

Skeptics

Why is there so much controversy about climate change?

In 1998, the American Petroleum Institute , along with the American Legislator's Exchange Council, the Heartland Institute, the George C. Marshall Institute, and the Frontiers of Freedom came up with a

Global Climate Science Communications Plan



The plan said,

“Victory Will Be Achieved When

- Average citizens ‘understand’ (recognize) uncertainties in climate science; recognition of uncertainties become part of the ‘conventional wisdom’

- Media ‘understands’ (recognizes) uncertainties in climate science”

Some of the tactics described in the plan were

- “Produce, distribute via syndicate and directly to newspapers nationwide a steady stream of op-ed columns and letters to the editor authored by scientists
- Produce, distribute a steady stream of climate science information via facsimile and e-mail to science writers around the country”

Source: *Climate Cover-up: The Crusade to Deny Global Warming*, James Hoggan, Greystone Books, Vancouver, Canada (2009)



American Legislator's Exchange Council
Heartland Institute
George C. Marshall Institute
Frontiers of Freedom

are advocacy groups; these groups pose as “think tanks” while promoting the interests of the businesses and industries that fund them.

Other advocacy groups that promote “doubt” about climate change are

- Cato Institute
- Tech Central Station
- Fraser Institute
- American Enterprise Institute
- Heritage Foundation
- National Center for Policy Analysis
- Americans for Balanced Energy Choices
- Center for Energy and Economic Development
- Science and Environmental Policy Program
- Competitive Enterprise Institute
- Committee for a Constructive Tomorrow
- Annapolis Center for Science Based Public Policy
- Natural Resources Stewardship Project
- Hoover Institution

These advocacy groups pay several scientists to author articles that are skeptical about climate change.

Some of these scientists are

- Willie Soon
- Sallie Baliunas
- Patrick Micheals
- S. Fred Singer
- Richard Lindzen
- William Gray
- Timothy Ball
- Roy Spencer
- John Christy

The businesses and industries that provide the funding, the advocacy groups they support, and the scientific skeptics that collaborate with both are **not just against the idea of climate change.**

They are defending the “free” market system!

Nothing Should Be Regulated!!



Their mantra is

Free Markets =

Capitalism =

Democracy

Source: *Merchants of Doubt*, N. Oreskes and E.M. Conway, Bloomsbury Press, New York (2010)



Because of this mantra:

It took 50 years to ban lead from gasoline!

It took 20 years to ban DDT!

It took 40 years to ban second-hand smoke!

It took 20 years to ban CFCs!

It took 20 years to limit sulfur dioxide emissions!

The advocacy groups, the scientific skeptics that work with them, the ideologically sympathetic, main-stream media (Fox News, Wallstreet Journal, Washington Times), and the websites run by these groups form

The Echo Chamber

Example: “New Scientist” magazine published an article that said, “555 glaciers of 625 observed by the World Glacier Monitoring Service have been growing since 1980”.

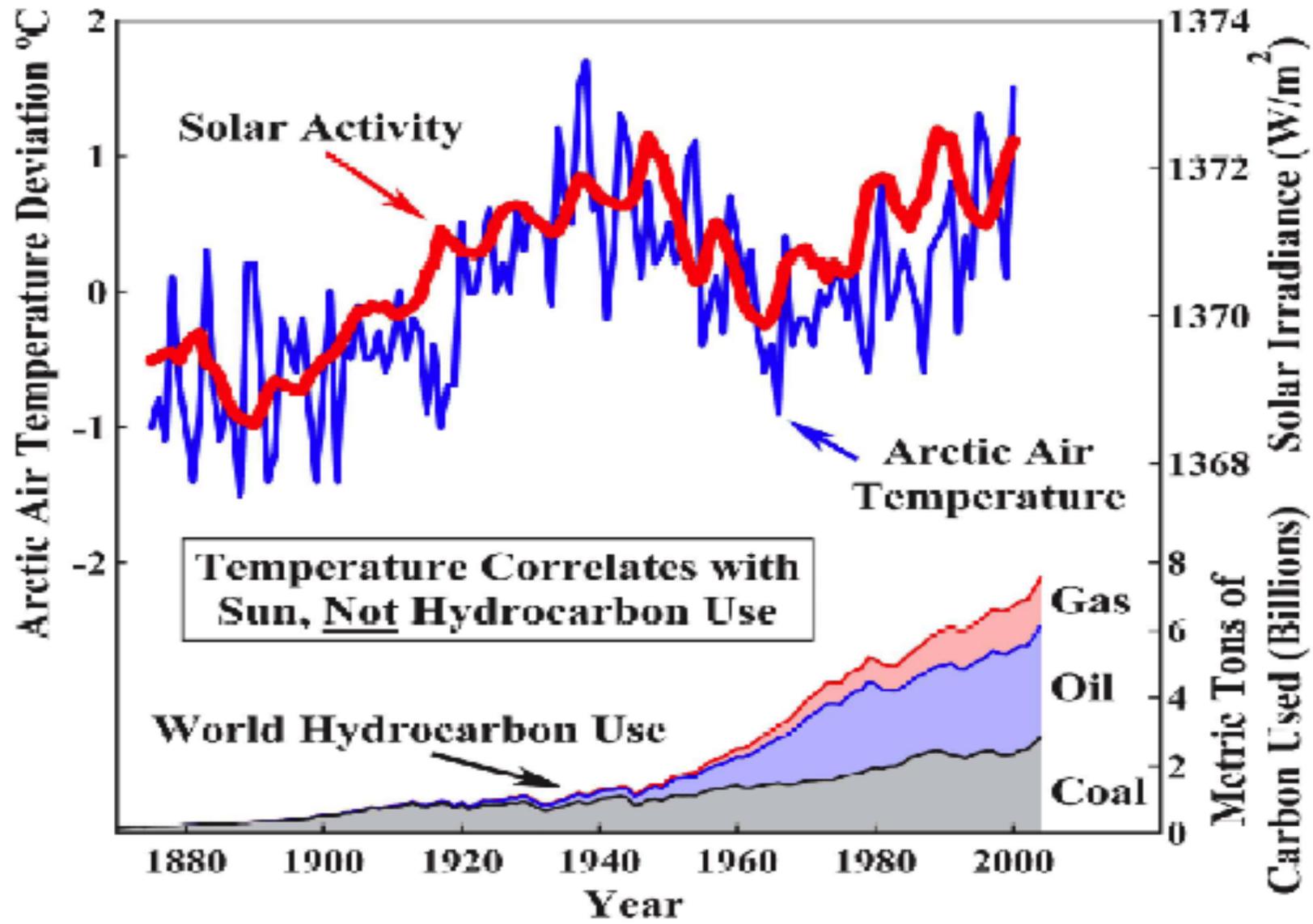
JunkScience.com said, “555 glaciers of 625 observed by the World Glacier Monitoring Service have been growing since 1980”.

National Center for Public Policy said, “555 glaciers of 625 observed by the World Glacier Monitoring Service have been growing since 1980”.

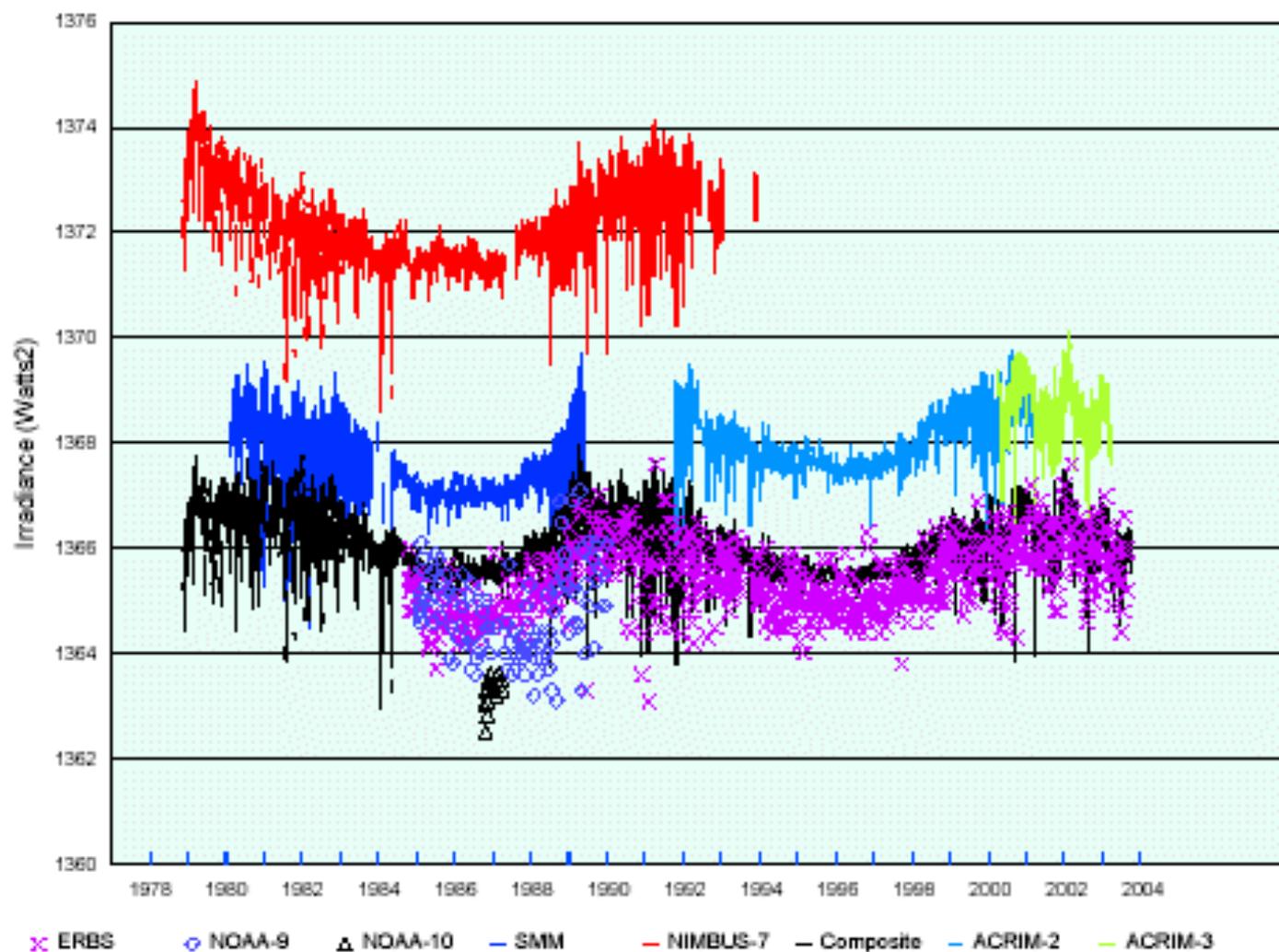
GlobalWarming.org said, “555 glaciers of 625 observed by the World Glacier Monitoring Service have been growing since 1980”.

Science and Environmental Policy Project said, “555 glaciers of 625 observed by the World Glacier Monitoring Service have been growing since 1980”.

A scientist checked with an official of the World Glacier Monitoring Service who said, “**This is complete bullshit**”.



Total Solar Irradiance



Temperature vs Solar Activity

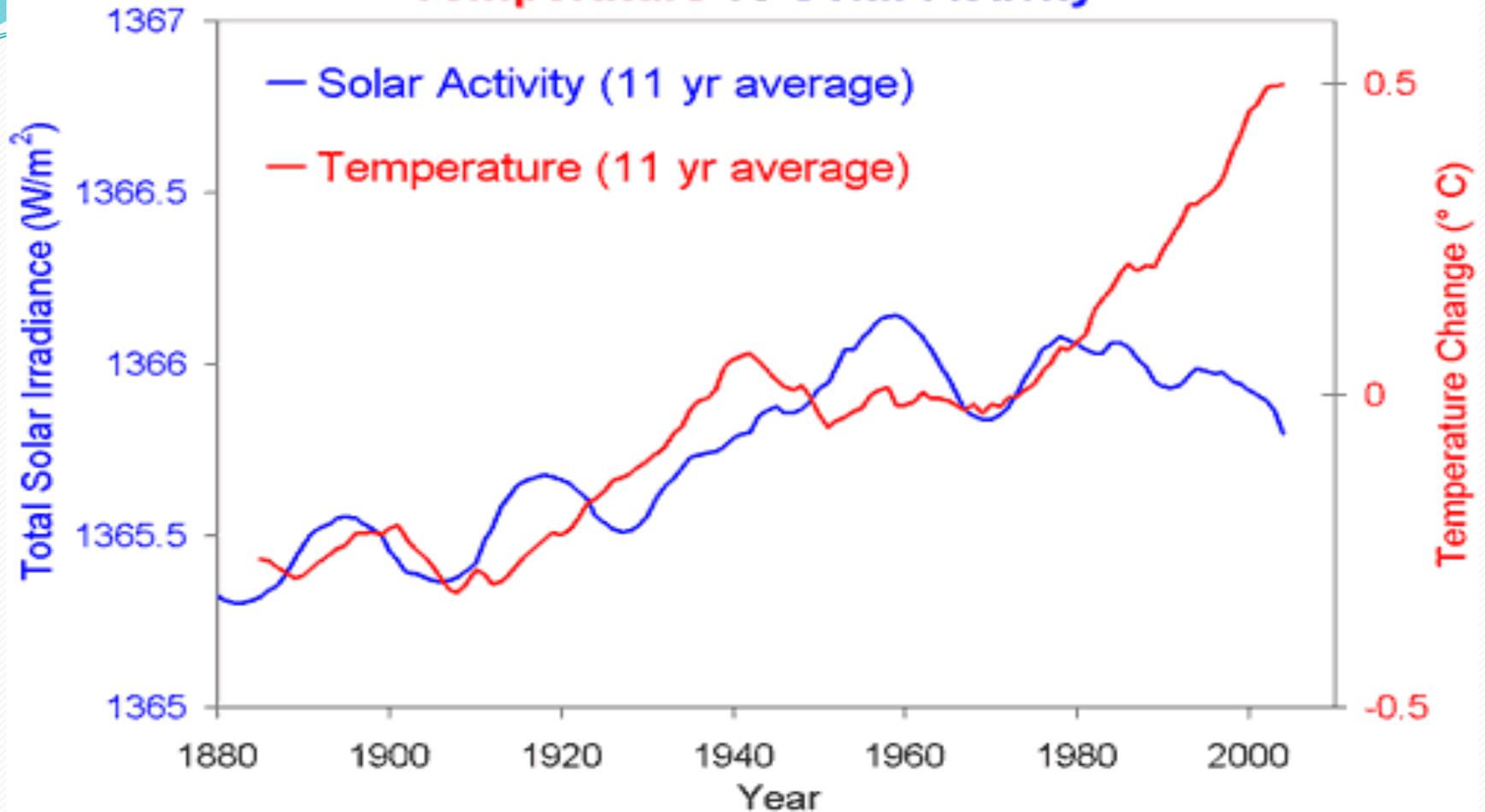


Figure 1: Global temperature (red, [NASA GISS](#)) and Total solar irradiance (blue, 1880 to 1978 from [Solanki](#), 1979 to 2009 from [PMOD](#)).



Willie Soon, Ph.D. is an astrophysicist and a geoscientist at the Solar, Stellar and Planetary Sciences Division of the Harvard-Smithsonian Center for Astrophysics. He is also the receiving editor in the area of solar and stellar physics for *New Astronomy*. He is the author of *The Maunder Minimum and the Variable Sun-Earth Connection* (World Scientific Publishing Company 2004). Soon's honors include a 1989 IEEE Nuclear and Plasma Sciences Society Graduate Scholastic Award and a Rockwell Dennis Hunt Scholastic Award from the University of Southern California for "the most representative Ph.D. research thesis" of 1991. In 2003, he was invited to testify to the United States Senate. SOURCE:<http://www.globalwarmingheartland.com/expert.cfm?expertId=162>

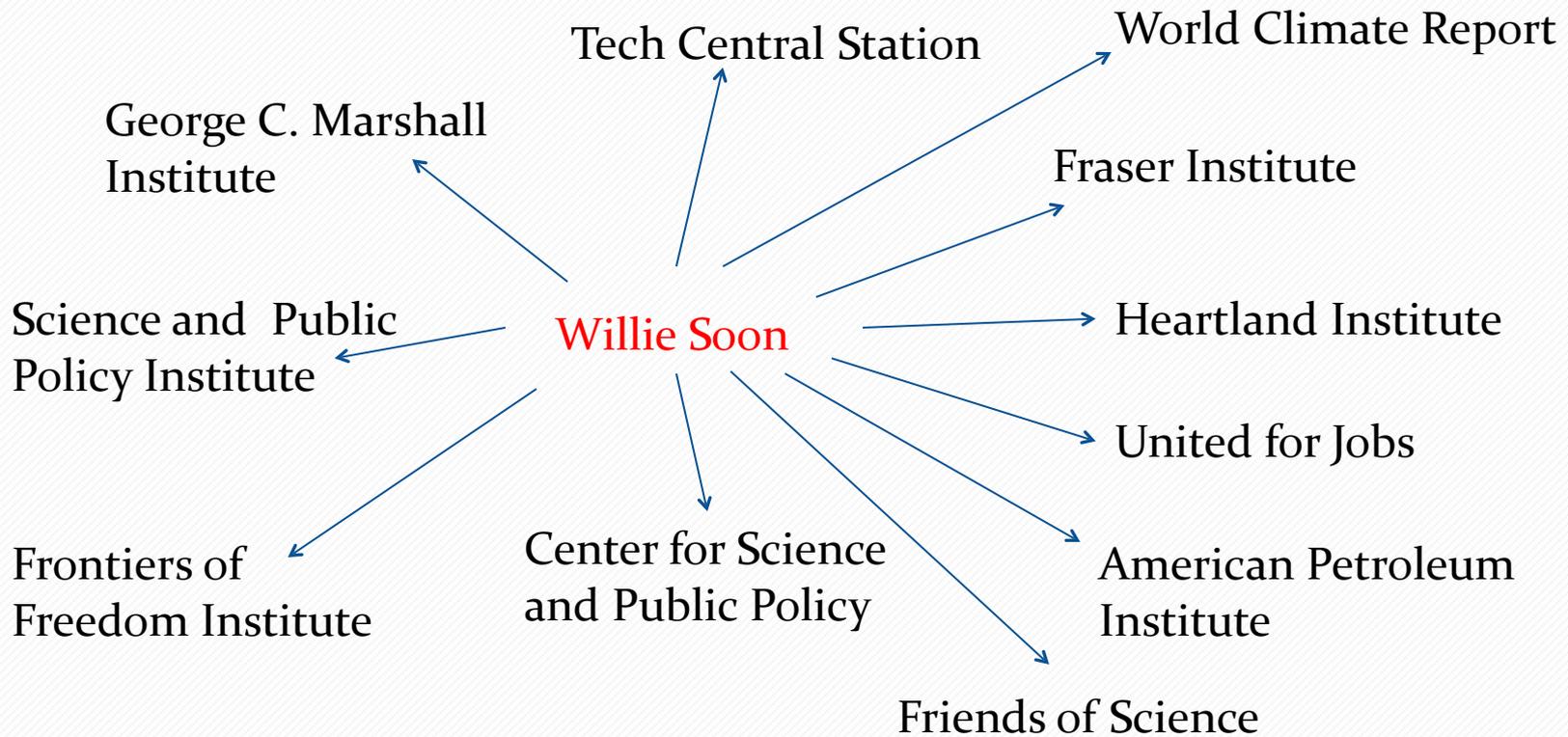
January 2003

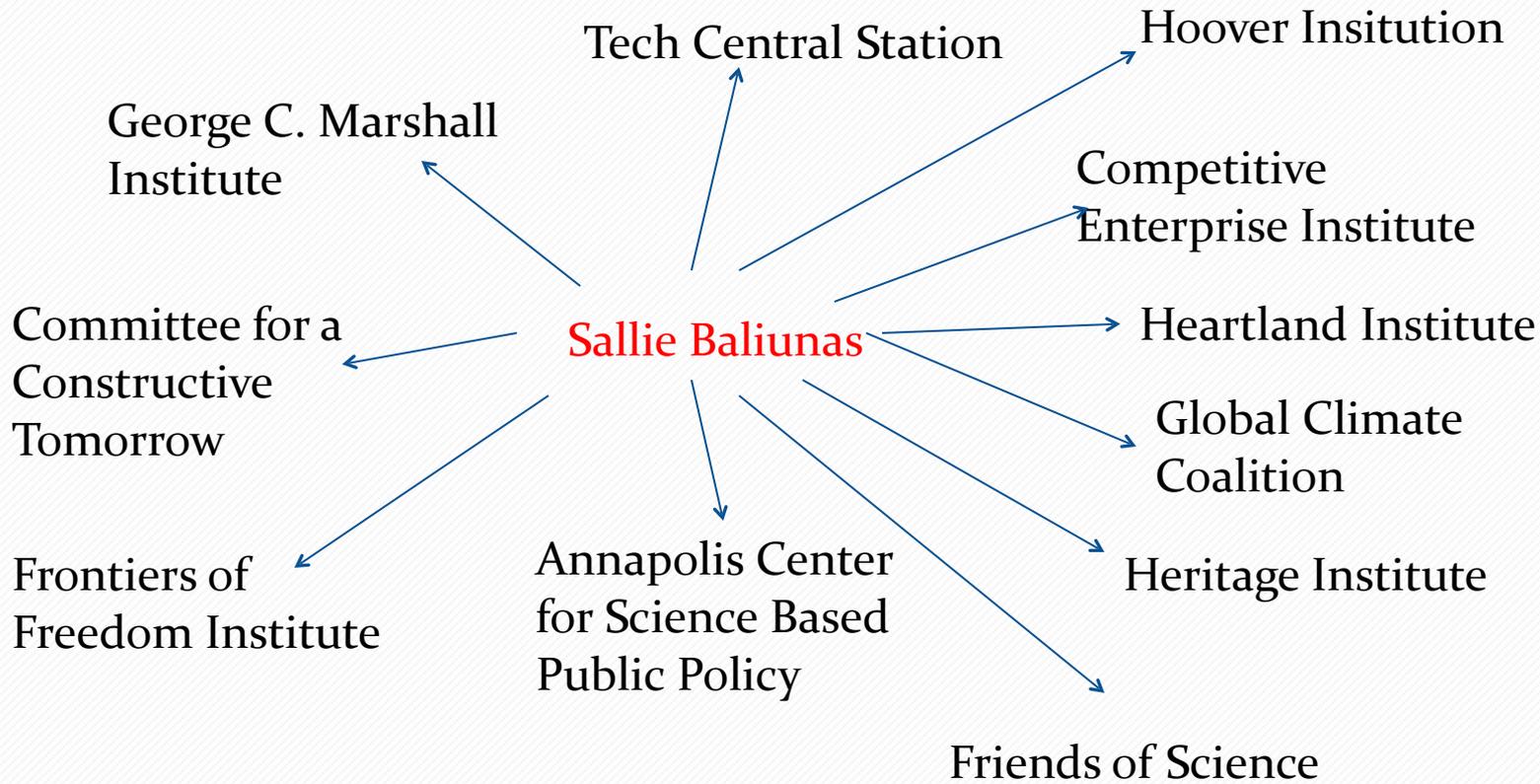
Published, with fellow skeptic Sallie Baliunas, an article in the journal *Climate Research*, which reviewed the work of a number of climate scientists. The review concluded that:
“... the 20th century is neither the warmest century nor the century with the most extreme weather of the past 1000 years.” The review also stated “the Medieval Warm Period of 800 to 1300 A.D. and the Little Ice Age of 1300 to 1900 A.D. were worldwide phenomena not limited to the European and North American continents. While 20th century temperatures are much higher than in the Little Ice Age period, many parts of the world show the medieval warmth to be greater than that of the 20th century.”

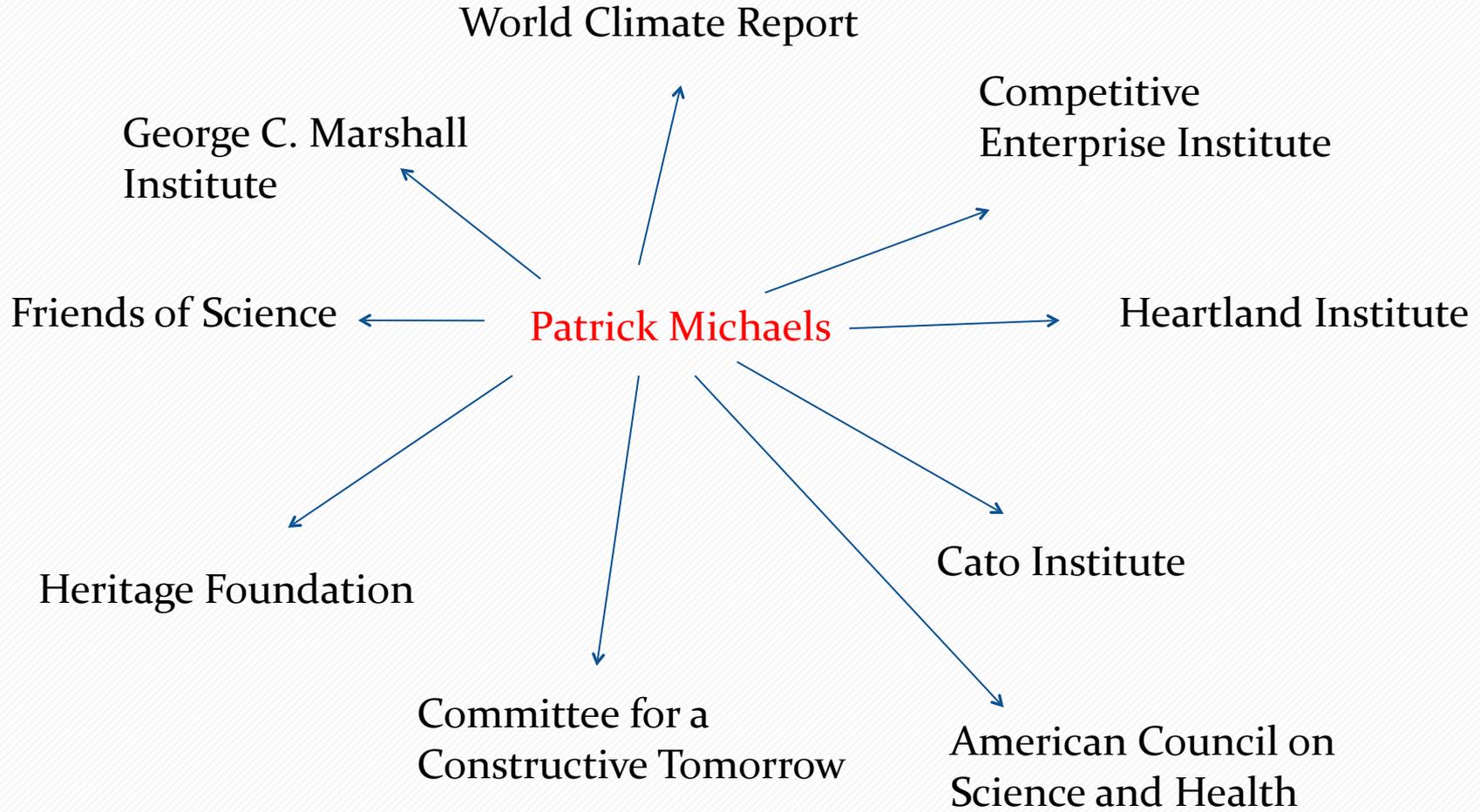
The article, partly funded by the American Petroleum Institute, caused the resignation of three of the journal's editors, in protest at the peer review process. The peer review process was conducted by New Zealand skeptic scientist Chris de Freitas. The Soon/Baliunas article was widely picked up by Exxon-funded groups and led to a Senate hearing chaired by Senator James Inhofe (R-OK).

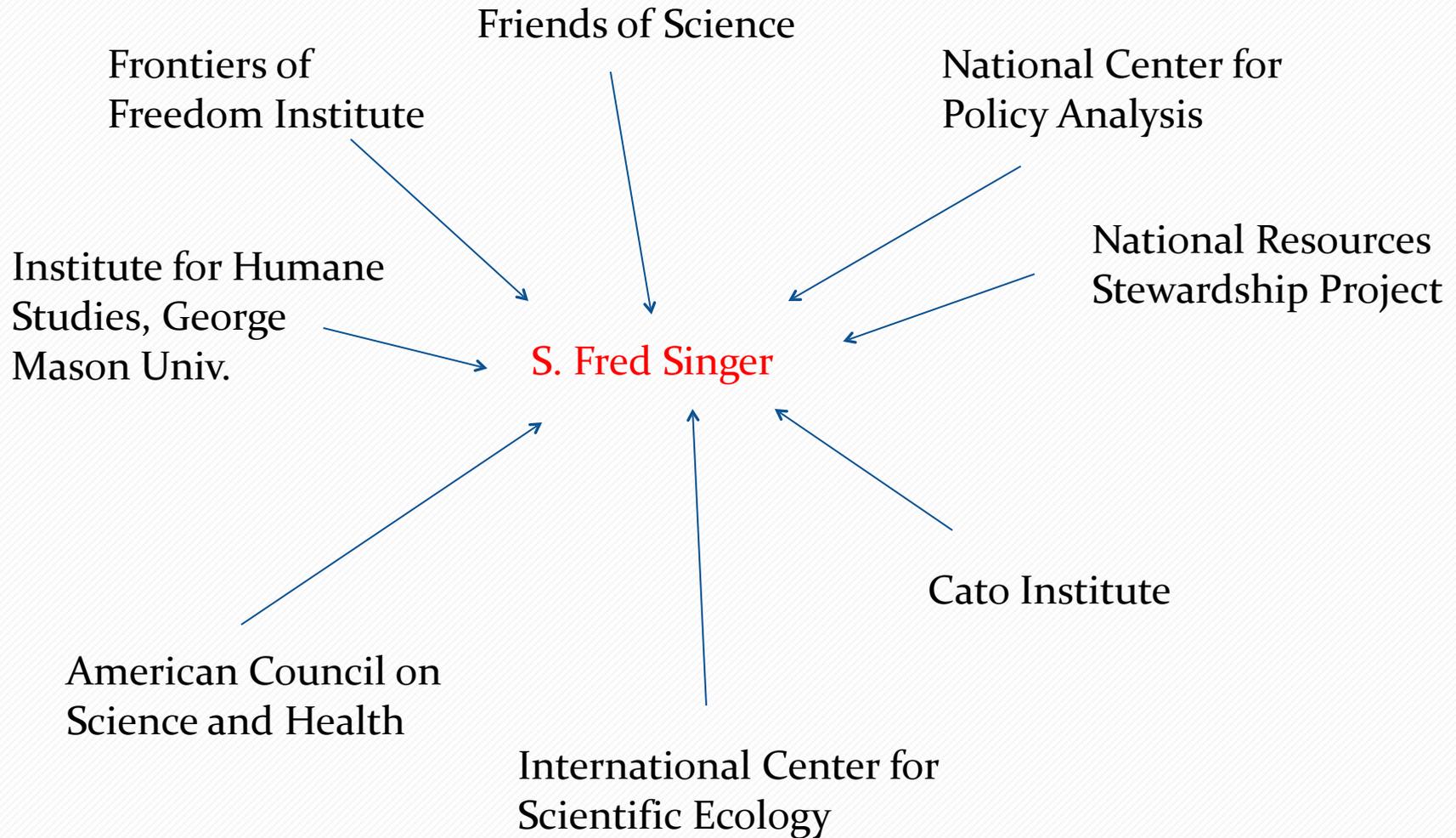
SOURCE: <http://www.exxonsecrets.org/wiki/index.php/>

Deniers:_Willie_Soon









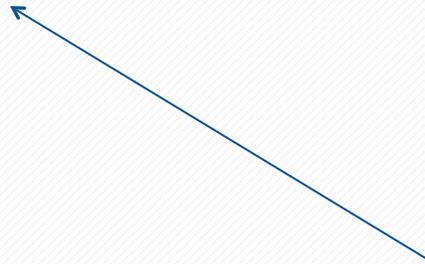
Tech Central Station



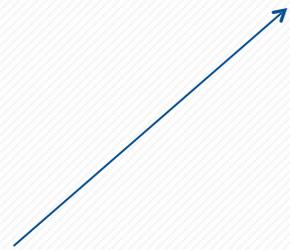
National Resources
Stewardship Project



Timothy Ball



Frontier Centre for
Public Policy



Friends of Science





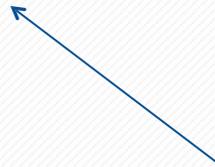
Tech Central Station



Roy Spencer



George C. Marshall
Institute



Heartland Institute



Tech Central Station

William Gray

Heartland Institute



Koch Family Foundation
\$270,000 for 2004-2008

Exxon-Mobil
\$780,000 for
1999-2007

George C. Marshall Institute

Scaife Family Foundations
\$3,592,000 for 1995-2008

\$3,690,000 from foundations in 2007

John M. Olin Foundation

Charles C. Koch
Charitable Foundation

Heartland Institute

Walton Family Foundation

Scaife Family Foundations



\$3,113,000 from 72 foundations in 2006

Koch Family Foundations

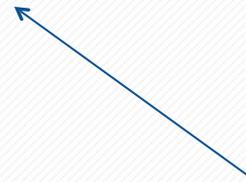
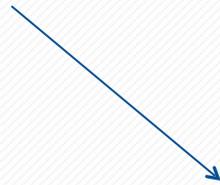
Charles C. Koch
Charitable Foundation

Cato Institute

Castle Rock Foundation

Scaife Family Foundations

John M. Olin Foundation



National Semiconductor

AT&T

General Motors

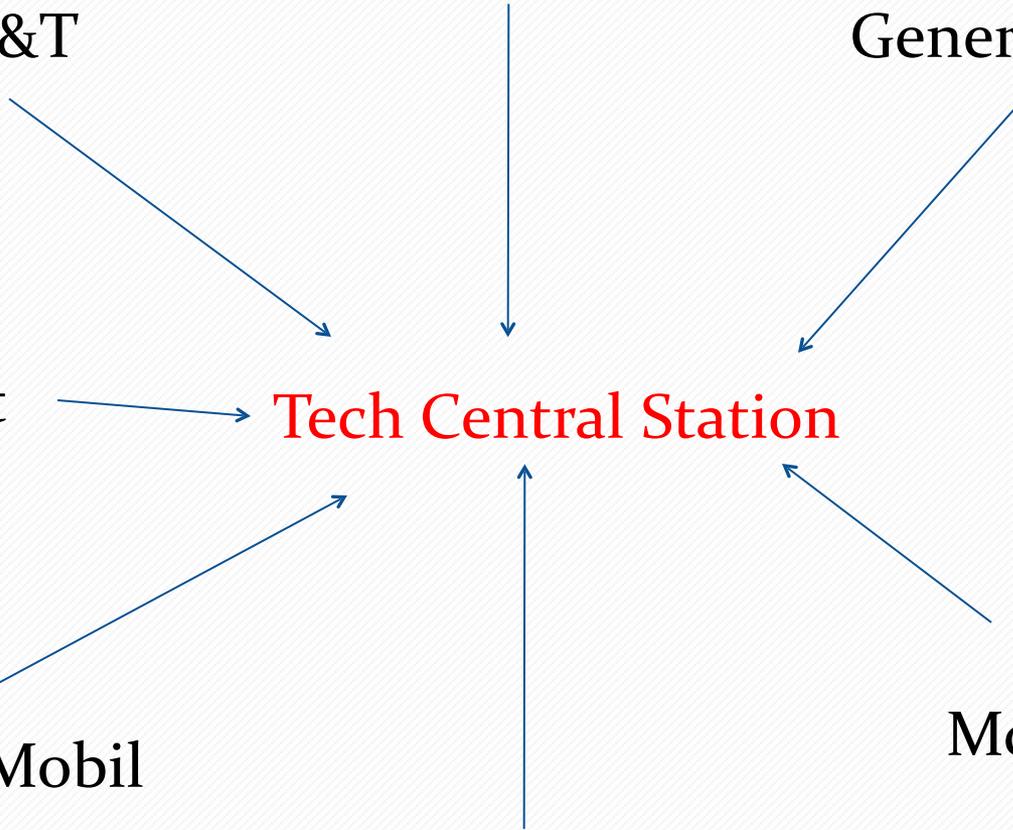
Microsoft

Tech Central Station

Exxon-Mobil

McDonalds

Intel Corp.



Koch Carbon

Koch Minerals

Georgia-Pacific

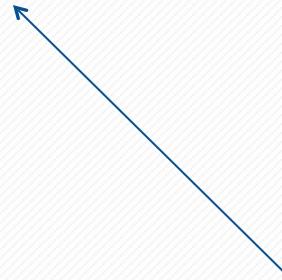
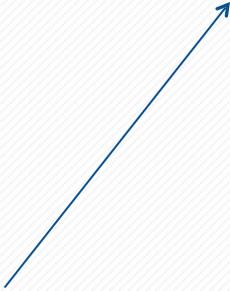
Koch Industries

Largest private company in US

Koch Family Foundations

C. Reiss Coal Co.

Fort James Muskogee
Mill Power Plant



Gulf Oil

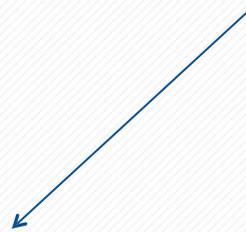
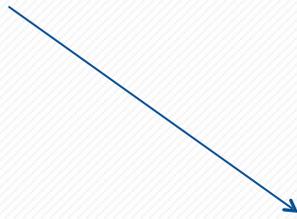
Alcoa

Alcan

Scaife Foundations
Directed by Richard Mellon Scaife

Koppers Corp.

Carborundum Corp.



Molson Coors
Brewing Co.

Miller Coors Co.



Castle Rock Foundation
Directed by the Coors Family



Skeptics claim: Temperature has declined in last ten years

HAS IT?

FIGURE 4 The Truth of Warming: No Cooling in Sight

