.gov/108/home/07142006_Wegman_Report.pdf
This is often just called the Wegman Report **(WR+).**

+[YAL2009] Yale University + George Mason University, *GLOBAL WARMING's SIX AMERICAS 2009: And Audience Segmentation Analysis*, 2009.
envirocenter.research.yale.edu/uploads/climatechange-6americas62309.pdf
This useful document helps calibrate the various worldviews.

Useful Websites

[ExxonSecrets]
http://www.exxonsecrets.org

[**MMAN]** Media Matters Action Network, *Transparency*
mediamattersaction.org/transparency
This site usefully organizes masses of data from foundation "990" forms, so that the reader can navigate among people, funders and recipients of funds from foundations. Having spent some time rummaging in 990 forms, I can attest that this site required vast amounts of hard work.

[NEWSMEAT]
www.newsmeat.com
This is a good search engine for political donations, despite the somewhat non-intuitive name.

[SourceWatch] SourceWatch
http://www.sourcewatch.org
This is a complex, but useful Wiki for finding starting points and references on organizations.

[Wayback] Internet Archive Wayback Machine
http://www.archive.org/index.php
This is invaluable for backtracking histories for some webpages, if archived.

[990 Finder] Foundation Center
http://foundationcenter.org/findfunders/990finder

7 A.1+ Acronyms

Abbreviations are used here for brevity and consistency with common usage.

I have visited (at least) **ANL, FermiLab**, **LLNL**, **ORNL**, and **SLAC**, and have met with researchers from **LANL, LBNL, PNNL, Sandia, ARL**, **NRL** (and some of the warfare centers). These labs employ many excellent scientists, of whom only a tiny fraction are signers. These are listed because many of the signers may well have met each other via these organizations, and the alphabet soup is thick for those unused to it.

DOE – Department of Energy
www.energy.gov/
DOE has many laboratories, usually managed by various combinations of universities or private companies under contract to DOE. Some labs grew from WW II + Cold War nuclear weapons, but emphasis has shifted progressively over the last 3-4 decades to other areas.

ANL – Argonne National Laboratory, Argonne, IL (near Chicago)
www.anl.gov/, Managed by U Chicago.
Nuclear work focused on reactors, not involved much with weapons.

FermiLab – FermiLab, Batavia, IL (near Chicago)
www.fnal.gov/
Managed by Fermi Research Alliance {U of Chicago ,University Research Association (URA)}.
High energy, particle physics.

Hanford – Hanford Reservation, WA, DOE
www.fnal.gov/, Was (is?) managed by Westinghouse Hanford Corp.
Major nuclear production (& now cleanup) site, produced plutonium for most US weapons.
PNNL is located nearby, was split off decades ago.

JLab – Thomas Jefferson National Accelerator Facility (or Jefferson Lab), Newport News, VA
www.lanl.gov/
Managed by JSA {Southeastern Universities Research Association, Computer Sciences Corp}.
Studies nuclear physics, particle physics, Continuous Beam Electron Facility (CEBAF).

LANL – Los Alamos National Laboratory, Los Alamos, New Mexico
www.lanl.gov/
Managed by LANS {Bechtel, U of CA, Babcock and Wilcox, Washington Group International}.
Historically, the primary nuclear weapons lab in USA, but does research in other areas, including plasmas, fusion, and lately, more people in environment, climate modeling and other areas.

LBNL – Lawrence Berkeley Laboratory, Berkeley, CA.
www.lbl.gov/, Managed by U of CA.
Research in physics, life sciences, and energy efficiency research, recently led by Steven Chu.

LLNL – Lawrence Livermore National Lab, Livermore, CA
https://www.llnl.gov/
Managed by LLNS {Bechtel, U of CA, Babcock and Wilcox, Washington Division of URS Corporation, and Battelle}..
Historically, was major (after **LANL**) nuclear weapons lab in USA, but does research in many other areas, especially fusion (the National Ignition Facility (NIF) and other areas.

ORNL – Oak Ridge National Laboratory, Oak Ridge, TN
www.ornl.gov/, Managed by U of TN and Battelle.
Part of Manhattan Project during WW II, then shifted more to reactors, other science areas.

PNNL – Pacific Northwest National Laboratory, Richland, WA
www.pnl.gov/ Note PNL in domain name, not PNNL. Managed by Battelle.
Historically, involved with the Hanford nuclear weapons site nearby.

Sandia – Sandia National Laboratories (SNL), Albuquerque, NM and Livermore, CA
www.sandia.gov/, Lately, Sandia is a Lockheed-Martin company
Major sites are in Livermore, CA, adjacent to **LLNL**, and at Kirtland AFB in Albuquerque, about 100 miles from **LANL**. Most Laboratories often use the abbreviations in websites and elsewhere, but "Sandia" seems more commonly called "Sandia", not SNL. Here, "Sandia" implies New Mexico.

SLAC – SLAC Linear Accelerator Laboratory, Menlo Park, CA
www.slac.stanford.edu/, Managed by Stanford U.

DoD Organizations

AFWL – US Air Force Weapons Laboratory, now Air Force Research Laboratory, Dayton, OH
www.wpafb.af.mil/afrl This is located at Wright-Patterson Air Force Base (WPAFB), for which I have special attachment. My father was stationed there after WW II, so Dayton is my birthplace.

Kirtland AFB – Albuquerque, NM
www.kirtland.af.mil This is home of the Air Force Nuclear Weapons Center, and Sandia is there.

ARL – US Army Research Laboratory – Adelphi, MD (and others, including NC)
www.arl.army.mil/www/default.htm
They still show pictures of SGI computers I helped design, and (like many of the other organizations mentioned here), we had interesting discussions about their computing needs over the years.
www.arl.army.mil/www/default.cfm?Action=20&Page=271

NRL – US Naval Research Laboratory – Washington, DC
www.**nrl**.navy.mil
NRL does substantial basic research, with more of the warfare-oriented work in 4 other centers:
www.**nrl**.navy.mil/content.php?P=MISSION

Miscellaneous

EPRI+ – Electric Power Research Institute
Starr founded this nonprofit research organization for the electric power industry. (I live a few miles from its Palo Alto site, and have known people who worked there, and I think they do good work. I see them at Stanford GCEP symposia.) Historically, it may once have been focused primarily on nuclear power, and it appears to pursue "Clean coal", a topic about which people have mixed feelings, but it does substantial research on renewable energy issues as well. Several signers happen to be connected via **EPRI**.
my.epri.com/portal/server.pt
en.wikipedia.org/wiki/Electric_Power_Research_Institute
www.sourcewatch.org/index.php?title=Electric_Power_Research_Institute

IPCC+ – Intergovernmental Panel on Climate Change
www.**IPCC**.ch/
IPCC TAR is Third Assessment Report (2001). **IPCC AR4** is the Fourth Assessement Report (2007), available online. Serious readers may find it help to buy paper as well, as they are huge reports. Scientists who contribute to **IPCC** reports are not employed by the UN, but generally have to get funding elsewhere for most of these activities. The **IPCC** reports are "political" only in the sense that after the scientific reports are created, the Summary for Policymakers (SPM) is hammered out line-by-line, having to be unanimously approved by all governments. *This frustrating process inherently tends to weaken conclusions, not exaggerate them.* ***IPCC*** *authors have discussed this in some detail, somewhat amazed that anything gets out*. See **[SCH2009]**, Chapter 5, which certainly matches descriptions in discussions I've had with other **IPCC** authors.
+

JASON
This group originally started around 1958 as a group of physicists that advised the US Government, manage via MITRE, as a part-time unit of the Institute for Defense Analysis (IDA). **JASON** is mentioned here only because members of the group would generally know each other well, might know people at MITRE or IDA (several other signers), as well as having a broad web of connections.. **Happer**, **Lewis**, **LeLevier**, and **Katz** are/were **JASON**s, as was **Nierenberg**, and Freeman Dyson. Most **JASON**s are not signers, *but any APS member who might have signed surely would have been asked.*
www.bookrags.com/wiki/jason_Defense_Advisory_Group
www.isgp.eu/organisations/JASON_Group.htm
www.fas.org/irp/agency/dod/jason/

NAS, **PNAS** – (US) National Academy of Sciences, Proceedings of the **NAS**.
www.nationalacademies.org This of course is a very prestigious organization, to which very few are elected. Membership does not confer automatic credibility outside one's own disciplines, of course.

8 A.2+ Funders (O1-O2)

This lists some major funders of organizations involved with anti-science. **Tables A.6.1 (a-c)** map these Funders (and others) X Organizations of **A.3.** *Gutstein [GUT2009], Chapters 3-5 discusses these, especially useful for the Canada/USA viewpoint that highlights the **Fraser** Institute.*

O1– Corporations

ExxonMobil+ (O1)
www.sourcewatch.org/index.php?title=Earhart_Foundation
mediamattersaction.org/transparency/organization/Exxon_Mobil_Corporation

Corporate funding is large, although much goes through lobbyists. Listing no other companies here is not meant to imply no others support anti-science, *but **ExxonMobil**'s footprint seems much larger.*

O2 – Foundations

The 990finder gives the details of foundation funding, but following summarizes that data well:
mediamattersaction.org/transparency/?137

Allegheny+ Foundation
www.scaife.com/alleghen.html Richard Mellon Scaife is Chairman, see **SSF** below.

Carthage+ Foundation
www.scaife.com/carthage.html Richard Mellon Scaife is Chairman, see **SSF** below.

Earhart+ Foundation (O2) (White Star Oil)
www.sourcewatch.org/index.php?title=Earhart_Foundation
en.wikipedia.org/wiki/Earhart_Foundation
foundationcenter.org/findfunders/990finder/: "Earhart Foundation" MI
In 2001, **GMI** had an "H.B. Earhart Fellow Logan Wright" on staff.

John M. Olin+ Foundation (Olin chemical & munitions) ceased operation in 2005.
www.sourcewatch.org/index.php?title=John_M._Olin_Foundation
en.wikipedia.org/wiki/John_M._Olin_Foundation
foundationcenter.org/findfunders/990finder "Olin Foundation" NY (just the John M. Olin ones)

Lynde and Harry Bradley+ Foundation (O2) (Allen-Bradley
www.sourcewatch.org/index.php?title=Lynde_and_Harry_Bradley_Foundation
en.wikipedia.org/wiki/Bradley_Foundation
foundationcenter.org/findfunders/990finder "Bradley Foundation" WI

SSF+ -Sarah Scaife+ Foundation
Richard Mellon Scaife: Gulf Oil => Chevron is Chairman of **SSF**, **Allegheny**, and **Carthage**.
www.scaife.com
www.sourcewatch.org/index.php?title=Scaife_Foundations
en.wikipedia.org/wiki/Gulf_Oil
foundationcenter.org/findfunders/990finder "Scaife Foundation" PA
mediamattersaction.org/transparency/organization/Sarah_Scaife_Foundation/grants says SSF has funded numerous relevant entities with opinions on climate change and other science issues.
See also **Comwlth** (**Commonwealth Foundation**), which despite the name, acts much more like a visible advocacy organization, in essence a Pennsylvania-local Scaife subsidiary, its Chairman a member of the SSF Board.

The assets of **SSF** and **Carthage** are interesting, via their 990 Forms, although of course, Richard Mellon Scaife has a much larger personal fortune, whose investment profile is not public.

dynamodata.fdncenter.org/990pf_pdf_archive/251/251113452/251113452_200812_990PF.pdf
Scaife 2008, pp.27-28 lists $160M of common stock, in $Millions:
$18.0 ExxonMobil
$ 2.2 Chevron (unsurprising, since Gulf Oil ➔ Chevron, eventually)
$ 1.5 Diamond Offshore Drilling
$ 1.1 Schlumberger
$23.8 Obvious Oil-related

$13.4 Philip Morris International (spunoff from Altria)
$ 4.6 Altria $18.0M Total ... and smart mix, since cigarettes expanding internationally...
$18.0 Obvious tobacco total

Power generation & utilities
$3.1 FPL (Florida Power & Light (claims green, I haven't checked)
$2.3 Wisconsin Energy
$1.7 Entergy, www.nola.com/business/index.ssf/2009/05/entergy_ceo_says_coal_is_the_a.html
$1.1 National Rural Utilities (Bonds)
$1.0 South Carolina Electric and Gas (Bonds)

dynamodata.fdncenter.org/990pf_pdf_archive/256/256067979/256067979_200712_990PF.pdf
Carthage, 2008: p.32 has investments.
$11.3 Altria ... biggest single investment, 1/3 of total $31M.
$ 4.6 ExxonMobil

Koch+ Foundations (Charles G. Koch, David H. Koch, Charles R. Lambe Foundations)
www.sourcewatch.org/index.php?title=Koch_Family_Foundations
mediamattersaction.org/transparency/organization/Charles_G_Koch_Charitable_Foundation
mediamattersaction.org/transparency/organization/David_H_Koch_Charitable_Foundation
mediamattersaction.org/transparency/organization/Claude_R_Lambe_Charitable_Foundation

Koch (Oil & Gas) is the "nation's largest privately held energy company".
(Father) Fred G. Koch was a founding member of the John Birch Society in 1958.
(Son) David and was co-founder of **CATO** Institute and provides substantial funding.
(Son) Charles is also active. Together they have funded many organizations, and the reader is advised to use that MediaMatters site, because the 990 forms are huge.
Fred C. & Mary R. Koch Foundation (a few relevant, not many)
GMI had (as of 11/09) a "Koch Foundation Associate, Rachel Schwartz" on staff.

Scaife Family Foundation
www.scaifefamily.org This is located in Florida, not run by Richard Mellon Scaife, and in recent years has not seemed to be funding the same things.

9 A.3+ Advocacy Organizations and Groups (O3-O7), Media (O8-O9), others

This is a small subset of f inter-related entities, with many directors, advisors or funders in common over the years, picking those most relevant to this paper. Many more exist. Many are CTTs – Conservative Think Tanks who have long played strong roles in trying to avoid any environmental regulations. See **[McC2003]** and **[JAC2008]**, and Philip Mirowsski "The Rise of the Dedicated Natural Science Think Tank" www.ssrc.org/workspace/images/crm/new_publication_3/%7Beee91c8f-ac35-de11-afac-001cc477ec70%7D.pdf

Some Mainstream media are included if they have a long track record of anti-science editorials or unwarranted attacks on science.

A few organizations are mentioned that are clearly not dedicated to anti-science, but seem to have pockets within them that are, or interesting associations.

Tables A.6.1 (a-c) map Funders X Organizations.
Tables A.6.2 (a-c) map some individuals from **A.7** onto organizations in similar format.

Funding: comes from: mediamattersaction.org/transparency, when available, or from: foundationcenter.org/findfunders/990finder when not summarized there, or other sources. Funding is murky, as many never discuss their funding, but foundation donations are recorded. Any organization marked $ has an entry there.

Many of these organizations overlap, sometimes share personnel, sometimes cooperate, and sometimes compete for attention and funding. All this seems redundant, but actually, this keeps each organization competing, and a plethora of impressively-named small organizations makes for longer lists of supporters, and also helps confuse the public about the real activities and funding paths.

Some organizations have changed focus, perhaps in response to funding reductions or to new opportunities. Tobacco funding appears to have lessened, and climate anti-science has been a growing market segment for anti-science advocacy.

www.sourcewatch.org/index.php?title=Scientific_Advisory_Board **[SourceWatch]** notes: "**Scientific Advisory Boards** are generally known as **SAB's** in the tobacco documents. It is often very difficult to determine when these were genuine boards of independent scientists who met to co-operatively to answer some question, and when they were just the names of lobbyists, ideologues, and/or science-for-sale consultants who served no other purpose that that of decorating the letterhead of the organization. There were also some SABs which had genuinely independent, but often gullible, scientists, who didn't recognize how easily they were being manipulated by the lawyers and administrators. And of course, some SABs had corrupt and genuine scientists deliberately blended in to make them more convincing to the public." This applies to other SABs, and many advocacy groups have them.

*Regardless of how they started, some think tanks act as combined PR and lobbying companies, advantaged by non-profit status. Although some emphasize free-market economics and individual freedom (fine things in principle!), their sometimes-murky funding seems to come mostly from companies that privatize profits and socialize costs, or from wealthy family foundations heavily invested in such companies. Hence, think tanks are especially attractive to tobacco companies, which offer no societal benefit, but are certainly profitable. Fossil fuel companies produce important products, but perhaps do not always bear the resulting costs, so they often appear as well. Many companies may provide modest support to such think tanks for the general (and not unreasonable) idea of minimizing regulation, but in some ways, that just provides cover for the larger funders, better than some of the older industry front groups. Compare **TIRC** and **TASSC**: the first tobacco-only, the second more general, but both initiated for tobacco companies. Independent think tanks are even better in that regard, as they can offer much broader appeal and the "safety of crowds."*

ACCF+ – American Council for Capital Formation
www.accf.org/directors.php
www.sourcewatch.org/index.php?title=American_Council_for_Capital_Formation
Thorning is Senior VP and Chief Economist.
She has done at least one **GMI** Roundtable, and shows up in interesting email, **A.9.3**.

ACSH+ – American Council on Science and Health (O6b)$
www.acsh.org/
www.acsh.org/about/pageID.7/default.asp
www.acsh.org/about/pageID.89/default.asp
www.sourcewatch.org/index.php?title=ACSH
www.exxonsecrets.org/html/orgfactsheet.php?id=8
Enstrom and **Nichols** are Trustees, **Singer** is a Scientific Advisor.
Worrying about proper use of science, and avoiding over-interpretation of results seems generally good. People with more health expertise than I may assess the extent to which ACSH does that, as it actually has some reasonable-seeming advisors, and it has taken a clear position against tobacco. It is mainly mentioned here for the connections above, that explain why an epidemiologist might be signing a climate petition. It has received funding from ExxonMobil.

AEI+ – American Enterprise Institute (O6a) $
www.aei.org/
www.sourcewatch.org/index.php?title=AEI

ALEC+ – American Legislative Exchange Council (O6a)$
www.alec.org
www.sourcewatch.org/index.php?title=ALEC

AnnapCtr+ - Annapolis Center for Science-Based Public Policy (O6b) $
www.exxonsecrets.org/html/orgfactsheet.php?id=13
Key people include **Baliunas, Lindzen, Sen. Inhofe**.
www.cspinet.org/integrity/nonprofits/the_annapolis_center_for_science_based_public_policy.html
www.historycommons.org/entity.jsp?entity=annapolis_center_for_science-based_public_policy_1
[SAI2007] p.23, says "Invitations – Good ones"
"We were invited by the Annapolis Center for Science-Based Public Policy to participate in a workshop on peer review."

APCO+ Worldwide (O3)
"Global communication consultancy", i.e., PR firm
www.sourcewatch.org/index.php?title=APCO_WorldwideAPCO
is well-known for helping set up **TASSC** for Philip Morris in 1993, a good example of tobacco companies "hiding in the crowd." This used **Milloy**, with help from **Singer** and others. See also **Harris**.

API+ – American Petroleum Institute (O5a)
www.api.org
Energy is an important business, and I have no problem with trade organizations straightforwardly promoting their views, but some organizations do so by laundering money and anti-science memes through networks of think tanks, fronts, and astroturf organizations.
*Each reader might consider where the line should be drawn between legitimate advocacy and illegitimate. Although I have visited many petroleum companies to help them use computers for finding more oil and managing reservoirs better, I personally think **API** has often crossed rather far over that line.*

Atlas+ – Atlas Economic Research Foundation (O6a) $
atlasnetwork.org/
www.sourcewatch.org/index.php?title=Atlas_Economic_Research_Foundation

This is a think tank's think tank, whose mission is "is to litter the world with free-market think-tanks."
Its 990s Forms are not very specific, so the destinations of money are not clear.

ATR+ – Americans for Tax Reform (O6a) $

www.sourcewatch.org/index.php?title=Americans_for_Tax_Reform
www.atr.org/index.php?content=about
"ATR was founded in 1985 by Grover Norquist at the request of President Reagan."
www.sourcewatch.org/index.php?title=Grover_Norquist
"ATR is a nonprofit, 501(c)(4) lobbying organization."
ATR's Peter **Cleary** was involved in the **GCSCT1998** project.

CATO+ Institute – (O6a) $

www.**CATO**.org/
www.sourcewatch.org/index.php?title=**CATO**
www.exxonsecrets.org/html/orgfactsheet.php?id=21
Singer is/was on Editorial Advisory Board, **Milloy** is an Adjunct Scholar, **Christy** was a conference speaker. **Cato** was co-founded by Charles Koch (see **Koch Foundations**).
See **CATO2009** in **A.4**.

CEI+ – Competitive Enterprise Institute (O6a) $

cei.org/
www.sourcewatch.org/index.php?title=CEI
www.exxonsecrets.org/html/orgfactsheet.php
See especially **Ebell** and **Horner**, and maybe **Lewis** and **Smith**.

CFACT+ - Committee for a Constructive Tomorrow (O6b) $

www.CFACT.org/
www.sourcewatch.org/index.php?title=Committee_for_a_Constructive_Tomorrow
www.exxonsecrets.org/html/orgfactsheet.php?id=25
Hayden is on the Advisory Board with **Baliunas** and **Michaels**, (and Bruce **Ames**, also on **GMI** BoD and on **SEPP** Board of Scientific Advisors) and when living, **Seitz**.
CFACT-Europe is described by a Dutch blogger:
jules-klimaat.blogspot.com/2009/08/its-fact-**CFACT**.html
CFACT sponsors **Morano**'s Climate Depot.
CFACT's **Rothbard** participated in the **GCSCT1998** effort to defeat US ratification of Kyoto.

Comnwlt+ - Commonwealth Foundation for Public Policy Alternatives (O6b) $

www.commonwealthfoundation.org
www.sourcewatch.org/index.php?title=Commonwealth_Foundation_for_Public_Policy_Alternatives
www.publiceye.org/magazine/v13n2-3/PE_V13_N2-3.pdf
fixpa.wikia.com/wiki/Commonwealth_Foundation
foundationcenter.org/findfunders/990finder: "Commonwealth Foundation" PA
*This effectively started as a Pennsylvania-local subsidiary of the **Sarah Scaife Foundation***, which has long supported it. Chairman Michael W. Gleba, is an **SSF** board member.
Lately, it has taken up "climategate" along with the other advocacy groups, and of course, located in Pennsylvania, it takes special efforts to attack Mann and Penn State.
www.commonwealthfoundation.org/research/detail/mann-made-global-warming
http://www.foxnews.com/scitech/2010/02/05/penn-state-probe-michael-mann-total-whitewash/
http://www.mcall.com/news/local/all-a1_5emails.7169672feb05,0,2943331.story

CHC+ - Cooler Heads Coalition (O5b or O5c)

www.globalwarming.org
www.globalwarming.org/about
www.sourcewatch.org/index.php?title=Cooler_Heads_Coalition

This front organization has many advocacy organization members, so is shown horizontally in Table **A2.1**. Funding is murky, but some can be inferred from that of member organizations, thus indirectly from family foundations and **ExxonMobil.**
The **CHC** has been generally been administered by CEI people, although sometimes given affiliations are inconsistent. See especially **Ebell, Horner, Lewis**,

10/11/01:**Cooler Heads** sponsored **McKitrick** at US Congress.
www.uoguelph.ca/~rmckitri/research/co2briefing.pdf

02/27/03: **Cooler Heads** sponsored **McKitrick** at Senate Everett Dirksen Building., email mebell AT cei.org
cei.org/gencon/014,03358.cfm Feb

11/18/03 **CEI/Cooler Heads (Ebell)** cosponsored visit from **McKitrick**, and introduces **McIntyre** to **GMI**.
www.marshall.org/pdf/materials/188.pdf
Ebell: "As you probably all know, we have done a lot of these. I think this is one of the most interesting ones, because I think we are just at the beginning of what I think will be a major controversy."

McIntyre: "My name is Steve McIntyre. I'd like to express my appreciation to Marshall Institute and CEI for paying my expenses down here."

***Inhofe** lawyer **Hogan** showed surprising interest in tree-ring statistics:*
"*Question*: Aloysius Hogan. I have heard questioning of the statistical and methodological practices associated with a number of papers and I would like to get an opinion from you both about the level of statistical and methodological analysis among normal peers. Are the people who are doing the peer review really qualified in those areas as statisticians or they are just educated laymen?
McKitrick: Now are you talking about the journal peer review or the IPCC review process?
Question: I am talking about the peer review for four or five different cases"

02/10/05 **GMI+CEI** panel: **Inhofe (EPW), Ebell, O'Keefe, Horner, Andrew Wheeler (EPW).**
www.marshall.org/pdf/materials/300.pdf
"The Senator will present four short speeches questioning the four pillars on which the alarmist view of climate change is based: the 2001 National Academy of Sciences report, the IPCC's reliance on Michael Mann's discredited "hockey stick" model, the Arctic climate impact assessment report, and the flawed data produced by climate models."

05/11/2005 **GMI+CEI/Cooler Heads** Cosponsor **McKitrick** and **McIntyre** again.
www.marshall.org/pdf/materials/316.pdf

CSCDGC+ – Center for the Study of Carbon Dioxide and Global Change (O6b)$

www.co2science.org
www.sourcewatch.org/index.php?title=Center_for_the_Study_of_Carbon_Dioxide_and_Global_Change
www.exxonsecrets.org/html/orgfactsheet.php?id=24
www.sourcewatch.org/index.php?title=Center_for_the_Study_of_Carbon_Dioxide_and_Global_Change
The **Idso** family founded this in 1998.

E&E+ - Energy and Environment ("journal")

www.multi-science.co.uk/ee.htm
Geographer **Boehmer-Christiansen** and social anthropologist **Peiser** edit this "journal", not listed in the Web of Science, and generally considered "grey literature."
Opinion: be very, very careful before paying much attention to anything published here. It is a good place to publish climate anti-science that would not pass peer review elsewhere. See **[MAS2008]** for example.
Q: it would be interesting to hear how review works, and how this is funded.

EIC+ – Environmental Issues Council 1993-2003(?)
www.sourcewatch.org/index.php?title=Environmental_Issues_Council
GCSCT1998 team member **Garrigan** gave this as her affiliation.

I couldn't find her via Wayback, but did find:
web.archive.org/web/19990910071145/eico.org/advisory.html 1999
web.archive.org/web/20010422194322/eico.org/advsci.html 1999
EIC Science Advisory Committee includes **Ames**, Jo Kwong Echard (**Atlas**), Hugh Ellsaesser (**LLNL**), Edward Krug (**CFACT**), Jane Orient (**OISM**, Doctors for Disaster Preparedness, JPANDS).

ELC+ – Environmental Literacy Council (O5c) $

www.enviroliteracy.org/
www.sourcewatch.org/index.php?title=Environmental_Literacy_Council
"The Environmental Literacy Council is an independent, non-profit made up of scientists, economists, and educators striving to connect teachers and students to science-based information on environmental issues. Our website offers over 1000 pages of background information and resources on environmental topics, along with curricular materials, and textbook reviews."

On the surface, **ELC** looks like a plausible organization that might be what it says it is:
Many of their web pages seem fairly reasonable, as do their links to other web pages, but climate discussions usually manage to sooth concerns about climate and emphasize uncertainty in the science..
ELC's top-level piece on "Air, Climate, and Weather" says:
"However, since the Industrial Revolution, human activity has had an effect on the global climate system, increasing the amount of greenhouse gases in the atmosphere, trapping heat and contributing to an overall global warming." *I could find no hint that that this might be considered a serious problem.*
That webpage links to others:
www.enviroliteracy.org/article.php/1146.html, "Climate Change" concludes:
"Despite the evidence that scientists have uncovered related to changes in climate, there continues to be uncertainty around the chief causes of climate change and their potential impacts. These uncertainties stem from the science itself, as well as from human behavior, especially as it relates to the amount of natural climatic variability and greenhouse gas emissions. Many of these factors will continue to depend on human behavior, influenced by effects on health and the quality of life, technological advances, and policy changes."
www.enviroliteracy.org/article.php/678.html "Climate Forcing & Feedback" concludes:
"Determining how small forcings, such as an increase in greenhouse gases, will affect the overall climate involves a variety of complex computations in which scientists attempt to weigh all the potential positive and negative feedbacks. While climate modeling can help us understand many of the physical feedbacks and processes involved in our climate system, uncertainty will continue to exist since it often represents a more simplified version than what can be modeled accurately."
www.enviroliteracy.org/article.php/1340.html "Climate Modeling" concludes
"However, while climate models can help scientists understand and predict the climate, they also come with limits. The global climate system is complex, and the role of both positive and negative feedbacks is not completely understood leading to uncertainty as to how the Earth system will actually respond to a warming climate. Yet, as our understanding increases, models can be refined, allowing climate predictions to become more accurate and dependable. Being able to reasonably predict future climate is a first step in helping to determine what can be done to help protect our environment."
www.enviroliteracy.org/article.php/428.html "Greenhouse Gases" says:
"The full range of sources of greenhouses gases - both natural and anthropogenic - is not yet fully understood and continues to be the subject of both research and debate."
Surely, but human GHG production is calibrated well enough to know there is a problem.
www.enviroliteracy.org/article.php/1334.html "Possible Consequences of Global Warming" includes:
"Most scientists agree that the Earth is in fact experiencing increasing temperatures, and many believe that humans are enhancing this overall warming trend."
"Yet, it is as to whether or not the increase in the usefulness of marginal lands will counterbalance an increase in drought and desertification."
The reader might assess the wording here. I'm not sure many climate scientists think that humans are "enhancing a warming trend." Enhancing? That sounds acceptable.
www.enviroliteracy.org/article.php/367.html "The Greenhouse Effect"
" Additional gases, stemming from human activities, create what is called an enhanced greenhouse effect. However, the Earth's climate is complex and is also influenced by other factors, making it difficult to link

specific climate characteristics to a single cause. Therefore, while many scientists support efforts to slow ? or even reverse ? the build up of greenhouse gases, others believe that the climate changes that we are experiencing are part of a natural, long-term cycle. "
This is certainly true. One could also say that many medical researchers think that cigarette smoking is bad for you, but others think it is not so bad. Does this description "enhance" students' literacy?

*Opinion: **ELC** is a cleverly-created "front", where some of the board members do not even know that, designed to offer environmental materials that pull with them subtle soothing messages on climate, and messages of uncertainty on climate science. Perhaps 95% of the material may be reasonable, but it's the other 5% that get this funded.* It was spunoff from **GMI** around 1998, and is funded like **GMI**, and the early board had 3 key **GMI** people, **Sproull, Moore, and Seitz**.
web.archive.org/web/19981203142527/www.marshall.org/icee.html

*Q: it might be good to get testimony from the **ELC** board members, to understand how this happens.*

FoF+ - Frontiers of Freedom (O6b) $
www.ff.org.
www.sourcewatch.org/index.php?title=Frontiers_of_Freedom founded in 1996
This is funded by the usual foundations, got substantial tobacco money, and later started getting money from **ExxonMobil.** The **GCSCT1998** effort included **FoF**'s **Myron Ebell.**
Other "alumni" include **Singer, Horner,** and especially **Ferguson.**

FoF/CSPP+ (O6b) (Funded by ExxonMobil as part of FoF) $
www.sourcewatch.org/index.php?title=Center_for_Science_and_Public_Policy March 2003-2007
FoF started getting **ExxonMobil** money in 2002, used to launch **CSPP** in 2003, with **Robert Ferguson** as Executive Director. **Ferguson** departed in mid-2007 to launch his own think tank, **SPPI**. The **FoF/CSPP** "*2" entries in **A.2**'s table try to capture the messy evolution of organizations that come and go, with people moving around. **FoF** was represented at **GCSCT1998** by **Bouchey** and **Ebell**. **CSPP** likely came into existence, as an outgrowth of that, as **ExxonMobil** money became available. **FoF** is a **CHC** member, and **FoF/CSPP** (**Ferguson)** was also a member during at least some part of 2003-2007.

Fraser+ Institute (O6a) $
www.fraserinstitute.org
www.sourcewatch.org/index.php?title=Fraser_Institute
This 35+yeard-old think tank is headquartered in Vancouver, but has offices across Canada. The USA has a horde of think tanks that generate climate anti-science. Canada seems to have one especially big one, and like many of the USA think tanks, it has worked with tobacco companies **[GUT2009].**
McKitrick has been a Senior Fellow since October 15, 2002, and *Taken by Storm* was published November 2002. DC and other Canadian bloggers would know **Fraser** much better than I do.

FoS+ -Friends of Science (O6b) Calgary, Alberta, Canada
www.friendsofscience.org
www.sourcewatch.org/index.php?title=Friends_of_Science
web.archive.org/web/20021208180844/www.friendsofscience.org/who_we_are.htm
deepclimate.org/2009/12/02/in-the-beginning-friends-of-science-talisman-energy-and-the-de-freitas-brothers
McKitrick was listed as Professional Contact starting 2002 and participated in 2005 video.

GCC+ - Global Climate Coalition (O5b) 1989-2002.
en.wikipedia.org/wiki/Global_Climate_Coalition
www.sourcewatch.org/index.php?title=Global_Climate_Coalition
O'Keefe was Chairman, when working at **API**, moved to **GMI** in 2001.
Originally, this was funded by companies, but later switched to trade associations, making funding murkier.
www.nytimes.com/2009/04/24/science/earth/24deny.html?_r=1
GCC tended to publish views differing from those of its own advisory scientists.

GMI+– George C Marshall Institute (O6b, but very influential for its size) 501(c)3 $
www.marshall.org "Science for Better Public Policy"
www.sourcewatch.org/index.php?title=George_C._Marshall_Institute
www.exxonsecrets.org/html/orgfactsheet.php?id=36
web.archive.org/web/*/www.marshall.org/board.php
web.archive.org/web/*/www.marshall.org
www.marshall.org/category.php?id=6 says:
"The George C. Marshall Institute was established in 1984 as a nonprofit 501(c)(3) corporation to conduct technical assessments of scientific issues with an impact on public policy.
In every area of public policy, from national defense, to the environment, to the economy, decisions are shaped by developments in and arguments about science and technology. The need for accurate and impartial technical assessments has never been greater. However, even purely scientific appraisals are often politicized and misused by interest groups.
The Marshall Institute seeks to counter this trend by providing policymakers with rigorous, clearly written and unbiased technical analyses on a range of public policy issues. Through briefings to the press, publication programs, speaking tours and public forums, the Institute seeks to preserve the integrity of science and promote scientific literacy.
We publish reports, host roundtables, workshops and collaborate with institutions that share our interest in basing public policy on scientific facts."

*I'd agree that "even purely scientific appraisals are often politicized and misused by interest groups", but **GMI** itself has been a leader in doing exactly that for 25 years, funded by wealthy, very-conservative family foundations, some whose fortunes were built on oil (**Scaife, Koch, Earhart**) or chemicals (**Olin**) very tightly connected to the more conservative side of the Republican party.* In 1999, **GMI** started receiving funding from **ExxonMobil**, *probably connected with the same campaign laid out in **GCSCT1998.** The reader might study the following and as many links as they need to decide if that is a fair opinion.*

Jeffrey Salmon, a PhD in World Politics, was a senior speechwriter for Caspar Weinberger and Dick Cheney, then was **GMI**'s Executive Director 1991-2001. He worked with the **API** to craft disinformation strategy, **GCSCT1998**. He has written "science" pieces for **GMI** and **Heartland.** In 2001, he was appointed to job at the **DOE**. In mid-2008, he "burrowed in" to a civil service job in **DOE**.

GMI's President/CEO 2001-present is **William O'Keefe**. He was Exec. VP and COO of the **API** (i.e., oil lobby), with **API** at least 1974-2001, was on the Board of **CEI**, and is Chairman Emeritus of the Global Climate Coalition. (**GCC**). He was a lobbyist for **ExxonMobil**. He writes many "science" pieces.
www.marshall.org/experts.php?id=83
www.sourcewatch.org/index.php?title=American_Petroleum_Institute

GMI's President is Jeff **Kueter**, whose academic background was primarily in Political Science, and was Research Director at the National Coalition for Advanced Manufacturing (NACFAM). He writes "science" pieces as well.
www.marshall.org/experts.php?id=43

***GMI**'s priorities seem to be promoting missile defense, slowing environmental legislation and supporting oil interests, via numerous close ties to the Reagan and Bush administrations, lobbyists and conservative politicians. For anyone associated with **GMI** to claim that it is unbiased and apolitical while mainstream science is political, is …interesting. If it ever does any real science regarding climate, that is not apparent. It certainly has political scientists and oil lobbyists writing "science pieces." Since 1990 it has been an effective focus for climate anti-science in Washington, DC.*

GMI was founded by 3 world-class, well-known, influential scientists, **Robert Jastrow, William Nierenberg** and **Frederick Seitz,** originally to help the Reagan Administration sell "Star Wars". In 1990, they published *Scientific Perspectives on the Greenhouse Problem* **[JAS1990],** including a paper by **Spencer** and **Christy.** The tobacco connection in Table **A.2.1** is via **Seitz.**

[LAH2008], **[ORE2007]**, and **[ORE2008]** offer many useful insights, as **GMI** is in some sense the "original core" of ideology-based climate anti-science, due to the scientific prestige and influence of its founders. **[ORE2008a]** offers interesting early history (circa 1983) relevant to **GMI**. The Daily Princetonian's article by Raymond Brusca is an interesting summary, with many comments from **Happer**.
www.dailyprincetonian.com/2009/01/12/22506

[ORE2010] is an exhaustive, meticulously-documented history of **GMI** + **Singer**, especially the earlier decades. It will be published May 2010, and it really helped me know where to look.

GMI was long financed by family foundations (**A.2.1**) but later, added **ExxonMobil** and perhaps others, including aerospace. It has not released funding details for a while, but clearly got a funding boost in the last decade, and has had a CEO from **API,** *so one might plausibly guess oil money.*

GMI was long located on Washington DC's lobbyist-famous "K-Street", but recently moved to Arlington, VA.

Happer is the current Chairman of the Board, **Canavan** and **Spencer** are Directors, as was **Starr**. **Sproull** was an associate of **Seitz**, and a **GMI** Director. **Nierenberg** was on the Board of **Starr'**s **EPRI**. **Baliunas** and **Soon** have written papers for **GMI**, as have **Spencer** and **Christy**. . **Singer's SEPP** has long been connected with **GMI** : **Seitz** was **SEPP**'s Chairman, **Nierenberg** and **Starr** Science Advisors.

Rachel Schwartz is on the staff, labeled **Koch** Foundation Associate.

Matthew Crawford worked as **GMI** Executive Director for a short time (~5 months) starting 09/04/01.
Q: *His opinions later were interesting, and somebody might want to ask him more:*
web.archive.org/web/20011214154524/www.marshall.org/CrawfordIntroduction.htm
www.sourcewatch.org/index.php?title=Matthew_B._Crawford
www.nytimes.com/2009/05/24/magazine/24labor-t.html?_r=3&em=&pagewanted=all
"As it happened, in the spring I landed a job as executive director of a policy organization in Washington. This felt like a coup. But certain perversities became apparent as I settled into the job. It sometimes required me to reason backward, from desired conclusion to suitable premise. The organization had taken certain positions, and there were some facts it was more fond of than others. As its figurehead, I was making arguments I didn't fully buy myself. Further, my boss seemed intent on retraining me according to a certain cognitive style — that of the corporate world, from which he had recently come. This style demanded that I project an image of rationality but not indulge too much in actual reasoning. As I sat in my K Street office…"
His boss would have been **O'Keefe**.

GMI has long and strongly espoused free-market economics, for solutions to environmental and any other problems, i.e. as opposed to government regulation of anything. As far as I can tell, the 3 founders had strong conservative ideology, did not work for commercial companies, but for government, or in university research jobs, often supported by government grants. *As a long-time R&D (and venture-related) person in profit-making industrial companies, especially in ultra-entrepreneurial Silicon Valley, it seems incongruous to me for people to be constantly claiming the mantle of free enterprise when so much of their careers have been heavily-dependent on federal government funding.*

***GMI** appears to be a think tank originally started for ideological/political reasons, but effective think tanks often attract and compete for funding from others who like their messages.*

GMI Board. Political leaning?
On doing a donation analysis (as I did in **[MAS2009])** for the 18 GMI Directors I could find, 15 donated. One must be careful not to ascribe any view to any one person, unless perhaps they have a long, broad, one-sided donation pattern. However, the totals are still relevant, especially when they look like this:

GMI Director - Donations				
People	**%**	**$ Rep+Lib**	**$ Dem**	**Category**
8	53%	$139,900		**Republican+Libertarian only**
6	40%	$47,000	$4,000	**Mixed**
1	7%		$2,815	**Democratic only**
15	100%	$187,800	$6,815	**Totals**
		96.5%	**3.5%**	**Total $ Percentages**
2	**100%**			**Bush 04 or McCain 08**
0	**0%**			**Kerry 04 or Obama 08**

In the process, I checked the Board and some employees in more detail, using:
web.archive.org/web//www.marshall.org*
web.archive.org/web//www.marshall.org/board.php*
This shows the chronology of the Board, with Presidential administrations in which people were political appointees or were otherwise known to be involved, donations, and a "Conserv. Pol" column to indicate a visible conservative political view (donations, appointments, work at **Hoover**, being Director of **Manhattan Institute**, etc). Every Director is described in more detail in **A.7,** so the reader can see if this is a fair summary. For example, being President of Grove City College is actually quite politically meaningful.

*No political judgement is being made here. **GMI** claims to be "impartial", and this data helps the reader assess any political leaning. I would have no problem if **GMI** portrayed itself openly as a highly conservative political lobbyist/PR supporter of defense and oil. **API** is at least clear about what it is.*
Last columns show signers of **OISM** and the **GMI2002** letter. The gray zone roughly corresponds to **§4.**

GMI Board of Directors, plus some Staff									M&M Campaign												
Board	**C: Chair of BOD, D: Director, c: Ceo, p: President, m(e): Managing (Exec.) Director**	**??/??/90**	**12/21/96**	**03/04/00**	**04/05/01**	**07/20/01**	**11/07/01**	**10/14/02**	**04/18/03**	**08/23/04**	**03/13/05**	**02/16/06**	**02/11/07**	**03/19/08**	**02/01/10**	**$ Rep**	**$ Dem**	**RWR**	**GHWB**	**GWB**	**Consv Pol**	**OISM**	**08/14/02**
Ames, Bruce N	UC Berkeley		D	D	D	D	D	D	D	D	D	D				**$40,850**					x		
Baliunas, Sallie	H-S CfA		D	D	D	D	D	D	D	D	D					$3,000	$1,000					O	x
Canavan, Gregory H	**LANL**, SDI									D	D	D	D	D	D		$2,815						
Clancy, Thomas L. Jr	Author						D	D	D	D	D	D	D	D		**$61,250**					x		
Happer, Will	Princeton U						D	D	D	D	D	**C**	**C**	**C**	**C**	$1,000	$1,000		x		x		x
Hawkins, Willis M	Lockheed-Martin; d10/04/04	D	D	D	D	D	D	D	D	D						**$12,875**					x		
Healy, Bernadine	Cleveland Clinic Foundation							D	D	D	D	D				**$18,250**	$1,000	x	x	x	x		
Jastrow,Robert	Mt Wilson; d02/08/08	D	D	D	D	D	**C**	**C**	**C**	C	C	D	D			**$21,750**	$300	x			x		x
Krauthammer, Charles	Syndicated Columnist						D	D													x		
Moore, John H.	**Grove City College (Hoover)**		D	D	D	D	D	D	D	D	D	D	D	D	D	$300					x		
Nichols, Rodney	Consultant **(Manhattan Inst)**												D	D	D	$500	$500				x		
Nierenberg, William	Scripps, etc; d09/10/00	D	D	D												$250		x			x		
Nikolich, Milan	Exec Assoc CACI (LANL, SDI)														D	$900							
O'Keefe, William *	Solutions Consulting; **API**				m	m	p	p	p	c	c	c	c	c	c	**$23,375**					x		
Seitz, Frederick	Rockefeller U; d03/02/08	**C**	**C**	**C**	**C**	**C**	D	D	D	D	D	D	D	D		$2,500	$200	x			x	O	x
Spencer, Roy	UAH														D							o	
Sproull, Robert L	U Rochester (ret)						D	D	D	D	D	D	D	D									
Starr, Chauncey	**EPRI**; d04/18/07		D	D	D	D	D	D	D	D	D	D	D			$1,000					X	o	x
Staff (*)	**# BoD Members:**	4	8	8	8	8	12	13	12	13	12	11	10	8	7	$187,800	$6,815						
Kueter, Jeffrey *	ED/Pres GMI, 03/30/02-							e	e	e	p	p	p	p	p								
Salmon, Jeffrey *	ED 1991-04/01		e	e	e													x	x	x	x		
Herlong, Mark*	Program Director				x	x	x	x	x	x	x	x	x	x	x								
Wallis, Lynn*	VO Operations							x	x	x	x	x	x	x	x								
Crawford, Matthew *	ED 09/01/01-01/24/02+						e																

Following shows funding, in the same style as **Table A6.1a.** Almost all money comes from contributions, of which 41-75% are from the major foundations plus **ExxonMobil**. The rest is unknown to me.
Q: This identifies about 60% of the revenue claimed. Might it be interesting to know the other 40%? One might guess that aerospace+defense is included there somewhere, given GMI's interest. There may be more oil companies, given ***O'Keefe***'s background. Certainly, after he became President/CEO, **ExxonMobil** started funding. Funders do not always routinely write the same checks every year, although results should not be over-interpreted, given partial and missing data. Presumably fundees must show accomplishments each year.

Q: Would it be interesting to see the presentations to foundations and ExxonMobil for funding?

GMI Funding, [MMAN] versus 990 forms												
Top employee	Salmon (to DOE)				O'Keefe (ex-API)							
$1,000s	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
ExxonMobil					60		95	170	115	85	115	
Allegheny												
Carthage								35	170	100	100	
Sarah Scaife	155	130	130	130	155	155	155	155	155	155	155	
Scaife Family												
Charles G. Koch												
Claude R. Lambe								30				
David H. Koch												
Earhart		5	5	5	20	25	25	25	55	55	40	
John M. Olin(-2005)	25	25	50									
L&H Bradley	223	160	160	210	235	180	115	115	105		55	
MMAN Fou Contribs	403	320	345	345	410	360	295	360	485	310	350	0
MMAN Contribs (+EM)	403	320	345	345	470	360	390	530	600	395	465	0
990 Contribs (w EM)				672		593	684	764	801	964	737	834
MMAN Revenue (+ EM)	616	459	500	678	638		684	741				
990 Revenue				678		599	684	766	803	970	741	840
Max Revenue of prev	616	459	500	678	638	593	684	764	801	964	737	834
Max Contrib	403	320	345	672	470	593	684	764	801	964	737	834
ExxonMobil % of Contribs					13%		24%	32%	19%	22%	25%	
ExxonMobil % of Revenue					9%		14%	22%	14%	9%	16%	
Known Contribs % Revenue	65%	70%	69%	51%	74%	61%	57%	69%	75%	41%	63%	

Founder's Award – who gets honored, who pays?
www.marshall.org/subcategory.php?id=45
web.archive.org/web/20061130000053/www.marshall.org/pdf/materials/383.pdf
"The Marshall Institute's *Founders Award* recognizes outstanding individuals for their contributions to science, public policy, and public service. Previous recipients of the Founders Award include:
2004 ★ Dr. Frederick **Seitz**
2004 ★ Dr. Robert **Jastrow**
2005 ★ Dr. James **Schlesinger"**
2006 President George W. Bush
"to President George W. Bush to honor his contributions to American security and prosperity."

web.archive.org/web/20070614210315/www.marshall.org/article.php?id=390
2007 Dr. David Abshire
2008 Dr. Bruce N. **Ames**
2009 Dr. John S.Foster, Jr.

web.archive.org/web/20061129235601/www.marshall.org/pdf/materials/387.pdf 2005 Awards Dinner: "In hosting the 2005 Annual Awards dinner, the Institute was generously supported by the **ExxonMobil** Corporation, The Boeing Company, **TechCentral Station**, UST Public Affairs, Frank W. Ward, Federal Legislative Associates and Dunn's Foundation, and aided by the exemplary work of the Dinner Committee headed by Senator Mike Enzi of Wyoming and Representative Curt Weldon of Pennsylvania."

A few notes may be helpful:
www.sourcewatch.org/index.php?title=Tech_Central_Station Tech Central Station, *anti-science*

UST Public Affairs is a lobbying firm, whose top activity seems to have been tobacco:
www.implu.com/lobby_client/1357
www.opensecrets.org/lobby/firmsum.php?lname=UST+Public+Affairs&year=2008

Federal Legislative Associates "provides governmental and public relations services"; **O'Keefe** is a member.
www.fedgovlink.com/members.shtml

Mike Enzi (R-WY) is ranked sixth-most conservative Senator by National Journal. His top industry contributor is "oil&gas":
en.wikipedia.org/wiki/Mike_Enzi
www.opensecrets.org/politicians/industries.php?cycle=Career&cid=N00006249&type=I

Curt Weldon (R-PA) was a moderately conservative Representative, and worked to promote national missile defense, with strong ties to Boeing. Defense&Aerospace was #1 funder:
en.wikipedia.org/wiki/Curt_Weldon
www.opensecrets.org/politicians/industries.php?cycle=Career&cid=N00001535&type=I

www.marshall.org/article.php?id=667 2009 dinner announcement
www.marshall.org/pdf/materials/664.pdf 2009 dinner committee is interesting including representatives from Ball Aerospace, **Heritage**, **AEI**, Marathon Oil, Boeing, and Mitre.

In **[SAI2007]** p.23, **Said** says "Invitations – Good ones"
"We were invited to participate in a workshop by the Marshall Institute – anti anthropogenic global warming."

GMU+ – George Mason University $

www.gmu.edu/
www.sourcewatch.org/index.php?title=George_Mason_University
Unlike most organizations listed here, **GMU** is clearly not generally an anti-science advocacy organization. See **[YAL2009]** for example for useful work. The **GMU**-heavy composition of the **Wegman** Panel makes it relevant. . **Singer** was long associated with one of its Institutes. **GMU**, **InstHuSt** (Institute for Humane Studies) and **Mercatus Center** receive funding from the same foundations listed in **A.2**.

See also **SIPP1993**, organized by **Singer** with **GMU**'s International Institute, of which **GMI** Board member **Moore** was Director. www.sepp.org/Archive/conferences/conferences.html

GWPF+ – Global Warming Policy Foundation

www.thegwpf.org
This was created 4Q09, apparently to capitalize on the CRU "climategate" issue. **Peiser** is the Director. **Lawson** is the Chairman of the Board (see **Monckton** as well). The Academic Advisory Council includes Freeman Dyson, **Lindzen**, Ian Plimer (AU).

"The Global Warming Policy Foundation (GWPF) is an all-party and non-party think tank and a registered educational charity.
Our main purpose is to bring reason, integrity and balance to a debate that has become seriously unbalanced, irrationally alarmist, and all too often depressingly intolerant."

Heartland+ – Heartland Institute, Chicago (O6a) $

www.heartland.org/ Enter APS in the search box, to see how the APS petition is presented.
www.globalwarmingHeartland.org/experts.html "Global Warming Experts"

www.sourcewatch.org/index.php?title=Heartland_Institute
www.exxonsecrets.org/html/orgfactsheet.php?id=41
www.desmogblog.com/Heartland-institute-and-academy-tobacco-studies
www.Heartland.org/article/25984/An_Open_Letter_to_the_Council_of_the_American_Physical_Society.html
http://www.saschameinrath.com/files/HeartlandInstituteDonors2003.pdf

Heartland was founded in 1984, and basically acts as a PR/lobbying entity. It currently seems the most active of such in climate anti-science, with strong organizational/PR skills, and long-established lists of state and local legislative contacts. Funding patterns are sometimes direct, sometimes indirect (through layers of wealthy family foundations and think tanks), and sometimes even murkier.
It has a long history of tobacco funding, as can be found in the Tobacco Archives:
legacy.library.ucsf.edu/action/search/basic?fd=0&q=Heartland+institute,
This includes pitches to tobacco companies praising **Heartland**'s skills PR and lobbying, and reports by tobacco companies of **Heartland**'s efforts on their behalf.

The Tobacco Archives is a horridly-fascinating database of behind-the-scenes activity, unfortunately unavailable for most other anti-science campaigns. It is difficult to understand the methods and people involved in anti-science in the USA, without understanding its development with cigarettes **[BRA2007]**.

To become truly addicted to nicotine, most people need to establish the habit while their brains are still developing quickly, most between age 12 and 18, the earlier the better. In addition, people tend to stick with early choices of cigarette brands. Tobacco companies have known this for many decades:
legacy.library.ucsf.edu/tid/eyn18c00/pdf The Importance of Younger Adults

Long-term tobacco company revenues thus depend almost entirely on addicting children, *and most people might eschew association with an entity long closely-connected to the tobacco industry.* **Singer**, **Gould**, **Douglass**, **Jastrow**, **Nierenberg**, **Seitz**, **Michaels**, **Christy**, **Spencer**, **Baliunas, Soon** are/were involved with **Heartland**, as speakers, writers, or "Global Warming Experts."

Several physicists (not physicians) (**Seitz, Singer**) have taken even more direct roles in fighting any restrictions on smoking, generally by trying to create doubt about medical science research.

Heartland has recently become very active in climate anti-science activities, sponsoring conferences like:
Heartland2008#1 www.heartland.org/events/NewYork08/proceedings.html
Heartland2009#2 www.heartland.org/events/NewYork09/index.html
Heartland2009#3 www.heartland.org/events/WashingtonDC09/proceedings.html
These are substantial events, and their funding is indeed murky.
www.Heartland.org/books/PDFs/LegislatorsGuideGW.pdf is a *nicely*-produced "Legislator's Guide to Global Warming Experts." It says of Viscount Christopher Monckton:
"His 2008 article "Climate Sensitivity Reconsidered" appeared in the *APS Forum,* a peer-reviewed journal, and triggered international debate." *It was not peer-reviewed, and APS said so.*
Compared with maintaining tobacco sales via addiction of children, confusing people about climate is child's play, and clearly of no ethical concern.

Heartland's homepage shows rotating portraits of various people, including Benjamin Franklin and Thomas Jefferson, who I think were fine scientists, among their other roles. *I wonder if they would approve.*

Heritage+ Foundation (O6a) $

www.heritage.org/
www.sourcewatch.org/index.php?title=Heritage_Foundation

Hoover+ Institution (O6a) $

www.hoover.org/
en.wikipedia.org/wiki/Hoover_Institution
www.sourcewatch.org/index.php?title=Hoover_Institution
This conservative/libertarian thinkank is located on the campus of Stanford U, with which it coexists, sometimes uneasily. It only occasionally seems to do anything with climate change. I would personally put it in a different intellectual league than some of these others, i.e., more a center of real conservative intellectual thought and scholarship than a PR/lobbying entity for hire. It is mentioned primarily because formal association seems a fair indication of political viewpoint.

Hudson+ Institute(O6a) $

www.hudson.org
www.sourcewatch.org/index.php?title=Hudson_Institute
www.sourcewatch.org/index.php?title=Dennis_Avery
Climate does not seem a particular focus, but Dennis **Avery** coauthored a recent book with **Singer.**

InstHuSt +– Institute for Humane Studies (at GMU) $

www.theihs.org
www.sourcewatch.org/index.php?title=Institute_for_Humane_Studies
www.sepp.org/about%20sepp/bios/singer/cvsfs.html
See discussion under **GMU**, this is not generally an anti-science advocacy organization. However, it is listed in Table A.2.1, and **Singer**'s CV says: "1994-2000 Distinguished Research Professor, Institute for Humane Studies at George Mason University, Fairfax, VA"

Manhattan+ Institute for Policy Research (O6a) $

www.manhattan-institute.org
www.manhattan-institute.org/html/trustees.htm
www.sourcewatch.org/index.php?title=Manhattan_Institute_for_Policy_Research
GMI Board member **Nichols** is on the Board here.

Mercatus+ Center (at GMU) $
mercatus.org
www.sourcewatch.org/index.php?title=Mercatus_Center
See discussion under **GMU**, this is not generally an anti-science advocacy organization. However, it is listed in Table **A.2.1.**

National Post+ (O8) Canada
www.nationalpost.com
en.wikipedia.org/wiki/National_Post
network.nationalpost.com/np/blogs/fpcomment/archive/tags/Lawrence+Solomon/default.aspx
www.nationalpost.com/opinion/columnists/story.html?id=90f8dd19-4a79-4f8f-ab42-b9655edc289b

The **Post** has run many articles by Lawrence **Solomon** on climate-change deniers, also gathered in his book **[SOL2008]**. Some such labeled have rather strongly objected.

NCPA+ – National Center for Policy Analysis (O6a) $
www.ncpa.org
www.sourcewatch.org/index.php?title=National_Center_for_Policy_Analysis

NCPPR+ – National Center for Public Policy Research (O6a) $
www.sourcewatch.org/index.php?title=National_Center_for_Public_Policy_Research
Crandall has been an Adjunct Fellow.

PLF – Pacific Legal Foundation (O6a) $
community.pacificlegal.org/Page.aspx?pid=183
www.sourcewatch.org/index.php?title=Pacific_Legal_Foundation
This is located in Sacramento, CA, *and is an advocacy organization, despite the name.*

PRI+ – Pacific Research Institute (O6a) $
liberty.pacificresearch.org
www.sourcewatch.org/index.php?title=Pacific_Research_Institute
This CTT's location is unusual – San Francisco.

Reason+ Foundation (O6a) $
reason.org
www.sourcewatch.org/index.php?title=Reason_Foundation
This is also an advocacy group, not a foundation in the usual sense. It is located in Los Angeles.

SEPP+ – Science and Environmental Policy Project – S.Fred Singer (O6c) 501(c)3. $
www.sepp.org/
www.sourcewatch.org/index.php?title=Science_and_Environmental_Policy_Project
http://dynamodata.fdncenter.org/990_pdf_archive/541/541645372/541645372_200812_990.pdf
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. **Seitz** was Chairman, and **Starr** and **Nierenberg** were Science Advisors. Oddly, as of 10/21/09, although deceased, all 3 are still listed:
www.sepp.org.org/about%20**SEPP**/boarddir.html
In many ways, **SEPP** has almost acted as a subsidiary but certainly a close ally of **GMI**, except with more funding flexibility. *It seems like a way to do consulting with lower taxes, and no accountability.*
See especially **[HOG2009]** Chapter eight, "Denial by the pound" regarding "petition science" as such petitions are hardly new. **Singer** has been involved in creating such petitions since 1992, and others here have often been involved. **Singer** has strong ties to similar organizations in Europe, especially in The Netherlands and Sweden.

SPPI+ – Science and Public Policy Institute – Robert Ferguson (O6c)

scienceandpublicpolicy.org/
This is a small entity formed in 2007, somewhat akin to **SEPP**, really Robert **Ferguson,** a website, plus advisors. *Think of it as a recent startup seeking to gain attention and funding.* **Ferguson** had set up an **ExxonMobil**-funded effort **FoF/CSPP** 2003-2007, then formed **SPPI** himself. **Soon** is Chief Science Advisor. It was somewhat involved in APS2009 Petition, reprinting a **Gould** APS-NES piece, via the connection of Viscount Christopher **Monckton**'s article in APS FPS in 2008, and use of quotes from **Gould** to support that:
scienceandpublicpolicy.org/commentaries_essays/critical_warming_perspective.html
scienceandpublicpolicy.org/press/proved_no_climate_crisis.html
Also, **SPPI** published a web piece by **Cohen**, 08/06/08
scienceandpublicpolicy.org/commentaries_essays/IPCC_s_case_for_anthropogenic_global_warming_.html
Since **Gould** frequently referenced the **SPPI** website, this may have provided the connection between **Gould** and **Cohen**.
SPPI played a large role in a **Monckton** attack on Naomi Oreskes in 2007, analyzed in **[MAS2008].**
This is mainly mentioned here as continuation of the **FoF/CSPP + CHC** discussions, i.e., **Ferguson** would certainly have been familiar with **CHC** activities 2003-2007.

TASSC+ – The Advancement of Sound Science Coalition (started 1993, now defunct) (O5c) $

en.wikipedia.org/wiki/Advancement_of_Sound_Science_Center
www.sourcewatch.org/index.php?title=The_Advancement_of_Sound_Science_Coalition
web.archive.org/web/19980112135753/www.tassc.org/html/about/board.html
Advisors included **Seitz, Michaels, Ames** (biochemist who was also **SEPP** Advisor and **GMI** Director).
www.sourcewatch.org/index.php?title=Scientific_Advisory_Board
Singer certainly was heavily involved:
tobaccodocuments.org/landman/158433.html
legacy.library.ucsf.edu/action/search/basic?fd=0&q=tassc+fred+singer
web.archive.org/web/19980112135753/www.tassc.org/html/about/board.html
Founding member scientists included **Enstrom**.
It started as a front for Philip Morris, set up by, not by their usual PR firm, but by another, PR firm **APCO**, and gave **Steve Milloy** a good start. The general approach was to label any inconvenient science as "junk science." Either reference above lists **TASSC** funders, primarily tobacco and petroleum companies, with some chemical companies and a few others, including somewhat oddly, **LLNL**. **TASSC** was strongly connected to **CATO** via **Milloy**, and Michael Gough of **CATO** was on the Advisory Board. It is the classic example of tobacco companies trying to "hide in the crowd" of general anti-science .
TASSC also released petitions asking to defer air quality standards and opposing Kyoto.
legacy.library.ucsf.edu/tid/any77d00/pdf

TCS+ -TechCentral Station (O9) $

www.sourcewatch.org/index.php?title=Tech_Central_Station
This was published by DCI Group, of whom Diane Miller attended **GMI** 2009 Award Dinner.
www.marshall.org/pdf/materials/664.pdf

TII+ -The Independent Institute, The (O6a) $

www.independent.org
www.sourcewatch.org/index.php?title=Independent_Institute
www.sourcewatch.org/index.php?title=The_Independent_Institute/Personnel
Singer has long been associated with **TII**, was/is a Research Fellow.

TIRC+ – Tobacco Industry Research Committee (1953-1964), reorganized as
CTR+ – Council for Tobacco Research (1964-1999) (O5b)
www.sourcewatch.org/index.php?title=Tobacco_Industry_Research_Committee
www.sourcewatch.org/index.php?title=Council_for_Tobacco_Research
www.ttlaonline.com/HKWIS/hksplash.htm
www.ttlaonline.com/HKWIS/0302.pdf
These pioneered the existence of sophisticated PR/lobbying entities with attached scientific advisory boards to provide science-appearing support for doubt and confusion.
See **[BRA2007]** and discussion above of May 1954 memo from Hill and Knowlton, "A Scientific Perspective on the Cigarette Controversy", which quoted many people, in arguments from authority:
legacy.library.ucsf.edu/tid/wye21a00/pdf
The main arguments can be summarized (as from SourceWatch CTR article):

- The evidence is still inconclusive.
- Something other than smoking may be responsible.
- Statistical evidence can't be trusted.
- It's all a scare campaign.
- The issue is too complicated, even for scientists.
- Nit-picking at irrelevant details.
- More research is necessary.

This is basically a manual of style for most environmental anti-science campaigns since then, and this Petition is in many ways a genetic descendant.

*Some think tanks have long worked with tobacco companies, but seemed to take on a bigger percentage of campaign as **CTR** was disbanded. Think tanks offered more anonymity as well. A think tank could promote free enterprise, "sound science", fight against every environmental restriction (whether a particular one was reasonable or not, as they have varied. Tobacco fights could easily "hide" amongst those, much easier than in tobacco-specific **TIRC/CTR**. An example of a front done that way was **TASSC**.*
Many think tanks have tobacco connections, thus taking money to help addict children to tobacco, the main way of getting customers for life. But, their websites often have American eagles or flags…

UofR-Physics+ (University of Rochester Physics)
The University of Rochester is a credible university, not generally an anti-science advocacy organization, and *I believe it has a credible physics department.* But when I was writing **[MAS2009]**, I was struck by the nexus of connections at UofR, shown in the box on p.38. **Sproull, Douglass, Knox** and Bodek were members of the Physics department, and 4 other signers had plausible connections.
I had speculated that this had something to do with the connection of **Sproull** to **GMI.**

The mission of the **GCSCT1998** included "
"Identify, recruit and train a team of five independent scientists to participate in media outreach. These will be individuals who do not have a long history of visibility and/or participation in the climate change debate."

In 1999, after long careers in other areas of Physics, **Knox** started publishing climate-related articles, later joined by **Douglass**, writing in various combinations, sometimes with **Christy, Michaels,** or **Singer**.

*Q: Is this just coincidence, or was this a **GCSCT**-inspired recruitment by **Sproull**?*

Knox and **Douglass** hosted **Monckton** to speak to the Department, which he at least said was challenging:
http://www.aps.org/units/fps/newsletters/200807/monckton.cfm

Their papers have often been refuted rather quickly, but they also get heavily referenced by anti-science people. Lately, **Douglass** and **Christy** have resumed the extra-science attacks on Ben Santer.

WLF+ – Washington Legal Foundation (O6a) $
www.wlf.org
www.sourcewatch.org/index.php?title=Washington_Legal_Foundation

WSJ – Wall Street Journal (O8)

WSJ is not generally an anti-science advocacy organization**,** but **WSJ OpEd** has long offered venues for anti-science efforts, as against Ben Santer in 1996, printing **Seitz**'s 6/12/06 OpEd, printing only part of Santer reply written with many other climate scientists, and then printing **Singer'**s 06/20/06 Letter. **[ORE2010].** They have often printed **Lindzen** OpEds.

I have seen good climate-related articles in the WSJ, but WSJ OpEd has a strong history of climate anti-science OpEds. I did not have time to exhaustively search for them.

10 A.4 Anti-Science by Petition, Conference, Project, Report

Introduction. Petitions, declarations, open letters, or whatever they are called are rarely intended to convince field scientists or organizations, but as PR to influence public and politicians. It is non-trivial to assess the actual scientific credibility of people on large lists like these, so organizers try to get people with PhDs or relevant-sounding titles, whether they actually have ever published any relevant research. Think tanks often have names with "Institute" in them, and often "Science," so such are useful. Sometimes lists include people who totally disagree, are surprised to find they have been named, send angry letters to the organizers … and often remain on the list. Some people signed, misunderstanding the petition, and would not sign today. Some of the same names show up again and again, but it is interesting to study how other people get on such lists, especially if they are actually highly-educated scientists.

People also organize conferences advertised as climate science conferences, but are totally unlike normal science conferences run by scientific societies. Most speakers have few if any peer-reviewed publications in the field. Everyone agrees that under no circumstances can CO2 be restricted. They disagree whether or not warming is occurring, but do agree that if it is occurring, it is almost entirely natural, although they often disagree on the specific cause of any warming, and sometimes support mutually-contradictory reasons. All agree that the **IPCC** is bad and that Al Gore is really bad, as though the latter was the basis of the science. Sometimes petitions are generated in conjunction with conferences. See especially **[HOG2009]** Chapter 8, "Denial by the pound."

Finally, the reader can easily find vague comments like "Climate scientists are only doing it for the money" or "IPCC reports are entirely political", "alarmist James Hansen," etc. Sometimes these turn into well-organized, long-sustained attacks even involving threats of physical violence, not from the organizers, but from those incited. A few of these are covered in **A.5**.

Jim Prall analyzes some petitions and signers in detail in his database:
www.eecg.utoronto.ca/~prall/climate/skeptic_authors_table_by_clim.html

ACS2009 Petition– Heartland
rabett.blogspot.com/2009/08/this-is-gonna-be-fun-notice-flows-into.html
"If you are planning to attend the meetings of the American Chemical Society in Washington DC Aug 16-19, be sure to visit the booth of the **Heartland** Institute and sign up to protest the ACS statement on climate change. If you cannot attend and are a current or former ACS member, contact Dr Peter Bonk at peterjbonk@gmail.com". *Why would **Heartland** even have a booth at ACS.*

APS2009 Petition – GMI, Heartland, Singer
See **[MAS2009].** This later joined up with "Climategate", see **Happer.**

BALI2007 Petition – 12/13/07 (in CA, National Post) "Don't fight, adapt"
deepclimate.org/2009/12/10/bali-2007-revisited, organized by **Harris**
www.nationalpost.com/news/story.html?id=164002 open letter
www.nationalpost.com/news/story.html?id=164004 sign**atures**
The signers include **Boehmer-Christiansen**, Freeman Dyson**, Essex**, **C.Idso, S.Idso, Lawson, Legates, Lindzen, McKitrick, Singer, Roy Spencer,** Brian Valentine**, and Wegman.**

CATO2009 Advertisement - **CATO Institute Full-page ad run in LA Times, Chicago Tribune, Washington Post, Washington Times, and New York Times March 30 2009 (**Code **c) –**
www.cato.org/special/climatechange/alternate_version.html
www.eecg.utoronto.ca/~prall/climate/Cato09_authors_table.html
Names included **Michaels**, **Spencer**, **Cohen**, **Gould**, **Happer**, **Douglass**, **Knox**, **Nichols**.
For many petitions, anyone can sign. *I guess this one was by invitation, using some CATO mailing list.*

EUR2009 – "Programme for the climate conference in the European Parliament," 11/18/09.
http://jules-klimaat.blogspot.com/2010/01/mep-roger-helmers-yearly-climate.html
http://www.rogerhelmer.com/conferenceprogramme.asp
Speakers included **McKitrick, Singer, Peiser, Delingpole.**

GCSCT+ or GCSCT1998+ – Global Climate Science CommunicationsTeam (Project of **API**)
GCSCT was formed in early 1998 to avoid US ratification of Kyoto and further initiatives.
www.sourcewatch.org/index.php?title=Global_Climate_Science_Communications_Team
www.historycommons.org/entity.jsp?entity=joe_walker_1
Joe Walker was API's public relations representative.
*The following **API** 9-pager April 1998 is a classic blueprint for anti-science advocacy*, with goals, budgets, roles. It is really instructive reading to help understand the machinery of anti-science,
*This group seems to have met at **API** Headquarters, at least some of the time.*
www.edf.org/documents/3860_GlobalClimateSciencePlanMemo.pdf the scanned image
www.euronet.nl/users/e_wesker/ew@shell/API-prop.html searchable text.

A few annotated excerpts are:
"Unless "climate change" becomes a non-issue, meaning that the Kyoto proposal is defeated and there are no further initiatives to thwart the threat of climate change, there may be no moment when we can declare victory for our efforts."

"Develop and implement a program to inject credible science and scientific accountability into the global climate debate, thereby raising questions about and undercutting the "prevailing scientific wisdom."

"Identify, recruit and train a team of five independent scientists to participate in media outreach. These will be individuals who do not have a long history of visibility and/or participation in the climate change debate. Rather, this team will consist of new faces who will add their voices to those recognized scientists who already are vocal." *This is very important for later events.*

"Convince one of the major news national TV journalists (e.g., John Stossel) to produce a report examining the scientific underpinnings of the Kyoto treaty."

"Potential funding sources were identified as American Petroleum Institute (**API**) and its members; Business Round Table (BRT) and its members, Edison Electric Institute (EEI) and its members; Independent Petroleum Association of America (IPAA) and its members; and the National Mining Association (NMA) and its members.
Potential fund allocators were identified as the American Legislative Exchange Council (**ALEC**), Committee For A Constructive Tomorrow (**CFACT**), Competitive Enterprise Institute **(CEI)**, Frontiers of Freedom **(FoF)** and The Marshall Institute. **(GMI)**
Total Funds Required to Implement Program through November 1998 ---- $2,000,000…"
"**GCSCT** members who contributed to the development of the plan are John Adams, John Adams Associates (PR firm); Candace **Crandall**, Science and Environmental Policy Project (**SEPP**, **Singer**'s wife); David **Rothbard**, Committee For A Constructive Tomorrow (**CFACT**); Jeffrey **Salmon**, The Marshall Institute (**GMI**); Lee Garrigan, environmental issues Council; Lynn Bouchey and Myron **Ebell**, Frontiers of Freedom (**FoF**); Peter Cleary, Americans for Tax Reform; Randy Randol, **Exxon** Corp.; Robert Gehri, The Southern Company (a large SouthEast utility, 70% coal); Sharon Kneiss, **Chevron** Corp; Steve **Milloy**, The Advancement of Sound Science Coalition (**TASSC**); and Joseph Walker, American Petroleum Institute (**API**)."
en.wikipedia.org/wiki/Southern_Company

This might be better called a Global Climate Anti-Science Communication All-Star Team, composed of PR people and representatives of anti-science think tanks, fronts, and fossil-fuel companies. They are very sure about the state of climate science, but oddly, lack actual climate scientists.

*This is a good example of **Fig. 2.1** money-and-meme laundering, driven by economics (FIN*).*
Funders (in this case corporations (O1, FIN1) through their trade associations (O5a, FIN2)) supply money to various front organizations (O5b, FIN2) and thinktanks (O6, FIN2), some of which are funded longer-term by foundations (O2, FIN1). (Disinformation) memes are developed and they search for scientists (B4, B3) and communicators (B1b) to spread them (FIN3, sometimes other reasons).
See M&M2001 Campaign (A.4) and possibly UoR-Physics

***Walker** reappeared somewhat later:*
www.dailykos.com/story/2009/5/20/730706/-Behind-climate-inactivismthe-informedness-causes-apathy-meme
www.ewire.com/display.cfm/Wire_ID/4553

GMI2002+ Letter - George C. Marshall Institute to President George W. Bush, August 14, 2002
rabett.blogspot.com/2009/11/john-mashey-and-arthur-smith-were-right.html (thanks to "Eli Rabett")
www.governmentdocs.org/docs/upl204/foi51/doc930/pdfs/pdf000378.pdf letter
www.governmentdocs.org/docs/upl204/foi51/doc930/pdfs/pdf000379.pdf signers
The letter is from **O'Keefe**, then President of **GMI**, previously with **API** 25+years.
The 3 paragraphs reiterate familiar themes: doubt about science, focus on uncertainties, "models dominated by assumptions rather than observations", do not damage the economy, ending:
"We applaud your commitment to a science-based policy. We also reiterate that the overwhelming balance of evidence shows no appreciable warming trend attributable to carbon dioxide from human activity. The tell-tale significant human influence on climate – a warming of the lower atmosphere – does not exist. Contrary to all computer model forecasts for global warming, neither satellites nor weather balloons can find any warming trend in the lower atmosphere for over decades."

This is consistent with **GMI**'s view all the way back to its 1990 book. Some is *a misstatement of the time's science, but delivered with utter certainty*. *Some is misleading*. Balloon data was spotty and had calibration problems, and the satellite analyses (by **Christy** and **Spencer**) were found around 2005 to have had serious errors that showed no warming where everyone else did.

Of the 22 signers, 9, **Seitz, Jastrow, Baliunas, Happer, Starr, S.Idso, Legates, Michaels, and Singer** are listed in **A.7**. Of the remaining 13, all signed **OISM**. *Basically, this list can be summarized as "distinguished scientists, but not climate scientists, many at or near retirement, often associates of the **GMI** founders."* As a group, the political contributions totaled $20,400, of which $17,600 (86%) were to Republican, and $2,800 (14%) to Democrats. The former was skewed by Teller ($8,250) and **Singer** ($5,400). The latter was skewed by Moll ($1,550 to Obama'08). This list should not be over-interpreted: some may well have signed as favors to old colleagues, and possibly have changed their minds since.
That list was:
Robert **Jastrow** – Mt. Wilson Institute [**GMI** Chairman in 2002]
Sallie **Baliunas** – Harvard U [really, Harvard-Smithsonian Center for Astrophysics, **GMI** Director]
Will **Happer** – Princeton U [already a **GMI** Director]
Chauncey **Starr** – Electric Power Research Institute [long-time **GMI** Director]
Robert K. Adair -Yale U nuclear physics, en.wikipedia.org/wiki/Robert_Adair_%28physicist%29
(Adair reappeared on the APS Petition evaluation panel, 2009).
Sidney Benson - U of Southern CA chemistry, www.usc.edu/dept/chemistry/loker/faculty/Benson.html
Ernest Beutler – Scripps hematology/biomedical, en.wikipedia.org/wiki/Ernest_Beutler
David A. Bromley – Yale U nuclear, www.yale.edu/physics/news/Bromley/bromleyobit.html, Bush admin
Robert F. Doolittle – astrophysicist (could not find)
Howard Evans – Cornell anatomist, www.news.cornell.edu/stories/Nov06/Evans.profile.jg.html
Sherwood **Idso** – U.S. Water Conservation Laboratory [Idsos' efforts often funded by fossil fuels]

Arthur Kantrowitz – Dartmouth College, AERL, engineering.dartmouth.edu/faculty/emeriti/arthurkantrowitz.html
David **Legates** – U of DE [well-known, **GMI** connections]
Philip Majerus – Washington U St Louis hematology, hematology.wustl.edu/faculty/majerusP/majerusPBio.html
Patrick **Michaels** – Virginia State Climatologist [**GMI** connections, papers, book]
John L. Moll – Hewlett Packard
Albert Overhauser – Purdue nuclear, en.wikipedia.org/wiki/Albert_Overhauser, papers with **Werner** @ Ford
Rudi Schmid – UC San Francisco medicine, medschool.ucsf.edu/news/features/public_service/20071022_Schmid.aspx
James B. Serrin – U of MN mathematics, www.math.umn.edu/~serrin/serrinv.html
Fred **Singer** – **Science and Environment Policy Project (SEPP)** [**GMI** connections numerous]
Edward Teller – **Hoover Institute** nuclear**,** en.wikipedia.org/wiki/Edward_Teller

GMI2005 Panel 02/10/05 "U.S. Climate Policy After Kyoto's Ratification"
www.marshall.org/pdf/materials/300.pdf
"On February 10, 2005, the Institute hosted a panel discussion called *The Kyoto Protocol and Beyond: A Roundtable Discussion on the Future of International and U. S. Climate Policy* in cooperation with the Competitive Enterprise Institute (**CEI**). The panel **Inhofe**, Chairman of the Senate Environment and Public Works (EPW) Committee; **Ebell**, Director of Global Warming Policy, **Competitive Enterprise Institute**; **O'Keefe** (**GMI)**, **George C. Marshall Institute**, **Horner**, Counsel, **CHC**; and **Wheeler**, EPW Committee majority staff director. The panel members discussed the prospects for implementing the Kyoto Protocol, the international agreements which may follow Kyoto, and their meaning for U. S. climate policy…. (several more pages)… "
"Senator **Inhofe…** "global warming is the greatest single hoax ever perpetrated on the American people."
"William **O'Keefe** emphasized that the basic premises behind global warming are shaky: the belief that greenhouse gases are being trapped and warming the earth as not been validated by satellite measurements…"

The following were fairly substantial events, albeit generally lacking many actual climate scientists.

***Heartland2008#1+ International Conference on Climate Change, March 2-4 New York**
www.Heartland.org/events/NewYork08/proceedings.html
See also **Manhattan Declaration**,whose first group signed at this conference.

***Heartland2009#2+ International Conference on Climate Change March 8-10 New York**
"Global Warming – Was it Ever a Crisis?"
www.Heartland.org/events/NewYork09/index.html

Heartland2009#3+ Third International Conference on Climate Change June 2, 2009 Washington, DC
www.Heartland.org/events/WashingtonDC09/proceedings.html

Heidelberg+ Appeal– 1992 – SEPP/Singer/TASSC
www.sepp.org/policy%20declarations/heidelberg_appeal.html
en.wikipedia.org/wiki/Heidelberg_Appeal
www.sourcewatch.org/index.php?title=Heidelberg_Appeal
www.sourcewatch.org/index.php?title=S._Fred_**Singer**
HAN – Heidelberg Appeal Netherlands (see **Sluijter**)
jules-klimaat.blogspot.com/2009/09/heidelberg-appeal.html
jules-klimaat.blogspot.com/2009/10/heidelberg-appeal-nederland.html

Leipzig+ Declarations – 1995, 1997, 2005 – SEPP/Singer
www.sepp.org/policy%20declarations/LDrevised.html
en.wikipedia.org/wiki/Leipzig_Declaration
Signers included **Lindzen, Michaels, Seitz, Starr.**

M&M2001+- Campaign
§4 covers this in detail, following the work of **[DEE2010], [DEE2010a**]. In accordance with the GCSCT plan, some new people were recruited, exposed to Washington, and encouraged.
Think tanks included **Fraser, CEI/CHC, GMI.**

Manhattan+ Declaration – 2008 – Heartland/ICSC (Harris)
www.climatescienceinternational.org/
www.climatescienceinternational.org/index.php?option=com_content&task=view&id=37&Itemid=54
www.Heartland.org/policybot/results/22866/New_York_Global_Warming_Conference_Considers_Manhattan_Declaration.html
www.climatescienceinternational.org/index.php?option=com_content&task=view&id=66
ICSC and **Heartland** worked to consider this petition at the **Heartland** 2008 conference in NYC, and then has added signatures since. Their list has 3 groups of endorsers, those who were at the conference, those who were not, but also claimed to have relevant expertise, and general public.
www.climatescienceinternational.org/index.php?option=com_content&task=view&id=48&Itemid=1
Singer, and **Spencer** were present and signed (M).
www.climatescienceinternational.org/index.php?option=com_content&task=view&id=62&Itemid=1
Douglass (m) signed later.
www.climatescienceinternational.org/index.php?option=com_content&task=view&id=66
Then, ICSC picked 197 endorsers as "climate science specialists or scientists in closely related fields", headed "Climate Experts who signed **Manhattan Declaration**": **Douglass**, **Singer**, **Spencer**.

NIPCC – Nongovernmental International Panel on Climate Change
This is basically **Singer** plus friends. Names keep changing, but the two versions were:

NIPCC2008 – Nature, Not Human Activity Rules the Climate: The Summary for Policies of the Report of NIPCC, April2008. SEPP (Singer, Ed), published by Heartland.
www.heartland.org/books/N**IPCC**.html
See page 2 for its list of contributors, of which only **Avery, C.Idso**, and **Monckton** are mentioned here, but has a good international list, generally lacking credible climate scientists.
This was reviewed at *RealClimate*, mostly enumerating long-debunked wrong memes and referring to past posts and papers.
www.realclimate.org/index.php/archives/2008/11/not-the-IPCC-NIPCC-report/

NIPCC2009 – Climate Change Reconsidered, June 2009, S. Fred Singer and Craig Idso
www.N**IPCC**report.org/
www.N**IPCC**report.org/aboutN**IPCC**.html
At this point, the website is separate, but the media contact is still at **Heartland**.
www.N**IPCC**report.org/forMoreInformation.html
Gives "For more information" for print/broadcast journalists, government official or staffer, or philanthropist wishing to donate, all contacts are at **Heartland**. It heavily references the **OISM Petition**.

OISM1998+ or OISM+ Petition – Oregon Institute of Science & Medicine– OISM, GMI.
www.oism.org/; www.oism.org/pproject/pproject.htm#341; www.petitionproject.org/
www.sourcewatch.org/index.php?title=Oregon_Institute_of_Science_and_Medicine
en.wikipedia.org/wiki/Oregon_Institute_of_Science_and_Medicine
en.wikipedia.org/wiki/Arthur_B._Robinson
Without this petition, few people would have heard of this barnlike structure in rural Oregon, in which work chemist Arthur Robinson and his sons Noah and Zachary. The petition is widely mentioned to prove lack of consensus, though it is just an unchecked, often-unidentifiable list of names. In most scientific disciplines, science is rarely done by petition of random people, but it does impress some of the public.
Jeff Goodell, **[GOO2006**], p.194-197, quotes **OISM**'s head Arthur Robinson:
"One of these days, people will start to see global warming for what it is – a thinly disguised scam by

corporations, the United Nations, and big environmental groups to reduce the world's population. Speaking as a scientist, I can tell you that most people who tout global warming are liars, and the sooner we recognize that, the better."
He says he believes evolution is "a hypothesis that is yet unproven." He spoke at **Heartland** 2009 climate conference. The **OISM** "faculty" has Robinson, his 2 sons, and 3 others who live elsewhere.

One can usually verify whether or not specific known people have signed, and approximately when, via the Internet Archive's Wayback Machine. For example, one can see the status as of August 23, 2000:
web.archive.org/web/20000823175239/www.oism.org/pproject/pproject.htm
The original April 1998 paper was by Arthur Robinson, Zachary B. Robinson, **Baliunas**, and **Soon**, the latter two identified with **GMI** affiliations (not H-S CfA). It was formatted like a **PNAS** paper, and arrived with a cover letter from **Seitz**, past President of NAS, confusing some people into signing, thinking it was a call for more research. The **NAS** took the unusual action of publicly disavowing any connection with this.

The current website offers a 2007 paper (by Arthur Robinson, Noah Robinson, and **Soon,** with only **OISM** listed as an affiliation), which appeared in the *Journal of American Physicians and Surgeons* (JPandS).
www.oism.org/pproject/GWReview_OISM150.pdf
That might seem an odd place for a climate paper, but see:
en.wikipedia.org/wiki/Association_of_American_Physicians_and_Surgeons
www.sourcewatch.org/index.php?title=Association_of_American_Physicians_and_Surgeons
The Executive Director (of JPandS' parent AAPS) is Jane Orient, one of the **OISM** "faculty". Debunking anti-science is tedious, because it usually needs more words to explain why something is wrong, cherry-picked or incomplete, but fortunately, it has been well-done already:
www.realclimate.org/index.php/archives/2007/10/oregon-institute-of-science-and-malarkey/
www.realclimate.org/wiki/index.php?title=**oism**
www.climatesciencewatch.org/file-uploads/Comment_on_Robinson_et_al-2007R.pdf (MacCracken)
rabett.blogspot.com/2009/10/critical-review-of-robinson-robinson.html (Mike Powell)

Summary: Signers find **OISM** a more credible institution than NAS, AAAS, APS, AGU, AMS.

SIPP1993 – Singer, GMU, Moore
"Scientific Integrity in the Public Policy Process"
www.sepp.org/Archive/conferences/conferences/sippp.html
This was **Singer**'s first listed conference, which included Fred Smith (**CEI**), Peter Huber (**Manhattan** Institute), **Jastrow, Lindzen, Singer**, Robert Hahn (**AEI**). **Seitz** attended.

Stockholm2006 – "Global Warming – Scientific Controversies in Climate Variability" – Sept 11-12, 2006, Stockholm, SE
gamma.physchem.kth.se/~climate
This was organized by **Stilbs**, a Professor of Physical Chemistry, whose research has generally focused on NMR. *The conference reached the expected conclusions: no warming since 1998, expect global cooling, cosmic rays might be important, any warming is most likely natural, CO2 is not really important, carbon taxes or cap-and-trade are bad.* Speakers included **Baliunas**, **Singer**, **Soon**.
gamma.physchem.kth.se/~climate/speakers.htm

A.5+ Anti-Science by Personal Attack and Web

GET-BEN-SANTER-1996 (to now) **[ORE2010]**
en.wikipedia.org/wiki/Benjamin_D._Santer
Santer is a distinguished climate scientist attacked by **GMI** (**Seitz**) via **WSJ** OpEds with help of **Singer**, and flurry of OpEds, letters, with no basis whatsoever. This continues to this day.

GET-CRU-2009 ("Climategate") and Michael Mann, and IPCC

"Climategate" and interaction with APS Petition
The interested reader might peruse a few to assess the caliber of scientific discussions therein.

11/02/09 The Chilling Effect, "A Gaggle is Not a Consensus," "Frosty the Know Man"
thechillingeffect.org/2009/11/02/a-gaggle-is-not-a-consensus/ It points at the next as a source, rather oddly since **Morano** is one of the editors of The Chilling Effect:
thechillingeffect.org/about/

11/02/09 Watts Up With That :Physicists send letter to Senate – Cite 160 Scientists protest against APS climate position", Anthony Watts.
wattsupwiththat.com/2009/11/02/160-physicists-send-letter-to-senate-regarding-aps-climate-position/
This starts by saying "Since I'm not legally allowed to show the APS logo (they complained the last time) this will have to do:" then shows picture of Saddam Hussein's spokesman saying "Yes, there is a consensus."

11/02/09 ICECAP "Team of Scientists' Open Letter to U.S. Senators: 'Claim of consensus is fake", Marc Morano (*he is busy*)
icecap.us/index.php/go/new-and-cool

11/02/09 Climate Change Fraud, adds a cartoon, copies Morano's Climate Depot article, ??
www.climatechangefraud.com/editorials/5516-team-of-scientists-open-letter-to-us-senators-claim-of-consensus-is-fake
www.climatechangefraud.com/about-us/learn-about-ccf

11/03/09 (Australia time) JoNova, "The Consensus is Fake," Joanne Nova,
joannenova.com.au/2009/11/the-consensus-is-fake
"Eminent Professors have taken the extraordinary step of writing another open letter to Congress to warn them again that there is no consensus and *they are being deceived*."
Jo Nova is a "freelance science presenter and writer, and former TV host." *She has a new career.*

12/04/09 A subset of the organizers sent email **A.12.4** to some set of APS members. As of 12/07/09, it had been quickly propagated, with (+) in support, (=) noncommittal, or (- against, as found by:
Google: By now everyone has heard of what has come to be known as ClimateGate, which was and is an international scientific fraud, the worst any of us have seen in our cumulative 223 years of APS membership
The reader might sample these to see if any patterns of worldview are visible here.

12/04/09 (=) Information Processing, "Climategate and the American Physical Society", Stephen Hsu,
infoproc.blogspot.com/2009/12/climategate-and-american-physical.html (APS member, email)

12/04/09 (=) MIT Technology Review, "Climategate and the American Physical Society", Stephen Hsu,
www.technologyreview.com/blog/post.aspx?bid=354&bpid=24483 (same as previous)

12/04/09 (-) Rabett Run, "Dear Fellow Member of the American Physical Society", "Eli Rabett",
rabett.blogspot.com/2009/12/dear-fellow-member-of-american-physical.html (APS member, email)

12/04/09 (+) Climate Realists,"Climategate and the American Physical Society", Co2skeptic
climaterealists.com/index.php?id=4551 (copy from technologyreview earlier.)

12/04/09 (+) Google Groups alt.globalwarming, "Climategate and the American Physical Society," James, groups.google.com/group/alt.global-warming/browse_thread/thread/57c7638259b375e0/77d5a6e99e02340d?hide_quotes=no (unspecified, but probably previous)

12/05/09 (+) Bishop Hill, "More cracks in the façade," "Englishman who lives in rural Scotland", bishophill.squarespace.com/blog/2009/12/5/more-cracks-in-the-facade.html (unspecified)

12/05/09 (+) Celestial Junk, "General Letter to the APS," Paul & Junker, cjunk.blogspot.com/2009/12/general-letter-as-sent-to-members-of.html, (unspecified)

12/06/09 (+) American Thinker, "Members of American Physical Society takes [sic] a stand against scientific fraud," Clarice Feldman, www.americanthinker.com/blog/2009/12/american_physical_society_take.html (Rick Ballard)

12/07/09 (+) The Volokh Conspiracy, 'Physicists Ask American Society to Rescind Its Statement on Global Warming Because it Was Based on "Cheat[ing]" and "Corrupted" Work', Jim Lingren, volokh.com/2009/12/07/physicists-ask-americal-physical-society-to-rescind-its-statement-on-global-warming-because-it-was-based-on-cheating-and-corrupted-work (Bishop Hill)

12/07/09 (+) Netizen News Brief, "American Physical Society takes a stand against scientific fraud," ??, netizennewsbrief.blogspot.com/2009/12/american-physical-society-takes-stand.html (unspecified,Volokh?)

12/07/09 (+) Boulderisstupid, "Discontent at the American Physical Society," ??, boulderisstoopid.blogspot.com/2009/12/discontent-at-american-physical-society.html (unspecified)

12/07/09 (+) tomnelson, "The Volokh ConspiracyPhysicists Ask American Society to Rescind Its Statement on Global Warming Because it Was Based on "Cheat[ing]" and "Corrupted" Work", Tom Nelson, tomnelson.blogspot.com/2009/12/cbc-news-st.html (pointer to Volokh article)

12/07/09 (+) The Union News, "Climate Change Zombie Update," ??, theunionnews.blogspot.com/2009/12/climate-change-zombie-update.html (Bishop Hill)12/07

12/07/09 (=/-) Post Carbon, "Contrarians at the climate-gate,", Julie Eilperin, views.washingtonpost.com/climate-change/post-carbon/2009/12/climategate.html, (unspecified, but a serious article, rather than just a repost)

12/07/09 (+) Phasing, "Members of the American Physical Society take a stand against Climategate," ?? phasing.org/2009/12/07/members-of-the-american-physical-society-take-a-stand-against-climategate, (American Thinker via ECM)

A.6 – Maps

This Appendix shows "maps" from funders (O1-O2), from **A.2** versus organizations from **A.3**, primarily think tanks (O6). Since many think tanks do not discuss funding sources, foundation funding records are useful, but incomplete hints, as direct corporate funding is mostly unfindable. With more time, I would do year-by-year comparisons of more think tanks to see how much money is "missing", with one example shown in **A.3 GMI** section.. **[UCS2007]** did a good analysis of **ExxonMobil** Educational funding, and [**MMAN]** has scoured "990" forms for much foundation funding.

I extracted data from those to create **Table A6.1 (a-c)** on next 3 pages.

Tobacco connections are oddly important, mostly from **[Sourcewatch].** **ExxonMobil** (O1) and various family foundations (O2) are listed along the left, with "known" oil-related ones in **Bold**. Since it is very difficult to find current investments behind family foundations, more could easily be fossil-related. The 4 **Scaife**-related and 3 **Koch**-related lines are grouped together, and with the next 3, form the 10 who have together funded many think tanks. **Fig 2.7a** shows entities that either participated in **GCSCT1998** or are/were members of the **Cooler Heads Coaltion.** . The group in gray (**CEI, Fraser, GMI/SEPP)**, most strongly involved in creating the **Wegman** effort, and the next group of 5 has been fairly active in climate anti-science. The others are shown for context, dropping a few of the smaller ones from **[MMAN].**

Many think tanks manage to be 501(c)(3) tax-free organizations, even though some seem more like PR agencies/lobbyists en.wikipedia.org/wiki/501%28c%29.

For example, **GMI** is a 501(c)3 organization, and the reader can see its 2007 "990" form:
www.marshall.org/category.php?id=6 says:
"The Marshall Institute seeks to counter this trend by providing policymakers with rigorous, clearly written and unbiased technical analyses on a range of public policy issues. Through briefings to the press, publication programs, speaking tours and public forums, the Institute seeks to preserve the integrity of science and promote scientific literacy."
dynamodata.fdncenter.org/990_pdf_archive/222/222569466/222569466_200612_990.pdf

One can assess its history soon **[ORE2010]** its recent activities by examining records of its various Roundtables, and sponsorship of meetings with politicians and their staffs. Its CEO **O'keefe** is a 25-year veteran of API (American Petroleum Institute), and writes often about climate, which must qualify as "unbiased technical analysis."

GMI's 2007 "990 form" shows $964K revenue, whereas [MMAN] shows $465K, so about $500K comes from other sources, probably corporations.

dynamodata.fdncenter.org/990_pdf_archive/222/222569466/222569466_200612_990.pdf
mediamattersaction.org/transparency/organization/George_C_Marshall_Institute/funders?year=2007

TableA.6.1 (a) Funders X Organizations, data mostly 1989-2007 [MMAN]														
ExxonMobil(UCS): [UCS2007], Appendix B. Bold funders: oil connection. Tobacco: Sourcewatch.														
*1 TASSC/junkscience.com:Steve Milloy; *2 FoF/CSPP=>SPPI:Rob Ferguson; *3 Myron Ebell														
Funder, $,1000s	***CEI***	***Fraser***	***GMI***	***SEPP***	***CFACT***	***FoF/CSP***	***Heartlar***	***SPPI *2***	***TASSC***	***ATR***	***Heritage***	***NCPA***	***PRI***	***TII***
Tobacco	X	X	X	X		X	X		X	X	X		X	X
GCSCT1998	X		X	X	X	*2			X	X				
CHC (Cooler Heads)	*3	X	X		X	*2	X	*2	*1	X	X	X	X	X
ExxonMobil(UCS)	2005	120	630	20	472	1002	561		50		460	421		70
ExxonMobil	1690	120	640		467	1127	531				385	520	540	70
Allegheny											100			
Carthage	60	50	707		1205	35	10			325	2559	525		
Sarah Scaife	2240	225	2785		375	100	325			375	21235	1760	3072	
Scaife Family	350										703	100		
Charles G. Koch	15	18					38				78	7	370	
Claude R. Lambe	336	30	30			25	40			60	3194	340	385	
David H. Koch	315											260	401	160
Earhart	120		270			100					10	100	184	111
John M. Olin(-2005)	230	10	360			125	40			525	8071	1069	735	65
L&H Bradley	900	95	3590			48				223	14256	1597	900	
Armstrong	65					4	25			2	270	435	67	50
B&B Seid	343						1038				5			
Brady Education			1								14		22	
C.&W. Kohler							190					230		25
Castle Rock	165						70				2949	120	225	125
F.M.Kirby											985			
Gilder										5	1	265		
G. & M. Cain	5											1000		
Hickory							13					584	69	
Jacqueline Hume	50						166				375	150	649	123
JM	80						82			25	135	100	55	
John Templeton	1	500					623				1008		100	727
OD&RA Merillat											150		365	
P. M . McKenna	45										925	70		
R & H Devos											3300			
Randolph	206													
Rodney Fund	49						115				62			121
Roe	60					7	39			30	831	11	106	
R&L Peters										30	195	52	552	
S. Roberts Noble						100					13000	50		
S. C. Davis	100									3	45	20	30	
Smith Richardson														
Walton Family							400			658	45	25	325	
William E Simon										10	527		444	106
W. H. Donner	87					35				35	245	225	785	40
Totals	7325	1048	8383		2047	1671	3345			1600	74796	9345	8797	1577

ExxonMobil(UCS): [UCS2007], Appendix B. Bold funders: oil connection. Tobacco: Sourcewatch.												
Funder, $,1000s	***ACSH***	***AEI***	***ALEC***	***AnnapC***	***Atlas***	***CATO***	***Comwlth***	***CSCDGC***	***ELC***	***GMU***	***Hoover***	***Hudson***
Tobacco		**X**	**X**			**X**						
GCSCT1998												
CHC (Cooler Heads)												
ExxonMobil(UCS)	125	1625	1170	763	680	105		90			295	
ExxonMobil	140	1910			867	110		75	50	230	110	10
Allegheny							40					
Carthage		900			1145	245	10			10	1198	825
Sarah Scaife	205	6436			1920	1947	1917	100	675	5381	9845	3023
Scaife Family		590					227					221
Charles G. Koch					119	14	33		238	19673	5	
Claude R. Lambe	45				28	9300				4086		13
David H. Koch	6					4043				1750		20
Earhart	157	549			2695	393			60	1192	330	92
John M. Olin(-2005)	915	7647			5	832			150	6266	4991	2810
L&H Bradley	155	17144			194	1057	186			2393	2693	6897
Armstrong	12					65			20	65		10
B&B Seid		10				428						
Brady Education		5032								3132		75
C.&W. Kohler												70
Castle Rock		515				300				740	25	115
F.M.Kirby	322	154				207						182
Gilder	5					375				12		10
G. & M. Cain						400					10	
Hickory												
Jacqueline Hume		150				150	154					5
JM	915	60			100	125	45			44	260	75
John Templeton		426			4059	240				513		335
OD&RA Merillat												
P. M . McKenna		110			10		1057			221		
R & H Devos		65										
Randolph		65									50	
Rodney Fund						679						
Roe					187	37	78			27		
R&L Peters		35			78	13	42			40		
S. Roberts Noble	27									26	35	25
S. C. Davis					293	5				74	3200	365
Smith Richardson		8065			504	50				344	2846	3263
Walton Family		108				27				10	3823	150
William E Simon		337			5					75	180	36
W. H. Donner		285			230	135	99		183	57	145	787
Totals	2904	41798			11407	20960	3789	175	1193	45801	19552	14813

TableA.6.1 (c) Funders X Organizations, data mostly 1989-2007 [MMAN]									
ExxonMobil(UCS): [UCS2007], Appendix B. Bold funders: oil connection. Tobacco: Sourcewatch.									
Funder,	Manhat	Mercatu	NCPPR	PLF	Reason	TechCtS	WLF	Totals	
Tobacco	X			X	X		X		
GCSCT1998									
CHC (Cooler Heads)									
ExxonMobil(UCS)		80	280			95		11119	
ExxonMobil	265	200	390	125	105		250	10927	
Allegheny							200	140	
Carthage	693			700	366		3060	8984	
Sarah Scaife	3815	320		3105	1791		610	60918	
Scaife Family	25				136			1970	
Charles G. Koch		8024		10	57		2	20608	
Claude R. Lambe	1125				807		1105	17899	
David H. Koch	50				1522			6935	
Earhart	465	53		10	10			6271	
John M. Olin(-2005)	58990			665	276		1885	32036	
L&H Bradley	3727	10		327	962		437	45431	
Armstrong	49	65	5	75	30		140	1465	
B&B Seid								1824	
Brady Education	820				2			8201	
C.&W. Kohler								445	
Castle Rock	140			695	100			5234	
F.M.Kirby	462			175			175	1668	
Gilder	930				22			663	
G. & M. Cain	2	20	10		20			1415	
Hickory	151							666	
Jacqueline Hume	750			210	10			1967	
JM	100				75		60	2026	
John Templeton	755	500		10				8197	
OD&RA Merillat								515	
P. M . McKenna				40			34	2438	
R & H Devos				1				3365	
Randolph	78							321	
Rodney Fund		42			107		45	1026	
Roe	18	35		7	165			1413	
R&L Peters	24				176			1037	
S. Roberts Noble							325	13238	
S. C. Davis	475	80						3770	
Smith Richardson	2291				100			11809	
Walton Family	396							5421	
William E Simon	1084				90		10	1684	
W. H. Donner	378						150	2586	
Totals	73434	9269	405	6155	6739	0	8328	267513	

A.7+ Detailed Per-Person Notes, Alphabetical

This Appendix is an alphabetical list of relevant people mentioned here, with (sometimes rough) working notes for each person. Some was derived from **[MAS2009]**, hopefully editing away irrelevant material. I f I missed deleting dangling references, look there.

John Adams+
John Adams Associates (O3, maybe O4)
www.johnadams.com/
"is a highly-experienced, full service, independent public affairs and issues management firm dedicated to bringing strategic insight and tactical know-how to clients' individual needs. Our partnership in The WORLDCOM Group, the largest international network of public affairs firms, teams us with more than 1,700 professionals in every important market worldwide."
He was a **GCSCT**1998 team member.

Jay Ambrose+
He was director of editorial policy for Scripps Howard newspapers, was at 11/18/2003 **GMI** meeting.
www.i2i.org/main/author.php?author_id=98
"He has been a media fellow at the Hoover Institute at Stanford University."
Opinion: he was probably invited in hopes of getting press coverage.

Bruce N. Ames+
***GMI** Director at least 12/21/96-02/16/96.*
web.archive.org/web/20051126075641/www.marshall.org/experts.php?id=40
"Bruce N. Ames is Professor of Biochemistry and Molecular Biology and Director of the National Institute of Environmental Health Sciences Center at the University of California, Berkeley and Senior Research Scientist at Children's Hospital in Oakland. He is a member of the National Academy of Sciences and is the author of 450 scientific publications. Internationally known as the developer of the "Ames test" for determining potential carcinogens, Dr. Ames has recently focused his research on the relationship between diet and carcinogens."

*This might seem an odd choice, but one must recall **Seitz**'s connections with tobacco companies.*
www.sourcewatch.org/index.php?title=Bruce_Ames
***SEPP** Director, **TASSC** Scientific Advisory Board Member, **NCPA** Senior Fellow, **CFACT** Advisory Board.*
***Contrib:** R'00-'08, R: $40,850 (spread very widely)*
www.newsmeat.com/fec/bystate_detail.php?city=Berkley&st=CA&last=ames&first=bruce
www.newsmeat.com/fec/bystate_detail.php?st=CA&last=ames&first=bruce&city=Berkeley (2 pages)

Robert H. Austin+
Professor of Physics
Princeton University
Fellow APS, AAAS; APS Council: 1991-1994, 2007-2010
Member National Academy of Sciences, American Association of Arts and Sciences
***Fields:** Biophysics; DNA; biomolecules; microlithography*
***Locations:** NJ; Princeton*
***Employers:** Princeton U*
***Connections: Happer** (same department); Executive Committee for PRISM, in which **Torquato** and **Suckewer** are involved.*
***Notes:** Hope College, MI BA 1968; U off Illinois Physics MS 1970 PhD 1975*
Postdoc Uofl, then MaxPlanck Goettingen; Princeton 1979-
***Austin**group.princeton.edu/*
*www.zoominfo.com/Search/ReferencesView.aspx?PersonID=447675&lastName=**Austin**&firstName=Robert&searchSource=page&page=5*
*www.princeton.edu/physics/people/faculty/robert-**Austin**/*

*www.zoominfo.com/people/**Austin**_Robert_447675.aspx*
www.princeton.edu/pr/catalog/gsa/06/351.htm
epw.senate.gov/public/index.cfm?FuseAction=Minority.Blogs&ContentRecord_id=10FE77B0-802A-23AD-4DF1-FC38ED4F85E3
*"'Unfortunately, Climate Science has become Political Science…It is tragic that some perhaps well-meaning but politically motivated scientists who should know better have whipped up a global frenzy about a phenomena which is statistically questionable at best," **Austin** told the minority staff on the Environment and Public Works Committee on March 2, 2009."*

*He is a General Councillor on the APS Council (helpful for presenting petitions, perhaps), and it seems plausible that **Happer** recruited him recently, but he is clearly an active recruit.*

Dennis Avery+
http://www.sourcewatch.org/index.php?title=Dennis_Avery
Hudson Institute.
Coauthored **[SIN2007]** with **Singer**.

Sallie Baliunas+
Harvard-Smithsonian Center for Astrophysics
***Fields:** Astrophysics*
***Locations:** MA*
***Employers:** Harvard-Smithsonian Center for Astrophysics*
***Connections:** Often writes with **Soon**. Writes for **GMI, Heartland.** Got Astrophysics MS and PhD same years as **Michaels**, and was Contributing Editor for his blog.*
*1990 Nature paper, 1997 paper in The Explorer's Journal with **Jastrow;** was Deputy Director @ Mount Wilson Observatory, starting 1989, and ending no later than 2003, overlapped with **Jastrow**, who was Director 1992-2003. Was **GMI** Director, at least 12/21/96-03/13/05. <Y#>*
*Overlaps @ H-S CfA **with Cranmer, Zombeck,** probably **Lombardi.***
***CFACT** Advisory Board (with **Hayden**, **Michaels**, **Seitz**); Greening Earth Society 1998-2001; Scientific Alliance; Statistical Assessment Service.*
*Spoke at **Stilbs'** conference in Stockholm, with **Soon**, and **Singer**.*
***Notes:** Harvard, Astrophysics, MA 1975, PhD 1980. (Identical years to **Michaels**)*
*en.wikipedia.org/wiki/Sallie_**Baliunas***
www.marshall.org/experts.php?id=38
www.sourcewatch.org/index.php?title=Sallie_L._Baliuna
www.exxonsecrets.org/html/personfactsheet.php?id=3
www.reason.com/news/show/30760.html
www.highbeam.com/doc/1P1-53868734.html
www.sourcewatch.org/index.php?title=Sallie_L._**Baliunas**

Has written many astrophysics papers, but sometimes climate ones, generally ascribing warming to solar, or anything but GHGs. Some papers have not stood up well. She has written many more non-peer-reviewed pieces.
***Contrib:** D96, R96-00; R:$3,000, D:$1,000*
www.newsmeat.com/fec/bystate_detail.php?city=TOPSFIELD&st=MA&last=baliunas

Rep. Joe Barton+ (R-TX)
Was Chairman, House Energy&Commerce, 2004-2006.
archives.energycommerce.house.gov/reparchives/108/Hearings/07272006hearing2001/The_Honorable_Joe_Barton.htm
www.opensecrets.org/politicians/industries.php?cycle=Career&cid=N00005656&type=C
By contributions, Oil&Gas is #1, Electric Utilities is #2.

O6/23/05 **Barton** and **Whitfield** wrote letter to Pachauri, Bement, Mann, Bradley, Hughes
republicans.energycommerce.house.gov/108/Letters/06232005_1570.htm current; original is:
web.archive.org/web/20050624174711/energycommerce.house.gov/108/Letters/06232005_1570.htm

06/24/05 The 5 PDF files there were created by **McGinley** (Energy&Commerce staff)) on Friday afternoon between 4:11PM and 4:15PM, and placed on the website. By 5:47PM, **Ebell** had mailed the set of files to one or more people, at least **Perhach** in the White House:
www.slideshare.net/whitehouse/cei-email-62405
That seems like an email from **Ebell** to **Ebell**, but people commonly create a blind-copy list (**BCC:**), then set the **To:** field to their own email address, as some email systems require at least one such.

*Q: Did **Ebell** know to be looking for this, and if so, how and when?*
*Q: Would **McGInle** email logs be interesting.*
*Q: Would the BCC list on **Ebell**'s email be interesting?*
Q: is it normal House practice when requesting information to:
1) make such requests public almost instantly, before recipients could even confirm receipt?
2) do so before anyone could possibly respond, and
3) perhaps before recipients have even seen them? Especially if they were away.
4) to not also use email?
So, **Ebell**, **Perhach**, and some set of people had email copies
Q: Is this a legitimate inquiry, or PR?

"Questions have been raised, according to a February 14, 2005 article in *The Wall Street Journal*, about the significance of methodological flaws and data errors in studies you co-authored of the historical record of temperatures and climate change."
Questions were to be directed to **Peter Spencer**.

*Q: this is fascinating. Does the House get its science from the **WSJ**? More to the point, this seems like meme-laundering*, because **Inhofe** knew about this no later than 02/10/05 panel hosted by **GMI** with **Ebell** (**CEI**), **Horner** (**CEI**), **O'Keefe** (**CEI**), and **Wheeler** (EPW Staff Director/Chief Counsel)
www.marshall.org/pdf/materials/300.pdf
"The Senator will present four short speeches questioning the four pillars on which the alarmist view of climate change is based: the 2001 National Academy of Sciences report, the IPCC's reliance on Michael Mann's discredited "hockey stick" model, the Arctic climate impact assessment report, and the flawed data produced by climate models." p.10.
That was 02/10/05, 4 days before the **WSJ** article appeared. **Inhofe** was already gearing to attack Mann.
*Q: Could that timing have been random coincidence? Do **Inhofe** and **GMI** know no one at **WSJ**?*
*Q: The letters came out more than 4 months later. Is it plausible that **Barton** had to learn of this from the **WSJ**? Had he gone more than 4 months without talking to **Inhofe**, even though they were running the corresponding committees House and Senate?*
*Q: Who wrote the technical parts of these letters for **Barton** and **Whitfield**?*

"However, in recent peer-reviewed articles in *Science*, *Geophysical Research Letters*, *Energy & Environment,* among others, researchers question the results of this work."

E&E is not generally peer-reviewed, and is of such low repute that it is not listed in WebofScience or anything else serious. It has the key MM articles. Hence, this statement is at best incorrect.
GRL is a Letters Journal, so it does editorial board review, but not necessarily full peer-review, and those are different. I do not know what they did in this case. In any case, knoweldgable people think peer review is just the first hurdle, not a guarantee of correctness.
*The "researchers" are mostly **McKtitrick** and **McIntyre,** who both became **GMI** "Experts" early 2004.*

Sonja Boehmer-Christiansen+
Editor (with **Peiser**) of **E&E** (Energy and Environment)
en.wikipedia.org/wiki/Sonja_Boehmer-Christiansen
www.multi-science.co.uk/ee.htm
www.globalwarmingheartland.com/expert.cfm?expertId=133
Much climate anti-science has been published here, that would not survive peer review, or even editorial review in credible journals. That does not mean every paper is poor, but It is and is generally considered

"gray" and not listed in the Web of Science. Several key **McIntyre**& **McKitrick** papers were published here, later referenced in Wegman Report. **Barton+Wakefield** letters claimed that **E&E** was "peer-reviewed."
Q: It might be nice to ask her about peer review there, and also, how this is funded.

www.desmogblog.com/sonja-boehmer-christiansen says***:***
"In a 1995 article written by Paul Thacker, *Energy and Environment* was described as being a journal skeptics can go to when they are rejected by the mainstream peer-reviewed science publications. Boehmer-Christiansen explained at the time that "it's only we climate skeptics who have to look for little journals and little publishers like mine to even get published." According to a search of WorldCat, a database of libraries, the journal is carried in only 25 libraries worldwide. And the journal is not included in Journal Citation Reports, which lists the impact factors for the top 6000 peer-reviewed journals."

L. Francis (Lynn) Bouchey+
www.sourcewatch.org/index.php?title=L._Francis_Bouchey
He was a **GCSCT**1998 team member, and was involved with **FoF**.

Gregory H. Canavan+
Senior Fellow and Scientific Advisor,
Los Alamos National Laboratory
Fellow APS
Fields: *Defense*
Locations: *NM*
Employers: *DOE; LANL*
Connections: *Director **GMI**, at least 08/23/04-current**.** Papers with **Judd**. Likely would have known **Happer**, **Jastrow, Nierenberg, Seitz** for years before1 that.. He fought for laser fusion efforts @ **LLNL**, through 1980, so likely would have known laser fusion researcher Lindl, who joined there in 1972.*
Notes: *PhD UC Davis (1969)*
DOE; Air Force LANL 1981-; missiles, defense against debris.
Director, George C. Marshall Institute
www.marshall.org/experts.php?id=62
"Gregory Canavan works in the Physics Division Office of the Los Alamos National Laboratory. In January 2000 he was elected an APS Fellow through the Forum on Physics and Society for his contributions leading to the improvement of military science and technology and for leadership in the transfer of remote sensing and communications technologies to the scientific, civilian and commercial sectors. Dr. Canavan received his Ph.D. in Applied Science from the University of California, Davis in 1969 and came to Los Alamos in 1981 after serving as the director of the Office of Inertial Fusion at the Department of Energy and as a deputy to the Air Force Chief of Staff."
www.eecg.utoronto.ca/~prall/climate/skeptic_authors_table_by_clim.html
"Greg Canavan was chief administrator of IFE in the Department of Energy…there was an effort to move the IFE budget into magnetic fusion. In Canavan's fight to keep IFE alive, he called on Teller…"
From Introductory Remarks to the "Edward Teller Lectures.", Heinrich Hora and George H. Miley. IFE = Internal Fusion Energy.
Contrib: *D91-02,* D:$2,815, (All for Sen. Jeff Bingaman)
www.newsmeat.com/fec/bystate_detail.php?st=NM&last=canavan&first=gregory

John R. Christy+
U of Alabama – Huntsville Atmospheric Science
Fields: *Climate science*
Locations: *AL*
Employers: *U of Alabama - Huntsville*
Connections: *Often writes with **Spencer**; including paper for **GMI** in 1990. Has written with **Singer**, **Douglass.***
*Wrote paper for **GMI** in 1990.*
***Alexander** thanked **Christy** for answering questions.*
Notes: *U of Illinois atmospheric sciences PhD*

en.wikipedia.org/wiki/John_**Christy**
www.nsstc.uah.edu/atmos/christy.html
groups.google.com/group/alt.global-warming/msg/fffc35e6381bdc36
Opinion: He has done much serious work, but then was simply wrong about satellite temperature trends, and lately, has shifted to serious anti-science and personal attacks:
***http://**www.americanthinker.com/2009/12/a_climatology_conspiracy.html*

***Contrib:** R03, www.newsmeat.com/fec/bystate_detail.php?st=AL&last=christy&first=john*

Thomas L. Clancy+, Jr
Famous author, of course.
Director, **GMI**, at least 11/07/01-03/19/08
Contrib: R'88-'08, R: $61,250
www.newsmeat.com/fec/bystate_result.php?last=clancy&first=thomas (all 4 MD locations)

Peter Cleary+
www.sourcewatch.org/index.php?title=Peter_Cleary
GCSCT1998 team member representing **ATR.**

Jerry L. Coffey+
www.rpvnetwork.org/profile/DrJerryLCoffey
RPV is Republican Party of Virginia, including references to Tea Party Patriots. **[SAI2007],** p. 3 says:
"Dr. Edward Wegman was approached by Dr. Jerry Coffey on 1 September 2005 concerning possible testimony in Congress about a statistical issue associated with paleoclimate reconstruction.
– This approach was based on independent recommendations from Dr. Fritz Scheuren, ASA 100th President and from the National Academy of Science where Dr. Wegman chaired CATS."

Q: This seems odd. Why would Congress not ask candidates directly, or through ASA or NAS?
*Q: This seems to imply that Scheuren or NAS recommended **Wegman**. Maybe they recommended the general approach and the **Wegman** choice was implied as theirs?*

Coffey made several interesting comments in a October 2009 thread:
www.personalliberty.com/news/study-suggests-gun-possession-may-not-protect-against-assault-19409715/
www.personalliberty.com/news/study-suggests-gun-possession-may-not-protect-against-assault-19409715/#comment-40161 :
"I guess the best evidence of that is the Gore global warming boondoggle (in the early 1980s I was the reviewer for the US climate change program)."
www.personalliberty.com/news/study-suggests-gun-possession-may-not-protect-against-assault-19409715/#comment-40314 :
"My favorite short read on global warming is Lawrence Solomon's "The Deniers." I particularly enjoyed the chapter on Ed Wegman since I had a ringside seat when Ed's analysis got started. Others books you might enjoy are the last couple by Patrick Michaels; Fred Singer and Dennis Avery on the 1500 year cycle; and Spencer's latest. Most of the books on the subject are complex and almost always incomplete to some degree. One of the points Solomon really nails is the reluctance of real experts to challenge theories that are outside their area of expertise.
I was depressed to discover in an NAS/NRC meeting last year that most of the people who seemed to understand what was happening were gray-haired old farts like me. (JohnW will probably zing me for admitting that I sometimes attend NAS/NRC meetings.)
But there may still be hope. My money (if I had any) would be on the latest iteration of the Svensmark Galactic Cosmic Ray theory and the CLOUD9 experiment at CERN."

I've previously read **[SOL2008], [MIC2008a], [MIC2009], [SIN2007],** and they have a clear point of view.
*Q: Why was someone with this viewpoint was chosen to contact **Wegman**?*

Philip Cooney+

en.wikipedia.org/wiki/Philip_Cooney
He was a lobbyist for API, joined the GWBush administration, was Chief of Staff for the Council on Environmental Quality (see **Perhach**), and well-known for allegedly altering scientific documents, resigning, and then joining **ExxonMobil**.

Candace Crandall+
www.sourcewatch.org/index.php?title=Candace_C._Crandall
From May 1990 to February 2001 she was married to **SINGER** and helped him with **SEPP,** including participating in the 1998 **GCSCT1998** project. She has been an Adjunct Fellow for **NCPPR**.

James Delingpole+ ***(B1c) (UK)***
He writes for the Daily Telegraph, very active with regard to "Climategate".
http:*//blogs.telegraph.co.uk/news/jamesdelingpole/100021135/climategate-michael-manns-very-unhappy-new-year*
He writes of himself:
"James Delingpole is a writer, journalist and broadcaster who is right about everything. He is the author of numerous fantastically entertaining books including Welcome To Obamaland: I've Seen Your Future And It Doesn't Work, How To Be Right, and the Coward series of WWII adventure novels. His website is www.jamesdelingpole.com."
He spoke at **EUR2009**, with **McKitrick** and **Singer**.

Matt Dempsey+
Senate EPW (**Inhofe**), since 2003.Deputy Press Secretary ➔ Press Secretary ➔ Communications Director
One of **Morano**'s replacements.
http://www.legistorm.com/person/Matthew_C_Dempsey/7970.html
See also **Lungren**.

David H. Douglass+
Professor of Physics
University of Rochester
Fellow APS
Fields: *Condensed matter physics; superconductivity*
Locations: *NY-Rochester*
Employers: *U of Rochester*
Connections: Knox; Sproull
Papers with ***Christy***, ***Singer***, ***Michaels; Heartland*** *"expert";* ***Heartland*** *Conference Speaker 2008, 2009*
Notes: *MIT PhD; U of Chicago; U of Rochester 1969-*
CATO *2009 LETTER;* ***Heartland*** *"Expert";* ***Heartland*** *2009 speaker*
Rarely do scientists switch fields drastically at/near retirement and then quickly demolish the total mainstream accumulated results of a different field. But sometimes they try.
www.pas.rochester.edu/~douglass/
www.pas.rochester.edu/~douglass/recent-publications.html has URLs for most papers.
Climate pubs: starting ~2001, has published a handful of papers, often with* ***Christy*, ***Knox, Michaels*** *or* ***Singer****, sometimes refuted fairly quickly.*
His C.V. list has links to most of the papers, so I have not replicated the links here.

2002 ***Douglass****, Clader*
www.pas.rochester.edu/~douglass/papers/DouglassClader_GRL.pdf
They acknowledge "many useful discussions with Sallie ***Baliunas****, John* ***Christy****, Paul Knappenberger, Robert* ***Knox****, Judith Lean, and Patrick* ***Michaels****." Knappenberger was a student of* ***Michaels****, has worked at* ***Michaels****' New Hope Environmental Services, and writes frequently for* ***CATO****.*
www.sourcewatch.org/index.php?title=Chip_Knappenberger
NRL's Judith Lean is a well-respected scientist. Otherwise, this list is not very encouraging.

2003 ***Douglass****, Clader,* ***Christy****,* ***Michaels****, Belsley*

www.pas.rochester.edu/~douglass/papers/CR%20paper%20of%20Douglass%20et%20al..pdf
This was published in Climate Research, under editor Chris deFreitas.
en.wikipedia.org/wiki/Chris_de_Freitas
www.desmogblog.com/chris-dde-freitas

*2004 **Douglass**, Pearson, **Singer***
www.pas.rochester.edu/~douglass/papers/2004GL020103_altitude.pdf
*2004 **Douglass**, Pearson, **Singer**, Knappenberger, **Michaels***
www.pas.rochester.edu/~douglass/papers/2004GL020212_disparity.pdf

*Most of the two above depended on **Christy**/**Spencer** UAH satellite temperature records, to claim models and surface trends were wrong. Serious errors were found in the UAH software, and when fixed, they now agreed much better with the surface, models, and other satellite analyses. For many years, **Singer** and others had claimed that the surface records were wrong, due to the UAH satellite analyses.*

*2005 **Douglass**, **Knox***
www.pas.rochester.edu/~douglass/papers/2004GL022119_Pinatubo.pdf
Rebuttal: climate.envsci.rutgers.edu/pdf/DouglassKnoxComment2005GL023287.pdf
"Douglass and Knox [2005, hereinafter referred to as DK] present a confusing and erroneous description of climate feedbacks and the climate response to the 1991 Mt. Pinatubo eruption. Their conclusions of a negative climate feedback and small climate sensitivity to volcanic forcing are not supported by their arguments or the observational evidence…" "Their failure to properly account for the entire climate system has led them to derive a climate sensitivity and response time that are much too small."
Replies: www.pas.rochester.edu/~douglass/papers/reply_Robock_2005GL023829.pdf
www.pas.rochester.edu/~douglass/papers/reply_WAST_2005GL023695.pdf
I'm not going to try analyzing all that, but both rebuttal papers are written by climate scientists with credible publications and many citations.

*2007 **Douglass**, **Christy**, Pearson, **Singer***
www.pas.rochester.edu/~douglass/papers/Published%20JOC1651.pdf
Comments: www.realclimate.org/index.php/archives/2007/12/tropical-troposphere-trends/
*www.realclimate.org/wiki/index.php?title=David_H._Douglass%2C_John_R._**Christy**%2C_Benjamin_D._Pearson%2C_S._Fred_**Singer*** (blog(
www.realclimate.org/index.php/archives/2008/10/tropical-tropopshere-iii includes pointer to journal
Conclusion: bad statistics on part of DCPS, among other things.
This is a good example of the process.
A paper appears, 'disproving" the models, and it gets widely touted in blogs and elsewhere.
If it has serious errors, most scientists do not bother, but it might get refuted quickly in blogs, but it takes much longer to write a refutation paper, submit it, and get it published. It does not matter how strongly it is refuted, because it will get referenced (primarily by a related small set of authors), and endlessly in non-refereed places. Search for the following with both Google and Google Scholar:
douglass christy pearson singer comparison tropical temperature trends with model predictions
Google yields a large number of hits, many using it to claim models wrong.
*It is the first hit in Google Scholar, which gives it a Citation Count of 25, not many, given that some references were just from websites, many were from the authors or other people listed here in **Bold**, and a few were refutations, or explanations why some of the data they used had been redone.*
*Lately**, Douglass&Christy** has been doing serious personal attacks, via extra-science routes:*
***http:**//www.americanthinker.com/2009/12/a_climatology_conspiracy.html*

*2009 **Douglass**, **Christy***
www.pas.rochester.edu/~douglass/papers/E&E%20douglass_christy-color.pd
*This is an **E&E**. paper that claims to disprove **IPCC** AR4's well-established claims for greenhouse gases.*

*Conjecture: after a long (and reasonably productive) career doing condensed matter, superconductivity, other physics research, **Douglass** switched much effort to climate science, with papers trying (unsuccessfully) to disprove various aspects of mainstream science. They usually get refuted, if anyone*

cares, but they do not get referenced very much in credible peer-reviewed journals. Errors seem to go in one direction, but then, ***Douglass*** *has been doing talks and papers for* ***Heartland****, also. All this is possibly an indirect outcome of* ***GCSCT1998****, via GMI➔****SprouII*** *➔* ***Knox****,i.e.*
""Identify, recruit and train a team of five independent scientists to participate in media outreach. These will be individuals who do not have a long history of visibility and/or participation in the climate change debate."

Myron Ebell+
CEI and **CHC**
cei.org/people/myron-ebell
www.sourcewatch.org/index.php?title=Myron_Ebell
en.wikipedia.org/wiki/Myron_Ebell
He was a key person in promoting **McKitrick, Essex&McKitrick**, and then **McIntyre** to Washington, DC.
Wikipedia says:
"In 2000, Ebell was a plaintiff, along with several members of Congress, including Sen. James Inhofe (R, OK), who sued the National Science and Technology Council, President Bill Clinton, and the director of the White House Office of Science and Technology Policy. In the lawsuit, the plaintiffs asserted that the National Assessment on Climate Change report—which details likely state-by-state consequences of anthropogenic climate change—violated several federal open-meeting, appropriations and research statutes." *I don't yet have a reference for that.*

See **A.9.6** sequence of emails, which certainly hints at close relationships with Perhach, and probably **McGinley** (on **Barton's** staff).

James E. Enstrom+
Research Professor Jonsson Comprehensive Cancer Center University of California at Los Angeles
Life Member APS
Fields: *Epidemiology*
Locations: *CA*
Employers: *UCLA*
Groups: *ACSH*
Connections: Singer, Nichols *via* ***ACSH****;* ***Starr?*** *work for* ***EPRI,*** *showing particulates have little effect.*
Notes: *Harvey Mudd College BS 1965, Stanford Physics PhD 1970, (Meson decay, was at Lawrence Radiation Lab (i.e., LBNL), UCLA MPH (Master Public Health), then epidemiology.*
Epidemiologist, accepted funding from Philip Morris, and found that secondhand smoke was not so bad.
www.sourcewatch.org/index.php?title=James_E._Enstrom
He was (2004)/ is(?) Trustee of ***ACSH****, American Council on Science and Health*
www.sourcewatch.org/index.php?title=American_Council_on_Science_and_Health
But he has rebuttals, and entire website is interesting:
www.scientificintegrityinstitute.org/
Contrib: *R98-09**, RNC, Bush, McCain, many,*
www.newsmeat.com/fec/bystate_detail.php?st=CA&last=enstrom&first=james

Christopher Essex+
Professor of Applied Mathematics, U of Western Ontario
www.apmaths.uwo.ca/people/cessex.shtml
www.apmaths.uwo.ca/~essex/
Co-author **[ESS2002].**

Robert Ferguson+
President **SPPI,** previously with **FoF/CSPP**
www.sourcewatch.org/index.php?title=Robert_Ferguson_%28Science_and_Public_Policy_Institute%29
scienceandpublicpolicy.org
"Robert Ferguson has 26 years of Capitol Hill experience, having worked in both the House and Senate. He served in the House Republican Study Committee, the Senate Republican Policy Committee; as Chief of Staff to Congressman Jack Fields (R-TX) from 1981-1997, Chief of Staff to Congressman John E. Peterson (R-PA) from 1997-2002 and Chief of Staff to Congressman Rick Renzi (R-AZ) in 2002. He has considerable

policy experience in climate change science, mercury science, energy and mining, forests and resources, clean air and the environment. His undergraduate and advanced degrees were taken at Brigham Young University and George Washington University, respectively. Ferguson served active duty in the US Army from 1966-1970."

During 2003-2007, he ran the ExxonMobil-funded **FoF/CSPP** project, which was a member of **CHC.** He then left to found his own think tank, **SPPI**: himself, a website, and some of the usual advisors. His funding is unknown , but he is clearly close with **Monckton.[MAS2008]**
He publicized **Monckon**'s 2008 APS FPS paper, and perhaps the **APS2009** Petition **[MAS2009]**
He had an odd early connection with **GMI**, before getting into climate anti-science:
www.westlx.org/MtWilsonLATimes1.pdf

Tom Fuller+ (B1b)
http://www.examiner.com/x-9111-SF-Environmental-Policy-Examine
Journalism is in difficulty. This is an example of what seems to have replaced classic journalism, with strong editorial checking. Blogs have their plusses and minuses.

Lee Garrigan+
She was member of the **GCSCT1998** team, affiliated with "Environmental Issues Council":
www.sourcewatch.org/index.php?title=Environmental_Issues_Council, which appears defunct.
But has been with ECOS, Environmental Council of the States:
www.ecos.org/section/_aboutecos/staff
That does not mention any EIC involvement, so this is somewhat unclear.

Robert Gehri+
The Southern Company (very large utility in US SouthEast, >50% Coal)
www.sourcewatch.org/index.php?title=Robert_Gehri
He was a **GCSCT** team member.

Teresa Gorman+
Was in GHWBush White House, then lobbyist.
www.opensecrets.org/revolving/rev_summary.php?id=12833
www.opensecrets.org/lobby/lobbyist.php?lname=Gorman%2C+Teresa+A&id=Y00000241840&year=a
www.opensecrets.org/revolving/indus.php?id=12833
Lobbyist for **ExxonMobil**, **Koch Industries**, at least.
See **Perhach**, and various emails in **A.9**.

William Happer+
Cyrus Fogg Brackett Professor of Physics
Princeton University
Fellow APS, AAAS
Member National Academy of Sciences
Fields: nuclear; defense, NMR
Locations: NJ; DC; NJ-Princeton
Employers: DOE; Princeton
Groups: JASON; George C. Marshall Institute
Connections: (Singer; Canavan; Nichols) via GMI; (Katz, LeLevier, Lewis, Dyson) via **JASON. Sproull** via **GMI,** both were on Board (at least). See **GMI** for many other connections.
Agnew (National Academies, Panel on Nuclear and Radiological Issues, 2002; **Agnew** on committee)
www.nap.edu/openbook.php?record_id=10415&page=390

Notes: Atomic physics; **JASON** 1976-90 (chair steering 1987-1990); Trustee MITRE; DOE Energy 1991-1993. (MITRE manages **JASON**.)
Happer was GMI Director at least 11/07/01-08/23/04, then became Chairman January 2006, a few months into the **Wegman** effort.
www.marshall.org/pdf/materials/405.pdf

www.princeton.edu/physics/people/faculty/william-happer/
www.dailyprincetonian.com/2009/01/12/22506/
""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 mentions, **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. See A.2.
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 (at least) starting in 1999. Funding often flows to think tanks without formally specifying the purpose of that money, especially not in detail. 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 what to do with the money, so that it has accomplishments to show 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 discovering their current private investments is fairly impractical. To criticize university research grants seems inconsistent while Chairing a think tank long funded via oil money to do climate anti-science.*

www.huffingtonpost.com/bill-chameides/non-climate-scientist-cli_b_173422.html
This is part of article by Duke's Bill Chameides, which includes 7-minute video of **Happer**, speaking to Senate EPW February 25, 2009. The transcript is available at:
scienceandpublicpolicy.org/reprint/happer_senate_testimony.html

tedhsu.blogspot.com/2009/03/on-will-happer-and-lorne-gunter.html
"1) Dr. Happer was a proponent of the Reagan administration's heavily criticized and eventually abandoned "Star Wars" (Strategic Defense Initiative) project.
2) He was appointed by George H.W. Bush as Director of Energy Research in the U.S. Department of Energy
3) Soon after the Clinton administration took over in 1993, Happer was fired by Al Gore for not having any urgency in dealing with ozone depletion and climate change."
An article in Reason says this also, albeit from a different viewpoint, and others have pointed out that political appointees unsurprisingly change when administrations change, unless they have managed to "burrow in" to a civil service position beforehand.
www.SEPP.org/Archive/controv/controversies/happer.html
www.mitre.org/about/bot/happer.html ***JASON*** *Chair of Steering Committee 1987-1990*
www.fas.org/spp/starwars/congress/1999_h/990713-happer_071399.htm
www.marshall.org/experts.php?id=57

Singer's 1999 "Hot talk, Cold Science – Revised Second Edition", published by **The Independent Institute (TII)**, 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 cittizen." Hence, Singer and Happer go back to 1999, at least.
Contrib: R99-04, D04: www.newsmeat.com/fec/bystate_detail.php?city=Princeton&st=NJ&last=happer

In 2009, **Happer** was one of the organizers of the APS Petition and surrounding advocacy efforts **[MAS2009]**, and then was a coauthor of an email to APS members about "Climategate." See ZZ.

Tom Harris+ (Canada)
http://www.sourcewatch.org/index.php?title=Tom_Harris_%28Canadian_engineer/technology_specialist%29
http://deepclimate.org/2009/12/10/bali-2007-revisited/
http://www.nationalpost.com/news/story.html?id=164002 Organized **BALI2007**.
In 2009, he helped organize the **Manhattan Declaration**, i.e., **ICSC** and **Heartland.**

Bernadine Healy+
GMI *Director at least 08/14/02-01/16/06.*
Cleveland Clinic Foundation.
web.archive.org/web/20060602014156/www.marshall.org/experts.php?id=77 says:
"Bernadine Healy, former President and C.E.O. of the American Red Cross, former Director of the National Institutes of Health, and former Dean of the Ohio State University College of Medicine, is Medical and Health Columnist for US News and World Report, and serves on the President's Council of Advisors on Science and Technology."
en.wikipedia.org/wiki/Bernadine_Healy :
*"*President Ronald Reagan appointed Healy deputy director of the White House Office of Science and Technology Policy. She served as chairman of the White House Cabinet Group on Biotechnology, executive secretary of the White House Science Council's Panel on the Health of Universities, and a member of several advisory groups on developing government wide guidelines for research in human subjects, and for the humane treatment of animals in research. She subsequently served on the President's Council of Advisers on Science and Technology during the administration of Presidents George H.W. Bush and George W. Bush."
Hence, the likely connection is via high-level science advisory positions with Republican administrations.
She was an Advisor to ***TASSC****, but apparently only briefly. She has been a strong critic of smoking, and may well have not realized what* ***TASSC*** *was at first, so I do not list her elsewhere.*
www.sourcewatch.org/index.php?title=Scientific_Advisory_Board
Contrib: *R92-02, D92,03; R:$18,250, D:$1,000*
www.newsmeat.com/fec/bystate_result.php?last=healy&first=bernadine 6 locations in MD and OH

Mark Herlong+
GMI Program Director, *at least 04/05/01-current*
www.marshall.org/experts.php?id=42
01/01/08 Considerations for an 80% Reduction in Carbon Dioxide Emissions.
www.marshall.org/pdf/materials/572.pdf

J. Aloysius Hogan+
General Counsel, Legislative Council, Legislative Director 2001-2007, US Senate
Congressional Staffer for EPW, Senators Hagel and **Inhofe**, most of the time on **Inhofe**'s staff.
www.legistorm.com/person/J_Aloysius_Hogan/4709.html
www.legistorm.com/trip/list/by/traveler/id/2926/name/J_Aloysius_Hogan.html

This lawyer seems to take much more interest in tree-ring statistics than one might expect:
www.marshall.org/pdf/materials/188.pdf 11/18/03 GMI Roundtable, p.26-27.:
"*Question*: Aloysius Hogan. I have heard questioning of the statistical and methodological practices associated with a number of papers and I would like to get an opinion from you both about the level of statistical and methodological analysis among normal peers. Are the people who are doing the peer review really qualified in those areas as statisticians or they are just educated laymen?
McKitrick: Now are you talking about the journal peer review or the IPCC review process?
Question: I am talking about the peer review for four or five different cases."

Currently, I think he is at Jackson Lewis:

www.jacksonlewis.com/attorneys/vattorney.cfm?aid=1391Fcoo

Christopher Horner+
Senior Fellow at CEI, attorney, Counsel for **CHC**. **(CEI & CHC)**
cei.org/people/christopher-c-horner
www.sourcewatch.org/index.php?title=Christopher_Horner
He was at **CEI** from 01/18/02 or earlier:
web.archive.org/web/20020615143425/cei.org/dyn/staff_list.cfm
He was on 02/10/05 panel with **Inhofe, Ebell, O'Keefe, Wheeler.**

Sherwood Idso (S.Idso+) (father)
CSCDGC
www.sourcewatch.org/index.php?title=Sherwood_B._Idso
Is on **CFACT** Advisory Board.

Craig Idso (C.idso+) (son)
CSCDGC
www.sourcewatch.org/index.php?title=Craig_Idso
He worked for Peabody Energy at one point.

Senator James Inhofe+ (R-OK)
Inhofe is the most vocal climate anti-science Senator, and rated as the eighth most conservative Senator. Oil&gas is naturally the largest funding industry. His top contributor is **Koch Industries**, although Murray Energy, ConocoPhilips, Chevron, and ExxonMobil appear as well. Of course, with numerous "Retireds" and "PACS", it is always nontrivial to know.
en.wikipedia.org/wiki/Jim_Inhofe
www.realclimate.org/index.php/archives/2005/01/senator-inhofe
www.opensecrets.org/politicians/industries.php?cycle=Career&cid=N00005582&type=I
www.opensecrets.org/politicians/contrib.php?cycle=Career&cid=N00005582&type=I

*He met with **M&M** in 2003 **[REG2003], Regalado.***
"The two were invited to Washington as a vote neared on a bill to cap fossil-fuel emissions. They met with Sen. James Inhofe, who heads the environment committee and has called the threat of catastrophic global warming the "greatest hoax ever perpetrated on the American people."
Inhofe counsel **Hogan** attended the **[GMI2003]** meeting.

*He participated in 02/10/05 panel at **GMI [GMI2005]**]:*
*"*Senator Inhofe began the discussion by referring to a statement by EU environmental minister Margot Walstrom and French President Jacques Chirac that the global warming debate has nothing to do with climate change; it is intended to level the economic playing field worldwide. Clearly, he said, "global warming is the greatest single hoax ever perpetrated on the American people." The Senator will present four short speeches questioning the four pillars on which the alarmist view of climate change is based: the 2001 National Academy of Sciences report, the IPCC's reliance on Michael Mann's discredited "hockey stick" model, the Arctic climate impact assessment report, and the flawed data produced by climate models.

*He employed **Morano** for years to write much climate anti-science PR.*

Robert Jastrow+ 1925-2008
Fields: *Astrophysics; astronomy, defense*
Locations: *NY; NH; CA*
Employers: *NASA; Dartmouth*
Connections: Nierenberg, Seitz, Singer*. Papers 1990-1997 (at least) with **Baliunas**, who was Deputy Director at Mount Wilson Observatory from starting in 1989. He was Director 1992-2003.*
Notes: *Columbia theoretical physics AB, AM, PhD 1948.*
NASA 1958-1981, founded NASA Goddard Institute; Dartmouth 1981-1992; Chairman BoD of Mount Wilson 1992-2003.

*Co-founder of **GMI,** advocate of Reagan SDI. 1985 book:"How to make nuclear weapons obsolete."*
articles.latimes.com/2008/feb/17/local/me-jastrow17
adsabs.harvard.edu/abs/1997ASSL..210...10J
*en.wikipedia.org/wiki/Robert_**Jastrow***
*www.sourcewatch.org/index.php?title=Robert_**Jastrow***
www.giss.nasa.gov/research/news/20080303/
www.nytimes.com/2008/02/12/science/space/12jastrow.html
Wrote article for **Heartland**, 2001:
*www.**Heartland**.org/policybot/results/812/Do_people_cause_global_warming.html*
He lived in Los Angeles, at least during 1992-2001, records showing ZIpcode 90024, Wilshire Blvd, just East of UCLA, about 15 miles from USC, 20 miles from Caltech/JPL, and 50 miles from Mt Wilson Observatory. It would be astonishing if he had not had repeated contacts with CA aerospace and astro-sciences people over that decade.
***Contrib:** D97, R92-01; R: $21,750, D:$300*
www.newsmeat.com/fec/bystate_detail.php?st=CA&last=jastrow&first=robert

Douglas J. Keenan+ (B1c/O9)
www.informath.org
"*About the author:* I used to do mathematical research and financial trading on Wall Street and in the City of London; I now study independently."
He seems to like looking for scientific fraud. However, he claims **E&E** to be peer-reviewed.

Sharon Kneiss+
www.sourcewatch.org/index.php?title=Sharon_Kneiss
Chevron team member for **GCSCT1998.**

Robert S. Knox+
Professor of Physics Emeritus
University of Rochester
Member APS Council 1985-1988
Fellow APS
***Fields:** Optics; lasers*
***Employers:** U of Rochester*
Connections: Douglass, Sproull
***Notes:** U of Rochester PhD 1958*
www.rochester.edu/college/rtc/Knox.html
*Student of David Dexter, along with **Gold**.(paper with Gold, 1959)*
*Later was Chairman of Physics, while **Gold** was Assoc. Dean of Engineering.*
*Signed **CATO** Advertisement, March 2009.*
In last few years, has coauthored a few papers with **Douglass and others.*
*1999 **Knox** "*Physical aspects of the greenhouse effect and global warming"
*2004 **Knox***
*2004 **Douglass** Blackman **Knox***
*2005 **Douglass Knox***

*2006 **Douglass Knox** Pearson Clark*
*Conjecture: **Douglass** seems to be the driving force at this point, but **Knox** helps occasionally.*
Viscount Christopher Monckton claims:
scienceandpublicpolicy.org/images/stories/papers/reprint/Letter_to_McCain.pdf
"His Nobel prize pin, made of gold recovered from a physics experiment, was presented to him by the Emeritus Professor of Physics at the University of Rochester, New York, USA." If not completely invented by Monckton, that seems likely to be **Knox**, but might have been **Sproull**.
***Contrib:** D92-01, www.newsmeat.com/fec/bystate_detail.php?st=NY&last=knox&first=robert&zip=14610*

Jeffrey Kueter+

Executive Director/President **GMI,** at least since 03/30/02
web.archive.org/web/20021009212551/www.marshall.org/experts.php?id=43
"Mr. Jeff Kueter received his B.A. in Political Science and Economics at the University of Iowa, where he graduated with honors, and an M.A. in Security Policy Studies and Science & Technology Studies at George Washington University. He has served as Research Director at the National Coalition for Advanced Manufacturing (NACFAM) and at Washington Nichibei Consultants. He has worked extensively in the area of science and technology and his particular field of interest is federal and state government policy in science-related issues."

Charles Krauthammer+
***GMI** Director at least 11/07/01-08/19/02.*
web.archive.org/web/20021008173451/www.marshall.org/experts.php?id=58
"He was a writer and editor for *The New Republic* from 1981 to 1988 and in the mid 1980s, began writing a weekly syndicated column for *The Washington Post* and a monthly essay for *Time* magazine.
Dr. Krauthammer has won a Pulitzer Prize for Distinguished Commentary and a National Magazine Award for Essays and Criticism. A collection of his essays and columns, *Cutting Edge,* was published in 1985. He is a regular weekly panelist on Inside Washington, a contributing editor to *The New Republic* and *The Weekly Standard* and serves on the editorial board of several journals, including the *National Interest and the Public Interest magazines."*
He had earlier been a Science Advisor for President Carter, and speechwriter for Walter Mondale, but clearly had shifted to the conservative political side by 1981, although his positions can be complex.
en.wikipedia.org/wiki/Charles_Krauthammer
*In particular, advocating radically higher energy taxes to encourage conservation might not fit **GMI** well. Unlike most **GMI** Board members, he had a short tenure, so the actual extent of his involvement is unclear.*

Lord Nigel Lawson+, Baron Lawson of Blaby (UK)
en.wikipedia.org/wiki/Nigel_Lawson
Lawson has been active since at least 2004, written books, etc.
He is Chairman of the recent (4Q09) **GWPF**, likely formed to take advantage of "Climategate."
His son Dominic Lawson is married to **Monckton**'s sister, Rosa Monckton, and **Monckton** is well-connected with **SPPI, Heartland**, and others in USA.
He is mentioned because **GWPF**'s Director is **Peiser**, who has participated in climate anti-science attacks before, and who is one of the two editors of **E&E**, which published key **M&M** papers.

David Legates+
en.wikipedia.org/wiki/David_Legates
www.sourcewatch.org/index.php?title=David_Legates
www.rightsidenews.com/200911157302/energy-and-environment/galileo-silenced-again.html
Among others, he is or has been associated with **CEI, GMI, Heartland, NCPA, TII.**

Marlo Lewis+
Senior Fellow, CEI
www.sourcewatch.org/index.php?title=Marlo_Lewis

Richard S. Lindzen+
www-eaps.mit.edu/faculty/lindzen/CV.pdf
en.wikipedia.org/wiki/Richard_Lindzen
www.sourcewatch.org/index.php?title=Richard_S._Lindzen See especially for list of articles
www.exxonsecrets.org/html/personfactsheet.php?id=17
www.independent.org/aboutus/person_detail.asp?id=1215
cei.org/gencon/014%2C03199.cfm
www.marshall.org/article.php?id=264
www.marshall.org/experts.php?id=117
He has a long history of having believed that climate sensitivity to CO2 doubling was much lower than other relevant scientists, and that scientists should say nothing to politicians until results were "sure" **[SCH2009].**
He has written paper after paper trying to show that in one way or another, but his results have often not

stood up very well. This does show that climate "skeptics" can get papers published, even if the results do not stand up very long.
He is/was a member of **AnnapCtr** Science and Economic Advisory Council, and associated with **TII**. He is a **GMI** expert, an Academic Advisory Council member of the recent **GWPF** (UK). He spoke at **Heartand2009#2** and **Heartland2009#3**, at **CHC**-sponsored Congressional briefing, signed **Leipzig, OISM, BALI2007,** and **CATO2009.**

WSJ has provided him OpEd spots.
All this is sad, as his earlier atmospheric work was fine enough to gain membership in the National Academy of Sciences. Even **GCC**'s own analysis did not support him well:
www.sourcewatch.org/images/8/82/GCC_Primer_Draft.pdf

David Lungren+
Senate EPW (**Inhofe**), since 2005. ➔Deputy Press Secretary
One of **Morano**'s replacements. See also **Dempsey**.
http://www.legistorm.com/person/David_L_Lungren/4756.html
http://epw.senate.gov/public/index.cfm?FuseAction=PressRoom.PressReleases&ContentRecord_id=95A85493-802A-23AD-4090-BA6C1B31B031

Jean Marie McGinley+
House Energy&Commerce Committee, Director-Information Technology 07/07/04- **(Barton)**
She is listed as Author (or rather PDF-maker) of the letters from **Barton** and **Whitfield.** See **A.9.6.**

M&M+ McIntyre & McKitrick, abbreviation used often.

Steven McIntyre+
www.sourcewatch.org/index.php?title=Steve_McIntyre
http://climateaudit.org/
McIntyre has been a **GMI** "expert" starting no later than 03/11/04:
web.archive.org/web/*/http:/www.marshall.org/experts.php?id=98
His life seems to have become attacking climate science.

Ross McKitrick+
www.uoguelph.ca/~rmckitri/ross.html
www.uoguelph.ca/~rmckitri/research/papers.html
www.uoguelph.ca/~rmckitri/cv.html
www.uoguelph.ca/~rmckitri/cc.html
"The Science and Public Policy Institute among other things features the work of Christopher Monckton, Viscount of Brenchley, who has emerged as a skilled and determined opponent of climate alarmism. Be sure to check out his movie, which presents his recent lecture at Cambridge. I think that if Churchill were still around he would walk past a roomful of MPs to shake Monckton's hand.
CO2Science is an on-line library put together by two Arizona-based plant biologists. You can search the scientific literature on any climate-change related topic and find ample contrarion research. They provide the citations and summaries of the study and results. There is especially detailed information about the effects of climate change on plants. They also publish editorials each week.
The Friends of Science . A group of sensible people out west have begun to do what Environment Canada ought to have done long ago--compile some on-line information so that people can read up on some unsettled issues on this interesting topic.
The Competitive Enterprise Institut e. This small think tank in Washington runs on a shoestring, yet has had a huge impact on international climate policy."

He likes **Monckton (SPPI), CO2SCIENCE (CSCDGC)** and has been a "Professional Contact" and helped make a movie for **FoS**. *He is right that **CEI** has had a huge impact.*

McKitrick usually lists his affiliation as University of Guelph for general publications and audiences, but he has also been a Senior Fellow at the **Fraser Institute** since 10/15/02

www.fraserinstitute.org/files/PDFs/annual_reports/2002_Annual_Report.pdf, p.5
"As the debate about the Kyoto protocol echoed across Canada, we were pleased to welcome, as a Senior Fellow, Professor Ross McKitrick of the University of Guelph, who has been one of Canada's most articulate and incisive analysts of the impact that the Kyoto Protocol would have in Canada. The Institute was pleased to be able to assist Professor McKitrick in the publication of his book *Taken By Storm* with Professor Christopher Essex of the University of Western Ontario, undoubtedly the most comprehensive assessment of the economic and scientific aspects of global warming to have been issued. We were pleased also to have been able to team up with Professor McKitrick and Bjørn Lomborg, the "skeptical environmentalist" for major presentations in Toronto and Calgary at the height of theKyoto debate.".

He was also an "expert" at **GMI** since 03/11/04 or earlier.
web.archive.org/web/*/www.marshall.org/experts.php?id=100

People can associate with whom they wish, but **Fraser** and especially **GMI** have long histories of climate anti-science. It is fair for readers to weigh that as well, especially when such people claim only to be seeking scientific truth.

Patrick J Michaels+
CATO; was at U of Virginia
Fields: *Ecological Climatology*
Locations: *VA*
Employers: *UVa, Virginia State,* ***CATO****, New Hope (own company)*
Connections: CATO, GMI, Heartland, CFACT.
On ***CFACT*** *Advisory Board with* ***Baliunas, Hayden, Seitz.*** *Overlap with* ***Singer*** *@ U of VA.*
Wrote book with chapters by ***Christy****,* ***Baliunas****, and* ***Soon****.*
Notes: *Harvard, A.B. and S.M degrees in biological sciences and plant ecology, U of Chicago, PhD ecological climatology U of Wisconsin 1979, under Reid Bryson.*
www.cato.org/people/patrick-michaels
www.sej.org/initiatives/climate-change/patrick-michaels-cv-plain-text-file-climate-change-guideskeptics-and-cont
en.wikipedia.org/wiki/Patrick_Michaels
www.sourcewatch.org/index.php?title=Patrick_Michaels
www.desmogblog.com/files/IREA-memo.pdf IREA supporting Pat ***Michaels***
*www.desmogblog.com/****CATO****-institute-and-patrick-michaels-its-small-world-after-all* ***CATO*** *funding*
He has long published World Climate Report, for which ***Baliunas*** *was a Contributing Editor.*
www.worldclimatereport.com/
He has written papers for ***GMI****:*
search.atomz.com/search/?sp-q=michaels&sp-a=sp100240f4&sp-f=ISO-8859-1&submit=Search
"New Hope Environmental Services is an advocacy science consulting firm"
In the 1980s and 1990s, he wrote some peer-reviewed climate papers, but in 1990s and 2000s, much more of his output has been books, web papers, etc. Two of his recent books are:
Patrick ***Michaels****, Ed, "Shattered Consensus – The True State of Global Warming", copyright by* ***GMI****. It includes 3 articles by* ***Christy****,* ***Baliunas****, and* ***Posmentier+Soon.*** *The other articles are by Ross* ***McKitrick****, Robert Balling, Jr, Randall S. Cerveny, David R. Legates, Oliver W. Frauenfeld, Robert E. Davis, most of which are recognizable and a few of whom might have been included as supporters. The Foreward is by William* ***O'Keefe*** *and Jeffrey* ***Kueter*** *of* ***GMI****.*
Patrick J. ***Michaels****, Robert Balling, Jr "Climate of Extremes – The Science They Don't Want You to Know", 2009,* ***CATO*** *Institute.*
Contrib: *R99-00, www.newsmeat.com/fec/bystate_detail.php?st=VA&last=michaels&first=patrick*

Christopher Monckton+, Third Viscount Monckton of Brenchley (UK)
en.wikipedia.org/wiki/Christopher_Monckton,_3rd_Viscount_Monckton_of_Brenchley
www.sourcewatch.org/index.php?title=Christopher_Monckton
SPPI appears to be his local USA branch, starting with 2007 attack on Naomi Oreskes **[MAS2008],** but he speaks worldwide. His sister Rosa is married to **Lawson**'s son Dominic. **McKitrick** writes approvingly of **Monckton**'s efforts. Others do not:

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

Andrew Montford+ (UK) (B1c/O9, dedicated blogger on climate)
bishophill.squarespace.com/
www.stacey-international.co.uk/v1/site/product_rpt.asp?Catid=329&catname=
The Hockey Stick Illusion – Climategate and the Corruption of Science
"**Andrew Montford** - The author studied chemistry at St Andrews University. He is a respected blogger at Bishop Hill where his layperson's explanations of the Hockey Stick debate have won wide acclaim. He lives in rural Scotland with his wife and three children."

John H. Moore+
President, Grove City College
www.gcc.edu/
en.wikipedia.org/wiki/Grove_City_College
Grove City gets funding from some familiar foundations, and has close ties to think tanks.
mediamattersaction.org/transparency/organization/Grove_City_College/funders
He was Chairman of Board for **ACSH**, at least in 2004. He isa long-time **GMI** board member.
He was director of **GMU**'s International Institute, which organized **SIPP1993** with **Singer**.
www.sepp.org/Archive/conferences/conferences.html

Marc Morano+
www.sourcewatch.org/index.php?title=Marc_Morano
Worked for **Inhofe** 06/14/06-03/17/09, mostly doing website/blog on climate..
His start date was shortly before Wegman hearing.
www.legistorm.com/person/Marc_P_Morano/25608.html
Now does website for **CFACT**, www.climatedepot.com

Susan Moya+
Was copied on **Walker GCSCT1998** memo, so probably was **API** staff.

Larry Neal
http://www.legistorm.com/person/Lawrence_A_Neal/19138.html
Was deputy staff director for Energy&Commerce. **[REG2006]** says:
"Larry Neal, deputy staff director for Mr. Barton's committee, said in a statement that because "combating climate change is a breathtakingly expensive prospect," it deserved closer study, and that the academy was "unlikely" to address all of Mr. Barton's concerns." committee.
It is interesting to see NAS dismissed in advance.

Rodney W. Nichols+
President and CEO, New York Academy of Sciences (1992-2001)
Vice President and Executive Vice President, The Rockefeller University (1970-1990)
Secretary of Defense Medal for Distinguished Meritorious Civilian Service (1970)
Fellow AAAS, New York Academy of Sciences
Fields: *defense*
Locations: *NY*
Employers: *Melpar; Rockefeller U*
Connections: *Worked with and wrote at least one report with* ***Seitz*** *(Google Books), and had to know* ***Jastrow, Nierenberg****.*
(via ACSH): ***Enstrom, Singer****.*
GMI*; NYAS; ACSH; many conservative* ***think tank****s*
Notes: *Harvard Applied Physics AB (?)*
1959-1966 manager @ Melpar (govt contractor; missile nosecones)?;
George C. Marshall Institute Board; advisor to Richard Lounsbery Foundation (one of previous? ***GMI*** *Funders); Manhattan Institute Trustee; consultant to Gerson-Lehman; American Council on Science and Health Trustee.*
tobaccodocuments.org/pm/2025028083-8086.html Bio from Tobacco Archives

www.acsh.org/about/pageID.101/default.asp ACSH Bio
www.marshall.org/experts.php?id=157
www.crdf.org/profiles/profiles_show.htm?doc_id=604594
www.cfr.org/project/222/study_group_on_global_warming_technology_policy_for_the_united_states.html
www.manhattan-institute.org/html/trustees.htm
www.acsh.org/about/pageID.7/default.asp
***Contrib:** D95-97, R07; R:$500, D:$500*
www.newsmeat.com/fec/bystate_detail.php?st=NY&last=nichols&first=rodney

William Nierenberg+ 1919-2000
***Fields:** Nuclear; oceanography*
***Locations:** NY; CA-San Diego; many*
***Employers:** DoD (Manhattan Project); UC Berkeley; Scripps; NATO;*
***Connections: GMI**; **Agnew;** Advisory board of **EPRI** (**Starr**). **Berkowitz**? (by geographic proximity)*
***Notes:** Like other 2 **GMI** founders, scientist with strong reputation and influence.*
*en.wikipedia.org/wiki/William_**Nierenberg***
*www.sourcewatch.org/index.php?title=William_A._**Nierenberg***
caliber.ucpress.net/doi/abs/10.1525/hsns.2008.38.1.109?journalCode=hsns
www.nndb.com/people/326/000137912/
*Chaired **JASON** report ~1983, a controversial report:*
www.timesonline.co.uk/tol/news/environment/article4690900.ece
***Contrib:** R96; R:$250*
www.newsmeat.com/fec/bystate_detail.php?st=CA&last=nierenberg&first=william

Milan (Mitch) Nikolich+
*Director **GMI**, recent, current*
www.marshall.org/experts.php?id=202
"For over two decades Mitch Nikolich has been a recognized figure in matters at the nexus of technology, policy and national security. He helped to initiate a number of programs within the Strategic Defense Initiative as well as early deployment options advocated by the Chief of Staff of the Air Force and the stand-up of the Department of Defense's Counterproliferation program. More recently, he played key roles in the strategic arms control decisions of the 1990s notably the ABM treaty, START II and START III including participation in formal talks with the Russian Federation and the 2001 Nuclear Posture Review. He also served with the Congressional Commission on Electromagnetic Pulse.
Dr. Nikolich is currently an Executive Associate of CACI – a NYSE listed professional services and IT solutions company serving the needs of the federal government in the areas of defense, intelligence and homeland security. In this capacity he is working directly with the head of the U.S. nuclear weapons program on technical, organizational and programmatic matters. He was a member of the staff of the Physics Division of Los Alamos National laboratory and also held an adjunct appointment with George Washington University. Dr. Nikolich received his BS, MS and PhD in electrical and computer engineering for the State University of New York at Buffalo."
***Contrib:** R92,96; R:$900*
www.newsmeat.com/fec/bystate_detail.php?city=VIENNA&st=VA&last=nikolich

Joanne Nova+ (AU) (B1b in **Fig 2.1**)
Australia has a small, but very vocal anti-science group. Although without obvious expertise, she is very vocal about climate science, and produces slick documentation.
http://joannenova.com.au
http://joannenova.com.au/global-warming
"A freelance science presenter & writer, professional speaker and former TV host; author of The Skeptics Handbook (over 200,000 copies distributed & available in ten languages)."
joannenova.com.au/2009/11/the-consensus-is-fake
http://joannenova.com.au/2010/01/finally-the-new-revised-and-edited-climategate-timeline
http://joannenova.com.au/2010/01/deltoid-creates-some-sci-comm-pollution/
http://joannenova.com.au/2010/01/horrifying-examples-of-deliberate-tampering/
http://joannenova.com.au/2010/01/the-four-gates-of-the-ipcc/

http://joannenova.com.au/2010/01/monckton-replies-to-prof-andy-pitman/
http://joannenova.com.au/2010/02/falling-public-opinion-picks-up-momentum/

She publishes nicely-illustrated, produced climate anti-science, for worldwide consumption.
She writes about the IPCC being a global conspiracy.
*She is involved with **Heartland, SPPI.***
Q: Who pays for all this? Maybe she has found a new career?

William O'Keefe+
He has been Managing Director/President/CEO of **GMI** since ~04/05/01. Before that, he was a 25+year veteran of **API** (the American Petroleum Institute) and was a registered lobbyist for **ExxonMobil.**
www.exxonsecrets.org/html/personfactsheet.php?id=289
www.exxonsecrets.org/wiki/index.php/Deniers:_William_O%E2%80%99Keefe
www.opensecrets.org/lobby/lobbyist.php?lname=O%27Keefe%2C+William+F&id=Y00000185540&year=2005

www.marshall.org/experts.php?id=83
"William O'Keefe, Chief Executive Officer of the Marshall Institute, is President of Solutions Consulting, Inc. He has also served as Senior Vice President of Jellinek, Schwartz and Conolly, Inc., Executive Vice President and Chief Operating Officer of the American Petroleum Institute **(API)** and Chief Administrative Officer of the Center for Naval Analyses.
Mr. O'Keefe has held positions on the Board of Directors of the Kennedy Institute, the U.S. Energy Association and the Competitive Enterprise Institute **(CEI)** and is Chairman Emeritus of the Global Climate Coalition. **(GCC)**"

Chronology from **API** places him there from 1974-2000:
web.archive.org/web/*/www.api.org
web.archive.org/web/20000621034331/www.api.org/about/management.htm August 15, 2000 ...gone by October 18, 2000.

Jellinek Schwartz & Connolly by 12/06/00 (NewsMeat), through end of 2001.www.manta.com/coms2/dnbcompany_fv35d8legacy.library.ucsf.edu/tid/klc81f00/pdf;jsessionid=1DD02EC838180797E342C559E8C75E3B

legacy.library.ucsf.edu/action/search/basic?fd=0&q=Jellinek+Schwartz+%26+Connolly
This consulting company, mostly on pesticides, was often looking for money from tobacco companies. That seems to have been before **O'Keefe**'s short time there.

Contrib: R'91-'0, McCain '08, $23,375 that I could find
1991-1999 Washington, DC
www.newsmeat.com/fec/bystate_detail.php?city=WASHINGTON&st=DC&last=o%27keefe&first=william
1994-2000 McClean
www.newsmeat.com/fec/bystate_detail.php?city=MCLEAN&st=VA&last=o%27keefe&first=william
1997-2000 Mc Clean
www.newsmeat.com/fec/bystate_detail.php?city=MC+LEAN&st=VA&last=o%27keefe&first=william
2000-2005 Vienna
www.newsmeat.com/fec/bystate_detail.php?city=Vienna&st=VA&last=o%27keefe&first=william\
2006-2008 Providence Forge
www.newsmeat.com/fec/bystate_detail.php?city=Providence+Forge&st=VA&last=o%27keefe&first=william

Although not a climate scientist, he has written often and confidently, often co-authored with **Kueter**:
"Cap-and-Trade Would Make the American Dream a Nightmare," William O'Keefe, August 18, 2009
"Assessing the American Clean Energy & Security Act - Slides of William O'Keefe," William O'Keefe, June 3, 2009
"Cap and Trade is a License to Cheat and Steal," William O'Keefe, May 19, 2009

"Next Bernie Madoff? Emissions Cap-and-Trade Aids the Corrupt, Hurts the Little Guy," William O'Keefe, April 13, 2009
"Time for a Fresh Debate Over America's Climate Policy," William O'Keefe, February 3, 2009
"Climate Policy: Focusing the Debate," William O'Keefe, February 1, 2009
"The Future of Climate Policy: Reality versus Lessons Not Learned," William O'Keefe, December 1, 2008
"The Myth of Vanishing CO2 Emissions," William O'Keefe and Jeff Kueter, June 1, 2008
"Where Will the Bali Roadmap Lead?," William O'Keefe and Jeff Kueter, December 1, 2007
"Caps, Taxes and Technology - How Do We Respond to Climate Change," William O'Keefe and Jeff Kueter, November 1, 2007
"Assessing the Supreme Court's CO2 Ruling," William O'Keefe, May 1, 2007
"Statement on the IPCC Fourth Assessment Summary for Policy Makers (SPM)," William O'Keefe and Jeff Kueter, February 2, 2007
"Clean Air Theater," William O'Keefe, December 3, 2006
"The Illusion of U.S. Energy Independence: An Assessment of the Current State of Energy Use," William O'Keefe and Jeff Kueter, December 1, 2006
"Reply to Matthew Quayle, Executive Producer of Squawk Box, on CNBC Presentation," William O'Keefe, November 2, 2006
"Response to the Royal Society's Letter," William O'Keefe and Jeff Kueter, September 22, 2006
"Climate Zealotry Produces Bad Policy: Observations on Al Gore's New York University Speech," William O'Keefe, September 1, 2006
"Group Think Masquerading as Consensus," William O'Keefe, September 1, 2006
"'Self-sufficiency' vs. economic reality," William O'Keefe, February 3, 2006
"William O'Keefe Responds to Senator Bingaman's Support of a Mandatory Program," William O'Keefe, December 6, 2005
"Evaluating the Bush Environmental Record," William O'Keefe, September 30, 2005
"Climate Policy: A Reality Check," William O'Keefe, September 30, 2005
"General Rent Seeker," William O'Keefe, May 26, 2005
"Climate Change and National Security," William O'Keefe, *Remarks given at the World Affairs Council's conference on Climate Change & National Security*, May 3, 2005
"The True Costs of the Climate Stewardship Act," William O'Keefe, September 1, 2004
"Climate Sensitivity - Still a SWAG," William O'Keefe and Jeff Kueter, September 1, 2004
"The Challenge of Making Climate Science Relevant," William O'Keefe, June 3, 2004
"Politics and Science: Is Science Politicized?," William O'Keefe and Jeff Kueter, May 1, 2004
"Climate Models: A Primer," William O'Keefe and Jeff Kueter, May 1, 2004
"Who is Politicizing Science? Understanding the Interactions and Interests in Science and Politics," Adam Kieper, Dr. Michael Gough, Steven Hayward, Robert Walker and William O'Keefe, March 24, 2004
"Climate debate isn't about action, it's about knowledge," William O'Keefe, January 6, 2004
"Climate Change Skepticism: A Virtue or Vice?," William O'Keefe, October 1, 2003
"Climate Policy and Energy Use and Objective Realities," William O'Keefe, June 1, 2003
"Cap and Trade: The Moral Equivalent of Bamboozle," William O'Keefe, March 1, 2003
"Automobile Fuel Cells - Potential and Challenges," William O'Keefe, February 11, 2003
"Remarks Before the Final Plenary Session of the U.S. Climate Change Program's Planning Workshop for Scientists and Stakeholders," William O'Keefe, December 5, 2002
"Remarks Before the Resource Management Decision Support Panel of the U.S. Climate Change Science Program's Planning Workshop for Scientists and Stakeholders," William O'Keefe, December 4, 2002
"A Global Climate and Energy Project - Big Ambitions at Stanford," William O'Keefe, December 2, 2002
"Putting Climate Science and Kyoto in Perspective," William O'Keefe, October 8, 2002
"Candor about Kyoto," William O'Keefe, June 1, 2001
"Climate Change: A Political Assessment," William O'Keefe, June 13, 2000
"Open Letter to Matthew Quayle, Executive Producer of Squawk Box on CNBC Presentation "Fire and Ice"," William O'Keefe
"A Bad Bill For Cap-And-Trade," William O'Keefe

Mark R. Paoletta+
en.wikipedia.org/wiki/Mark_Paoletta *Must-read.*

www.legistorm.com/person/Mark_A_Paoletta/19143.html
He was staffer for House Energy and Commerce Committee, Chief Counsel-Oversight and Investigations, 4Q00-01/02/07, i.e., until House shifted majority from Democratic to Republican. He would have worked for **Whitfield**. He then joined Dickstein Shapiro LLP:
www.dicksteinshapiro.com/paolettam
[SAI2007] p.26 shows picture of him with **Spencer, Said**, and (I think) **Wegman**.
www.dicksteinshapiro.com/people/detail.aspx?attorney=dfe6e9c4-3136-496c-8869-425e1e63a059&view=events : has spoken for **WLF** (Washington Legal Foundation) Web Seminar Series.

Benny Peiser+ (UK)
en.wikipedia.org/wiki/Benny_Peiser
www.sourcewatch.org/index.php?title=Benny_Peiser
Peiser and **Boehmer-Christensen** are the co-editors of **E&E**. He attacked Naomi Oreskes' 2004 paper, and later had to back down, but some of his work was repeated by **Monckton [MAS2008].** He is Director of the recently-formed **GWPF**.

William Perhach+
He was in the GW Bush White House, legal assistant on Council on Environmental Quality, whose Chief of Staff was **Cooney**.
www.democraticunderground.com/discuss/duboard.php?az=view_all&address=389x1238805
He has gotten interesting emails from **Ebell** and others, **A.9.**
Q: has he sent any interesting emails?

Donald Rapp+ (Detail from [MAS2009])
Currently @ Viterbi School of Engineering, U of Southern California
Chief Technologist, Mechanical and Chemical Systems,
Jet Propulsion Laboratory (retired)
Professor of Physics and Environmental Engineering, University of Texas (1973-1979)
Author, "Assessing Climate Change" and "Ice Ages and Interglacials" (Springer-Verlag)
Fellow APS
Fields: *Space; defense; energy; petroleum (one 1975 publication on peak oil)*
Locations: *CA-SF Bay Area; TX; CA-Los Angeles*
Employers: *Lockheed; U of TX; JPL; USC*
Connections: Gruntman, Kunc. Maserjian *(overlapped at JPL many years)*
Notes: *Cooper Union ChemEng BS 1955; MS ChemEng 1956; UC Berkeley Chemical Physics PhD 1960 Lockheed Palo Alto 1959-1965; Polytechnic Inst of NY 1965-1973; U of TX-Dallas 1969-1981 (on leave 1979-1981 @ JPL); JPL 1979-2002 (then retired); JPL consultant 2003-2009*
Current: Research professor, Viterbi School of Engineering U of Southern CA
www.informaworld.com/smpp/942440378-851443/title~db=all~content=g777655045

home.earthlink.net/~drdrapp
"I have surveyed the wide field of global climate change energy and I am familiar with the entire literature of climatology." He has written a (very expensive) climate anti-science book:
books.google.com/books?id=GOlV9MzyFHQC&printsec=frontcover&dq=assessing+climate+change+**rapp**&lr=&ei=2giBSs6qJYPKkQS31b2WCg#v=onepage&q=&f=false
It begins: "Global-warming alarmists believe that human production of greenhouse gases, particularly carbon dioxide, with its concomitant water vapor feedback mechanism, has begun to add to the natural greenhouse effect, thereby raising global temperatures inordinately during the 20th century, with predictions of further increases in the 21st century that could be catastrophic.
Dr. James E. Hansen, perhaps the most respected spokesman for the alarmists, said…
…Al Gore's film….has spawned a growing world movement that is seeking controls on greenhouse gas emissions. Because such controls would have serious economic consequences…"
Page xiv says:
"We have emerged from the Little Ice Age in the latter half of the 19th century and the Earth has warmed, but the connection to greenhouse gases remains unclear."

Google Books gave me a table of contents and selections, enough to recognize sources and emphasis. He references (poor) papers by **Soon** and **Baliunas** (2003). For a compendium of refutations:, see: www.realclimate.org/index.php/archives/2004/12/myths-vs-fact-regarding-the-hockey-stick/
DC discovered evidence that the **Wegman** Report had plagiarized **[BRA1999]**, and **Rapp** had further plagiarized the WR. Starting with Bradley (a top expert), each step got extra modifications and caveats that seemed to weaken the evidence.
deepclimate.org/2009/12/17/wegman-report-revisited **[DEE2009]**
deepclimate.org/2009/12/22/wegman-and-rapp-on-tree-rings-a-divergence-problem-part-1 **[DEE2009a]**
deepclimate.org/2010/01/06/wegman-and-rapp-on-proxies-a-divergence-problem-part-2 **[DEE2010]**
Rapp used papers by (astrophysicists) **Soon** and **Baliunas** to weaken (expert) Bradley's conclusions, and provided a nice example of the common use of "grey literature."
deepclimate.org/2010/01/07/donald-rapp-more-divergence-problems **[DEE2010b]**

The USC astronautics department was seeking funding for climate research:
astronautics.usc.edu/research/climatechange.htm
"At the cutting edge of this new science is climate system dynamics in which observations are coupled with computer models that simulate the complex behavior of the ocean, land and atmospheric systems on various time scales. Consequently, advanced cyber infrastructures are an essential element of these evolving inter-disciplinarily endeavors. This new science also requires new organizational structures that bring scientists from multiple disciplinary backgrounds and engineers together to work interactively and collaboratively. Traditional oceanographic or atmospheric programs are not necessarily well-equipped for such a challenge."

From this, it seems that climate science research would be done by an astronautics group 3 of whose leaders reject mainstream climate science.
There is no evidence connecting **Rapp** directly with the **Wegman** effort, but **[MAS2009]** showed other potential connections with active climate anti-science people. The book was published by Springer(Springer-Praxis), which has recently published other climate anti-science books.

All this illustrates the mechanisms for creation and propagation of anti-science memes, often using PhDs who have done little or no climate research, in some cases to create authoritative-sounding books that incorporate much "grey literature" of dubious quality, as this did.

Antonio Regalado+
WSJ Reporter
Wrote unusual 02/14/05 front-page article "'In Climate Debate, The 'Hockey Stick' leads to a Face-Off", bringing **McIntyre** to prominence. **[REG2005]** This was a very strange article in many ways:
www.heatisonline.org/contentserver/objecthandlers/index.cfm?ID=5492&Method=Full&PageCall=&Title=Dissecting%20the%20Wall%20Street%20Journal%27s%20Mannhunt&Cache=False
sharpgary.org/RegaladoWSJ.html OR www.sepp.org/Archive/weekwas/2005/Feb.%2019.htm

"From the outset, the graph was a target of numerous lobbyists and skeptics. When Mr. McIntyre became interested in it, he quickly teamed up with Ross McKitrick, an economist at Canada's University of Guelph who'd written a book questioning global warming. (The two met on an Internet chat group for climate skeptics.) In October 2003, Energy & Environment, a British social-science journal known for contrarian views, published an initial critique by the pair."

"The two were invited to Washington as a vote neared on a bill to cap fossil-fuel emissions. They met with Sen. James Inhofe, who heads the environment committee and has called the threat of catastrophic global warming the "greatest hoax ever perpetrated on the American people." The Oklahoma Republican relied on doubts raised by a variety of skeptics in leading successful opposition to the bill in 2003. Mr. McKitrick says he was paid $1,000 by the Competitive Enterprise Institute, a free-market research and lobbying group, and had his travel costs picked up by another lobby group. Mr. McIntyre, who briefed lobbyists with the National Association of Manufacturers, says he has taken no payment."

That last statement should be compared to: www.marshall.org/pdf/materials/188.pdf, 11/18/03:

"*McIntyre*: Thank you very much for coming. My name is Steve McIntyre. I'd like to express my appreciation to Marshall Institute and CEI for paying my expenses down here."

GMI had paid for **McIntyre's** way in 2003, made **M&M** "experts" by early 2004, and was hosting **M&M** a few days before this article appeared, but never got mentioned by **Regalado**.

*Q:It might be interesting to know how **Regalado** came to write this, and how his article got the #1 position on the front page of the **WSJ**, then was followed by an Editorial shortly thereafter.*

A year later, he wrote **[REG2006],** which is also worth studying. I have read many carefully-written news articles in the **WSJ**, have interacted with a few reporters, and have generally respected them highly.

Q: Is this objective reporting, or good way to keep public in doubt?

"Larry Neal, deputy staff director for Mr. Barton's committee, said in a statement that because "combating climate change is a breathtakingly expensive prospect," it deserved closer study, and that the academy was "unlikely" to address all of Mr. Barton's concerns."

*Q: It is interesting to see the **NAS** dismissed in advance. Could anyone have addressed all the concerns?*

Arthur G. "Randy" Randol+
www.sourcewatch.org/index.php?title=Arthur_G._Randol_III
He was Exxon **GCSCDT1998** team member, and lobbied to replace IPCC head Watson with Pachauri.
See **A.9.3** for email reference.

Denise Reeves+ (thanked for help by **Wegman** Panel.)
MITRE Corporation,
She was PhD student of **Wegman**'s, finished in 2009:
volgenau.gmu.edu/graduates/graduate_news.php?start_from=10&ucat=&archive=&subaction=&id=&amp
"Tuesday May 19, 2009…Ph.D. in IT Final Defense Denise …
Dissertation Director: Prof. Edward Wegman
Title: Properly Specified Functional Mappings and Support Vector Learning Machines"
Q: What help did she provide?

John T. Rigsby+ III
Naval Surface Warfare Center
He was recent MS student of **Wegman**'s:
www.galaxy.gmu.edu/stats/colloquia/ColloquiaFall2004.html
www.linkedin.com/pub/john-rigsby/6/4b1/917 says he was doing MS Statistics @ **GMU** 2001-2005
[obviously part-time while at NSWC].
Google Scholar: **wegman rigsby** yields
King, **Rigsby**, Bernard, **Wegman** 2004
Said, Wegman, Sharabati, **Rigsby** 2008
Q: What help did he provide?

Michelle Ross+
Was copied on **Walker GCSCT1998** memo, so probably was **API** staff.

David Rothbard+
www.sourcewatch.org/index.php?title=David_Rothbard
He was **CFACT GCSCT1998** team member.

Yasmin H. Said+
Johns Hopkins U (listed in Wegman Report), but back at **GMU**, with some unclear history
2005 PhD **GMU**, Wegman was her Dissertation Advisor
2006 JHU through 2Q06, then apparently back to **GMU**
2007.07.29 **GMU** (at JSM conference, paper with Bottenbley, Wegman, Ellaham, Anderson)

2007.09.07 **[SAI2007]**, discussed in **A.11**. **[Thanks to DC for leading me to this]**
2008.08.24 Cambridge U + GMU (With **Wegman**) *Summer?*
2010.02.01 GMU Research Assistant Professor, Computational and Data Sciences *(maybe)*

www.docstoc.com/docs/13732317/Yasmin-H Bio, date unsure, says she was writing a book:
Controversies is Global Warming: The Heated Debate (has not yet appeared)
genealogy.math.ndsu.nodak.edu/id.php?id=90582
www.ratemyprofessors.com/ShowRatings.jsp?tid=813357
www.ams.jhu.edu/undergraduate_programs/2006_spring_courses.html
www.amstat.org/meetings/JSM/2007/pdfs/JSM2007ProgramBook.pdf
www.galaxy.gmu.edu/stats/colloquia/AbstractsFall2007/TalkSept7.pdf [SAI2007]
www.galaxy.gmu.edu/stats/colloquia/AbstractsSpring2009/TalkJan22.pdf
peoplefinder.gmu.edu/index.php?search=said&group=faculty&x=0&y=0 Overall GMU directory: yes
cds.gmu.edu/node/15 CDS directory: no
scholar.google.com/scholar?q=ej+wegman+yh+said&hl=en&btnG=Search&as_sdt=2001&as_sdtp=on

Wiley Interscience Reviews: Computational Statistics is a new journal, first issue was Jul/Aug 2009, and the 3 Editors-in-Chief are **Wegman, Said, Scott** (as of 02/08/10).
www3.interscience.wiley.com/journal/122458798/issueyear?year=2009
www3.interscience.wiley.com/journal/122458798/home/EditorialBoard.html?CRETRY=1&SRETRY=0
Edward J. Wegman, Bernard J. Dunn Professor of Data Sciences and Applied Statistics, George Mason University
Yasmin H. Said, Professor, Oklahoma State University, Ruth L. Kirschstein National Fellow, George Mason University *this is very strange*.
David W. Scott, Noah Harding Professor of Statistics, Rice University

[Thanks to DC for following] – *very strange connection(?) with Oklahoma State University (??)*
www.okstate.edu/registrar/Catalogs/E-Catalog/2009-2010/Faculty.html, and the associated PDF, created 08/05/09 both list Yasmin H. Said as an Assistant Professor in Statistics.
statistics.okstate.edu/people/faculty.htm But the OSU Statistics Department does not.

There may have been some period when both **Said** and OSU thought she was coming there.

In any case, many joint papers are found 2005-2009 via:
Google Scholar: EJ Wegman YH Said
Ironically, one paper was “Text Mining with Application to Fraud Discovery”

*Q: What was going on? OSU seems a very unusual choice for **Said**. It is difficult to think of any OK connection except possibly **Inhofe,** but he is more involved with U of Oklahoma.*
Q: Can OSU Statistics say more? Why was she listed?
*Q: There are of course, many other questions to ask **Said** about the **WP**.*

Jeffrey Salmon+
Salmon *was Executive Director (senior actual employee) of **GMI** 1991-2001.*
www.marshall.org/experts.php?id=34 says:
“Dr. Jeffrey Salmon was Executive Director of the George C. Marshall Institute from 1991 to 2001. Previously he was senior speechwriter to Secretaries of Defense Dick Cheney and Caspar Weinberger and Senior Fellow at the Institute for National Strategic Studies at the National Defense University.”
Another says:
web.archive.org/web/20000708062417/www.marshall.org/salmon.htm
“Jeffrey Salmon, Executive Director of the Marshall Institute, was Senior Speechwriter to three Secretaries of Defense. He is also a Senior Fellow and member of the Executive Committee of the Environmental Literacy Council. Dr. Salmon was Research Fellow at the Institute for National Strategic Studies and served on the staff of two members of the U.S. House of Representatives. He recently served on the Virginia Governor's Commission on Environmental Stewardship. One of Dr. Salmon's recent articles from Philanthropy, "Weird Science," is available here.”

This was a political scientist attacking climate scientists, including the famous misquote-by-omission of Stephen Schneider.
Following is a chronology overview, noting Reagan's Secretaries of Defense were Weinberger 01/21/81-11/23/87, Frank Carlucci 11/23/87-01/20/89. Then GHW Bush's were William Howard Taft IV (Acting) 01/20/89-03/20/89, and Cheney 01/21/89-01/20/93.

***PhD, 1985** in World Politics from Catholic University of America*
www.er.doe.gov/SC-4/Deputy_Director-Bio.htm
***?-1991** senior speechwriter for Weinberger, Carlucci (presumably) and Cheney*
***1991-2001** Executive Director **GMI**.*
***1998**: GMI representative on GCSCT1998 project.*
***March 2001-2008** Appointed as Senior Policy Advisor to the Secretary of Energy (**DOE**) (Bush./Cheney).*
www.climatesciencewatch.org/index.php/csw/details/jeffrey_salmon Asks:
"What is a climate disinformation activist and former Cheney speechwriter doing as #2 at DOE Science?"
June 2008-current
"As Deputy Director for Resource Management, Dr. Salmon will be responsible for managing the following offices within the Office of Science: Program Direction and Analysis; Grants and Contracts; Budget; Business Policy and Operations; Human Capital Resources; and The Office of Scientific and Technical Information. As one of three Deputy Directors of the Office of Science, Dr. Salmon will report to the Director of the Office of Science.
thinkprogress.org/2009/03/31/hersh-cheney-behind
When political appointees convert to civil service jobs before a change of administration, this is sometimes called "burrowing in" inside the Beltway.

*Q: Many questions might be asked of **Salmon** about **GMI, GCSCT1998** and other topics, and his email logs at **DOE** might be interesting.*

James R. Schlesinger+
en.wikipedia.org/wiki/James_R._Schlesinger
www.sourcewatch.org/index.php?title=James_Rodney_Schlesinger
www.marshall.org/article.php?id=86 *(Wrote a piece for GMI with **Sproull** Dec 4, 2001)*
*Other participants included Albert Arking (Johns Hopkins U), Richard Cooper (Harvard U), Will **Happer** (Princeton U), David Legates (U of DE), Richard **Lindzen** (MIT), Rodney **Nichols** (Pres NYAS), Willam O'Keefe (President GMI), Roger Sedjo (Resources for the Future).*
*Many roles in US Government, listed here only for **GMI** 2005 Founder's Award, but of course, as a strong prioritizer of defense, a contrarian on climate change, and Director of Peabody Energy and Seven Seas Petroleum, he seems well-aligned with **GMI**.*
***Contrib:** R96-02, $15,500; Bush'00*
www.newsmeat.com/fec/bystate_detail.php?city=Washington&st=DC&last=schlesinger&first=james

David W. Scott+
Rice University, **Wegman** Panel member, distinguished statistician
www.stat.rice.edu/~scottdw
His C.V. references **Wegman** 6 times besides the **WR**:
2 book chapters he wrote for Wegman-edited books, 1986 and 2005.
4 sessions he organized in which Wegman was an invited speaker: 1987, 1987, 1989, 1990.

Wegman, **Said,** and **Scott** became Editors in Chief of a journal whose first issue was Jul/Aug 2009:
Wiley Interscience Reviews: Computational Statistics
www3.interscience.wiley.com/journal/122458798/issueyear?year=2009
www3.interscience.wiley.com/journal/122458798/home/EditorialBoard.html?CRETRY=1&SRETRY=0

Frederick Seitz+ 1911-2008
***Fields:** Solid state, nuclear-related*
***Locations:** CA; NJ; NY*
***Employers:** Rockefeller U President 1968-1978; **GMI** Cofounder 1984*

Connections: Jastrow; Nierenberg; Nichols *(@ Rockefeller 1970-1990)**; other*** ***GMI***
Agnew *(committee).*
Notes: *Pre-eminent solid-state physicist, but later cigarette consulting; wrote cover letter for* ***OISM****.*
*en.wikipedia.org/wiki/Frederick_**Seitz***
*www.sourcewatch.org/index.php?title=Frederick_**Seitz***
Wrote article for **Heartland**, 2001:
www.heartland.org/policybot/results/812/Do_people_cause_global_warming.html
Contrib: *D79, R94-02, www.newsmeat.com/fec/bystate_detail.php?st=NY&last=seitz&first=frederick*

Hilary Sills+ **(**See **Perhach** and **A.9**)
www.implu.com/lobby_firm/782
Lobbyist for electric utilities. She sends emails with CC: lists to interesting people.

S. Fred Singer+
Professor of Environmental Sciences Emeritus
University of Virginia
First Director of the National Weather Satellite Service
Fellow APS, AAAS, American Geophysical Union
Fields: *Space, atmospheric (long ago)*
Locations: *VA and elsewhere*
Employers: SEPP *(his personal think tank since 1990, actually a way have a lower-tax consulting business), i.e., he and his 1991-1999 wife, Candace* ***Crandall****, primarily*
Connections: *Too many to list, but especially strong with* ***GMI****,* ***Heartland****;* ***SEPP****;* ***ACSH*** *(****Enstrom*** *&* ***Nichols****);* ***CATO****;* ***NCPA****;* ***FoF****; NRSP.*
Starr *was on his board, and together wrote the* ***Singer****, (Revelle), and* ***Starr*** *article for Cosmos, just before Revelle's death, a somewhat murky affair.*
As of 9/25/09, ***SEPP*** *Board lists* ***Seitz****,Charles Gelman, David L. Hill (nuclear-LANL, etc), Board of Scientific Advisors still includes* ***Nierenberg, Starr,*** *C.J.F. Bottcher (Netherlands) and Tor Ragnar Gerholm (U Of Stockholm). Spoke at* ***Stilbs****' 2006 Stockholm Conference, with* ***Baliunas, Soon.***
Overlapped with ***Michaels*** *@ UVa.*
Notes: *Ohio State; Princeton PhD (1948)*
Really: ***SEPP*** *since 1990, has not been at UVa for many years.*
*www.sourcewatch.org/index.php?title=S._Fred_**Singer***
Scientific Advisor for ***ACSH*** *(American Council on Science and Health).*
He was involved with the 1982 Acid Rain Peer Review Panel (run by ***Nierenberg****), weakening the recommendations, fought CFC regulation later.*
Has organized petitions often. See ***[HOG2009],*** *Chapter 8, especially:*
"Statement by Atmospheric Scientists on Greenhouse Warming", 1992
"Heidelberg Appeal", 1992
Leipzig Declaration", 1995, 1997, 2005
www.sepp.org/policy%20declarations/statment.html
www.sepp.org/policy%20declarations/heidelberg_appeal.html
en.wikipedia.org/wiki/Leipzig_Declaration
****Climate publications:*** *not much in last few decades; several books; a few papers. Books include "Hot Talk, Cold Science" and with Dennis* ***Avery*** *"Unstoppable Global Warming - Every 1,500 Years*
Tobacco: *see:* ***TASSC****, and "Tobacco Industry Contractor" (especially 1993-1996) in:*
*www.sourcewatch.org/index.php?title=S._Fred_**Singer***
legacy.library.ucsf.edu/tid/pwc42f00
www.sourcewatch.org/index.php?title=Science%2C_economics%2C_and_environmental_policy:_a_critical_examination
He also was lead author on "The EPA and the Science of Environmental Tobacco Smoke", 1994.,
legacy.library.ucsf.edu/tid/ech40c00/pdf?search=%22singer%20jeffreys%20epa%20environmental%20smoke%22
tobaccodocuments.org/nysa_ti_s3/TI10841120.html
www.desmogblog.com/no-apology-is-owed-dr-s-fred-singer-and-none-will-be-forthcoming
www.desmogblog.com/singer-copendenier-cigarettes-ozone

www.desmogblog.com/sites/beta.desmogblog.com/files/Smtr65e00.pdf
www.sepp.org/Archive/weekwas/weekwas.html is his useful archive of weekly newsletters.
Contrib: *R05-08,*
*www.newsmeat.com/fec/bystate_detail.php?city=ARLINGTON&st=VA&last=**singer**&first=fred*

Fred Smith+
CEO & Founder, CEI
http://www.sourcewatch.org/index.php?title=Fred_Smith
Heartland "Global Warming" Expert.

Lawrence Solomon+ Canada
Writes "The Deniers" series for the National Post, collected in **[SOL2008].**
scienceblogs.com/stoat/2008/06/who_is_lawrence_solomon_and_wh.php

Willie H. Soon+
Harvard-Smithsonian Center for Astrophysics
Fields: *Astrophysics*
Locations: *CA; MA*
Employers: *Harvard-Smithsonian Center for Astrophysics (H-S cFa)*
Connections: *Often writes with **Baliunas**. Advisor to **GMI,** SPPI**;** has written for Fraser Institute, **Heartland**; co-authored **OISM** report.*
Soon *coauthored at least 7 papers (1989-1992) with thesis advisor **Kunc** @ USC.*
Notes: *USC aerospace engineering PhD 1991*
*en.wikipedia.org/wiki/Willie_**Soon***
*www.sourcewatch.org/index.php?title=Willie_**Soon***

Roy W Spencer+
NASA; U of Alabama, Huntsville
Fields: *Climatology*
Locations: *AL*
Employers: *NASA; UAH*
Connections: *Writes with **Christy**, including 1990 **GMI** paper, Director **GMI.***
otes: *U of Michigan atmospheric sciences BS 1978**,** U Wisconsin meteorology PhD 1981**.***
NASA Marshall -1991, then UAH.
www.drroyspencer.com/
*en.wikipedia.org/wiki/Roy_**Spencer**_%28scientist%29*
theevolutioncrisis.org.uk/testimony2.php

Robert L. Sproull+
Cornell; Rochester
Fields: *Atomic & Solid state*
Locations: *NY-Upstate West*
Employers: *Cornell; DARPA (1963-64); Cornell; U of Rochester 1968-*
Connections: Jastrow, Nierenberg, Seitz, Nichols (via GMI). *Surely knew **Douglass, Knox** at UofR.*
Notes: *Cornell PhD*
Cornell paper 1943, then at RCA, Princeton, then back at Cornell
prola.aps.org/abstract/PR/v67/i5-6/p166_1
*prola.aps.org/search/field/author/**Sproull**_R_L*
U of Rochester: provost 1968-1970, VP 1971-1975, President 1975-1984.
Retired 1985, Professor Physics.
*en.wikipedia.org/wiki/Robert_**Sproull***
www.rochester.edu/gradstudies/sproull.html
*He consulted for paper in 2001 with Arking (JHU), Cooper (Harvard), **Happer** (Princeton), Legates (Delaware), Lindzen (MIT), **Nichols** (NYAS), **Schlesinger** (Defense), Sedjo (RFF). Was listed as Emeritus Professor.*
*Listed as co-author with **Schlesinger**:*

www.marshall.org/pdf/materials/86.pdf
Was on **GMI** Board 2002-2008.

Chauncey Starr+ 1912-2007
ORNL; Rockwell-Atomic International; UCLA; **EPRI**
Fields: *Nuclear power; risk analysis*
Locations: *TN; CA-Los Angeles; CA-SF Bay Area*
Employers: ORNL *(Manhattan Project); Rockwell-Atomic International; UCLA;* ***EPRI***
Connections: Seitz (old associate); GMI (Starr was Director); Nierenberg *(Dir @* ***EPRI****).*
He and ***Lewis*** *were both American Nuclear Society award winners.*
Grant *(via* ***EPRI****, wrote articles together).*
On Board of Science Advisors for Fred ***Singer****'s* ***SEPP****,*
Cowrote paper with ***Singer*** *and (Revelle (not really, murky))*
Notes: *Rensselaer BS EE 1932, physics PhD 1935. Possible* ***Giaever*** *connection?*
*en.wikipedia.org/wiki/Chauncey_**Starr***
www.rpi.edu/about/hof/starr.html
*www.sourcewatch.org/index.php?title=Chauncey_**Starr***
Contrib: *R01-02; R:$1,000*
www.newsmeat.com/fec/bystate_detail.php?st=CA&last=starr&first=chauncey

Margot Thorning+
ACCF – Senior VP and Chief Economist
www.accf.org/officers/4/margo-thorning
www.exxonsecrets.org/html/personfactsheet.php?id=359
www.marshall.org/article.php?id=93 09/02/02 The Kyoto Protocol Threatens European Economies
www.globalwarmingheartland.org/experts.html
She did a **GMI** Roundtable, is a **Heartland** ""Global Warming Expert", and shows up on email in **A.9.3**.

Joe Walker+
API – wrote **GCSCT1998** memo.

Dennis Wamsted+
Wrote "Doctoring the Documents?" 05/22/1996, basically passing along **GCC**'s attack on Ben Santer, and printed **Singe**r's on 06/20/1996, with Ben Santer's reply sandwiched between.
www.sepp.org/Archive/controv/ipcccont/Item04.htm

Anthony Watts+
http://wattsupwiththat.com/
This is one of the most popular anti-science sites. It was supposed to disprove temperature calculations by taking pictures of weather stations, without doing statistical analysis, and showing that badly-sited ones were distorting the results. They weren't.

Edward J. Wegman+
Professor and Director, Center for Computational Data Sciences**, GMU** (current)
www.galaxy.gmu.edu/stats/faculty/wegman.html
www.galaxy.gmu.edu/stats/faculty/wegman.resume2.pdf
en.wikipedia.org/wiki/Edward_Wegman
www.galaxy.gmu.edu/stats/colloquia/AbstractsFall2007/TalkSept7.pdf *[SAI2007]* see **A.11**
Wegman is a distinguished statistician.
His Panel included a long-time off-and-on associate (**Scott**, see comments there) and a recent (2005) PhD student and frequent co-author (**Said**). The **WR** thanked a recent MS student and occasional co-author (**Rigsby**), and a then-current PhD student (**Reese**) for their help. {SAI2007] mentions that another person dropped out. The **WR** strongly criticized the social network in climatology, a fairly small field, and of course a tiny fraction of climate science. Statistics is a huge field, so it seems odd that a panel would be composed of Wegman, a long-time associate, a recent PhD student, with help from two more students.

His resume lists an interesting possible connection
"Strategic Defense Initiative Organization, Innovative Science and Technology Office, Washington, DC: development of the ultra high speed computing research program, 1985-1986"
GMI was started in 1984 to support President Regan's SDIO, aka "Star Wars", and **GMI** has generally had Board members involved with this topic, such as **Canavan**, and that might have been a connection, although there are so many overlaps of government agencies and consultancies it is hard to tell.

In any case, **[SAI2007]** (in detail in **A.11**) offers a very different perspective.

Finally, Wegman was listed as a signatory to the 12/18/07 **BALI2007** letter. Regardless of what he may have thought in 2005-2006, by 2007 he seems to bought the standard anti-science viewpoint. That letter was filled with classic anti-science statements, including:
"…there has been no net global warming since 1998. That the current temperature plateau follows a late 20th-century period of warming is consistent with the continuation today of natural multi-decadal or millennial climate cycling."
This is only believable to those who know nothing about the statistics of time series whose yearly random noise is substantially larger than the yearly average trend. **Wegman** is a distinguished statistician. The second requires disbelief in Conservation of Energy and the basic Greenhouse Effect.

Andrew Wheeler+
Staffer on Senate EPW, Staff Director/Chief Counsel, 04/01/02-01/25/09, i.e., worked for **Inhofe.**
He was on 02/10.05 Panel hosted by **GMI+CEI.**

Rep. Ed Whitfield+ (R-KY)
whitfield.house.gov
en.wikipedia.org/wiki/Ed_Whitfield
Chaired House Energy&Commerce Subcommittee on Oversight and Investigations
archives.energycommerce.house.gov/reparchives/108/Hearings/07272006hearing2001/The_Honorable_Ed_Whitfield.htm
"Dr. Wegman's independent committee found and reported that Dr. Mann and his coauthors incorrectly applied a statistical methodology that would preferentially create hockey stick shapes…"
www.opensecrets.org/politicians/industries.php?cycle=Career&cid=N00003467&type=I
Staffer **Paoletta** appears in **[SAI2007].**

Lynn Willis+
VP Operations, **GMI**, 2002-

A.8 – Miscellaneous Documents 1990-1997

This is a placeholder, now unused.

A.9 – Miscellaneous Documents and emails 1998-2006

The next few sections show some interesting email, which surely must be only a tiny slice of those that might be found, as even minor events get broadcast. I haven't had time to track down all the names, but Washington, DC people would likely recognize many more. I certainly recognize some.
FOIA has some reasonable uses, like these, which some might like to prevent:
en.wikipedia.org/wiki/Freedom_of_Information_Act_%28United_States%29

Caveat: Just because someone is listed as a recipient of an email does not imply that they wanted to get it, or agreed with it, or answered it, but email address listings can be good guides to further inquiry.

A.9.1+ 06/03/02 Email Ebell to Cooney ("Phil, thanks for calling")

www.greenpeace.org/international/assets/binaries/ceimemo.swf
See also en.wikipedia.org/wiki/Philip_Cooney

A.9.2+ 02/22/03 Email Sills to Perhach, etc, recommending Essex+McKitrick talk

georgewbush-whitehouse.archives.gov/ceq/foia/cei/2_arms_233.pdf
This list usefully show both names and email addresses. Sometimes PDF scans are not perfect, so I may missed a few errors, for which a review of the original will help. I have edited out UNKNOWN lines and redundancies, and have emboldened names of particular interest here and in the later emails. I have not yet checked many out, but Washington, DC folks may easily recognize more..
House and Senate emails are plentiful, as are energy companies, lobbyists and a few familiar others.

Sills had a good list of people, and she was on **Ebell**'s email list, as is clear at the end.
Here, she urged a mixed group of folks to attend **Essex&McKittrick** (sic) talk, and recommends [ESS2002].
She has heard **McKitrick** before, probably October 11, 2001.

"CREATOR:hsills <hsills@starpower.net>
CREATION DATE/TIME:22-FEB-2003 16:24:24.00
SUBJECT:: Fw: Invitation to Cooler Heads Coalition briefing by the authors of Taken by Storm

TO:louisRenjel@epw.senate.gov
TO:"Ditto, Joy" <JDitto@APPAnet.org>
TO:michael.goo@house.mail.gov
TO:rebecca.hyder@mail.house.gov
TO:scottdefife@mail.house.gov
TO:Tongour@tongoursimpson.com
TO:teresa **gorman** <tagorman@mindspring.com>
TO:"Scott Aliferis (E-mail)" <saliferis@autoalliance.org>
TO:Phil **Cooney** (CN=Phil Cooney/OU=CEQ/O=EOP@EOP [CEQ I)
TO:McLane Layton <McLaneLayton@nickles.senate.gov>
TO:lpickfordt@morganimeguire.com
TO:kevin kolevar kevin.kolevar@hq.doe.gov
TO:jonathan tolman jonathan.tolman@mail.house.gov
TO:"Jay Morgan (E-mail)" <jmorgan9@ford.com>
TO:Elizabeth A. Stolpe(CN=Elizabeth A. Stolpe/OU'=CEQ/O=EOP@EOP[CEQ I
TO:Bryan Hannegan <Bryan Hannegan@energy.senate.gov>
TO:"Blood, Rebecca" <RBlood@APPAnet.org>
TO:Aloysius **Hogan** <aloysius hogan@inhofe.senate.gov
TO:john-shanahan@epw.senate.gov
TO:Kasey Gillette <Kasey_Gillettec@graham.senate.gov>
TO:alan.hill@mail.house.gov
TO:jack.victory@mail.house.gov
TO:lem.smith.mail.house.gov
TO:TimXavier(@aol.com

TO:steven meeks <steven meeks@chambliss.senate.gov>
TO:"Rae Cronmiller (E-mail)" <rae.cronmiller@nreca.org>
TO:Michael Whateley<MichaelWhatley@epw.senate.gov>
TO:"Mac McLennan (NRECA) (E-mail)" <mac.mclennan@nreca.org>
TO:larisa dobriansky <larisa.dobriansky@hq.doe.gov>
TO:josh jordan <josh jordan@chambliss .senate.gov>
TO:john_peschkel@rpc.senate.gov
TO:George O'Connor <George_O'Connorc@craig.senate.gov>
TO:Bridget Walsh <BridgetWalsh@billnelson.senate.gov>
TO:bob meyers <bob.meyers@mail.house.gov>
TO:andrew **wheeler**@epw.senate.gov
TO:Kameran L. Onley(CN=Kameran L. Onley/OU=CEQ/O=EOP@EOP[CEQ
TEXT:
I am reading this book, and it is very, very informative- on the science of climate change, what we know, what we don't know. I have been to presentations by Ross McKittrick, an economist, on various polices for limiting ghg emissions, and he is very smart and insightful. I strongly recommend this briefing to you if you would like to gain a fuller and better understanding of the science of climate change and economics of various proposed policies. If you are able to attend, please rsvp to mebell@cei .org.
--- Original Message-
From: "Hilary Sills" <hhsillsc@starpower.net>
To: "hilary sills" <hsills@starpower.net>
Sent: Saturday, February 22, 2003 1:45 PM
Subject: Fw: Invitation to Cooler Heads Coalition briefing by the authors of
Taken By Storm, Thursday, 27th February, 2:30 PM, 406 Dirksen
•- ---Original message ---
• From: Myron Ebell <mebell@cei.org>
• To: Myron Ebell <mebell@cei.org>
• Sent: Wednesday, February 19, 2003 12:32 PM
• Subject: Invitation to Cooler Heads Coalition briefing by the authors of
• Taken By Storm, Thursday, 27th February, 2:30 PM, 406 Dirksen
• [Please note that you don't have to RSVP because we're not serving lunch,
• but if you do then we'll be able to give you a copy of the book. If you
• attend without letting us know you're coming, then we might not have
enough
> books to be able to give you one. Please reserve a spot by e-mailing me
at
• mebell@cei.org or by ringing me at (202) 331-2256. Please include your
name, telephone number, e-mail address, and affiliation. My apologies if
• you receive this more than once. I am e-mailing to several lists.IThanks.)
> The Cooler Heads Coalition
• Invites you to a
• Congressional and Media Briefing
• with
• Christopher Essex
• and
• Ross McKitrick
• Authors of
• Taken By Storm J
• the Troubled Science, Policy,
• and Politics of Global Warming
> Thursday, February 27
> 2:30-4:00 PM
> 406, Senate Dirksen Office Building
> Reservations are requested.
> Please RSVP by calling (202) 331-2256;A
> Or by e-mail: mebell@cei.org.”

A.9.3+ 04/05/2004 Email Sills to Perhach and others, mocking Pew Climate Center

georgewbush-whitehouse.archives.gov/ceq/foia/cei/2_ex_695.pdfl

"From: hsills [hsills~starpower.netl
Sent: Monday, April 05, 2004 11:41 PM
To: Walt Buchholtz; torn altmeyer; **teresa gorman**; Scholes, Dallas (Enzi); Ryan_jackson@epw.senate.gov; Rayola Dougher; Rae Cronmiller (E-mail); **Cooney, Phil**; Paul_ Georgia@rpc.senate.gov; **Myron Ebell**; **mthorning@accf.org**; Mormino, Brian (EPW); Michael Catanzaro; Mark Washko (APCA) (E-mail); marc meteyer; mandi_mckinley@allard.senate.gov; lou pugliaresi; Long, Rob; larisa dobriansky; lance.wenger@mail.house.gov; **kitty.s.cochrane@exxonmobil .com**; O'Donovan, Kevin M.; ken flanz@crapo.senate.gov; june whelan; jonathan tolman@epw.senate.gov; John Shanahan; John peschke; joe stanko; joby.fortson@mail.house.gov; Jeffrey Marks; janette pablo; George O'Connor;IN **FPalmer@peabodyenergy.com**; dridenour@nationalcenter.org; Debbie_S._ Fiddelke@ceq .eop-gov; David F Mitchell; dave McCarthy; Dan Scherder; Coon, Charli; chris-heggem@burns.senate.gov; CHornerLaw@aol.com; celiaWallace@thomas.senate.gov; Burman, Brenda (Kyl); Brian T. Petty; bob reinstein; bob rainey; bob meyers; **bob ferguson**; Blood, Rebecca; barbara bankoff; **andrew wheeler@epw.senate.gov**; **randy randol**; karen kerrigan; al collins; paul cicio; **bill okeefe**; tom barney; jerry mcphee; e steadman; jay morgan; sandy bourne; **marlo lewis**; pat richards; Bob Greco (E-mail); Russell Jones; Mark Whitenton (E-mail); **clouds@api.org**; Holmes,Connie; fsmith@consumeralert.org; **FRED SM ITH**; **fred singer**; **david wojick**; **imurray@cei.org**
Subject: Pew Climate Center Soldiers On …."

mthorning@accf.org = Margot **Thorning**
Chornerlaw@aol.com = Chris **Horner** @ CEI
Randy Randol = ExxonMobil (at **GCSCT1998**)
Bob Ferguson = **Fof/CSPP**, then **SPPI**.
Marlo Lewis = **CEI**
clouds@api.org = unknown to me, but obviously **API**, American Petroleum Institute
FRED SMITH = **CEI**
David Wojick = www.exxonsecrets.org/html/personfactsheet.php?id=1174

A.9.4+ 06/09/04 Email Sills to Perhach and others

georgewbush-whitehouse.archives.gov/ceq/foia/cei/2_ex_597.pdf
From: hsills [hsills@starpower.netl
sent: Wednesday, June 09, 2004 2:35 PM
To: tgrove@oppd.com; Swaney, Katie (TALENT); SVoyles@csu.org; Spooner, Brad; Segner, Sharon (Alexander); Schryver, David; Scholes, Dallas (Enzi); sasmith@cps-satx.com; ryanjackson@epw.senate.gov; RSKIZER@santeecooper.com; roger.duncan@austinenergy.com; Roger Fontes; Robert Talley; rmeyer@amp-ohio.org; rebecca.hyder@mail.house.gov; Rainey, Bob; Rae Cronmiller (E-mail); Quin Shea; Pugh, Theresa; peter.uhlmann@mail .house.gov; Paul Georgia@rpc.senate.gov; paul eiwing; Nipper, Joe; Nielson, Scott; mrandall@cps-satx.com; mkanner@kannerandassoc.com; michael.goodman@mail.house.gov; mandi mckinley@allard.senate.gov; lpickford@morganmeguire.com; lance.wen-ger@mail .house.gov; kirk_johnson@nreca.org; ken flanz@crapo.senate.gov; Kasey Gillette; josh jordan; jordon logue; jonathan_tolman@epw.senate.gov; john_stoody@bond.senate.gov; jim.harding@ci.seattle.wa.us; jhudson@santeecooper.com; jani.revier@mail.house.gov; janette pablo; Janet Woodka; Henry.Eby@lcra.org; grace.warren@mail.house.gov; Goo, Michael; frank crane; emily duncan@bayh .senate.gov; elizabeth .assey@mail.house.gov; Early, Carrie-Lee; dpadgett@csu.org; dkahle@les.com; Ditto, Joy; dick hayslip; deborah sliz; david Lock; dalvarez@mayor.lacity.org; Curry, Jeff; Cronmiller, Rae; creastma@srp.gov; Crane, Frank; chuck manning; chris_heggem@burns.senate.gov; charles vacek; celia Wallace@thomas.senate.gov; Carol Whitman (E-mail); Burman, Brenda (Kyl); Bridget Wal@sh_; Brian T. Petty; brad spooner; bob reinstein; Blood, Rebecca; **bill okeefe**; bill neal; bethjafari@cornyn.senate.gov; benl@cei.org; ben_hansen@bennelson .senate.gov;

behoffma@srpnet.com; bbeebe@smud.org; Bartlett, Suzanne M. - Legislative Affairs Analyst; Barry Moline (E-mail); aleix@jarvis@lgraham .senate.gov; aleander beckles; alan.hill@mail.house.gov; al collins; berdell knowles; james stanfield; farzie shelton; yolanta jonynas; jenette curtis; Bob Kappelmann; bud para; mark mccain; amy zubaly; susan schumann; Denise Stalls; jcmcclu@nppd.com
Subject: Fw: Copenhagen Consensus
My Summary: Lomborg is right, great work, so no problem!

A.9.5+ 07/14/04 Email Gorman to Perhach, Sills, and others

georgewbush-whitehouse.archives.gov/ceq/foia/cei/2_arms_233.pdf
*For some reason, **Gorma**n was forwarding **Sills'** earlier email, to many of the same people.*

"From: Teresa Gorman [tagorman@cDmindspring.com]
Sent: Wednesday, July 14, 2004 4:33 PM
To: 'hsills'; Onley, Kameran L.; '.Aloysius Hogan'; andrew wheeler@epw.seflate.gov; 'Blood, Rebecca'; 'bob meyers'; 'Bryan Hannegan'; 'Bridget Walsh'; Stolpe, Elizabeth A.; 'George O'Connor'; 'Jay Morgan (E-mail)'; john echerpc.senate.gov; 'josh jordan'; 'kevin kolevar'; 'larisa dobriansky'; lpickford@morganmeguire.com; 'Mac McLennan (NRECA) (E-mail)'; 'McLane Layton'; 'Michael Whatley'; Cooney, Phil; 'Rae Cronmiller (E-mail)'; 'Scott Aliferis (Email)'; 'steven meeks'; TimXavier@aol .com; Tongour@tongoursimpson .com; lem .smith@mail .house.gov; scottdefife@mail.house.gov; jack.victory@mail .house.gov; rebecca.hyder@mail .house.gov; alan .hill@mail .house.gov; michael.goo@house.mail .gov; 'Kasey Gillette'; 'Ditto, Joy'; john shanahan@epw.senate.gov; louis Renjel@epw.senate.gov
Subject: RE: Invitation to **CHC** briefing by the authors of Taken By Storm, Thursday, 27th February, 2:30 PM, 406 Dirksen
---- original message ---
From: hsills (mailto:hsillsf@starpower.net]
Sent: Saturday, February 22, 2003 4:25 PM"
(remainder of earlier message)

A.9.6+ 06/24/05 Email Ebell to Perhach (*and likely, others*)

www.slideshare.net/whitehouse/cei-email-62405
McGinley is listed as Author (or rather PDF-maker) of the letters from **Barton** and **Whitfield,** with following creation dates:
republicans.energycommerce.house.gov/108/Letters/062305_pachauri.pdf
Created 06/24/2005 4:11:21 PM
republicans.energycommerce.house.gov/108/Letters/062305_mann.pdf
Created 06/24/2005 4:13:18 PM
republicans.energycommerce.house.gov/108/Letters/062305_Bradley.pdf
Created 06/24/2005 4:13:18 PM
republicans.energycommerce.house.gov/108/Letters/062305_hughes.pdf
Created 06/24/2005 4:14:35 PM
republicans.energycommerce.house.gov/108/Letters/062305_bement.pdf
Created 06/24/2005 4:15:07 PM
About 90 minutes later, **Ebell** had mailed a combined copy to **Perhach**.
*Q: Late Friday afternoon, how did **Ebell** find/get these so quickly? Or did he have earlier copies?*
.At 5:47 PM **Ebell** emailed a copy of the letters to some BCC (Blind Copy) list
(It looks addressed to himself, but this is a common way to send to a BCC list: place one's own email in the **To:** field.) In any case, one went to **Perlach** in the White House. His email mentions:
http://energycommerce.house.gov/108/Letters/06232005_1570.htm, which is where the file was at that t

A9.7+ 06/29/05 Email Ebell to Perhach (*and likely, others*) on "McLieberman")

georgewbush-whitehouse.archives.gov/ceq/foia/cei/2_ex_3.pdf
"The viro pressure groups can spin this as much as they want and take out as many full-page advertisements as they can afford. The fact is that the big vote against McLiebermian and the withdrawal of the Bingamnan-NCEP amendment are tremendous defeats for the forces of darkness."

A.10 – Notes on Wegman Report (WR)

en.wikipedia.org/wiki/Edward_Wegman has good set of links
republicans.energycommerce.house.gov/108/home/07142006_Wegman_Report.pdf

A.10.1 Plagiarism

[INFINITE THANKS TO DC … this might be compared to the first report of the Watergate burglary]
[DEE2009] deepclimate.org/2009/12/17/wegman-report-revisited
[DEE2009a] deepclimate.org/2009/12/22/wegman-and-rapp-on-tree-rings-a-divergence-problem-part-1
[DEE2010] deepclimate.org/2010/01/06/wegman-and-rapp-on-proxies-a-divergence-problem-part-2
en.wikipedia.org/wiki/Plagiarism

In academe, proven purposeful (or "malicious") plagiarism is serious. I do not know a widely-accepted term for the following process, *for which "malicious" seems inadequate*, but "purposeful deception" will do. Sometimes plagiarism happens by laziness, sometimes it is done to manufacture unmerited credibility, and sometimes it is even done to discredit the source's ideas. DC's fine sleuthing uncovered the following:

1) Start with an expert's text, in this case Raymond S. Bradley's **[BRA1999].**
2) Use a few (properly-cited) tables from Bradley(1999), and mention it a few places.
3) Copy several substantial sections without proper attribution. Accidents happen, although this seems odd in a high-profile report highly critical of others' behavior.
4) Paraphrase some sentences, and sometimes introduce errors, or serious omissions that show clear lack of understanding. That does not happen by accident.
5) Change a few parts, to introduce extra uncertainty into discussions found inconvenient.
6) Change important parts to actually invert meanings to something preferred, with zero justification or citation. When non-experts do that to expert text, something is really wrong, and it takes some skill and knowledge to do this subtly, although it is easier if the target audience is not professional, but the general public. Even very smart people with good math backgrounds can get confused.

For 4), one need know nothing about tree rings, but can look at DC's side-by-side PDFs and see classic purposeful plagiarism via direct copy, trivial rewordings or straightforward simplifications of textbook language. Given the serious consequences, the reader should verify that DC indeed used the right words from both **[WEG2005]** and **[BRA1999]**. I own both and did so, but others should do so also.
For side-by-side comparisons, see:
[DEE2009b] deepclimate.files.wordpress.com/2009/12/wegman-bradley-tree-rings.pdf
[DEE2010a] deepclimate.files.wordpress.com/2010/01/wegman-bradley-ice-cores-corals1.pdf

For 5) one needs to understand a little more, and read material that describes changes made to weaken Bradley's text, but this is easily visible in the very first paragraph of DC's side-by-side:

"**and even carbon dioxide availability in the atmosphere**. **Obviously there are many confounding factors** so the problem is to extract the temperature signal and to distinguish the temperature signal from the noise **caused by the many confounding factors."**

Someone twice added confounding factors, in the very first paragraph of tree-ring discussion, rather important to this whole topic. A casual reader might think that paleoclimatologists were unaware of such factors. Bradley's book has 600 pages, of which many discuss the methods for identifying and dealing with such factors.. *That is what paleoclimatologists do, since they have to extract signal from ancient, noisy data that cannot be gotten by rerunning experiments in a lab.*
Said was still mentioning confounding factors in 2007, see **A.11**, discussion of p.10.

For 6) more specific knowledge is needed, but on page 3 of **[DEE2009b]**, DC shows that a change that actually inverts important information. Bradley explains how low frequency information is extracted, the **WR** says tree-rings are "not usually effective". Then, at the end of page 3 it says:

"*As pointed out earlier, many different sets of climatic conditions can and do yield similar tree ring profiles. Thus tree ring proxy data alone is not sufficient to determine past climate variables.*"

This directly inverts Bradley, who explains the calibration techniques to deal with this issue.

A.10.2 Where did this text come from?

That is unclear, but **McIntyre & McKitrick (M), Spencer (S),** and **Wegman, Scott, Said (W)** are the obvious first 6 people to ask. The text needs to get from Bradley's book, then must be transmitted, and finally, modified. Any of the following might occur, in the process of starting with Bradley text and transforming it to **the WR,** where the first one in the chain copies the text and the **Bold Underlined** one makes the changes:

		W	**1**
	S →	**W**	**2**
	S →	W	3
M&M →		**W**	**4**
M →		W	5*
M ➔	S ➔	**W**	**6**
M ➔	**S** ➔	W	7
M ➔	S ➔	W	8**

W (1, 2, 4, 6) implies the Panel understood Bradley well enough to make the changes.
S (3, 7) implies **Spencer** knew enough, and **W** just took his work.
M (5, 8) implies that **M** copied and modified, and **W** accepted it.
Cases 4 and 5 implies that **M** was working directly with **W**, and they accepted.

Q: Of course, I cannot know, but some people do, and perhaps they should be asked.
*Q: I have difficulty finding any of these 8 cases that are simultaneously independent, objective, and expert. Perhaps I am missing one. Usually real experts are careful to evaluate the credibility of their sources for areas in which they are not experts. Certainly, the tree-ring discussion was not competent. It is an interesting idea to think a **Barton** staffer **Spencer** would happen to be an expert in this domain, and objective.*

However, **[SAI2007]** says that **S** sent **W** a "daunting amount of material to review". *Obviously **M** had actually been studying this before, hence were familiar with Bradley, and knew enough to make changes. Likewise, as discussed elsewhere, elaborate efforts were taken to make **W** seem indepe*ndent.
Q: Does the best guess seem 8, followed possibly by 5?

A.10.3 The Grey References

Knowing that **Spencer** was the supplier of much material, and then looking at the references tells one something about the process. Some useful discussion of "grey literature" occurred at Deep Climate: deepclimate.org/2010/01/07/donald-rapp-more-divergence-problems

Anti-science people try very hard to get favorable pieces into credible peer-reviewed journals, but this rarely succeeds. So, common tactics to confuse the public include:

A. Reference reports on think tank websites with official-sounding names.
B. Reference books, which can of course say anything.
C. Find a sympathetic editor.
D. Find a naïve editor or one outside the field.
E. Publish a reasonable paper on one topic, but that references grey papers to boost their visibility.
F. Include many reasonable references, whether or not they are even properly used, or even whether they say anything relevant. These can be hard to check out, but look good.
G. Reference substantial numbers of OpEds or popular press articles.
H. Reference many reasonable papers as well, for a semblance of credibility.

None of this fools professionals, or even experienced nonprofessionals. For example, **E&E** is really not taken seriously. The Report lists 80 references (pp.52-59), of which I excerpt some that leap out as odd. That does not mean everything remaining is good, *but some of these simply do not belong in a credible research effort. Some would be truly bizarre choices if done by an independent panel surveying literature, but could easily appear if someone selected many of the sources with a particular slant. For example, if I needed to convince someone that global warming was not happening, I have a good list of books to feed them, and from experience, many intelligent people can get pulled into a completely different worldview. If I were a climate scientist, I would know more of these papers offhand, and know whose work was strong and whose wasn't. Blogger "Eli Rabett" (a scientist) had good comment in:*
rabett.blogspot.com/2009/12/god-will-know-his-own.html
*"*The literature has tended to inclusion because in small fields, everyone except the clowns, knows who the clowns are, and what the journal of last resort is. Email sped up the cycle in which problem papers are identified and subsequently ignored. In an expert oriented literature, the experts know what papers to ignore. Occasionally the error is subtle or so outrageous that a comment is needed and allowed by the embarrassed editors. Even less occasionally a bad paper raises serious issues that must be explored more thoroughly. In the past, when outsiders (governments, industries) needed an understanding groups of experts were assembled and told to first figure it out and then to dumb it down, thus the various national research councils, the IPCC, NIH and FDA panels, etc."

Hence, it is harder for an outsider to know offhand that something is good, but some of the bad ones are easily spotted. Good scientists usually wait a bit before ascribing strong belief to really recent papers, which is why IPCC uses cutoff dates, for example.

Q: For each of the references, it would be nice to know who provided it, ***WP, Spencer, or*** *someone else through* ***Spencer.***

p.52
*"***Academic Papers and Books"**

Anderson, Richard G. (2006) "Replicability, real-time data, and the science of economic research: FRED, ALFRED, and VDC," *Federal Reserve Bank of St. Louis Review*, 81-93.

Anderson, Richard G., Greene, William H., McCullough, Bruce D., and Vinod, H. D. (2005) "The role of data and program code archives in the future of economic research," Federal Reserve Bank of St. Louis, Working Paper 2005-014B.

*Q: Those two are odd sources. Despite the use of time-series, economics is not climate science. The first paper argues for more sharing and archiving, noting "*Their recommendations are reproduced here because, although they sound scientific and sensible, most have been ignored in economic science." *The second complains about lack of data archiving in economics, but includes a seemingly-gratuitous footnote attacking Mann.*
A "Working paper at Federal Reserve" is not most people's idea of an academic paper. With all due respect to the relevance of economics to policy, might it be wise to know a little more about the science before writing about it. Why are these here?
ideas.repec.org/a/fip/fedlrv/y2006ijanp81-93nv.88no.1.html
ideas.repec.org/p/fip/fedlwp/2005-014.html

p.54
Center for Science and Public Policy (2005) "Climate change and the insurance industry: A critical look at the Cere report - Availability and affordability of insurance under climate change, a growing challenge for the U.S." The Center for Science and Public Policy, October 28, 2005.

Q: That is worse than odd. I make no comment on the quality of the report itself, which is:
ff.org/centers/csspp/pdf/ceres.pdf

*But that source is **CSPP**, an **ExxonMobil** funded center within **FoF**, run by **Ferguson**. Either they got this from **Spencer** or found* it *themselves. In either case, how "expert" is it to include a paper from such a source, treating it as an academic paper? Is it unreasonable to expect distinguished statisticians to exercise a tiny bit of critical thinking?*

p.55

Lindzen, Richard (2005) "Understanding common climate claims," to appear
Proceedings of the 2005 Erice Meeting of the World Federation of Scientists on Global Emergencies is a talk for non-climate-scientists:
*Q: **Lindzen**'s views were well-known, and this paper was not for climate scientists:*
www.geocraft.com/WVFossils/Reference_Docs/Lindzen_2005_Climate_Claims.pdf
*It certainly does reference **M&M**. It also references **Singer**'s claims about Revelle, **Happe**r's claims about politicization of science, a **Soon** paper in **E&E**, for example. Thus is the paper with the silly "Republicans versus sunspots" chart (p.8) Again, did **Spencer** feed this to them, or did they find it?*
Does the panel put their reputation behind thinking that conference paper is good science?

p.56
*Q: Given the topic, it is probably necessary to reference the next two, but normally, **E&E** is considered "grey literature" or "journal of last resort for out-of-mainstream papers." Major journals publish papers they think actually matter. Did the statisticians not know about **E&E**?*

McIntyre, Stephen and McKitrick, Ross (2003) "Corrections to the Mann et al. (1998) proxy data base and Northern hemispheric average temperature series," *Energy and Environment*, 14, 751-771.

McIntyre, Stephen and McKitrick, Ross (2005a) "The M&M critique of MBH98 Northern hemisphere climate index: Update and implications," *Energy and Environment*, 16(1), 69-100.

p.57
Q: IPCC is listed equal to Newsweek articles, and four popular press articles discuss global cooling around 1975. A common anti-science meme is "Scientists predicted impending n.ice age in the 1970s", meaning they were wrong. They didn't and they weren't.
www.skepticalscience.com/ice-age-predictions-in-1970s.htm
ams.allenpress.com/perlserv/?request=get-abstract&doi=10.1175%2F2008BAMS2370.1
Such popular articles are irrelevant to the hockeystick discussion.
*Does this report really need more articles by **Lindzen (WSJ)**, **Legates (Financial Post)**, and **Michaels (Washingon Times)**? Does the panel place their professional credibility on articles in the Washington Times? Do they believe Marcel Crok? Why?*

Other Literature Including Articles in the Popular Press
Colligan, Douglas (1973) "Brace yourself for another ice age," *Science Digest*, 73(2), 57-61.

p.57
Crok, Marcel (2005) "Proof that mankind causes climate change is refuted: Kyoto protocol based on flawed statistics," *Natuurwetenschap & Techniek*, February 2005.

Gwynne, Peter (1975) "The cooling world," *Newsweek*, April 28, 1975.

Intergovernmental Panel on Climate Change (2001) *Climate Change 2001: Third Assessment Report*, IPCC (Especially Chapter 2: "Observed climate variability and change," Folland C. K. and Karl, T. R., coordinating lead authors).

Kerr, Richard A. (2006) "Yes, it's been getting warmer in here since the CO2 began to rise," *Science*, 312, 1854.

Legates, David (2005) "Where's the data?: holding science to prospectus standards would stop climate researchers from launching misrepresentations like the 'Hockey Stick'," *Financial Post*, September 20, 2005.

Lindzen, Richard (2001) "Scientist' report doesn't support the Kyoto Treaty," *Wall Street Journal*, June 11, 2001.

Michaels, Patrick J. and Douglass, David H. (2004) "Global-warming sciences meltdown," *Washington Times*, Aug 16, 2004, page A17.

Muller, Richard (2004) "Global warming bombshell," *MIT Technology Review*, www.technologyreview.com/BizTech/wtr_13830,296,p1.htm

NRC (1995) *Research-Doctorate Programs in the United States*, National Academy of Sciences, Washington, DC.

NOAA (2005) *SAP-1.1 Prospectus for Temperature Trends in the Lower Atmosphere: Understanding and Reconciling the Differences,* Climate Change and Assessment Program Synthesis and Assessment Product 1.1.

Sullivan, Walter (1975a) "Scientists ask why world climate is changing: Major cooling may be ahead," *The New York Times*, p. 92, May 21, 1975.

Sullivan, Walter (1975b) "Climatic changes by aerosols in atmosphere feared," *The New York Times*, pg. 1, September 14, 1975.

Zidek, James V. (2006) "Editorial: (post-normal) statistical science," *Journal of the Royal Statistical Society (A)*, 169, pt. 1, 1-4.

Presentations

p.57

McIntrye, Stephen and McKitrick, Ross (2005) "The Hockey Stick Debate: Lessons in Disclosure and Due Diligence," September 7, 2005

Q: Does that seem a proper citation? As it happens, it was a presentation at ***GMI****, May 11,* 2005. *Does it seem funny that* ***GMI*** *was never mentioned anywhere in the* ***WR****?* ***McIntyre&McKitrick*** *were both* ***GMI*** *"Experts", but that affiliation did not appear.*
www.marshall.org/pdf/materials/316.pdf

Q: Does the scholarship here seem up to normal standards of distinguished researchers? Or would undergraduates get flunked for it?

A.10.4 Statistics and Statisticians - Opinions

Fear not, this is not yet another rehash of the old arguments, but it is background, so the reader might easdilyskip it. I offer one general comment, derived from trying to model my thinking after John Tukey **[TUK1977],** one of the world's greatest statisticians. He worked at Princeton and Bell Labs, which used statistics extensively, and hence employed world-class statisticians. He was a strong proponent of balancing well-known confirmatory statistics with exploratory data analysis, on which much science really depends. Some favorite quotes were, via:
en.wikiquote.org/wiki/John_Tukey

"The combination of some data and an aching desire for an answer does not ensure that a reasonable answer can be extracted from a given body of data."

""Far better an approximate answer to the right question, which is often vague, than an exact answer to the wrong question, which can always be made precise."

Since he is deceased, we sadly cannot ask him what he would have thought about {MBH98, MBH99, MM05, **WR**}. I own that book, and. I also worked at Bell Labs 1973-1983. Papers to be published externally first needed reviews by 2 other divisions, and those reviews were widely regarded as tougher than external peer review in good journals. Papers with substantial statistics inevitably got reviewed by Tukey or his associates, so his worldview was known.

I would guess that he would have thought MBH98/99 got reasonable, if approximate answers, even if some statistics were flawed, because the flaws didn't really make much difference. Those helped point the way for further research that generally confirmed and refined the earlier work, and methods improved. I think he would have found successive paleoclimate reconstructions to be good science, and good examples of extracting signal from noise, a subject in which he had some expertise.

Tukey cared deeply about using statistics to help science find better answers. I think he would have been utterly appalled at endless wallowing in statistical minutiae in ways guaranteed to obscure insight, especially years after real science had moved on. Of course, that is just my opinion, and it could be wrong, but if someone has no exposure to him disagrees, they should try reading the first few pages of that book, still a classic, even if paper-and-pencil have been supplanted by computers.

I have long heard complaints from statisticians about not getting consulted enough, and in fact, that is often a legitimate complaint. I have personally fought a long, partially-successful battle to introduce more statistical methods into my old field of computer architecture. However, there are never enough statisticians in most places, especially universities, to really spend much time in long domain-specific joint analyses. Statisticians in academe usually publish in certain journals, not unfamiliar ones where paleoclimate reconstructions might appear. Likewise, universities do not normally insist on multiple-department internal review before allowing submission of a paper externally, and even if they did, nobody has the time to do very much of that. Finally, some science and engineering disciplines find that introductory statistics classes taught in Statistics seem to match social sciences or medicine better.

Bell Labs was very rare in having world-class statisticians whose jobs not only included doing their own research, but helping other employees, reviewing papers, and building tools to help non-statisticians do better statistics. (John Chambers' S, predecessor of R, came from the same organization as Tukey.) I would be ecstatic to see higher statistical literacy, but sometimes statisticians need more context about the science. Not understanding the science may well be more problematic than no being perfect on the statistics.

A.11 – Yasmin H. Said Presentation Sept 7, 2007 [SAI2007]

Experiences with Congressional Testimony: Statistics and the Hockey Stick 27 pages.
www.galaxy.gmu.edu/stats/colloquia/AbstractsFall2007/TalkSept7.pdf

[THANKS TO DC for leading me to this.]

Without this, much would have come out via testimony, but it certainly offered useful insights and pointers. ***Said*** *is obviously intelligent, but I am afraid she was astonishingly naïve and perhaps over-confident. This was an incredibly foolish talk to give and then leave on the Web*. One hopes this file will not vanish. **Emboldening** is mine. I've tried to select interesting pieces and trim irrelevant lines for space. Ideally, the reader should be looking at her slides at the same time.

p.3 Background

"Dr. Edward Wegman was approached by Dr. Jerry **Coffey** on 1 September 2005 concerning possible testimony in Congress about a statistical issue associated with paleoclimate reconstruction.
– This approach was based on independent recommendations from Dr. Fritz Scheuren, ASA100th President and from the National Academy of Science where Dr. Wegman chaired CATS.
– After the initial contact, Dr. Wegman received materials and a visit from Congressional Staffer Peter **Spencer**."

Q: How often does the House do detailed investigations of a few science papers?
Q: Why go through ***Coffey****, who has very strong views about politics and climate?*
Q: Why wasn't an independent panel sought through ASA or NAS?
Q: ***Said*** *is young, so perhaps she does not realize this is a bit odd. How about* ***Wegman****?*

p.4 Background

"– Peter **Spencer** explained that the House Committee on Oversight and Investigations was interested in understanding whether the criticism of the paleoclimate temperature reconstruction published by Dr. Michael Mann and his associates was meritorious.
• This curve was used in the 2001 Intergovernmental Panel on Climate Change (IPCC) to reinforce concerns about global warming.
• There had been some criticism of the statistical methodology, but this was not being taken seriously within the climate change community."

Q: Was the House Committee really interested in whether or not ***M&M****'s criticisms were meritorious? I.e., were they really interested in science, or something else?*
Q: *I have the IPCC TAR and have read much of it. MBH98/MBH99 were two papers amidst a vast number of peer-reviewed science papers. Did* ***Said*** *not understand how* ***Spencer*** *was framing this issue oddly? The MBH99 chart was surely used, not because it was the sole key pillar of evidence, but because it happened to have a graphic understandable to the general audience, unlike most others.*
Q: Is this a setup for "Good statisticians could fix this problem."?
Q: Do real scientists normally bother going back to 6-year-old papers, whose results have been supplanted by later papers, and generally confirmed, and then obsess over them?
Q: Recall the criticism is mainly from M&M. Most scientists did not care.
Q: If this was an analysis of the statistics, so why did so much of the ***WR*** *cover social networks?*

p.5 Background

"– Because of the public policy implications, the House Committee wanted an independent expert opinion.
• Dr. **Wegman** was asked if he would be willing to take on this task and would he form a small team to look into the issue.
• He agreed and recruited Dr. David W. **Scott** and me **as well as one other participant**, who later dropped out.

• We were warned that we should be prepared for criticism and that we should have thick skins.
• **Peter Spencer** began sending us a daunting amount of material for us to review over the next 9 months.

Q: Exactly what policy implications are there? The Earth's climate going forward is determined by conditions now, physics, chemistry, and biology, and human choices. Our knowledge of the past helps better constrain uncertainty, but has exactly zero effect on what happens next.
Is this a setup for "IF this paper is proved wrong, we can ignore IPCC and global warming?"
*Q: Did **Barton/Whitfield** really want an independent, expert opinion? Or just one that looked like that?*
Q: Who was the other participant? It might be nice to talk to them.
*Q: Criticism: Does that presuppose the (desired to **Barton/Whitfield**) outcome)?*

*Q: **Spencer** began sending us daunting amount of material.*

*Did **Wegman, Scott, and Said** never wonder whether **Spencer's** selection of material was objective? Was **Spencer** an expert? Was he getting it from someone else? Who? See **A.10.2**. think the result was shoddy scholarship, often based on "gray literature", **A.10.3.***

p.6 Background

"– Our approach was to serve as an honest broker and we made every attempt to approach the issue with an unbiased perspective.
• None of our team had any real expertise in paleoclimate reconstruction, but were arguably pretty good statisticians.
• The debate had become very polarized with Dr. Mann and his colleagues referred to as the "Hockey Team."
• His main adversaries were Steve McIntyre and Ross McKitrick, both Canadian citizens, who were usually unkindly referred to as the "Canadians."
• We saw ourselves as the "Referees" in the Hockey Game.
• The debate to a large extent was going on in weblogs
– www.realclimate.org vs www.climateaudit.org."

As for "unbiased", see **A.10.2 Plagiarism** and **A.10.3 References**.

*Q: Did **Said** really believe what she was saying? That might actually be possible. Did she have even the slightest understanding of the back-history leading to "polarization"?*
Q: Does anyone find any evidence of slant in this description? (I.e., "Hockey Team" versus "unkindly referred"?

p.6 Background

We agreed to serve Pro Bono.
– To avoid the perception that we were "bought" by the Republican Congress.
– To preserve our independence of either side of the debate.
– To avoid being coerced into a schedule that would be inconsistent with our other duties

Q: Are people "bought" only by money? Around Washington, DC? Anywhere?
*Q: How is getting much of the material from **Spencer** being independent?*
*Q: There was no time pressure, because "Under investigation" is a good talking point. Personally, I'd speculate that John Tukey would have disposed of this in a few hours. **See A.10.4***

p.6 Background

"The fundamental question was "Were the Canadians correct in the critique of the Hockey Team?"
• The 1990 IPCC report showed a very different curve with a warmer-than-current period from 1000 to about 1450.

Q: I think the fundamental question was carefully misframed to the Panel. Personally, I think this is like going back 10 years and auditing books for differences of a few dollars.
Q: The 1990 Report showed a curve from Central England, the best they had. Research had progressed a long way. What is the point of showing a long-obsolete 15-year-old chart?

p.10 Preliminaries

"…• There are many confounding factors…."

*Q: See **A.10.1**. Once again, an admitted non-expert emphasizes confounding factors.*

p.10 What we did

"Reviewed some 127 technical papers related to paleoclimate reconstruction.
– Demonstrated mathematically that the Mann et al. procedure introduces a bias that preferentially selects "hockey stick" shapes.
– Demonstrated computationally that correct centering reduces or eliminates the hockey stick shape.""

*But they didn't do what someone like Tukey would have (see [TUK9177] **Preface**), check to see if this made any difference. It didn't:*
www.realclimate.org/index.php/archives/2006/07/the-missing-piece-at-the-wegman-hearing
www.realclimate.org/index.php/archives/2006/08/followup-to-the-hockeystick-hearings
www.realclimate.org/wiki/index.php?title=The_hockey_stick_is_broken

p.17 What we did and did not say

"– We never suggested that there was not global warming.
– We did say that important public policy decisions depending on statistical analysis should have the benefit of expert statisticians.
– We did say that the Mann et al. methodology was faulty from a statistical perspective.
– We did say, in essence, that the criticisms of McIntyre and McKitrick were valid."

Q: Was Said inexperienced enough to believe this? How about the others? They had just produced a report widely trumpeted as having discredited the global warming, the IPCC, and Mann. Most real climate scientists did not believe that for an instant, but it was good for the public.

p. 19 Some reactions
"From Congress
– The Republicans liked our findings.
• It was interpreted as vindicating their skepticism on climate change although we never took a position on climate change.
• We were called great patriots by Congressman Joseph Barton.
– The Democrats didn't.
• In preliminary discussions, we were pressed hard not to testify on the social network analysis.
• Social network analysis was treated with great skepticism, even to the point of questioning us as to whether we had made this science up.
• We were repeatedly asked to testify on whether anthropogenic global warming was real or not.

*Q: For the last, **Wegman** was listed on the **BALI2007** letter, so if he actually signed that, he did not believe anthropogenic global warming was real. Did he actually sign that?*

p. 20 Some reactions
*"*From Congress
– The Democrats didn't.
• During the second hearing, then Democratic Congressman Henry Waxman made a sustained attack on Dr. Wegman's creditability without allowing him to respond.

• Fortunately, Dr. Ralph Cicerone, President of the National Academies was asked if Dr. Wegman were credible and he answered affirmatively.
• Subsequent to the second testimony, Democratic Congressman Bart Stupak sent a letter of inquiry to us asking for additional written testimony. This was obviously coached by the "Hockey Team" asking very detailed statistical questions.
• Our response was an additional 35 pages long."

*Q: Was there no "coaching" (direct or indirect) from the Canadians? See **A.10.1-A.10.3**.*

p. 21 Some reactions
From the Media
– Pro
• Wall Street Journal ran an editorial called "Hockey Stick Hokum."
– Con
• NPR ran sound bites quoting Dr. Wegman's honest testimony that he was not a climatologist, implying that he was not qualified to speak to the statistical issues.
• Other negatives included New York Times, Chronicle of Higher Education, Washington Post and Scientific American.
• All looked at the testimony superficially and assumed that finding statistical flaws was tantamount to denying global warming."

*Q: The Panel complained that paleoclimate people needed statistical help. Is it fair to say that the panel needed some serious science help? And spent time in statistical details losing the big picture? And either did seriously-malicious plagiarism, or were unable to recognize the incorrectness of what they published? See **A.10.1-A.10.3.***
*Q: Did **Said** understand the difference between science and PR?*

p. 22 Some reactions

"From the Media
– Fun facts
• The testimony was noted by newspapers as far away as Germany, England and Australia.
• We were interviewed on Saudi Arabian television on this topic.
• The report, popularly referred to as the "Wegman Report" was widely commented upon on the Web.
• Googling "Wegman Report" returned more than 15,000 pages containing that phrase.
• This testimony resulted in a page in Wikipedia being developed on Dr. Wegman."

Q: Is this not what was intended?

p. 23 Some reactions

"Invitations
– Good ones
• We were invited to participate in a workshop at the National Center for Atmospheric Research – pro anthropogenic global warming.
• We were invited to participate in a workshop by the **Marshall Institute** – anti anthropogenic global warming.
• We were invited by the **Annapolis Center for Science- Based Public Policy** to participate in a workshop on peer review.
– Bad Ones
• We were invited by the Provost, the Dean of the College of Science, and the Vice President for Research at GMU to explain our testimony."

*Q: Did she not understand the nature of **GMU** and **AnnapCtr**? Both are listed in **A.3.** Are they comparable to NCAR?*

p. 24 Some reactions
Writing Invitations
– Papers
• Statistical Science – on the hockey stick – not yet completed.
• Chance – on the Al Gore film, Inconvenient Truth – not yet completed.
• Computational Statistics and Data Analysis – on coauthor social networks – accepted for publication.
– Book
• By Wiley – The Heated Debate – under contract.

Q: Not bad for someone 2 years past PhD. However, her recent research seems to have gone in quite different directions. The book has certainly not yet appeared.

p. 25 Some reactions
"My Reactions
– Incredibly time consuming for no pay
• Great visibility
• No pay
– Almost deliberate misunderstanding by the press
• Hear what they want to hear, not what we said on both sides of the climate change debate.
– Almost personal attacks on the weblogs and by Congressmen very disappointing
• Credibility challenged, even personal attributes and manner of speaking remarked on.
– I would do it again.
• It was most interesting experience, but can't afford to do it too often."

Q: This seems a fair assessment. Many young academics would leap at such an opportunity for visibility like this, with speaking requests and book contracts. Attacks on personal attributes do seem unfair.

p. 26 Some Contacts

*Shows pictures with **Barton, Whitfield, Spencer, Paoletta,** Freeman Dyson, picture of George Bush.*

Bottom Line Opinion.
*Q: Would anyone who really understood what was happening give this talk, and then leave it up on the Web? She was the junior member of a team led by her Dissertation Advisor, patron, and frequent co-author **Wegman.** But there are many questions to ask her about how this all worked.*
I am honestly sorry for her, as any possible further hearings may not be so much fun.

11 A.12 Documents 2007-2010

The next two are update and continuation of the Science Bypass paper **[MAS2009].**.

A.12.1 Letter to Congress, 07/09/09 www.marshall.org/article.php?id=727

Marshall Institute's Dr. William Happer Signs Open Letter to Congress Challenging Climate Change Science July 9, 2009

Dr. William Happer - Marshall Institute Board Member and Professor of Physics at Princeton University - was among many distinguished scientists asking Congress to dismiss alarmist climate change science. The open letter to Congress noted that the Earth has been cooling for a decade and proposed legislation to mandate significant reduction in greenhouse gas emissions would cause enormous harm to the U.S. economy. Below is a reprint of the letter.

Open Letter to Congress by a team of prominent atmospheric scientists.

TO THE CONGRESS OF THE UNITED STATES: YOU ARE BEING DECEIVED ABOUT GLOBAL WARMING

You have recently received an Open Letter from the Woods Hole Research Center, exhorting you to act quickly to avoid global disaster. The letter purports to be from independent scientists, but that Center is the former den of the President's science advisor, John Holdren, and is far from independent. This is the same science advisor who has given us predictions of "almost certain" thermonuclear war or eco-catastrophe by the year 2000, and many other forecasts of doom that somehow never seem to arrive on time. The facts are:

The sky is not falling; the Earth has been cooling for ten years, without help. The present cooling was NOT predicted by the alarmists' computer models, and has come as an embarrassment to them.

The finest meteorologists in the world cannot predict the weather two weeks in advance, let alone the climate for the rest of the century. Can Al Gore? Can John Holdren? We are flooded with claims that the evidence is clear, that the debate is closed, that we must act immediately, etc, but in fact

THERE IS NO SUCH EVIDENCE; IT DOESN'T EXIST.

The proposed legislation would cripple the US economy, putting us at a disadvantage compared to our competitors. For such drastic action, it is only prudent to demand genuine proof that it is needed, not just computer projections, and not false claims about the state of the science.

SCIENCE IS GUIDED BY PROOF, NOT CONSENSUS

Finally, climate alarmism pays well. Alarmists are rolling in wealth from the billions of dollars floating around for the taking, and being taken. It is always instructive to follow the money.

Robert H. **Austin**
Professor of Physics
Princeton University
Fellow APS, AAAS; American Association of Arts and Science Member National Academy of Sciences
William **Happer**
Cyrus Fogg Brackett Professor of Physics
Princeton University
Fellow APS, AAAS; Member National Academy of Sciences
S. Fred **Singer**
Professor of Environmental Sciences Emeritus, University of Virginia
First Director of the National Weather Satellite Service
Fellow APS, AAAS, AGU
Roger W. **Cohen**
Manager, Strategic Planning and Programs, **ExxonMobil** Corporation (retired); Fellow APS
Harold W. **Lewis**
Professor of Physics Emeritus
University of California at Santa Barbara
Fellow APS, AAAS; Chairman, APS Reactor Safety Study
Laurence I. **Gould**
Professor of Physics
University of Hartford
Chairman (2004), New England Section of APS
Richard **Lindzen**
Alfred P. Sloan Professor of Meteorology
Massachusetts Institute of Technology
Fellow American Academy of Arts and Sciences, AGU, AAAS, and AMS
Member Norwegian Academy of Science and Letters; Member National Academy of Sciences

Commentary on A.12.1

Happer has been a **GMI** Director since 2001, and Chairman of the Board since January 2006.

*"*That center is the former den of the President's Science Advisor John Holdren…
"Den? Does the reader find that appropriate language in a letter to Congress?

*"***The sky is not falling; the Earth has been cooling for ten years, without help.** The present cooling was NOT predicted by the alarmists' computer models, and has come as an embarrassment to them."

"The Earth has been cooling for 10 years" *only if one is a statistical illiterate regarding noisy time series, and cannot understand even simple regression analyses.* A time series with inter-annual variation 5-10X larger than average annual trend must have multiple year counter-trend sequences. Assuming one uses proper regression analyses, rather than drawing lines between endpoints, no statistically-significant decadal downtrends have been seen for several decades, even if one cherry-picks the exceptional 1998 El Nino year as the start year. For the last few decades, every decade has been warmer than the previous.

Climate models are boundary-value problems, not initial-value problems like weather prediction. They provide ensembles of results to model large-scale and longer-term average behavior. They worry about 20-30-year trends, long enough to see the signal amidst the noise.

It is simply incredible that competent Physics PhDs would not understand all this. Two of them demonstrably know enough climate science to know how wrong this is, regardless of what they say.

If anyone is somehow doubtful, see any of many examples that patiently explain this again and again.:
scitation.aip.org/journals/doc/PHTOAD-ft/vol_60/iss_1/72_1.shtml boundary value, initial value
en.wikipedia.org/wiki/Trend_estimation really basic
www.skepticalscience.com/global-cooling.htm really basic, climate-specific
tamino.wordpress.com/2009/12/07/riddle-me-this/ tamino, in real life, does much time series work
www.skepticalscience.com/global-warming-stopped-in-1998.htm really basic. climate-specific
capitalclimate.blogspot.com/2009/04/it-hasnt-warmed-since-1998.html see simulation at bottom
scienceblogs.com/deltoid/2009/06/always_click_on_the_links.php#comment-1688982
moregrumbinescience.blogspot.com/2009/01/results-on-deciding-trends.html
i41.tinypic.com/2uzw93b.jpg dark red line gives linear regression slopes for 10-year intervals
tamino.wordpress.com/2008/12/31/stupid-is-as-stupid-does

"It is always instructive to follow the money."
Yes, it is, and quite often, for at least 4 of the 7 signers above, oil is involved, whether by working for petroleum companies, being funded directly / indirectly by them or oil-wealthy family foundations or even more indirectly by consulting for think tanks or front organizations that receive funds from those sources. It is nontrivial to follow that money, *as it is often well-laundered*, especially compared to the straightforward, open research grants that fund most climate research.

A.12.2 Letter to US Senate, 10/29/09

On 10/21/09, 18 science societies wrote a letter to US Senators:
www.aaas.org/news/releases/2009/media/1021climate_letter.pdf
On 10/29/09, 5 of the 6 organizers "replied" with the following letter, shown below:
www.openletter-globalwarming.info/Site/Letter_to_Senate.html

A Gaggle is Not a Consensus

You have recently received a letter from the American Association for the Advancement of Science (AAAS), purporting to convey a "consensus" of the scientific community that immediate and drastic action is needed to avert a climatic catastrophe.

We do not seek to make the scientific arguments here (we did that in an earlier letter, sent a couple of months ago), but simply to note that the claim of consensus is fake, designed to stampede you into actions that will cripple our economy, and which you will regret for many years. There is no consensus, and even if there were, consensus is not the test of scientific validity. Theories that disagree with the facts are wrong, consensus or no.

We know of no evidence that any of the "leaders" of the scientific community who signed the letter to you ever asked their memberships for their opinions, before claiming to represent them on this important matter.

We also note that the American Physical Society (APS, and we are physicists) did not sign the letter, though the scientific issues at stake are fundamentally matters of applied physics. You can do physics without climatology, but you can't do climatology without physics.

The APS is at this moment reviewing its stance on so-called global warming, having received a petition from its membership to do so. That petition was signed by 160 distinguished members and fellows of the Society, including one Nobelist and 12 members of the National Academies. Indeed a score of the signers are Members and Fellows of the AAAS, none of whom were consulted before the AAAS letter to you.

Professor Hal Lewis, University of California, Santa Barbara
Professor Fred Singer, University of Virginia
Professor Will Happer, Princeton University
Professor Larry Gould, University of Hartford
Dr. Roger Cohen, retired Manager, Strategic Planning, ExxonMobil
List of 160 signers of the APS petition available at tinyurl.com/lg266u
=====

Commentary on A.12.2.

"University of Virginia": **Singer** omits Emeritus.

Unsurprisingly, the letter above was up on Marc **Morano**'s Climate Depot by 11/02/09, entitled:
"Team of Scientists' Open Letter to U.S. Senators: 'Claim of consensus is fake":
climatedepot.com/a/3606/Team-of-Scientists-Open-Letter-To-US-Senators-Claim-of-consensus-is-fake
and starting to be spread via various blogs. As of 11/02/09 it was early for many search engines to have indexed this, but **A.5** has some examples, and it was likely dozens would exist shortly. They did.
By 12/05/09, the following search gets numerous hits: **scientists senators claim consensus fake**

A.12.3 Email to some set of APS members, 12/04/09

Some unspecified set of APS members received the following. At least two posted it quickly, and then it propagated. See **A.5** for another dozen posted by 12/07/09.

infoproc.blogspot.com/2009/12/climategate-and-american-physical.html
www.technologyreview.com/blog/post.aspx?bid=354&bpid=24483#comment-215342 (copy of previous)
rabett.blogspot.com/2009/12/dear-fellow-member-of-american-physical.html

"This is a matter of great importance to the integrity of the Society. It is being sent to a random fraction of the membership, so we hope you will pass it on.

By now everyone has heard of what has come to be known as ClimateGate, which was and is an international scientific fraud, the worst any of us have seen in our cumulative 223 years of APS membership. For those who have missed the news we recommend the excellent summary article by Richard Lindzen in the November 30 edition of the Wall Street journal, entitled "The Climate Science isn't Settled," for a balanced account of the situation. It was written by a scientist of unquestioned authority and integrity. A copy can be found among the items at www.openletter-globalwarming.info/Site/open_letter.html, and a visit to www.ClimateDepot.com can fill in the details of the scandal, while adding spice.

What has this to do with APS? In 2007 the APS Council adopted a Statement on global warming (also reproduced at the tinyurl site mentioned above) that was based largely on the scientific work that is now revealed to have been corrupted. (The principals in this escapade have not denied what they did, but have sought to dismiss it by saying that it is normal practice among scientists. You know and we know that that is simply untrue. Physicists are not expected to cheat.)

We have asked the APS management to put the 2007 Statement on ice until the extent to which it is tainted can be determined, but that has not been done. We have also asked that the membership be consulted on this point, but that too has not been done.

None of us would use corrupted science in our own work, nor would we sign off on a thesis by a student who did so. This is not only a matter of science, it is a matter of integrity, and the integrity of the APS is now at stake. That is why we are taking the unusual step of communicating directly with at least a fraction of the membership.

If you believe that the APS should withdraw a Policy Statement that is based on admittedly corrupted science, and should then undertake to clarify the real state of the art in the best tradition of a learned society, please send a note to the incoming President of the APS ccallan@********.edu, with the single word YES in the subject line. That will make it easier for him to count.

Bob Austin, Professor of Physics, Princeton
Hal Lewis, emeritus Professor of Physics, University of California, Santa Barbara
Will Happer, Professor of Physics, Princeton
Larry Gould, Professor of Physics, Hartford
Roger Cohen, former Manager, Strategic Planning, ExxonMobil"

Commentary on A.12.3.

Words like “international scientific fraud, the worst any of us has seen”, “cheat” are fairly strong, *perhaps even might be considered defamatory.*

The APS reviewed the Petition, explicitly rejected it, and passed it to the appropriate committee (POPA) for the next step. Presumably, APS members could make their wishes known to POPA, but that did not seem good enough. *The organizers (interestingly missing **Singer**) now seemed to try to bypass that procedure, by invoking a totally unrelated and at best irrelevant issue, which even if true (very unlikely) would not change the conclusions of climate science in the slightest*. They then sought to swamp Curtis Callan with emails. Note, I have obscured his Princeton email address above to avoid exacerbating any SPAM problem. *Many people have already posted refutations of this email, which may be even sillier than the original Petition, so I do not duplicate that effort.*

Raymond Bruca, writes in Daily Princetonian Jan 12 2009: *www.dailyprincetonian.com/2009/01/12/22506*:
“The University is home to a number of renowned climate change scientists. Ecology and evolutionary biology professor Stephen Pacala and mechanical and aerospace engineering professor Robert Socolow, who are co-chairs of the Carbon Mitigation Initiative (CMI) and the Princeton Environmental Institute, developed a set of 15 “stabilization wedges…”
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.””

*At Princeton **Happer** would indeed be unlikely to be on the payroll of oil companies*, as his research is not particularly relevant to them. However, **Happer**’s **GMI** certainly has gotten oil money, both directly and indirectly via family foundations.. **GMI** has long worked quite closely with the **API,** and **GMI** CEO **O’Keefe** worked at **API** for 24+ years. The 1991-2001 **GMI** Executive Director was Jeffrey **Salmon**, whose previous job was as a senior speechwriter for Caspar Weinberger and Dick Cheney, and who went on to a DOE job in Bush/Cheney administration.

Once again, **WSJ** OpEd offered a platform (for Lindzen).