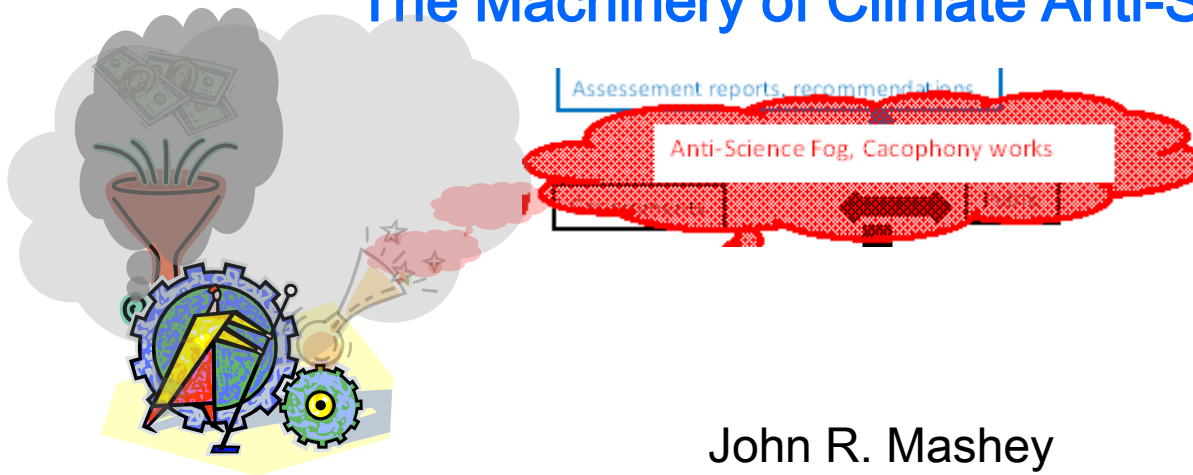

The Machinery of Climate Anti-Science



John R. Mashey
April 4-7 2011 talks for PICS
British Columbia, Canada

PDF posted at PICS, <http://www.pics.uvic.ca/>
It breaks usual marketing advice for PPT.
See Edward Tufte on Cognitive Style of PowerPoint.

Overview

- **Speaker background**
 - Innocent computer scientist/executive stumbles into an alternate universe: physics does not apply & climate scientists form an evil cabal to hide the truth
- **2007-2009**
 - Helping out, studying the machinery
- **The machinery – methods, funding, organization, people, geography**
- **Dec 2009-current – an example of the machine's work gets uncovered**
 - “Deep Climate” (DC) finds a small problem with the **2006 Wegman Report** ... and more and more, and attracts helpers
 - ➔ **Misconduct complaints, USA Today articles and much more**
- **Defogging (or DeSmog ing) the machine, throwing rocks in the gears**
 - Most of the time, **when people lie about science**, it is not **actionable**.
 - **Academic misconduct complaints, funds mis-use? Misleading Congress?**
 - **Libel and the Internet (B.C. leads!)**

Speaker – John R. Mashey, Part 1

PA { • **Pennsylvania State University, 1964-1973, BS Math, MS/PhD Computer Science**

• **Bell Labs 1973-1983, MTS → Supervisor, early UNIX** Science

- Programmer's Workbench, shell programming, text processing, workload measurement/tuning in first UNIX computer center, UNIX+mainframe data mining apps, capacity planning/tuning



• **Convergent Technologies 1983-1984, MTS → Director Software**

- Compiler & OS tuning, uniprocessor/multiprocessor servers

• **MIPS Computer Systems 1985-1992, Mgr. OS → VP Systems Technology**

- System coprocessor, TLB, interrupt-handling; byte addressing(!), halfword instructions; ISA evolution, multiprocessor features, multi-page-size TLB, 64-bit
- MIPS Performance Brief editor; a SPEC benchmarking group founder 1988
- Hot Chips Conference (Stanford) committee ... continuing

Canada

• **Silicon Graphics 1992-2000, Director Systems Technology → VP & Chief Scientist**

- MIPS R10000 & later architecture, including performance counters & software
- ccNUMA system architecture (NUMAflex in Origin3000, Altix)
- Performance issues in HPC, DBMS; technology forecasting
- Evangelist, much work with sales and marketing, business development, strategy

Climate modelers

• **~Half-retired - advise/consult for Venture Capitalists & high-tech companies**

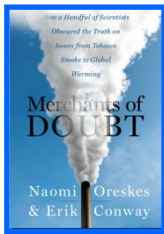
Technical advisory boards (Dust Networks, Streetline Networks, Transitive, ...);

Computer History Museum Trustee; VCTaskForce.

Travel; [ski in B.C.](#); hike; bike; occasionally write articles & do talks for fun ... i.e., ~ half-retired ☺

John R. Mashey, Part 2 – More relevant for this

- Small farm in (hilly) Western Pennsylvania, founded ~1850
 - Liebig's Law; climate matters; keep topsoil; fix things; recycle...
- Palo Alto (1983-1990), Portola Valley (1990-)
- 2001 Steve Schneider seminar at Stanford
 - Started studying climate science (and anti-science), later followed blogs
 - Why were so many people certain that consensus was wrong? Why bad memes repeated?
 - Bad communication by scientists? Bad journalism? Or something else?
- 2007 Monckton/Schulte/SPPI attack Naomi Oreskes, repeating earlier ones
 - 03/24/08 www.desmogblog.com/skeptics-journal-publishes-plagiarized-paper (MON)
- 2008 Monckton fools American Physical Society Forum on Physics & Society
- 2009 Petition to the APS: Will Happer, Fred Singer, et al
 - 11/09/09 www.desmogblog.com/another-silly-climate-petition-exposed (APS)
 - “Climategate,” help Michael Mann with Penn State; think about libel possibilities (?)
- 2010 Canadian “Deep Climate” deepclimate.org (DC) sets us off on weird journey
 - 12/09 Finds a few pages of plagiarism in the 2006 Wegman Report to US Congress, more
 - DC posts many investigations; add some & integrate with US context and earlier research
 - 03/15/10 www.desmogblog.com/crescendo-climategate-cacophony (CCC)
 - 09/26/10 deepclimate.org/2010/09/26/strange-scholarship-wegman-report/ (SSWR)
 - 01/06/11 www.desmogblog.com/gmu-still-paralyzed-wegman-and-rapp-still-paranoid (SIGMU2)



Monckton/Schulte/SPPI vs Oreskes - 2007



- UK/US-coordinated attack on Oreskes, rapidly spread via Internet
- SPPI = new thinktank (Robert Ferguson), strong Monckton involvement
- Much debunking @ Deltoid blog (Tim Lambert)



→ Ideas about social networks of climate anti-science
 Start gathering information on organizations, people, activities (petitions, etc)
 03/24/08 www.desmogblog.com/skeptics-journal-publishes-plagiarized-paper (MON)



Figure 2. SPPI Participants and Involvement in Related Organizations

Entities	Location	Carter	D'Aleo	Ferguson	Idso	Kininmonth	Legates	Monckton	O'Brien	Soon
		Aus	US	US	US	Aus	US	UK	US	US
American Petroleum Institute										X
Center for Study of Carbon Dioxide & Global Change					X					
Climate Research Journal										X
Committee for a Constructive Tomorrow					X					
Competitive Enterprise Institute							X			
Cooler Heads Coalition										X
Fraser Institute			X			X			X	X
Frontiers of Freedom CSPP				X						X
George C. Marshall Institute					X		X		X	X
Heartland Institute						X	X			X
Independent Institute							X			
Interfaith Stewardship Alliance							X			
National Center for Policy Analysis							X			
Science and Public Policy Institute		x	x	X	X	x	x	X	x	x
Tech Central Station		X					X		X	X
United for Jobs										X
World Climate Report										X



“under investigation ... interfering unlawfully with the blogosphere”

Monckton and APS FPS – July 2008

- **American Physical Society Forum on Physics and Society (FPS)**

- Newsletter, not peer-reviewed, editors not climate-knowledgeable
- Actually asked “Dr Monckton” for article on anti-AGW side

- www.aps.org/units/fps/newsletters/200807/ Monckton article



- www.desmogblog.com/c-monckton-complaints-and-critiques



- scienceblogs.com/deltoid/2008/07/moncktons_triple_counting.php (Australia)

- scienceblogs.com/deltoid/2008/07/more_monckton_1.php (Australia)



- bigcitylib.blogspot.com/2008/07/how-aps-was-infiltrated-by-deniers.html (Toronto)

- bigcitylib.blogspot.com/2008/07/lonely-denier-meet-gerald-e-king.html (Toronto)



→ Even (a few) physicists can ignore physics

→ Science society leadership is very good once they see problem

→ Science societies can be vulnerable

- Small volunteer groups can be naïve or taken over
- A few people can make much noise



→ APS-New England Section Newsletter Co-Editor Larry Gould

- uhaweb.hartford.edu/LGOULD/

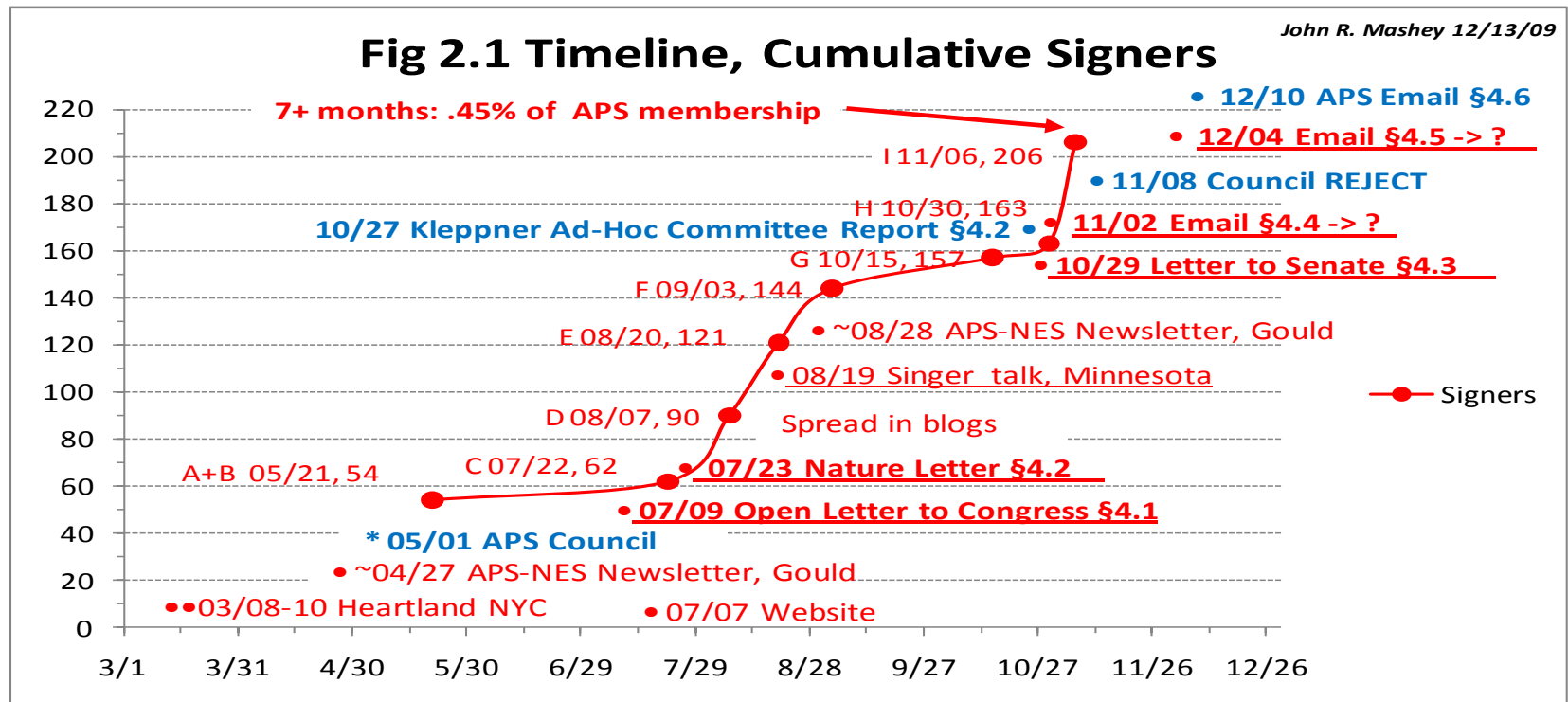
→ “First report from the front is always wrong

- It wasn’t Larry Gould, but Gerald Marsh...

Petition to APS - 2009



- Small group started open letter/petition to APS
 - Change APS climate position → no unusual warming, natural variation
 - Unusual: almost all signers easily identifiable, signed in visible “waves” (A-I)
 - PhD physicists should know better (and most do); more for PR than change
 - Study revealed fairly tight social networks, spread by “contagion”
 - Demographics instructive



Petition to APS - Demographics

- **Age distribution (119 signers)**

- Heavily-skewed older
- ~50% emeritus/retired

- **Political Donations**

- Skewed ~16:1 conservative
- “Unnatural” co-opting of Republican/Libertarian by economic interests*

George H.W. Bush

Arnold Schwarzenegger

Sherwood Boehlert

George Schulz ...

- **Gender**

- Heavily male, not significant (too few older females)

- **Geographic clustering**

- **Ideology nullifies physics!**

* Chris Mooney, The Republican War On Science

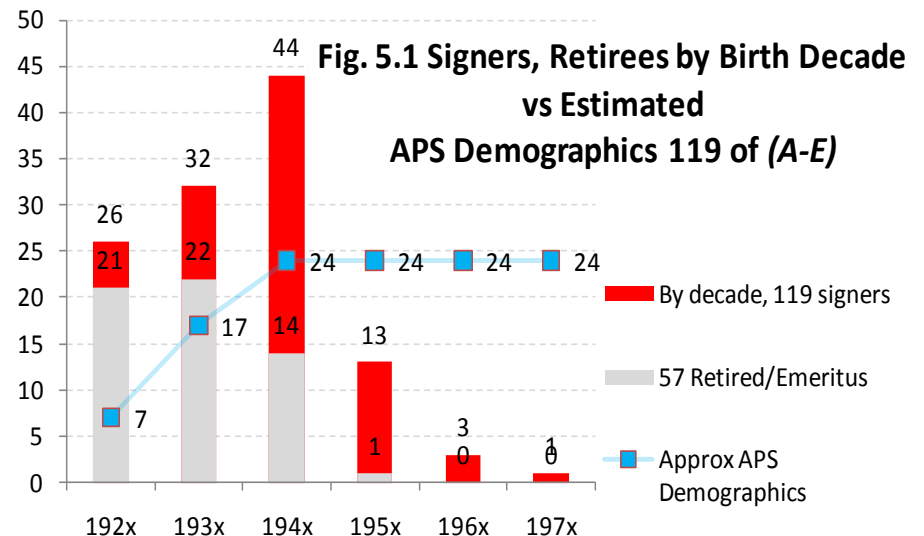


Fig. 5.3 - Donations

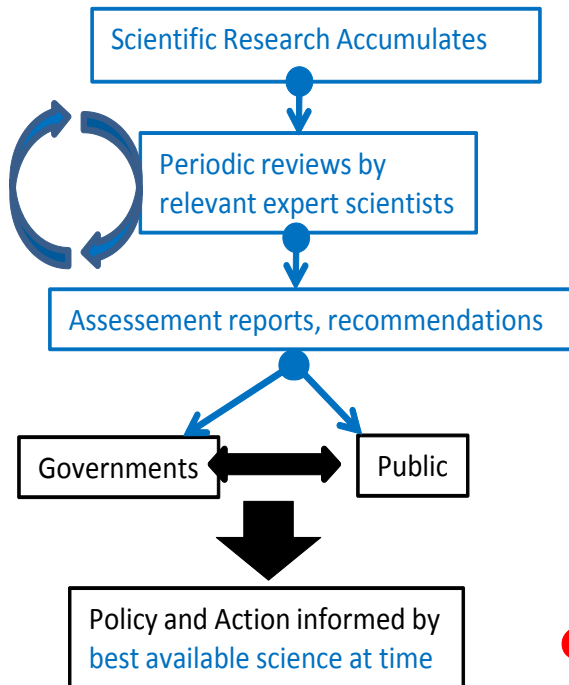
People	%	\$ Rep+Lib	\$ Dem	Category
35	74%	\$178,739		Republican+Libertarian only
5	11%	\$ 2,450	\$3,199	Mixed
7	15%		\$7,465	Democratic only
47	100%	\$181,189	\$10,664	Totals
		94%	6%	Total \$ Percentages
13	100%			Bush 04 or McCain 08
0	0%			Kerry 04 or Obama 08

Definitions, Science Bypass, Cigarettes, and Climate

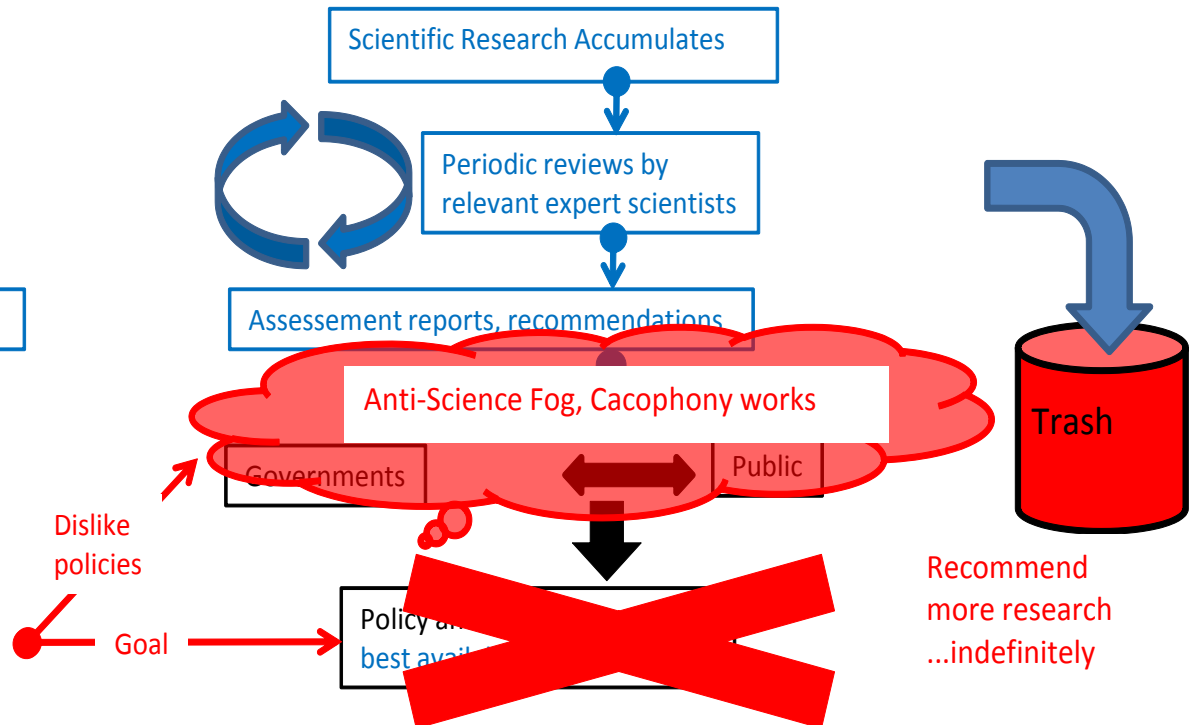
- **Science**
 - “Great Wall” analogy from “How to Learn About Science”
scienceblogs.com/deltoid/2008/08/john_mashey_on_how_to_learn_ab.php
- **Pseudoscience**
 - Attempt to convince scientists of ideas, balance of evidence strongly adverse
 - » ESP, astrology, cycles everywhere, “iron sun”, etc
 - » *Skeptical Inquirer* debunks such things
 - Sometimes useful for sales (remedies, cures)
 - Journal of Scientific Exploration (JSE), a “dog astrology journal”
 - » rabett.blogspot.com/2010/11/journal-of-scientific-exploration-is.html
 - » But quoted as crucial source by McIntyre&McKittrick (CA), Montford (UK) book HSI
- **Science-Noise (for lack of better term)**
 - Science → media → public introduces noise into the signal
- **Anti-science**
 - Not pseudo-science or science-noise (although often employs them)
 - Intended to obscure science to avoid unwanted policies

Science Bypass

Theoretical Ideal



Science Bypass

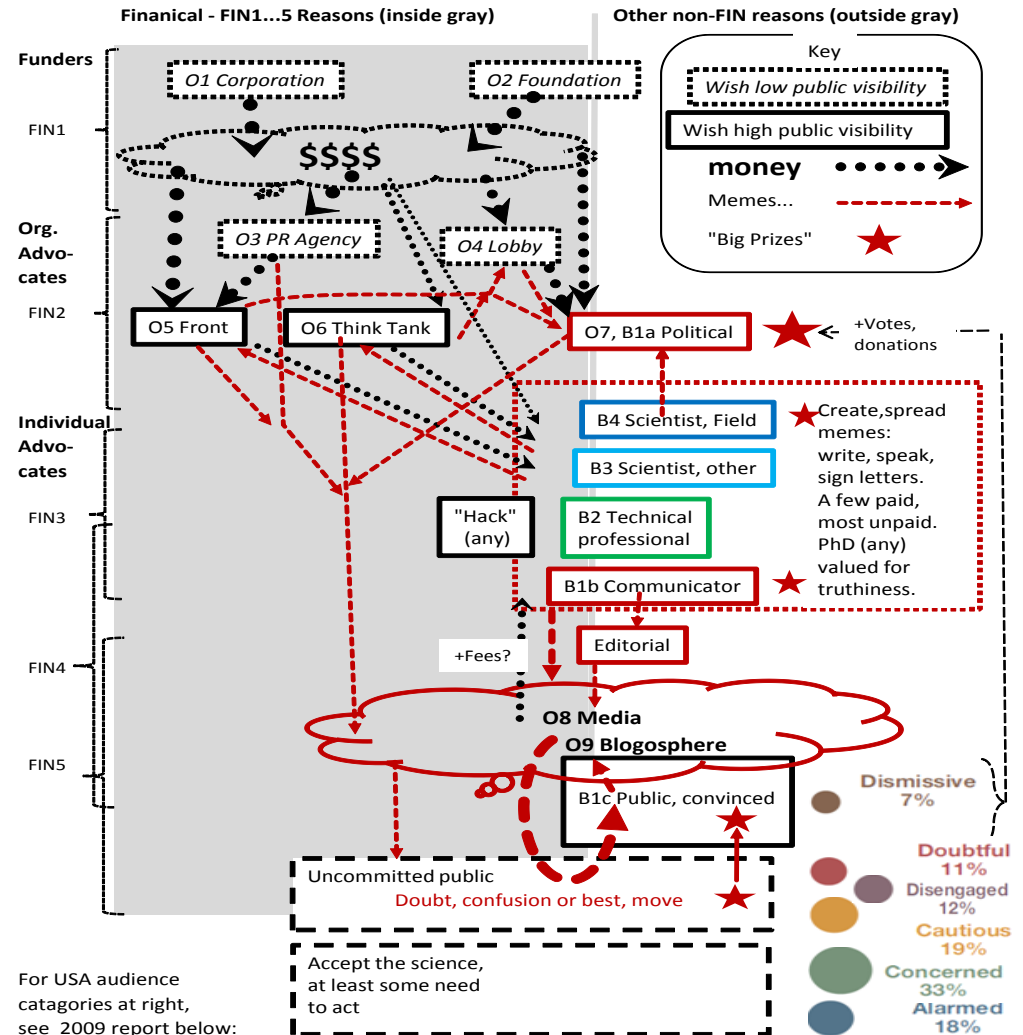


Anti-Science, Cigarettes and Climate

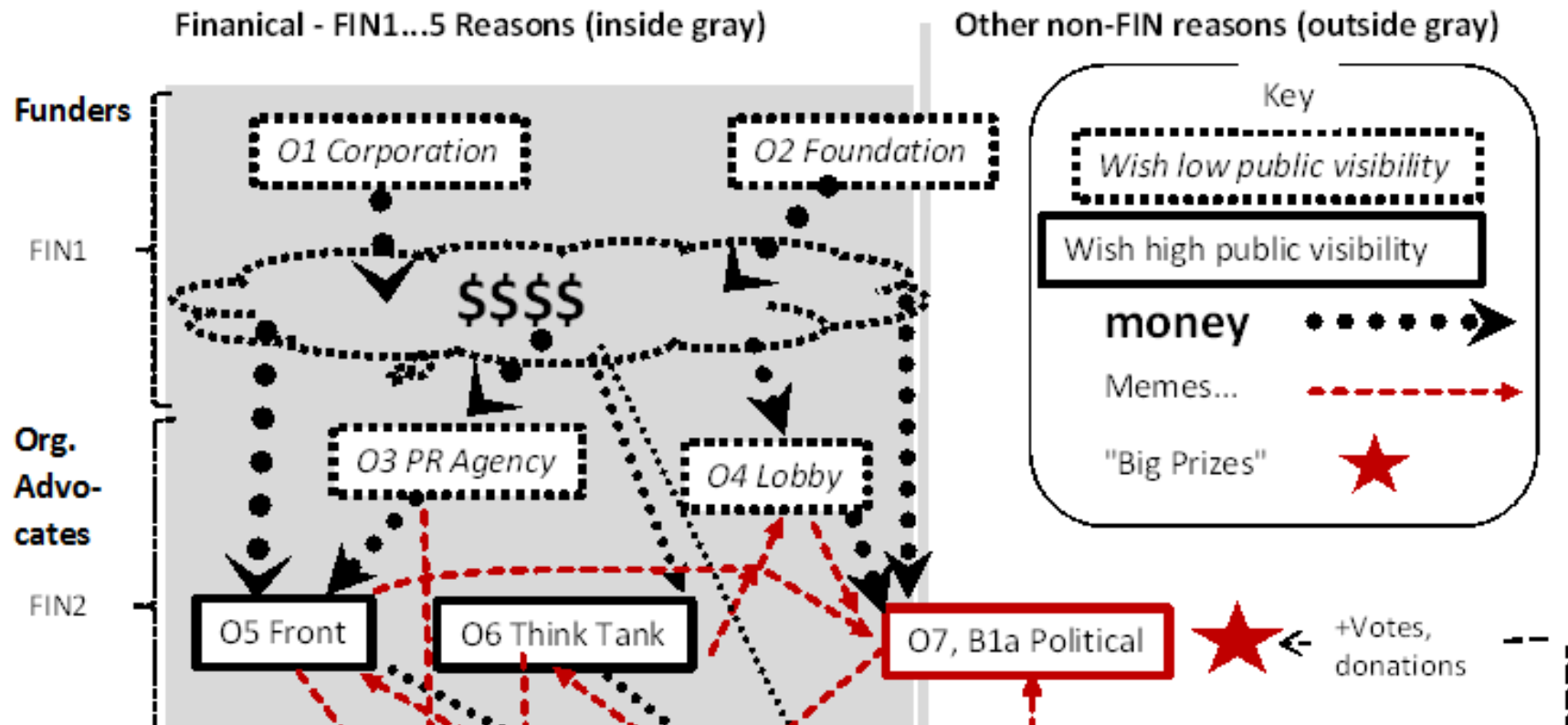
- **General approach created by Hill & Knowlton for tobacco companies, 1954**
 - “A Scientific Perspective on the Cigarette Controversy”
legacy.library.ucsf.edu/tid/wye21a00/pdf Tobacco Archives
 - Sourcewatch summary
[www.sourcewatch.org/index.php?title=Council for Tobacco Research](http://www.sourcewatch.org/index.php?title=Council_for_Tobacco_Research)
 - » 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.
- **Often same thinktanks, front organizations, people**
 - Even some physicists (Frederick Seitz, Fred Singer)
 - 501(c)3 (US) tax-free nonprofits ... really PR/lobbying agencies, clever
 - Thinktanks claim to be legitimate conservative/libertarian advocates
 - Conservative/libertarian value to addict children to nicotine?
 - » legacy.library.ucsf.edu/tid/eyn18c00/pdf “Importance of Younger Adults”, 1984.
 - » But pays well; search Tobacco Archives, find these thinktanks often

The Machinery – Laundering Money and Memes - 1

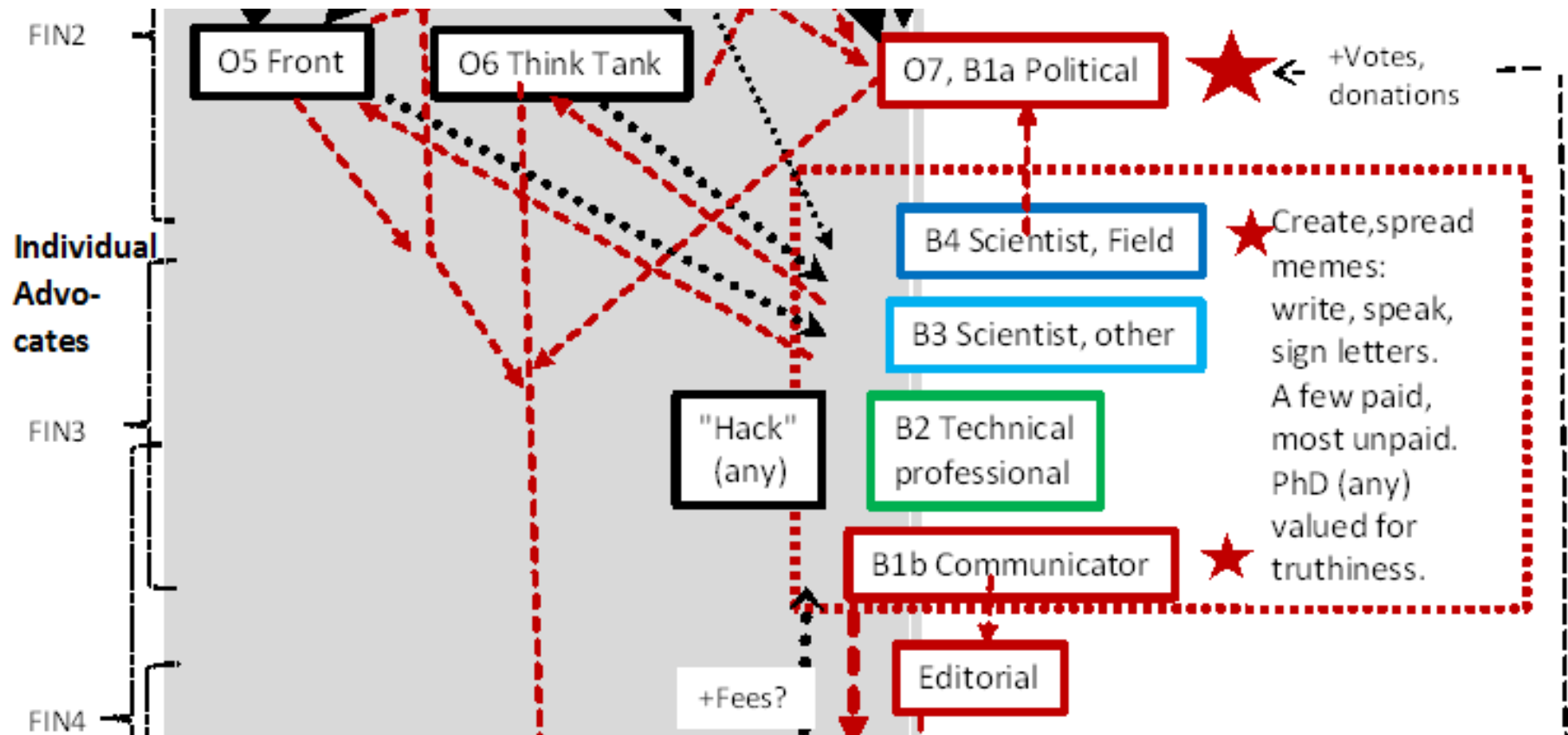
- Family foundations & corporations
- Interconnected group of cooperative/competitive nonprofit PR/lobbyists
- Spokespeople
Some last long
Others wear out
- Media
Internet
- Public



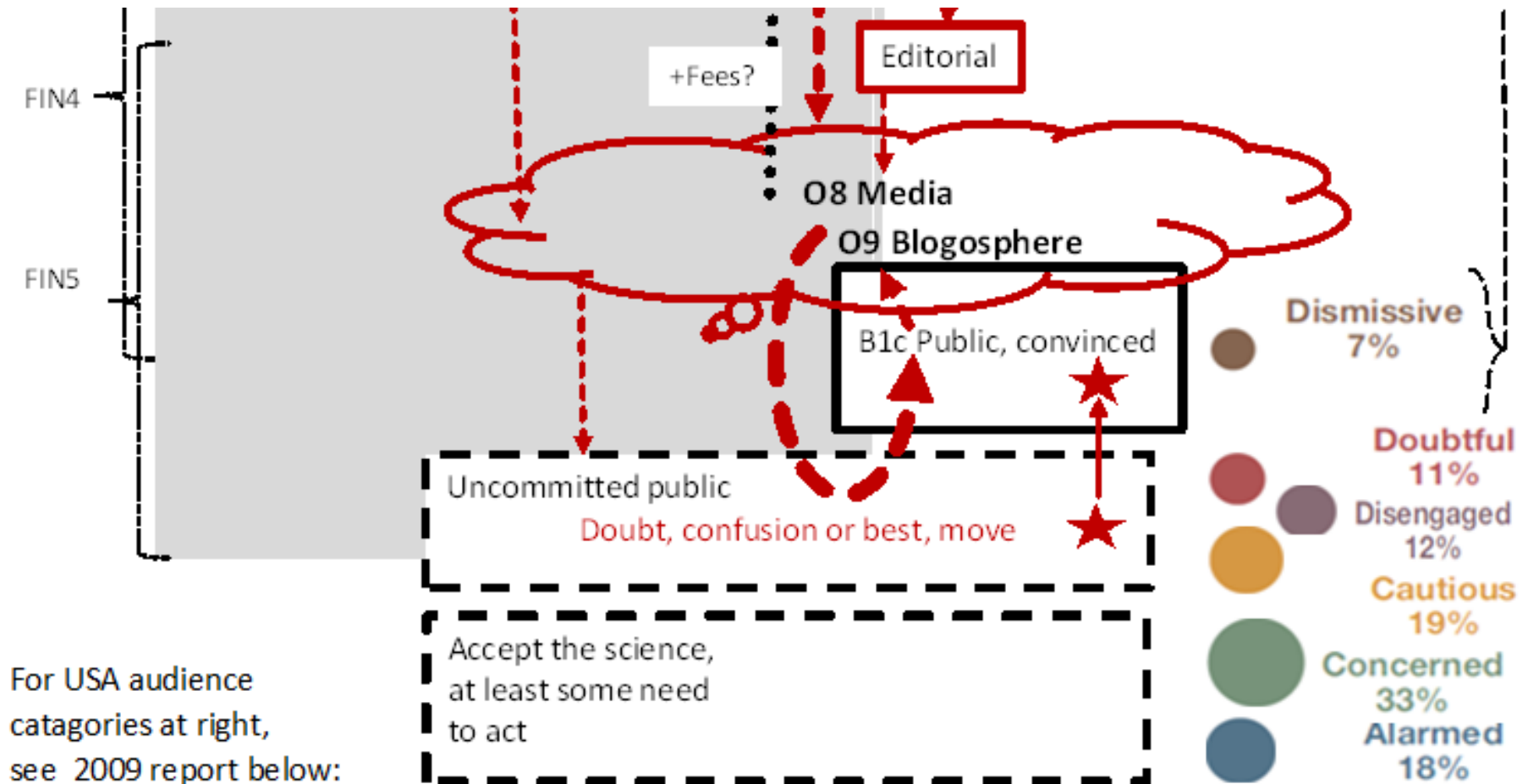
The Machinery – Laundering Money and Memes - 2



The Machinery – Laundering Money and Memes -3



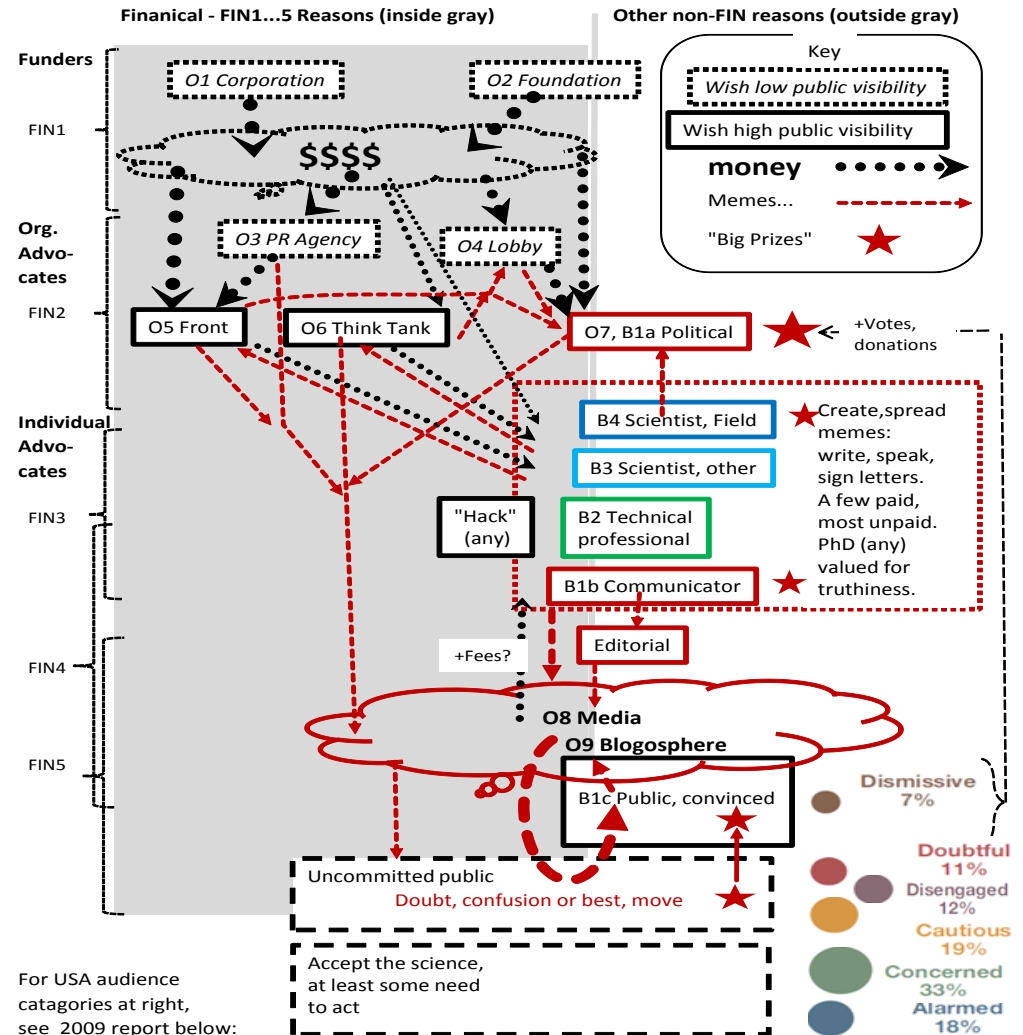
The Machinery – Laundering Money and Memes -4



environment.yale.edu/uploads/SixAmericas2009.pdf (moved from URL in CCC)

The Machinery – Laundering Money and Memes - 5

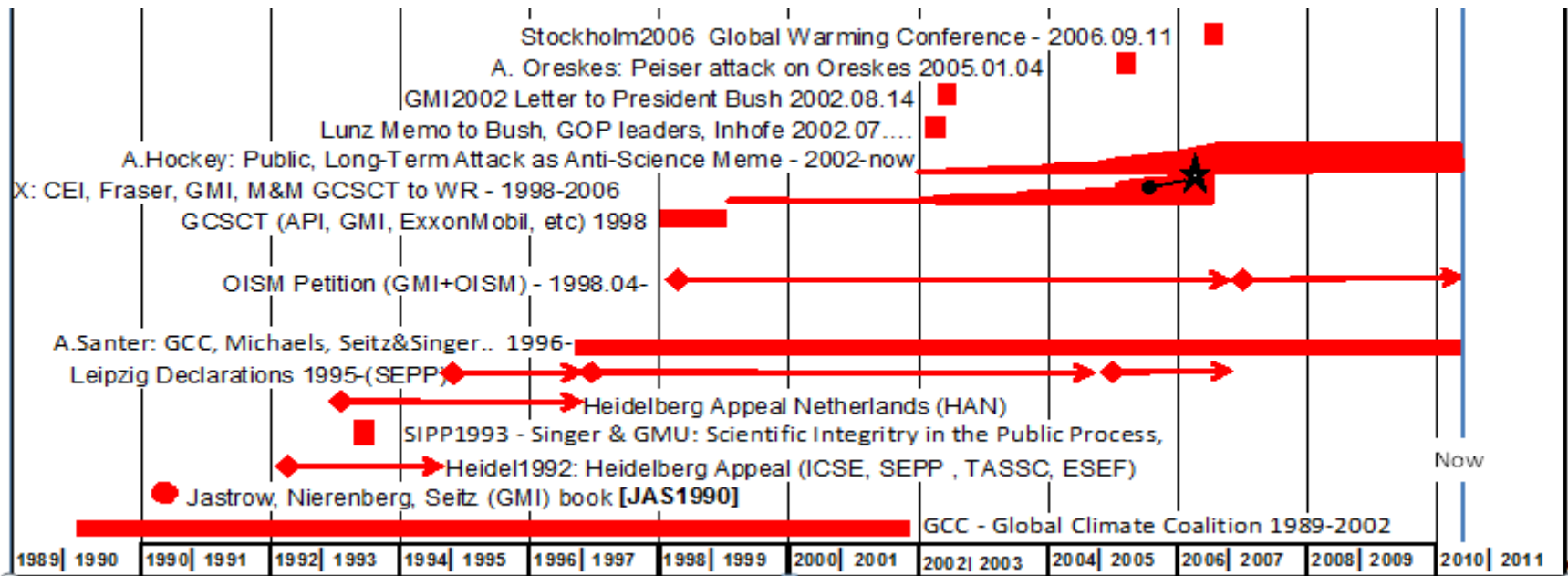
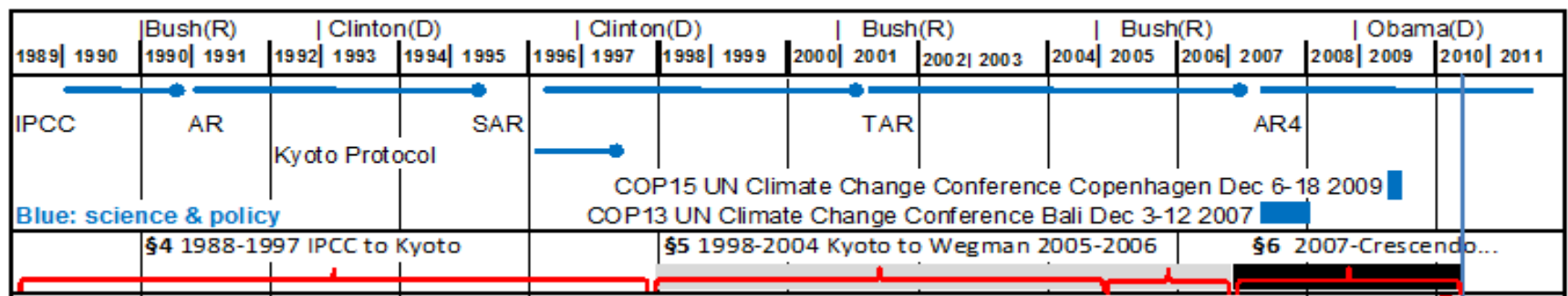
- Family foundations & corporations
- Interconnected group of cooperative/competitive nonprofit PR/lobbyists. Compete for \$\$.
- Spokespeople
Some persist forever
But “new faces”
- Media
Internet
- Public



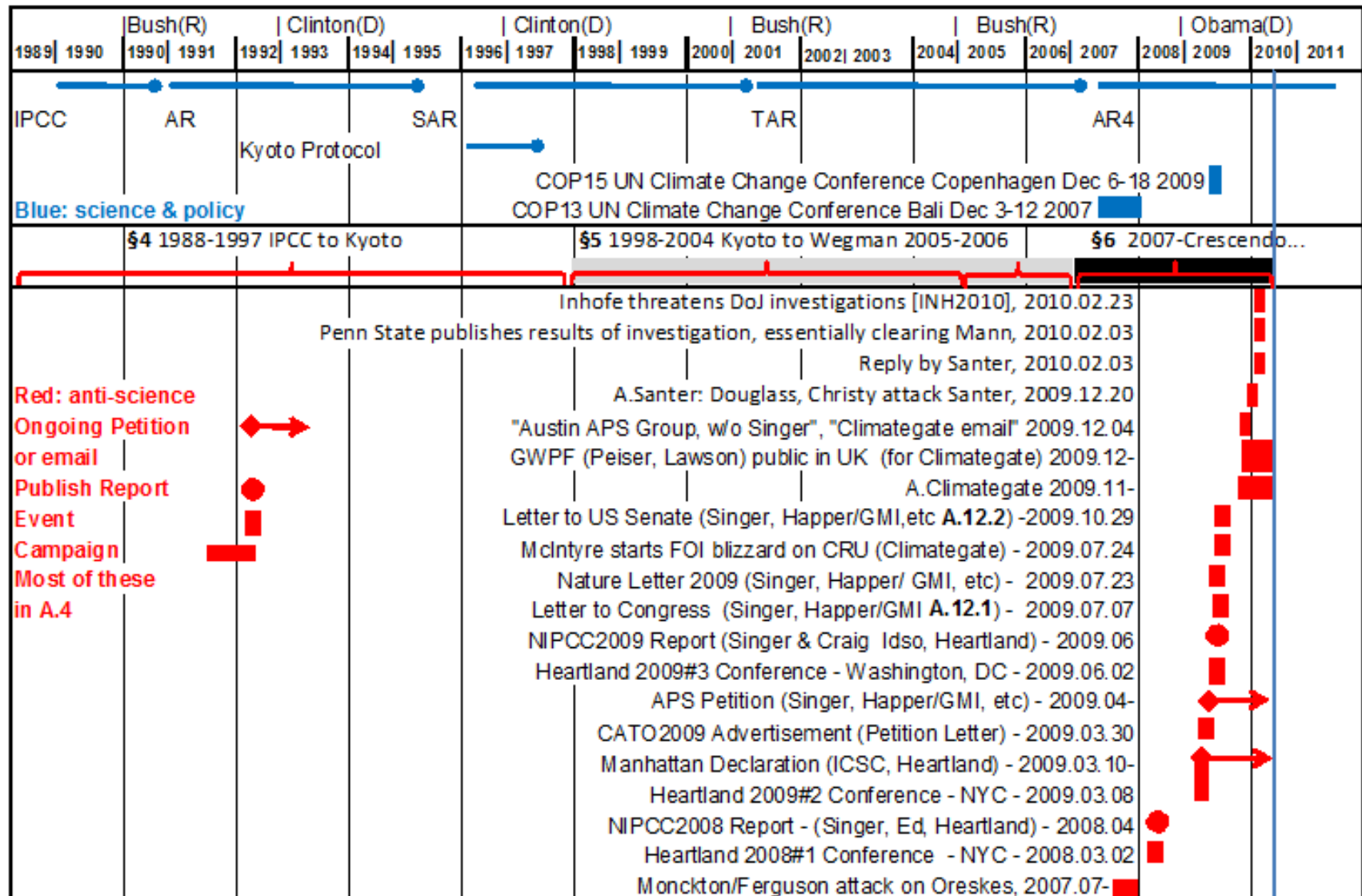
Reasons ... Not Just Money

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-science: 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


Climate Anti-Science, Overall Chronology




Climate Anti-Science, Overall Chronology




Funders x Organizations (~ 1/3 of each of 3 pages; ~50% \$\$)

Table A.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 (FoF=>CEI)																	
Funder \$1000s	CEI	 Fraser	GM	SEPP	CFACT	FF/CSPP	Heartland	SPPI *2	TASSC	Adm	ALEC	ATR	FreeMo	Heritage	NOPA	PR	TH
Tobacco connect	T	T	T	T		T	T		T	T	T	T	T	T		T	T
\$ Funding here	\$	\$	\$	\$	\$	\$	\$?	\$	\$	\$	\$	\$	\$	\$	\$	\$
nonprofit501(c)3	n	n	n	n	n	n	n	?		n	n		n	n	n	n	n
GCSC1998	X		X	X	X	*2			X			X					
CHC Cooler Heads	*3	X	X		X	*2	X	*2 *1		X	X	X	X	X	X	X	X
Heart#1,#2,#3	All		All	All	All	1,2	All	All				1,2		2,3	1		1
Exxon-UCS OR	2005	120	630	20	472	1002	561		50		1170			460	421		70
Exxon-MMAN	1690	120	640		482	1127	532		40		1200		275	385	520	540	70
Allegheny											1645			100			
Carthage	60	50	707		1205	35	10			15		325	200	2559	525		
Sarah Scaife	2240	225	2785		375	100	325					375	2960	21235	1760	3072	
Scaife Family	350										50		325	703	100		
Charles G. Koch	15	18					38				273		674	78	7	370	
Claude R. Lambe	336	30	30			175	40			13	195	60	5725	3194	340	385	
David H. Koch	315												5957		260	401	160
Earhart	120		270			100							35	10	100	184	111
J M. Olin(-2005)	230	10	360			125	40			363	215	525	1300	8071	1069	735	65
L&H Bradley	900	95	3590			48				1344	283	223	205	14256	1597	900	
Found. Totals	5823	928	7743	0	1580	730	3214	0	0	3517	3393	2306	18647	75698	9099	9841	1653

Funders x Organizations

Table A.6.1 (b) Funders X Organizations, data mostly 1989-2007 [MMAN]														
ExxonMobil(UCS): [UCS2007], Appendix B. Bold funders: oil connection. Tobacco: Sourcewatch.														
														
Funder \$1000s	ACF	ASH	AEI	AIA	AIM	AnnapCtr	Atlas	CATO	CMPA	CommWith	CSCDGC	ELC	GMU	GMPE
Tobacco connect			T					T						
\$ Funding here	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
nonprofit501(c)3	n	n	n	n	n	n	n	n	n	n		n?	n	n
GCSCCT1998														
CHC Cooler Heads														
Heart#1,#2,#3				2	2,3		2,3				1,2			
Exxon-UCS OR		125	1625			763	680	105			90			
Exxon-MMAN	1255	140	1910			705	868	110			75	50	230	
Allegheny										40				
Carthage			900		1720		1145	245	512	10			10	
Sarah Scaife		205	6436		2640		1920	1947	960	1917	100	675	5381	
Scaife Family			590		15					227				
Charles G. Koch							119	14		33		238	19673	
Claude R. Lambe	125	45					28	9300				50	4086	
David H. Koch		6						4043					1750	
Earhart		157	549				2695	393	120			60	1192	
J M. Olin(-2005)	100	915	7647	20			5	832	730			150	6266	
L&H Bradley		155	17144				194	1057	250	186			2393	
Found. Totals	225	2767	48841	30	4559	0	11572	21077	3061	3888	100	1376	46136	0

Funders x Organizations

Table A.6.1 (c) Funders X Organizations, data mostly 1989-2007 [MMAN]														
ExxonMobil(UCS): [UCS2007], Appendix B. Bold funders: oil connection. Tobacco: Sourcewatch.														
														
Funder \$1000s	Hoover	Hudson	InstHumn	LaVoisier	Manhat	Mercatus	NOPPR	PLF	Reason	STATS	TCS	WLF	YAF	Totals
Tobacco connect					T			T	T			T		
\$ Funding here	\$	\$	\$		\$	\$	\$	\$	\$	\$	\$	\$	\$	
nonprofit501(c)3		n	n		n	n	n	n	n	n	n	n	n	
GCSCT1998														
CHC Cooler Heads				X										
Heart#1,#2,#3				2									2	
Exxon-UCS OR	295					80	280				95			11119
Exxon-MMAN	110	10			265	200	390	125	105		95	250		14514
Allegheny												200		1985
Carthage	1198	825	455		693			700	366	100		3060		17630
Sarah Scaife	9845	3023	770		3815	320		3105	1791	950		610		81862
Scaife Family		221			25				136					2742
Charles G. Koch	5		2523			8024		10	57			2	20	32191
Claude R. Lambe		13	455		1125				807		25	1105	38	27724
David H. Koch		20	2100		50				1522				50	16634
Earhart	330	92	260		465	53		10	10	100			20	7436
J M. Olin(-2005)	4991	2810	797		58990			665	276	450		1885	70	100707
L&H Bradley	2693	6897	210		3727	10		327	962			437	160	60243
Found. Totals	29636	19414	9557	0	77793	9149	15	6030	6824	2125	25	8238	6660	463269

Organizations, What's in A Name

- **55 organizations, common terms**
 - 16 Institute *can be one person, a website, and address in UPS store*
 - 11 Science *but none actually do science, as far as I can tell*
 - 10 Foundation *but are actually PR/lobbying entities, mostly tax-free*
 - 9 Policy *TRUE! do wish to affect policy*
 - 6 Public *Not much to do with public*
 - 5 Research *Generally not, at least scientific*
- **Foundations seem to provide seed & sustaining funds to these**
 - They must raise more, and funding is very murky
 - Roughly 50% of funding is visible (990 forms – reported donations)
- **~ Distributed-systems conspiracy**
 - Internet amplification, email

	Accuracy	Advancement	Affairs	Alliance	Analysis	Center	Climate	Coalition	Committee	Competitive	Council	Economic	Enterprise	Environment	Environmental	Foundation	Freedom	Global	Health	Institute(tion)	International	Issues	Legal	Media	National	Policy	Project	Public	Research	Research	Science	Scientific	Sound	Study	World
55	2	1	2	1	1	7	5	6	2	1	6	1	2	2	4	10	3	2	1	16	1	1	2	2	1	9	2	6	5	1	11	1	1	1	1

People vs Activities (1/3 of people)

Table A.6.2 (a) Most Active People X Activities Chronological==>	GMI1990	Heidel1992	SIPP1993	Leipzig1995-	A.Santer	OISM1998	GCST	US.CONG	GMI2002	GMI2003	A.Oreskes	GMI2005	GMI2005a	A.HOCKXX	A.Hockey	Stock2006	TGGS2007	BALI2007	Heart#1	NIPCC2008	GRE2008	Heart#2	Manhat2009	CATO2009	APS2009	Heart#3	NIPCC2009	HeartExp#1	Helmer2009	HeartExp#2	A.GATE	A.CRU.Parl	
Avery, Dennis					5						5			?	4				3	3		3					3	2		4			
Baliunas, Sallie	2					5		2	3	3				X	5	3												2					
Ball, Timothy					4						4				4		3	2	3										2		2	4	
Balling, Robert				2	5										4				4										2		2		
Bast, Joseph											5			?	4				5	5		5				5	5	5	5	5	5		
Boehmer-Christi..											5			X	4			2						2				2		2		4	
Carter, Robert															5	3		2	3	3		2		2		3	3	4		2			
Christy, John R	4				5									?	4		3												2		2	5	
D'Aleo, Joseph						1									3				3	3		3		2			3	2		2			
de Freitas, Chris				2											4														2				
Douglass, David					5	1					4								3			3	2	2	1				2		2		
Ebell, Myron							4	3		5		5	5	X	4				3			3							2			5	
Essex, Christoph..								2						X	4			2				3		2					2			5	
Ferguson, Robert						?					5			X	4							3				3			2			5	
Gould, Laurence						1									4							3		2	5				2				
Happer, William					4	1		2	3					X	4									2	5							5	
Harris, Tom														X	4			5	3				5						2		2	5	
Hayden, Howard				2		1					5				4			2	3			3	3	2	1				2		2		
Horner, Chris											5	5		X	4				3			3							2		2	5	
Idso, Craig															4			2	3	3		3		2				5	2		2	5	
Idso, Sherwood						1			3									2						2									
Inhofe, James					4			5			5	5		X	5											4						5	
Jastrow, Robert	5		3			1			3	3				X																			
Kueter, Jeff								2		5	4		5	X	4											3						5	
Labohm, Hans		2													4			2		3	5						3	2	4		5		

People vs Activities

Table A.6.2 (a) Most Active People X Activities Chronological==>	GMI1990	Heidel1992	SIPP1993	Leipzig1995-	A.Santer	OISM1998	GCST	US.CONG	GMI2002	GMI2003	A.Oreskes	GMI2005	GMI2005a	A.HOCKXX	A.Hockey	Stock2006	TGS2007	BALI2007	Heart#1	NIPCC2008	GRE2008	Heart#2	Manhat2009	CATO2009	APS2009	Heart#3	NIPCC2009	HeartExp#1	Helmer2009	HeartExp#2	A.GATE	A.CRU.Parl
Legates, David R				2				2	3						4			2	2			3		2				2			5	
Lewis, Marlo, Jr														X	4				2			3						2			5	
Lindzen, Richard		2	3	2		1		2			5			?	4		3	2	4			4		2	4			2			5	
McIntyre, Steve								2		5			5	X	5	3						3						2			5	4
McKittrick, Ross								2		5			5	X	5			2	4			3		2				2	4	2	5	4
Michaels, Patrick				2	5			2	3	3	4			X	4		3		4			3		2		3		2			5	
Milloy, Steve							4				5				5		2		3									2		2	5	
Monckton, Chris..					5						5				5				3	3		4				4	3	2			5	
Morano, Marc					3			4			5			?	5				3			3						2		2	5	
Nova, Joanne															5							3						2			5	
O'Brien, James J	3							2										2	3			3						2		2		
O'Keefe, William	2								5	4	4	5		X	4																	
Peiser, Benny											5								3			3						2	4		5	5
Robinson, Arthur						5									4							4						2				
Salmon, Jeffrey							4	4						X																		
Seitz, Frederick	5		2	2	5	5								X					3	3												
Singer, S. Fred		5	5	5	5	1	4	2	3	3	5	?	?	X		3	3	2	4	5	3	3	3		5	3	5	2	5		5	
Smith, Fred			3											X																2		
Solomon, Lawr...											4				4							4								2	5	
Soon, Willie						5				3	4			X	5	3			3			4						3				
Spencer, Roy					4	1					2			?	4		3	2	3			3	3	2		4		2			5	
Thorning, Margot																												2		2		
Watts, Anthony				2							4				4				3			3				3		2			5	

People vs Organizations (1/3 of people, 1/2 of organizations)

Table A.6.2 (b) Most Active People X Organizations-1 Alphabetical==>	ACSH	AnnapCtr	APCO	API	CATO	CEI	CFACT	CHC	E&E	FF	FF/CSPP	FoS	Fraser	FreeWork	GCC	GES	GMI	GMU	GWPF	Heartland	ICECAP	ICSC	NRSP	SEPP	SPPI	TASSC	TCS	WCR	WSJ
Avery, Dennis																				4									
Baliunas, Sallie	3	3		3		3	3					3			3	3	4			5	3						3	4	4
Ball, Timothy												4					3			4		3	5				3		
Balling, Robert					2	3							2			3				4	3						3	4	
Bast, Joseph																				5									
Boehmer-Christi..					2				5											4									
Carter, Robert					2															5		3			4		3		
Christy, John R					3				3								4			4									
D'Aleo, Joseph					2			3					3							3	5				4				
de Freitas, Chris												3								4	3	3							
Douglass, David					2				3											3									
Ebell, Myron				3		4	4	5		2				2			4			4									
Essex, Christoph..					2															4									
Ferguson, Robert								3			5			2						4					5				
Gould, Laurence					2															4					2				
Happer, William					2												5			4									
Harris, Tom			4																	5		5	4						
Hayden, Howard					2		3													4			3						
Horner, Chris						4		4		4	4						3			4							3		
Idso, Craig					2				3											4	3				4				
Idso, Sherwood					2		3		3								3			2									
Inhofe, James		2															5			5									4
Jastrow, Robert																	5			3									
Kueter, Jeff																	5			3									
Labohm, Hans									3											4		3					3		

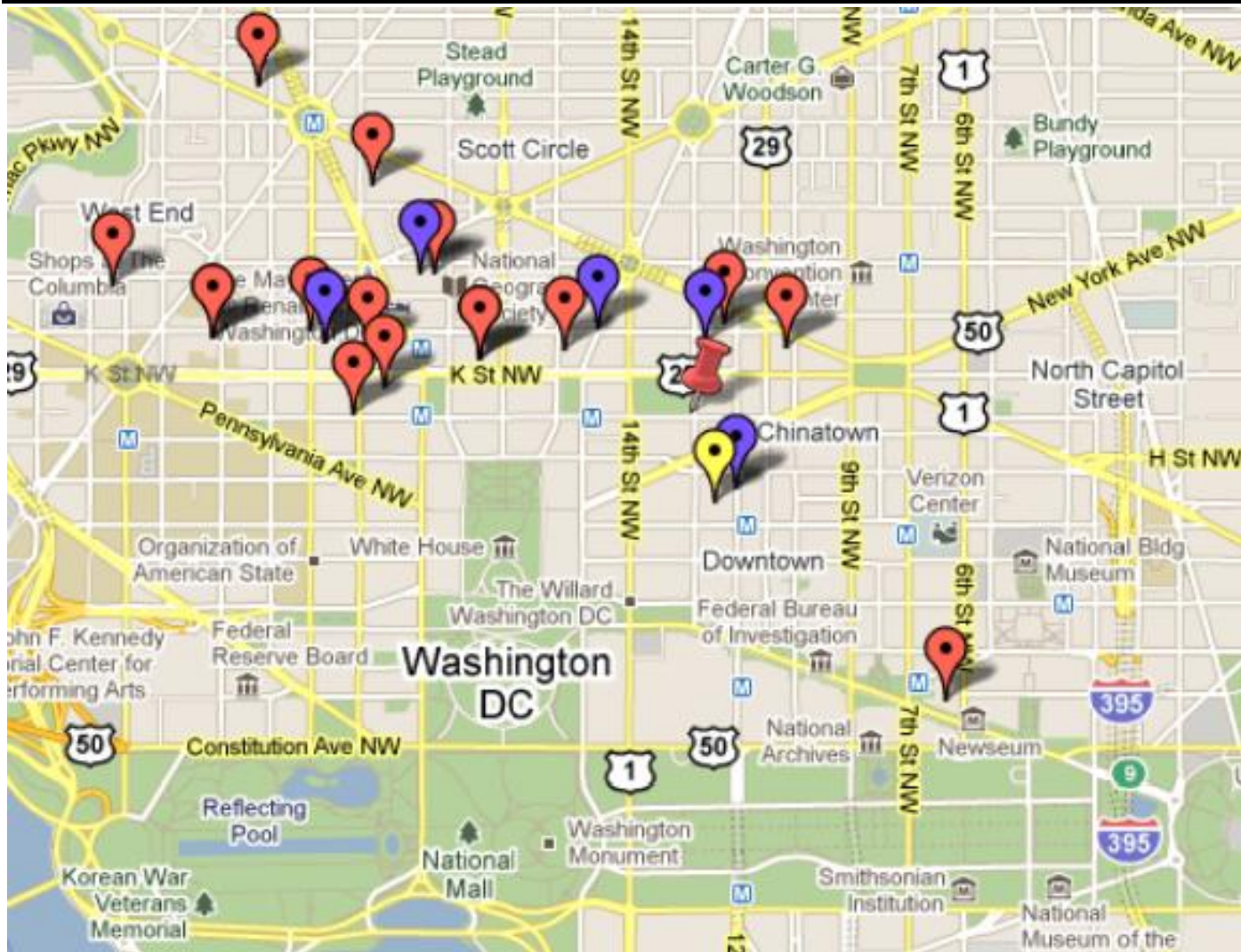
People vs Organizations (1/3 of people, 1/2 of organizations)

Table A.6.2 (b) Most Active People X Organizations-1 Alphabetical==>	ACSH	AnnapCtr	APCO	API	CATO	CEI	CFACT	CHC	E&E	FF	FF/CSPP	FoS	Fraser	FreeWork	GCC	GES	GMI	GMU	GWPF	Heartland	ICECAP	ICSC	NRSP	SEPP	SPPI	TASSC	TCS	WCR	WSJ
Legates, David R					2	3			3								3			4			3		3		3		
Lewis, Marlo, Jr						4		5												4							3		
Lindzen, Richard		2			2			4	3								4		3	4			3				3		5
McIntyre, Steve						3		3	3								4			5									4
McKittrick, Ross			2		2				3			3	4				4			5									4
Michaels, Patrick			3		4				3							3	3	3		4	3						3	5	5
Milloy, Steve			3	3	3	3		3												5						5	3		
Monckton, Chris..							3													5		3			4				
Morano, Marc							4													5									
Nova, Joanne																				5					4				
O'Brien, James J													3				3			3	3				3		3		
O'Keefe, William				5		4									5		5			4									
Peiser, Benny									5										5	3							3		
Robinson, Arthur									3											4									
Salmon, Jeffrey				3													5												
Seitz, Frederick																	5			3				4					5
Singer, S. Fred	3		3	3	3				3	3							5			4	3		3	5		3			4
Smith, Fred						5							2																
Solomon, Lawr...																				4									
Soon, Willie				2				3	3		3		3			3	4			5					4		3	3	
Spencer, Roy					2												4			4	3						3		
Thorning, Margot																	3												
Watts, Anthony																				4					3				

Where are these Organizations?




Washington, DC, near K Street*



* Lobbyist
Central

maps.google.com/maps/ms?hl=en&ie=UTF8&msa=0&msid=107940825189517771981.0004815492d08b0c445f9&ll=38.882481,-76.978455&spn=0.771829,1.253815&z=10



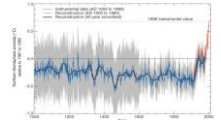
- **“Climategate” in full swing**
 - Best analog: Monty Python witch scene:
www.youtube.com/watch?v=yp_l5ntikaU
 - MM & PA “Commonwealth Foundation” (Scaife) attacks Michael Mann @ PSU
 - Even very good science institutions unused to such attacks
- **Familiarity with organizations, spokespeople, networks**
 - APS petition organizers trying to use “Climategate”
 - Hope: given connections, watch for *actionable* errors, roll up network
 - Tentative: investigate libel issues, especially in UK, Canada, Australia
 - Starting to look at funding flows 
- **Canadian surprise started weird trip (still in progress)**
 - Focus here on discoveries
 - Hopefully, DC will write a book on how this all happened!



December 2009

• “Deep Climate” (DC) found problem ~~original Watergate break-in

- Then, one thing led to another, and more ... and more *actionable* issues
deepclimate.org/2009/12/17/wegman-report-revisited/ START HERE
- Had been following Ross McKittrick and Steve McIntyre
- Attacks on “hockey stick” temperature reconstruction, MBH = Mann, Bradley, Hughes (1999)



• 2006 “Wegman Report” (WR) to US Congress, usually dismissed as poor

- But, a staple of climate anti-science, often cited (except in actual peer-reviewed science)

• DC discovered several pages of plagiarism in WR

- Ray Bradley’s (classic) Paleoclimatology textbook ... but distorted
- Social Network Analysis texts, to support manufactured attack on peer review

Deep Climate

Exploring climate science disinformation in Canada and beyond

[HOME](#) [ABOUT](#) [COMMENT POLICY](#) [CONTACT](#) [MISC](#) [READER SUGGESTIONS](#)



[← McIntyre provides fodder for skeptics](#)

[Wegman \(and Rapp\) on tree rings: A divergence problem \(part 1\) →](#)

Contrarian scholarship: Revisiting the Wegman report

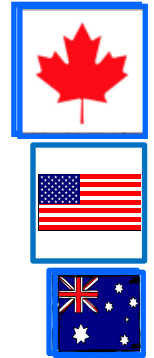
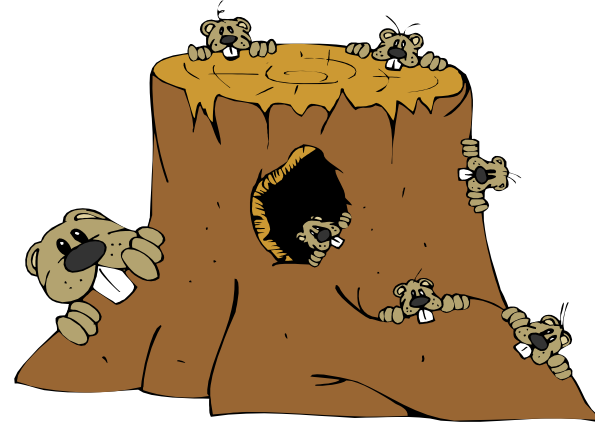
Posted on [December 17, 2009](#) | [226 Comments](#)

RECENT COMME

 [citizenschal](#)
[“climatega](#)

 [citizenschal](#)
[“climatega](#)

- DC kept beavering away, finding more and more 2009 ... 2010 ... 2011
 - Terrific investigative digging and analysis
 - A few people recognized possible importance and started helping
 - » *actionable* errors



- Many DC posts – start December 2009 and follow them
- Once-obscure website became much more visible



- **Integration with knowledge of (mostly US) anti-science machine**
 - George Marshall Institute (Naomi Oreskes and Erik Conway), CEI
 - Rough 02/10 report (much written in B.C. ski condo), soon updated to 185-page
 - 03/15/10 www.desmogblog.com/crescendo-climategate-cacophony (CCC)



- **DC found more plagiarism in WR, etc eventually in 10 pages of 91**
 - deepclimate.org/2010/04/22/wegman-and-saids-social-network-sources-more-dubious-scholarship/ Very important, includes Said, Wegman, et al (2008)



- **→ Re-examine WR Summaries, Bibliography, CCC loose ends**
 - Expect 1-2 months, 30 pages → ... → 6 months, 250-page report
 - 09/26/10 deepclimate.org/2010/09/26/strange-scholarship-wegman-report/ (SSWR)
 - content.usatoday.com/communities/sciencefair/post/2010/10/wegman-plagiarism-investigation-/1 USA Today article, first of several



- **As learned later, Ray Bradley had filed academic misconduct complaint**
 - George Mason University (GMU) ~stonewalled
 - 01/06/11 www.desmogblog.com/gmu-still-paralyzed-wegman-and-rapp-still-paranoid (SIGMU2) people should be careful where they send emails

Plagiarism, a Tiny Sample



- Wegman Report update, part 1: More dubious scholarship in full colour

- deepclimate.org/2010/07/29/wegman-report-update-part-1-more-dubious-scholarship-in-full-colour/
- DC had somehow found 10 pages of WR like this
- Cut-and-paste, edit, and sometimes distort ... familiar style



- SSWR added 25 more pages (Summaries, easier), and many other problems

- By now, 35/91 pages of WR, plus, articles, book chapters, 4 PhD dissertations...

Wegman – para 1

A cross section of a temperate forest tree shows variation of lighter and darker bands that are usually continuous around the circumference of the tree.

These bands are the so-called tree rings and are due to seasonal effects. Each tree ring is composed of large thin-walled cells called early wood and smaller more densely packed thick walled cells called late wood.

The average width of a tree ring is a function of many variables including the tree species, tree age, stored carbohydrates in the tree, nutrients in the soil, and climatic factors including sunlight, precipitation, temperature, wind speed, humidity, 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.

Bradley – 10.2

A cross section of most temperate forest trees will show an alternation of lighter and darker bands, each of which is usually continuous around the tree circumference.

These are seasonal growth increments produced by meristematic tissues in the tree's cambium. When viewed in detail (Fig. 10.1) it is clear that they are made up of sequences of large, thin-walled cells (earlywood) and more densely packed, thick-walled cells (latewood). Collectively, each couplet of earlywood and latewood comprises an annual growth increment, more commonly called a tree ring.

The mean width of a ring in any one tree is a function of many variables, including the tree species, tree age, availability of stored food within the tree and of important nutrients in the soil, and a whole complex of climatic factors (sunshine, precipitation, temperature, wind speed, humidity, and their distribution throughout the year). The problem facing dendroclimatologists is to extract whatever climatic signal is available in the tree ring data and to distinguish this signal from the background noise.

Tally of Problems in WR

Page Tally by Topic and Attributes Wegman Report Sections Details in Appendix W.# here		WR Pages	WR Page Count	Unlikely Writer(s)	General	Paleo	Math Descr	MM	Statistics	SNA	Find, Rec	Plagiarism	Copy, Ack'd	<eE> Errors	<cC> Changes	<bB> Biases	Key takeaway messages: --Errors, Changes, Biases pervade the WR --Many pages are red, and white boxes include red
(0.) Exec background		2	0.5		0.5											2	Legend General text Paleoclimate Math Description (not doing math) MM replication or related charts Statistics Relevant statistical analysis of MBH that might pass peer review SNA - Social Network Analysis Findings, Recommendations Plagiarism Pages with substantial SS Copy, Acknowledged Pages mostly just copied, Ack'd, so not plagiarism. Not new work, does add bulk. <eE>, <cC>, <bB> issues Page counts done to .5 page, as full, for simplicity. *See [DEE2010j], the "1"s just note presence, not counts. @This isn't Statistics, but might not be exactly MM, either. Graph likely came from MM. # Counts only unSummarized references + White = mix of blue/green with red/orange insertions & Grey: neutral, straightforward
(0.) Exec Global Climate		2-3	1.0			1.0								1	1		
(0) PCA, CFR, CPS		3-4	1.0				1.0									2	
(0) Findings		4-5	1.5								1.5			1	9		
(0) Recommendations		6	1.0								1.0					1	
1. Introduction &		7	1.0		1.0												
Copy of Barton/Whitfield		8-9	2.0		2.0								2.0			1	
2.1 Paleo background		10	1.0	Said		1.0								2	1	1	
Tables from Bradley &		11-12	2.0	Said		2.0							2.0	3	1		
Text from Bradley (tree rings) *		13-14	1.5	Said		1.5						1.5		1	1	1	
Text from Bradley (ice, coral) &		14-15	1.0	Said		1.0						1.0					
2.2 Background on PCA*&		15-17	2.0	Said			2.0					2.5		1	1		
2.3 Background on SNA*&		17-22	5.5	Said						5.5		5.5		1	1		
3. Literature review, from App. C. +		23-27	5.0			5.0								7	7	16	
4. Reconstruction, PC Methods		28	0.5			0.5							0.5	1		1	
" " "		28-29	1.5				1.5							3			
Replicate MM graphs		30-33	4.0					4.0					3.0				
Copy/modify IPC1990		34	1.0					1.0					1.0	1			
Make noisy IPC1990s @		35-37	3.0					3.0									
5. SNA		38-45	8.0	Said						8.0						1	
5.8 Figure		46	1.0	Rigsby													
5.9 Figure		47	1.0	Mcl?		1.0		1.0					1.0	1	3	3	
6. Findings		48-50	3.0	Mcl?							3.0			5		11	
7. Recommendations		51-52	2.0								2.0			1		4	
(8) Bibliography +		53-59	7.0	Said		7.0								8		30	
Appendix title page &		60	1.0		1.0												
(9) App. A, PCA math &		61-63	3.0	Scott			3.0										
(10) App. B. Boehner		64-66	3.0		3.0								1.5	3		7	
(11) App C. Summaries +		67-92	26.0	Said		26.0						25.0		33	24	37	
Total pages/pages per topic		91	91.0		7.5	46.0	7.5	9.0	0.0	13.5	7.5	35.5	11.0	76	39	129	
% pages per topic					8%	51%	8%	10%	0%	15%	8%	39%	12%				

Machine at work, pre-Wegman Panel

Part 1 – Events before the Wegman Panel formed

01 1998 GCSTC organized by American Petroleum Institute



TT:ThinkTanks
CEI | GMI
Ebell | O'Keefe*
Salmon
Singer**
*O'Keefe then API
**via his wife

"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 ..."

02 2001.10.11 McKittrick talk for Congress



TT:ThinkTanks
CEI | GMI
Ebell | O'Keefe
Homer | Kueter
Singer, Michaels...
McKittrick

CO: Congress
Senate
Inhofe
House
Barton Whitfield
Spencer

Ebell connects with McKittrick, brings to Washington, DC.

03 2002.07.25 House hearings on climate



TT:ThinkTanks
CEI | GMI
Ebell | O'Keefe
Homer | Kueter
O'Brien, Michaels

CO: Congress
Senate
Inhofe
House Stearns
Barton Whitfield
Spencer

04 2003.02.27 Essex, McKittrick talk for Congress, Senate offices



TT:ThinkTanks
CEI | GMI
Ebell | O'Keefe
Homer | Kueter
Singer, Michaels...
McKittrick
Essex

CO: Congress
Senate
Inhofe
House
Barton Whitfield
Spencer

Ebell promotes Essex and McKittrick, speaking about their book.

05 2003.11.xx MM meet Inhofe



TT:ThinkTanks
CEI | GMI
Ebell | O'Keefe
Homer | Kueter
Singer, Michaels...
MM McKittrick
MM McIntyre

CO: Congress
Senate
Inhofe
House
Barton Whitfield
Spencer

McIntyre has connected with McKittrick, now working together, Ebell promotes them, and introduces them to cast of anti-science all-stars at GMI. (next netflow).

In these activities, red shows people known to be involved.

06 2003.11.18 MM talk to CEI + GMI; are GMI "experts" by 1Q04

TT:ThinkTanks
CEI | GMI
Ebell | O'Keefe
Homer | Kueter
Singer, Michaels...
MM McKittrick
MM McIntyre

CO: Congress
Senate
Inhofe, Hogan
House
Barton Whitfield
Spencer

Aloysius Hogan, counsel for Inhofe, asks questions about tree-rings statistics. Other GMI: Baliunas, Soon, Jastrow
Singer thanked McIntyre for earlier sending data



07 2005.02.10 Inhofe talks for GMI; WSJ Article on MM, OpEd

TT:ThinkTanks
CEI | GMI
Ebell | O'Keefe
Homer | Kueter
Singer, Michaels...
MM McKittrick
MM McIntyre

CO: Congress
Senate
Inhofe
House
Barton Whitfield
Spencer

TT+CO, but who?
Barton later claimed WSJ article noticed, led to letters. Really? He and Inhofe are long allies, oil \$\$\$.

WSJ
2005.02.14
Regalado
Front page
2005.02.18
OpEd



08 2005.05.11 MM talk for GMI, MM05x KEYSOURCE

TT:ThinkTanks
CEI | GMI
Ebell | O'Keefe
Homer | Kueter
Singer, Michaels...
MM McKittrick
MM McIntyre

CO: Congress
Senate
Inhofe
House
Barton Whitfield
Spencer

Unlike earlier meetings, this only names a few people, does not name question askers. Some of the questions are technical (likely Singer), but these meetings also usually have CO attendee(s).



09 2005.06.23 Barton, Whitfield letters to MBH, others

TT:ThinkTanks
CEI | GMI
Ebell | O'Keefe
Homer | Kueter
Singer, Michaels...
MM McKittrick
MM McIntyre

CO: Congress
Senate
Inhofe
House
Barton Whitfield
Spencer

Mann, Bradley, Hughes Pachauri, Bement
Ebell had copies of letters immediately, even before at least one recipient
TT promotion of MM goes underground, CO is carrying the ball, Ebell is elated



10 2005.07.15 Letter from NAS offering NRC report, rejected

TT:ThinkTanks
CEI | GMI
Ebell | O'Keefe
Homer | Kueter
Singer, Michaels...
MM McKittrick
MM McIntyre

CO: Congress
Senate
Inhofe
House
Barton Whitfield
Spencer

Rep. Boehlert chastises Barton & Whitfield, says ask NAS for advice.
2005.07.15
Ralph Cicerone
President, NAS
Rejection awkward.



Machine at work, Wegman Panel & After

Part 2 - Wegman Panel and after

11 Contact, misleading vague claims later by Barton, Whitfield



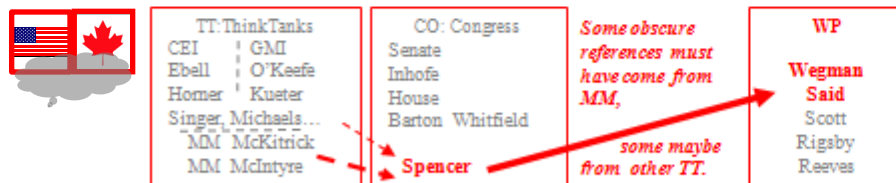
12 2005.09.01 Actual contact by Coffey



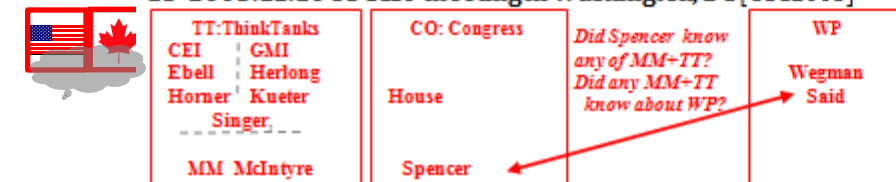
13 2005.09.xx Contact by Spencer



14 2005-2006 Flow of references

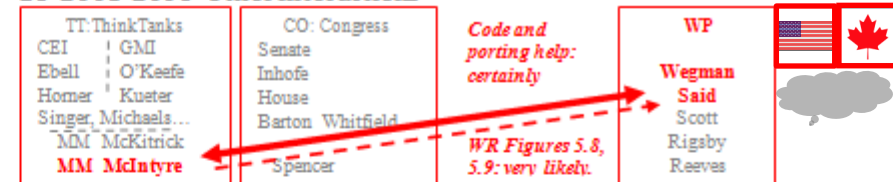


15 2005.11.14 USCCSP meeting in Washington, DC [USC2005]



In these activities, red shows people known to be involved

16 2005-2006 Other interactions



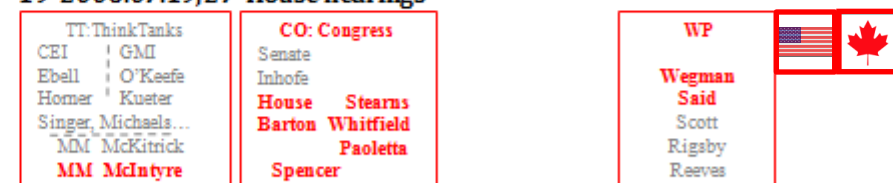
17 2006.03.01 NAS Panel, Washington, DC



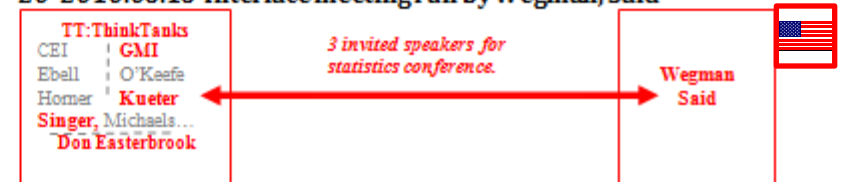
18 2006.07.14 Barton, Whitfield announce; WSJ Editorial



19 2006.07.19, 27 House hearings



20 2010.06.16 Interface meeting run by Wegman, Said



Rocks - Results from Wegman Report

- Astonishing mass of unexpected fallouts

- Canadian/American cooperation → Wegman Report → 2 key objectives

- #1 claim hockey stick broken

Wahl & Ammann, Ritson ... SSWR

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

- #2 discredit climate science (and scientists, claiming bad peer review)
Said(2008); SSWR on Social Network Analysis, Appendix W.5.

- Canadian/American cooperation → demolishing it, with prejudice

- Many *actionable* issues in progress ... but take longer than expected

- Academic misconduct complaints
- Retractions of papers likely
- Possible PhD revocations (although with GMU? Maybe not?)
- New: massive plagiarism by Wegman, Said ... in journal they edit
deepclimate.org/2011/03/26/wegman-and-said-2011-dubious-scholarship-in-full-colour/
- Office of Research Integrity? ... teeth
- Funds misuse?
- Misleading Congress = felony, conspiracy to do so = felony ?maybe some day?

Rocks - Libel for Starters

- CCC (p.184) identified Internet-amplified libelous attacks as problem

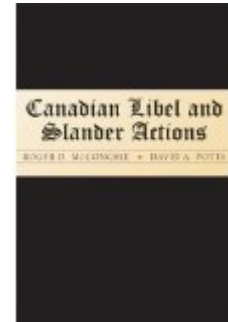


- 04/21/10 Climate Scientist Sues National Post
www.desmogblog.com/climate-scientist-sues-national-post

Andrew Weaver of U Victoria

Roger McConchie

Google: canadian libel → Roger McConchie & David Potts →



- 01/21/11 CanadaFreePress Apologizes to Dr. Andrew Weaver
www.desmogblog.com/canadafreepress-apology-weaver

“Run away, run away”



- 02/11/11 Andrew Weaver Sues Tim Ball for Libel
www.desmogblog.com/weaver-sues-tim-ball-libel

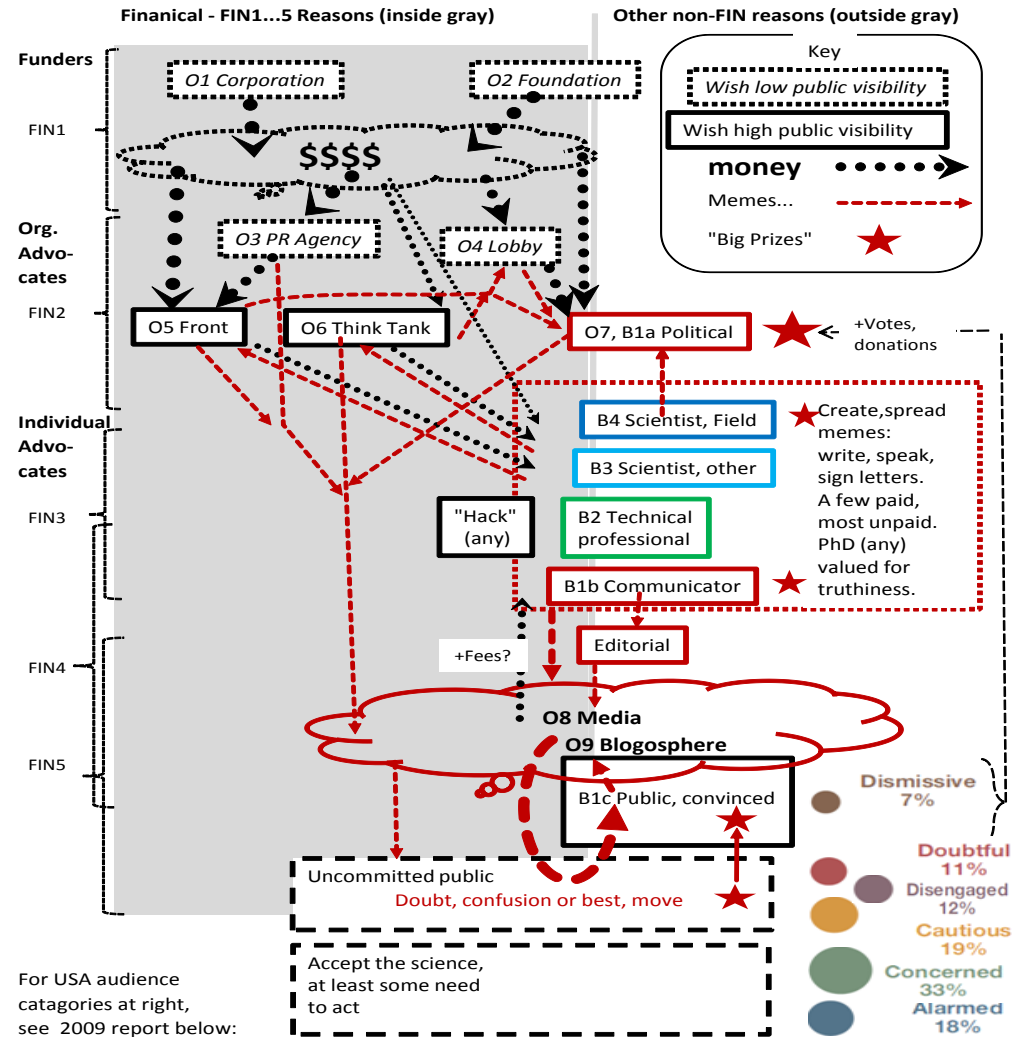


- 03/29/11 Michael Mann suing Tim Ball for libel
www.desmogblog.com/michael-mann-suing-tim-ball-libel

- Great start ... but felicitous combination that needs help to scale

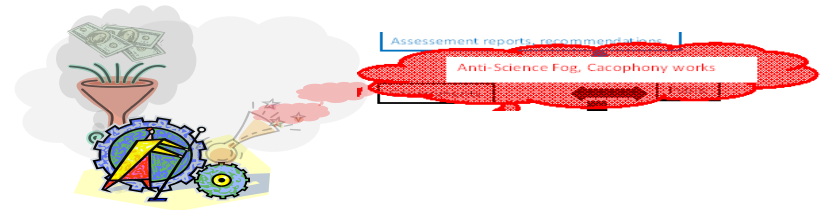
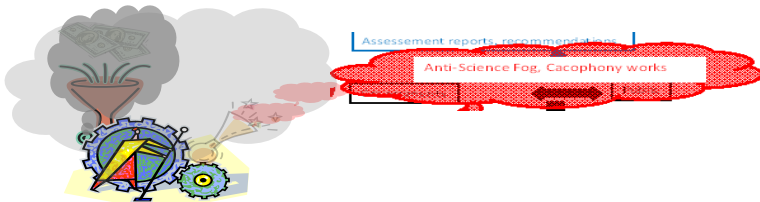
The Machinery – Defog & Rocks


- **Funders and fronts**
Shine spotlight, defog
Nonprofits?
Hope to roll up
- **Spokespeople**
Actionable errors
Libels?
- **Internet amplification**
Social network exposure



Conclusions

- Climate anti-science machine is well-established, well-funded PR/lobbying



- Scientists do not generally excel at fighting PR/lobbying efforts
“You scientists have to keep doing the science we need. We can’t.
All of you need to learn how to deal with the press.
Some of you need to spend more time in outreach and communication.
A few of you, with the talent and practice, need to do that a lot.
And some of the rest of us have to help get these people off your backs.”
- Bloggers, around world  etc.
- People with PR/journalism backgrounds
- Journalism- What to do About Poor Science Reporting
scienceblogs.com/deltoid/2007/10/john_mashey_what_to_do_about_p.php
- Lawyers
- Government ... this is all about policy in the long run
- The machine does **not** like this kind of visibility ... or rocks in the gears



Acknowledgments



- Stephen Schneider (for lessons and help)



- Naomi Oreskes for her talks and advice (and with Erik Conway, MoD)



- Tim Lambert (Deltoid) for many posts and support



- Jim Hoggan, Richard Littlemore, others at DeSMogBlog



- **“Deep Climate” for breakthroughs on Wegman Report, etc**



- RealClimate (USA + others)



- Dan Vergano @ USA Today



- John Cook @ Skeptical Science



- “Eli Rabett” of Rabbett Run

- Sourcewatch and others who’ve patiently built databases

- Many climate scientists for doing the science

- Many climate scientists and social scientists for discussions

- Many other bloggers/commenters from whom I’ve learned

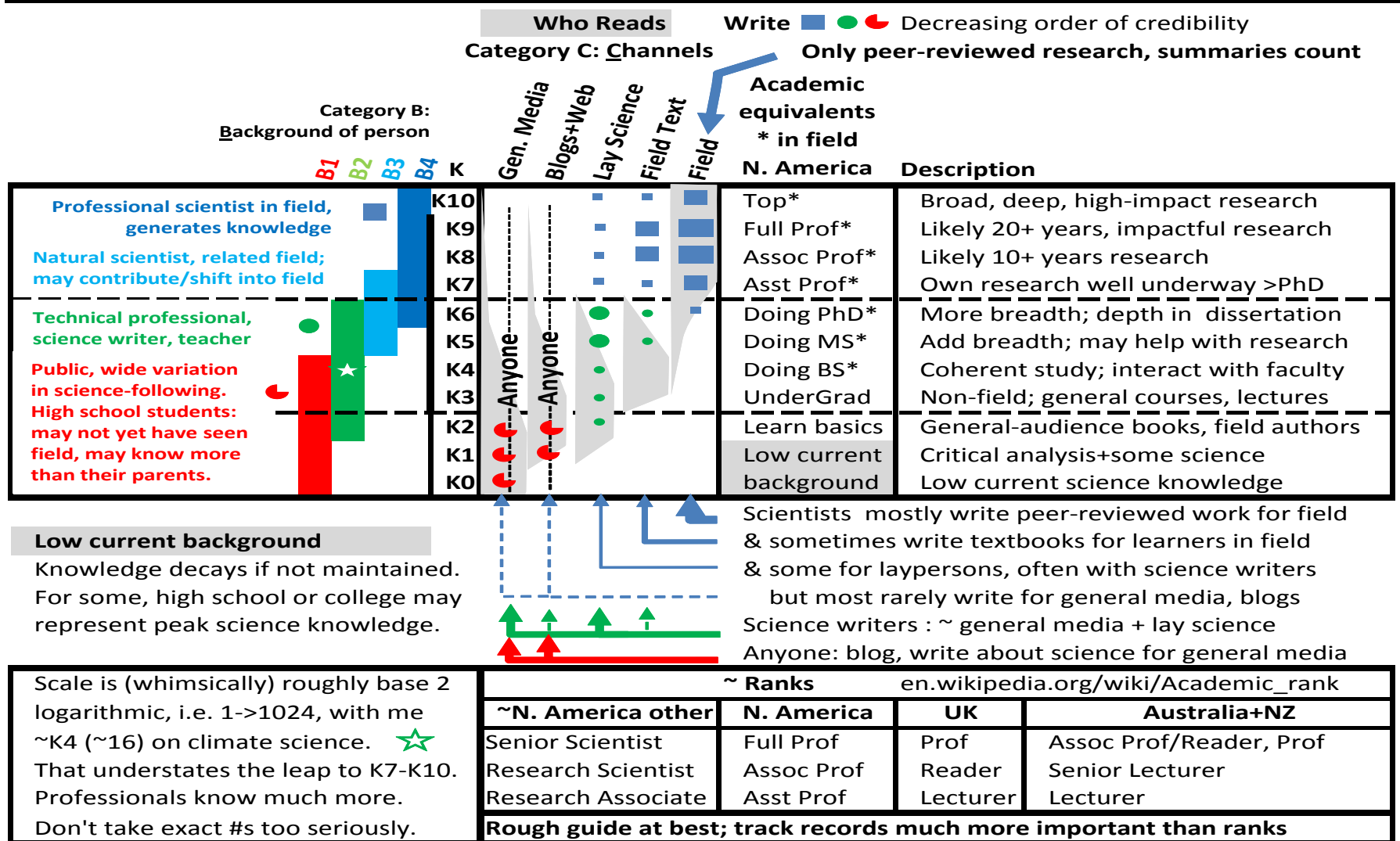
- Others who have made suggestions, filed complaints, etc.

- My wife for putting up with all this

- The Internet and my 4-core, 8GB+500GB HP laptop with 3 extra displays

Backup Slides

Knowledge & Expertise in Science Field



Backgrounds of People

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

Organization Types, of Which Some Do Anti-Science

Organizational Advocacy <i>Italics: minimize public visibility, at least for this specific topic/connection</i> Funds normally start with O1/O2, but then often follow multi-hop paths through others	
O1 Corporation	<i>Corporations, especially those that "privatize profits, socialize costs"</i> <i>See "negative externalities" in economics. May outsource some lobbying.</i>
O1a	<i>Profits: strongly-detrimental products; Ex: TOBACCO</i>
O1b	<i>Profits: products useful, but have negative side-effects, relatively localized</i> <i>Ex: Asbestos, local polluters</i>
O1c	<i>Profits: clearly useful products/services, but broad negative side-effects</i> <i>Ex: Fossil fuels (energy) and other GHG producers</i>
O1d	<i>Specific wish to lower regulation/taxes/risks for itself</i>
O1e	<i>General wish to minimize bureaucracy of doing business</i>
O2 Foundation	<i>Often funded by family wealth built on same corporation types as in O1</i> <i>Individual funders may be included here, but the big money is foundations.</i>
O3 PR Agency	<i>Work-for-hire (WFH); minimal public visibility; can do major strategy</i> <i>Some (not all) PR agencies seem happy to sell anything to anyone:</i> <i>John Hill of Hill&Knowlton created tobacco strategy.</i>
O4 Lobbyist Firm	<i>Work-for-hire (WFH), but mostly targets government. USA: "K Street"</i> <i>Of course, others (O1-O3, O6-O7) do lobbying as well.</i>

Organization Types, A Few of Which Do Anti-Science

O5 Front Org or Industry Association	Usually "captives" of funders who create them for joint effort or a "public face" that might be more credible than the funders. 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 or policy institute Some Think tanks (and other NGOs) are nonpartisan entities that do what they claim. But some are not.	One-person+website ... large continuig entity. Often exists independent of specific funders (unlike O5b+O5c), but competes for funds, by touting abilities to convince public, lobby politicians, send FAXes, and seem as independent entities more credible than their funders. Funding is often murky, and some Think Tanks pass funds to others. They can do PR / lobbying, but have publicly-visble identity, unlike PR agencies and lobbyists, but unlike those, many are tax-free 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.
O9a	"Journal" of low repute, like E&E, JPANDS; more like blogs than MSMedia

Organizations, Backgrounds, Reasons

Organizational Advocacy Individual Advocacy <i>Ital: minimize visibility</i>	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											
B1c Other Public				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			
B3 Scientist, other			x	x	x		x		x	x		x	x	x										x		x			
B4 Scientist, Field			x				x		x	x		x	x	x										x					

Problems ... in Progress (as 2010, more now)



4(a) Problems Entity to Ask	Barton	Whitfield	Stearns	Spencer	MM	TT+CO	Coffey	Wegman	Said	Scott	Rigsby	Reeves	Sharabati	Rezazad	Rapp	McShane	Wyner	Potential Problems, *id are marginal, shown as reminders.	Refer	Who
1 U Southern California?															X			Rapp(2008) <-- WR 2.1 <-- Bradley (1999), plagiarism	W.2.1	
2 Springer															X			Rapp(2008) <-- WR 2.1 <-- Bradley (1999), copyright	W.2.1	Elsevier
3 U Penn/Wharton															X			[MCS2010] <-- WR (plagiarism), various (fabrication)	A.12	
4 Northwestern U															X	X		[MCS2010] <-- WR (plagiarism), various (fabrication)	A.12	
5 Johns Hopkins?									X*									X* work was done while Said at JHU. Any Issues?	WR	
6 GMU								X	X*									WR 2.1 <-- Bradley (1999) plagiarism	W.2.1	
7								X	X									WR 2.1 <-- Bradley (1999) copyright	W.2.1	Elsevier
8 GMU								X	X*									*WR 2.2 <-- Jolliffe (2002), Rangajaran, Ding (2003)	W.2.2	Springer
9 GMU								X	X*									*WR 2.2, WR2.3 <-- Wikipedia (marginal plagiarism)	W.2.2, W.2.3	
10 GMU								X	X*	?	?							WR 2.3 <-- Wasserman, Faust (1994), plagiarism	W.2.3	
11								X	X	?	?							WR 2.3 <-- Wasserman, Faust (1994), copyright	W.2.3	Cambridge
12 GMU								X	X	?	?							WR 2.3 <-- de Nooy, Mrvar, Bateglj (2005), plagiarism	W.2.3	
13										?	?							WR 2.3 <-- de Nooy, Mrvar, Bateglj(2005),copyright	W.2.3	Cambridge
14 GMU													X					[SHA2008] <-- WR.2.3 <-- sources above, plagiarism	W.5.6-7	
15 NIH, ORI									X									[SAI2008] plagiarism, gov't contract cited	W.5.6, W.2.3	
16 Purdue?													X					Is [SHA2008] an issue for Purdue?	W.5.7	
17 GMU														X				[REZ2009] <-- WR.2.3 <-- sources above, plagiarism	W.5.6.10	
18 GMU								X	X		X	X	X	X				(general) Review PhD Supervision practices?	A.9,W.5.7,W.5.10	
19 GMU									X									[SAI2005] <-- Shakhashiri web page, plagiarism	A.9	
20 GMU																		Get outside SNA experts to review "SNA" research?	A.5.1-2	
21 ASA								X	X	?								Ethical Guidelines? Any comments?	A.8	Statisticians
22 State of VA AG								X	X		X	X						GMU is in VA. Were any VA state funds used?	WR	VA Public
23 NSWC											X							[SAI2008] Were Federal funds used?	W.5.6, W.2.3	US Public
24 MITRE												X						Were Federal funds used?	WR, A.7	US Public
25 NIH, NOIAA, ORI									X									[SAI2008] 1 F32 AA015876-01A1, funding use?	A.7	US Public
26 ARO (Army Res. Org.)								X										[SAI2008] W911NF-04-1-0447, any issues?	A.7	US Public
27 ARL (Army Res. Lab.)								X	X									[SAI2008] W911NF-07-1-0059, funding use?	A.7	US Public
28 Congress	X	X		X														WP pro bono, but this fuss not free. How much \$\$?	A.7	US Public
29 Congress	X	X	?	X	X	?	X	X	X		?	?	?					18.U.S.C §1001, 18.U.S.C §4 OR 18.U.S.C §371	A.12	Congress,DoJ
30 GMU								?	?									18.U.S.C §1512, etc. Which person(s) deleted files?	A.11, A.12	Congress, DoJ

Strange Inquiries at George Mason University



- 01/06/11 www.desmogblog.com/gmu-still-paralyzed-wegman-and-rapp-still-paranoid
 - 1-year stonewall
 - Why? ?? Koch funding ??
 - Despite possible interest by Office of Research Integrity

