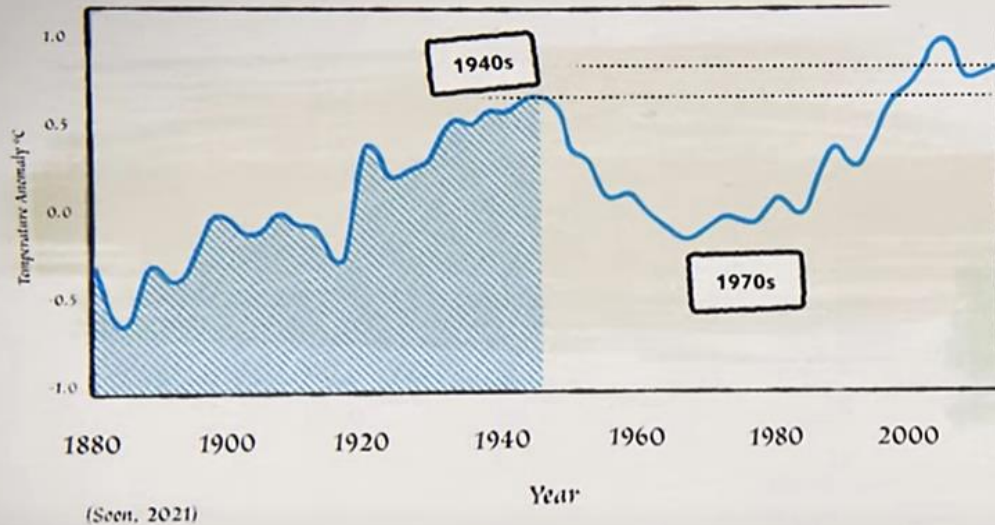
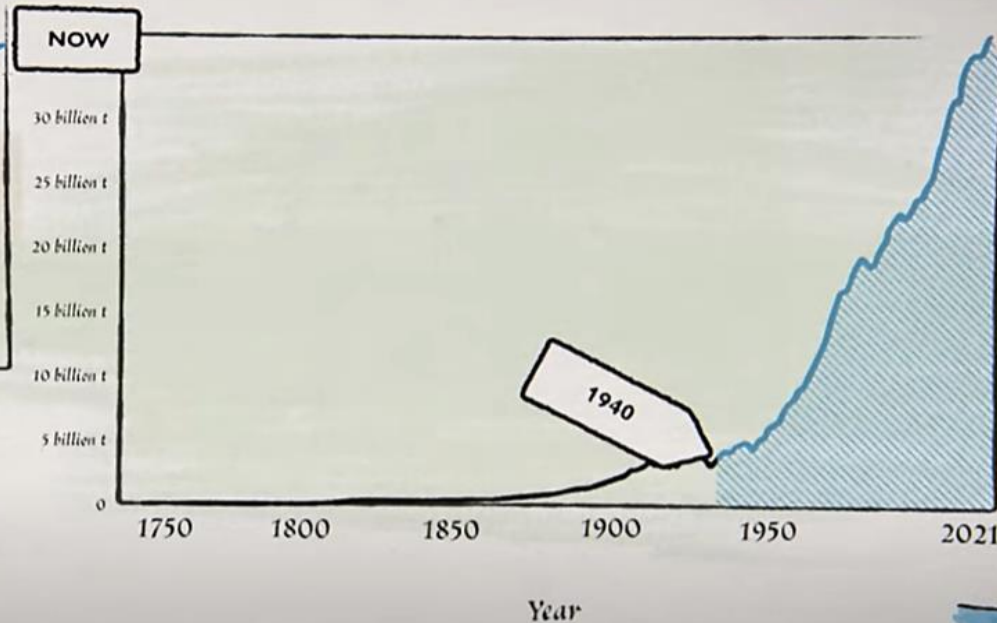


Preview and Analysis of “Climate: the Movie”

Rural Temperature



Industrial Output CO₂



<https://youtu.be/A24fWmNA6IM>

Bob Endlich

bendlich@msn.com

Cruces Atmospheric Sciences Forum

20 Apr 2024

Introductory Notes:

I first became introduced to Martin Durkin and his documentary style in 2007, after I heard that his previous work on this subject, "[The Great Global Warming Swindle](#)," (GGWS) from Chanel 4 in the UK, was available over the Internet in its serial parts.

I was delighted that SOMEONE had taken a stand against the predominant climate BS in the Universities, Media, Government, and we and I were not alone in skepticism.

I have watched GGWS maybe eight times since 2007.

Now we have a sequel, and I am very pleased to be able to view and comment on it.

My presentation contains numerous references from our own web site, some from the course notes from "Weather, Climate, and Climate Change—What the Data Tell Us," the course I taught at OLLI-UTEP and NMSU-A in 2017 and 2019.

Though not comprehensive, this presentation takes Durkin's topics and expands on them using material from our Web Site and personal graphics and notes.

The Great Global Warming Swindle [edit]

Main article: [The Great Global Warming Swindle](#)

The Great Global Warming Swindle was a 2007 [documentary film](#) promoting [climate change denial](#) that premiered on Channel 4 in the United Kingdom on March 8, 2007 and was subsequently criticised heavily by scientists. The film features scientists and others who oppose the scientific consensus that global warming is caused by human activity. The second part of the programme examines the conditions under which one of the current theories was developed. It alleges political pressures on those who do reject [anthropogenic](#) causes of global warming, speculates on reasons for the wide adoption of this consensus and on factors leading to its original development. The film also interviews deniers who view environmental policies as holding back developing nations from industrialising. The film has drawn widespread complaints ^[12]^[13] from some in the scientific community, citing numerous errors and misleading claims.

[Carl Wunsch](#) who appeared on the programme has since repudiated the film, and described it "as close to propaganda as anything since World War II".^[14] Durkin responded that Wunsch had been told very explicitly the nature of the programme and now appeared to be back-tracking.

Sidebar on Big Tech's "Tools of the Trade," The Trade, being Leftist Ideology from [https://en.wikipedia.org/wiki/Martin_Durkin_\(director\)](https://en.wikipedia.org/wiki/Martin_Durkin_(director))

Wikipedia's hit piece implies that before humans developed modern technology, harnessing the energy available in hydrocarbon fuels, climate never changed previously, a ludicrous idea.

The notion that "Scientific Consensus" is a thing of value leading to truth is mere sophistry, more akin to High School popularity than a methodology to improve knowledge, in this case, knowledge of Earth Sciences.

The Wikipedia piece engages in name-calling to achieve its aims: Climate "Deniers," akin to "holocaust deniers"

Attempting criticism, the Wikipedia Hit Piece on Martin Durkin blurts out the truth:

"The film also interviews deniers who view environmental policies as holding back developing nations from industrialising."

My understanding is that Carl Wunch complained about being featured in Durkin's "The Great Global Warming Swindle." That resulted in Wunch being edited out of subsequent versions of GGWS. Indeed, that was the case, but in viewing GGWS today, Wunch's piece is again present.

Climate change denial

Look! Our own Wikipedia Topic! 😊

[Article](#) [Talk](#)

From Wikipedia, the free encyclopedia

Climate change denial (also **global warming denial**) is a form of [science denial](#) characterized by rejecting, refusing to acknowledge, disputing, or fighting the [scientific consensus on climate change](#). Those promoting denial commonly use rhetorical tactics to give the appearance of a scientific controversy where there is none.^[4] Climate change denial includes unreasonable doubts about the extent to which climate change is [caused by humans](#), its [effects on nature and human society](#), and the potential of [adaptation to global warming](#) by human actions.^{[5][6][7]:170–173} To a lesser extent, climate change denial can also be implicit when people accept the science but [fail to reconcile it with their belief or action](#).^[6] Several studies have analyzed these positions as forms of [denialism](#),^{[8]:691–698} [pseudoscience](#),^[9] or [propaganda](#).^{[10]:351}

Many issues that are settled in the scientific community, such as human responsibility for global warming, remain the subject of politically or economically motivated attempts to downplay, dismiss or deny them—an ideological phenomenon academics and scientists call *climate change denial*. Climate scientists, especially in the United States, have reported [government and oil-industry pressure](#) to censor or suppress their work and hide scientific data, with directives not to discuss the subject publicly. The [fossil fuels lobby](#) has been identified as overtly or covertly supporting efforts to undermine or discredit the scientific consensus on global warming.^{[11][12]}



On the floor of the [U.S. Senate](#), Republican Senator [Jim Inhofe](#) displayed a snowball—in winter—as evidence the globe was not warming^[1]—in a year that was found to be Earth's warmest to date.^[2] The director of [NASA's Goddard Institute for Space Studies](#) distinguished *local* weather in a single location in a single week from *global* climate change.^[3]

Comments on https://en.wikipedia.org/wiki/Climate_change_denial

“Many issues that are settled in the scientific community, such as human responsibility for global warming, remain the subject of politically or economically motivated attempts to downplay, dismiss or deny them—an ideological phenomenon academics and scientists call *climate change denial*.”
(Italics added)

The above paragraph provides, in my judgement, a splendid example of the ignorance and bias present in The Academy, in Wikipedia, other Big Tech organizations, Governments, and the Main-Stream Media.

I graduated as a Geology Major from Rutgers University in 1962. Though there were indications that “continental drift” might be a force in Nature, it was “an area under study.”

At the time, the academic discipline “Plate Tectonics” or knowledge of continental and smaller “Plates” didn’t exist.

So, the individual who wrote the words “*issues that are settled in the scientific community*,” and the Wikipedia Editor who approved this edit are ignorant of science, data analysis, and especially Henry’s Law from High School Chemistry.

Science is never settled. On our Home Page: “In science, the debate is never over.”

Those who cling to the notion of Consensus Science as evidence of truth know nothing of Science. Although I prefer not to engage in name-calling, it is fair to call alarmists what they are: **Ignoramuses**. Maybe, **The Ignorati**.



This graphic is from "The Great Global Warming Swindle;" it shows a climate protest, presumably from London. The roots of the global warming alarm come directly from the anti-Capitalist Left. When Big Communism failed with the fall of the Soviet Union, the anti-free market left joined the Environmentalists. The Global Warming Alarmists are simply trying to subvert the West by destroying access to inexpensive, reliable, and abundant energy. It IS a COMMUNIST PLOT.

Now, Preview and Analysis of ... “Climate: The Movie”

Times are times from the video

Major “Climate: The Movie” Sections, by Time Mark:

- 2:31 Climate the Movie....The Cold Truth
- 6:44 The Science
- 22:24 The Science Part 2: CO2
- 31:58 The Science, Part 3: Nature
- 37:07 The Science Part 4: Extreme Weather
- 51:22 The Politics of Climate (notice that **Science** is absent here)
- 1:03:29 Climate versus Freedom
- 1:07:39 Climate versus The People

Dr Steven Koonin is a professor at New York University.

about 4:00 Koonin says,

“I tell my students to check the data or the papers yourself...”

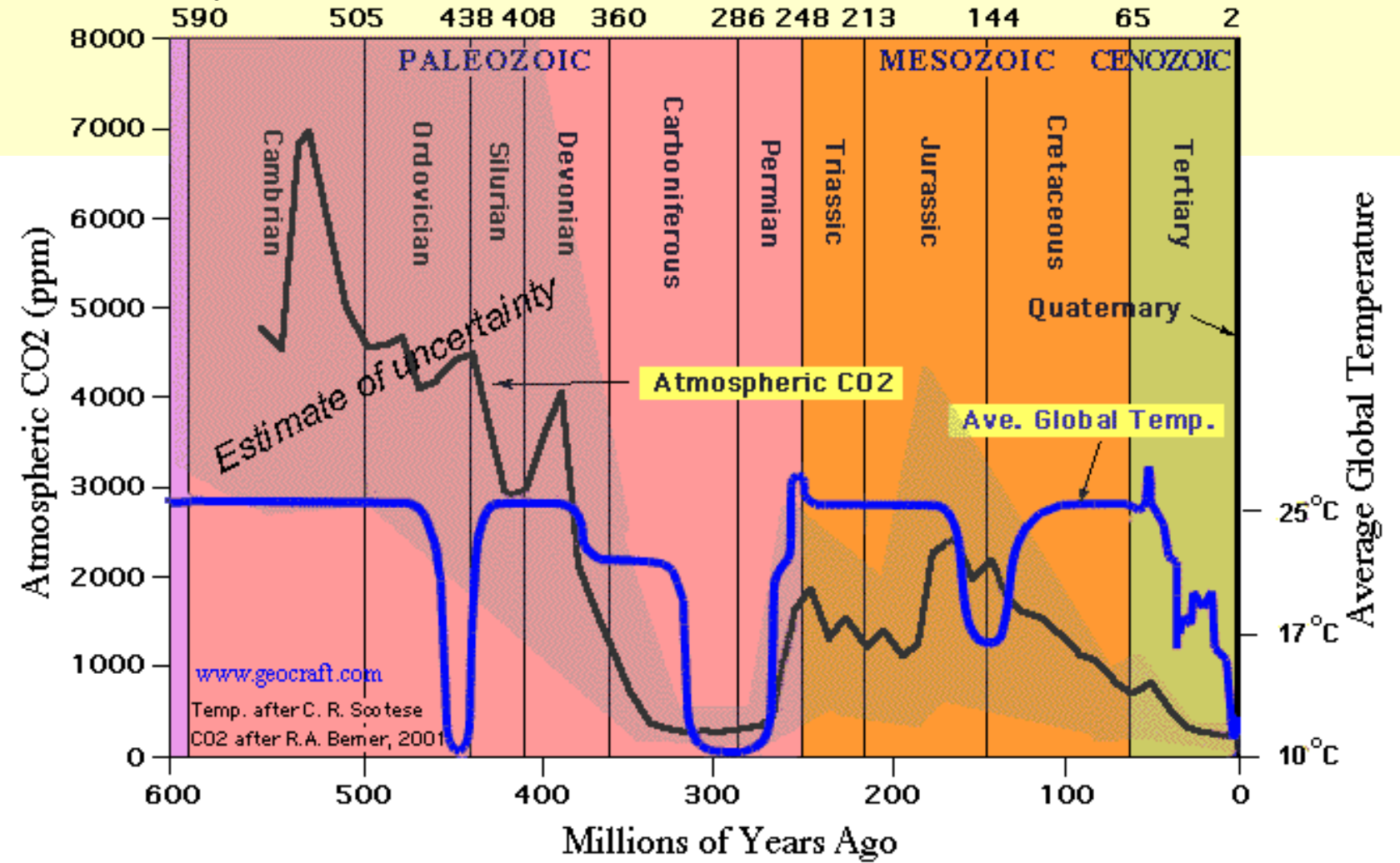
“...They tell me I’m a Denier. I ask them what I’m denying...”

Dr. Stephen Koonin's book [Unsettled](#), is a climate-skeptical work of refreshing thought and analysis.

Koonin, at ~9:00 mark disputes notions that today's temperatures are "hottest ever," "unprecedented;" cites Mesozoic temperatures, during the Age of Dinosaurs:

Mesozoic:
The orange-colored area, 250m-65m years ago.

Koonin:
"On a geologic perspective, this (today's temperatures) is not at all unprecedented."



X-Axis Time: Cambrian 600 MY ago Left Present on Right
Y-Axis Blue Average Global Temperature, Scotese Paleomap Project [Climate](#) Tab
Y-Axis Black Atmospheric <CO2> Berner & Kothavala, Am J. Sci., 2001, p 182-204

Dr Roy Spencer:

21:00 "...most of the warming has been from the Urban Heat Island Effect."

https://casf.me/wp-content/uploads/2017/03/PDF_Measuring-the-Las-Cruces-Urban-Heat-Island_1_Apr_2013.pdf

Alarmists decry a warming of 1.5C or 2.7F since thermometer records began in the early 1800s.

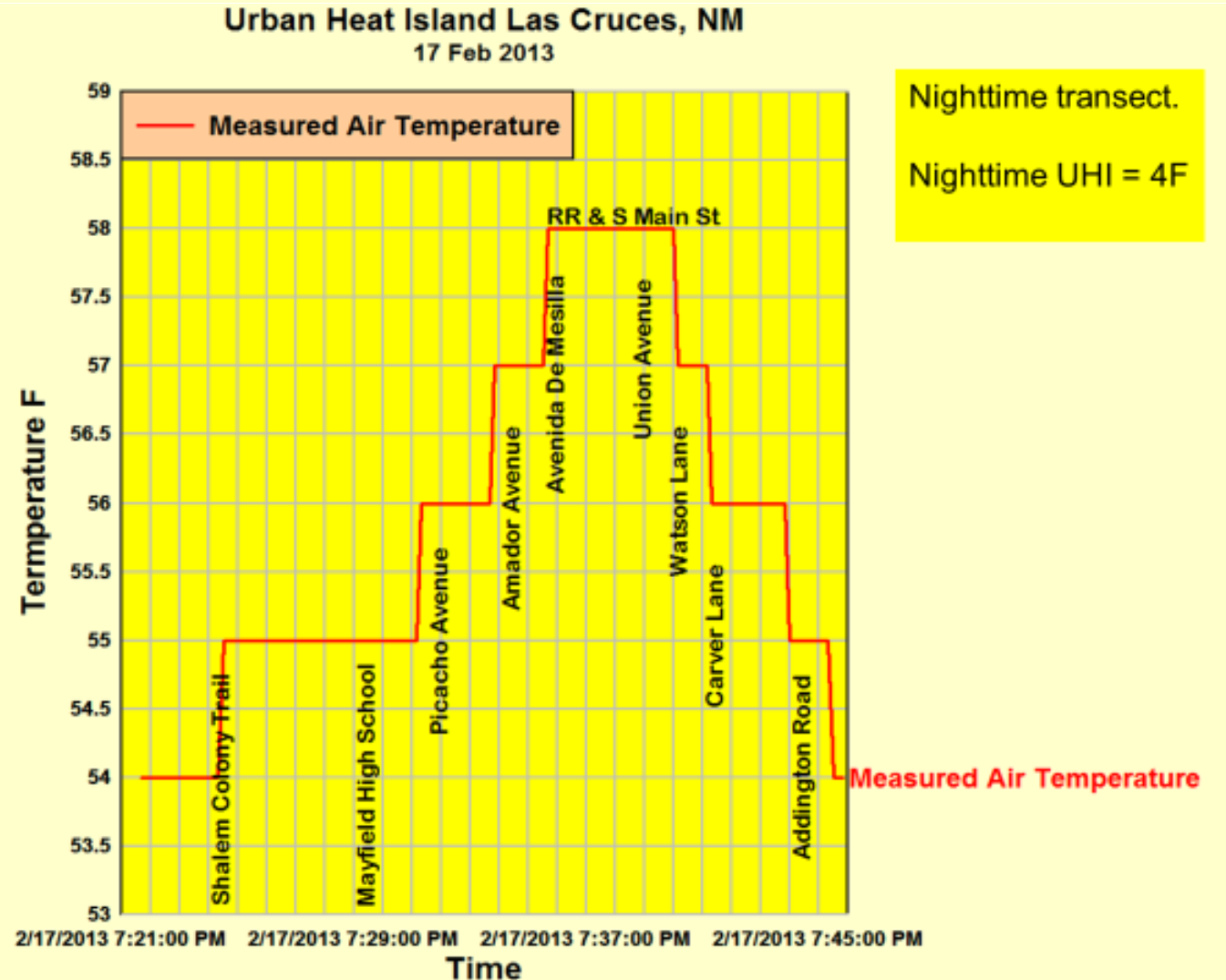
The Urban Heat Island warming in Las Cruces, NM, which we measured in 2013, was 4F.

In Las Cruces, 2.2C of the problematic 1.5C of warming is caused by Las Cruces' Urban Heat Island.

What Climate Crisis?

Retirees are drawn to Las Cruces for its warm and dry climate:

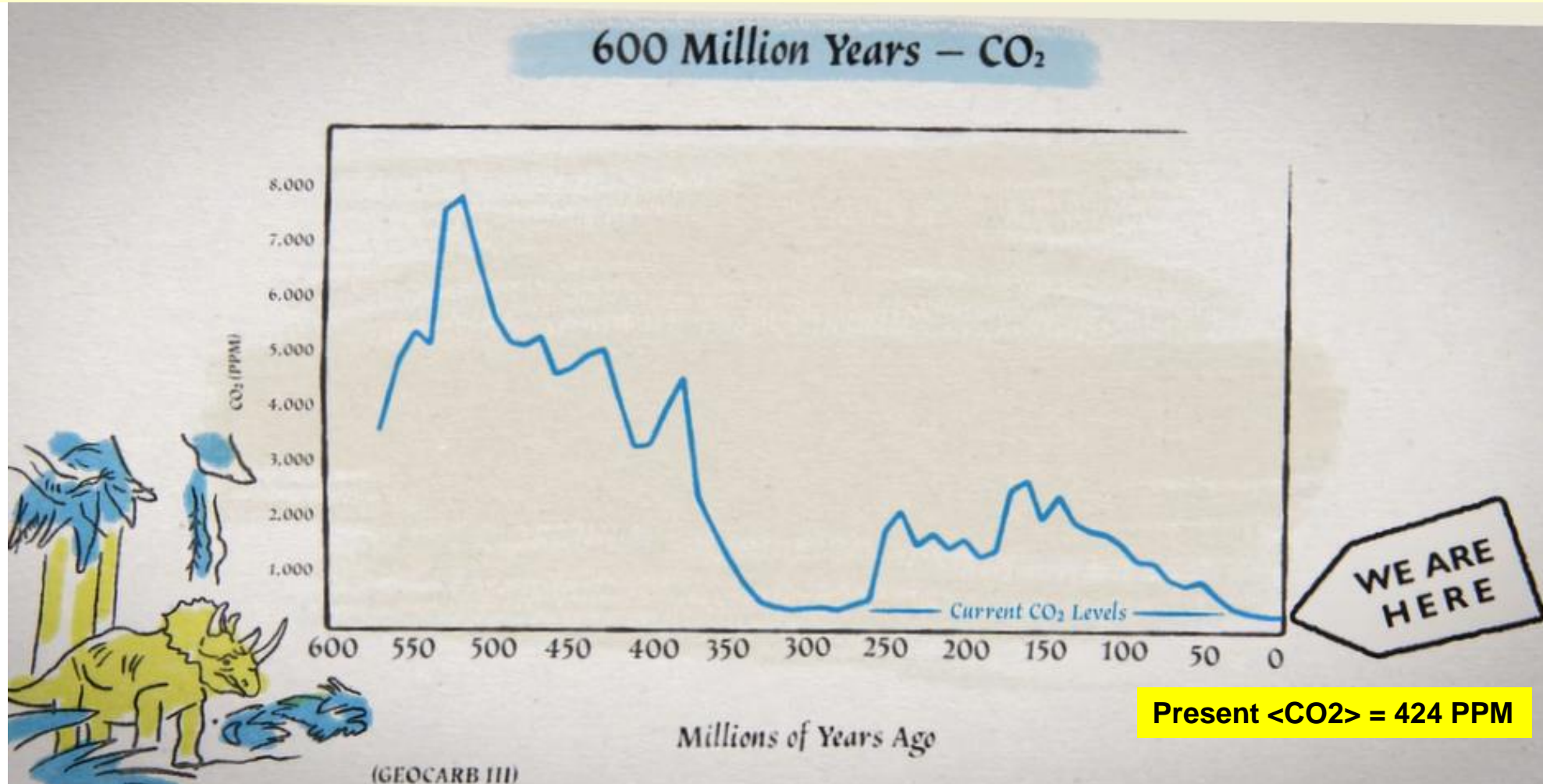
<https://homeandmoney.com/blog/moving-to-las-cruces-nm/>



<https://casf.me/have-climate-activists-lost-the-power-of-critical-thought/>

Figure 2.

(Durkin) 23:43 “Over the last 500 million years, the amount of CO₂ in the air has been far, far higher than today.”
“Even with modern industry’s emissions, today the amount of CO₂ is close to as low as it has ever been.”



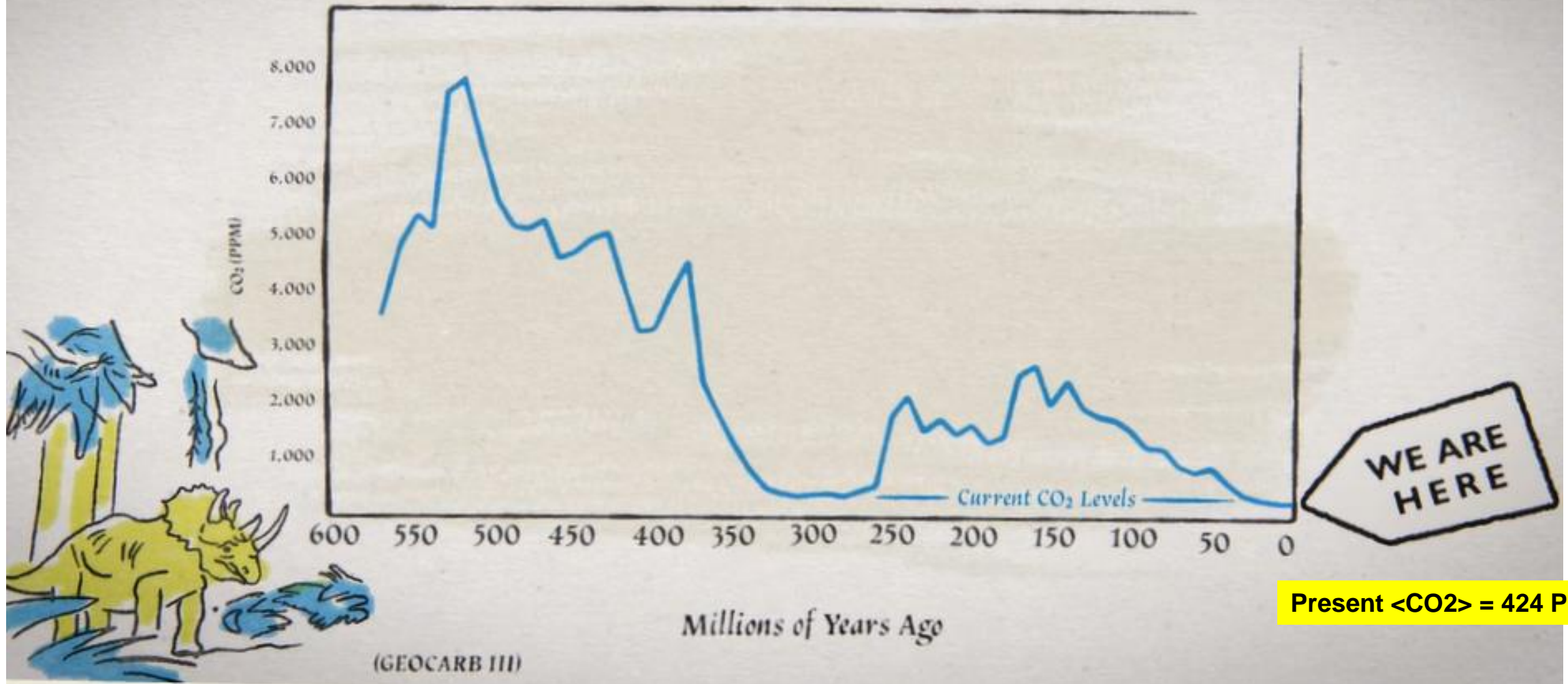
Geologist Matthew Wiliecki 24:10

“If we look at <CO₂> in the Phanerozoic, we would see concentrations of 7000 Parts/Million.”

Durkin: “CO₂ is plant food. The result of much higher CO₂ was a much greener world.”

“Wiliecki: Periods of elevated CO₂ tend to be times of huge biodiversity on the Planet. “

600 Million Years – CO₂



Present <CO₂> = 424 PPM

Dr Patrick Moore, Co-founder, Greenpeace, 25:15 “20,000 years ago, CO₂ levels were the lowest they have ever been in the history of the Earth. 180 Parts Per Million. If it had gone down another 30 parts per million we’d all be dead.”

From my 2019 course

“Weather, Climate,
and Climate Change -
What the Data Tell Us”

Week Two:

https://nhm.org/site/sites/default/files/rancho_la_brea/pdf/ward,%20harris%20publicatio%20PNAS.pdf Date: 18 Jan 2005

PNAS

Carbon starvation in glacial trees recovered from the La Brea tar pits, southern California

Joy K. Ward^{**}, John M. Harris⁵, Thure E. Cerling^{**}, Alex Wiedenhoeft¹, Michael J. Lott[†], Marla-Denise Dearing[†], Joan B. Coltrain^{**}, and James R. Ehleringer[†]

^{*}Department of Ecology and Evolutionary Biology, University of Kansas, 1200 Sunnyside Avenue, Lawrence, KS 66045; [†]Department of Biology, University of Utah, 257 South 1400 East, Salt Lake City, UT 84112-0840; ⁵The George C. Page Museum of La Brea Discoveries, 5801 Wilshire Boulevard, Los Angeles, CA 90036; ^{**}Department of Geology and Geophysics, University of Utah, 135 South 1460 East, Salt Lake City, UT 84112; [†]Forest Products Laboratory, U.S. Department of Agriculture Forest Service, One Gifford Pinchot Drive, Madison, WI 53726-2398; and ^{**}Department of Anthropology, University of Utah, 270 South 1400 East, Salt Lake City, UT 84112

The Rancho La Brea tar pit fossil collection includes *Juniperus (C3)* wood specimens that ¹⁴C date between 7.7 and 55 thousand years(kyr) B.P., providing a constrained record of plant response for southern California during the last glacial period...

... Atmospheric CO₂ concentration ([CO₂]) ranged between 180 and 220 ppm during glacial periods, rose to 280 ppm before the industrial period, and is currently approaching 380 ppm in the modern atmosphere...

... As a result, glacial trees... indicating that glacial trees were undergoing carbon starvation.

emphasis added

Durkin 26:45 “Scientists have indeed found (from the ice core records) a relationship between CO2 and Temperatures. The trouble is, it’s the wrong way ‘round.’”



Durkin also uses his British phrase, “it’s the wrong way ‘round,” in his previous climate video, [The Great Global Warming Swindle](#). Here in CASF, wearing our science hats, we say. “Of course. Its directly from Henry’s Law from High School Chemistry.” https://casf.me/wp-content/uploads/2017/10/PDF_-_Climate-Short_Henry_s-Law-from-175-years-ago_Temperature-Controls-CO2_15-Sep_2017.pdf

CO2 Emissions, data from the EPA and Oak Ridge National Lab, top

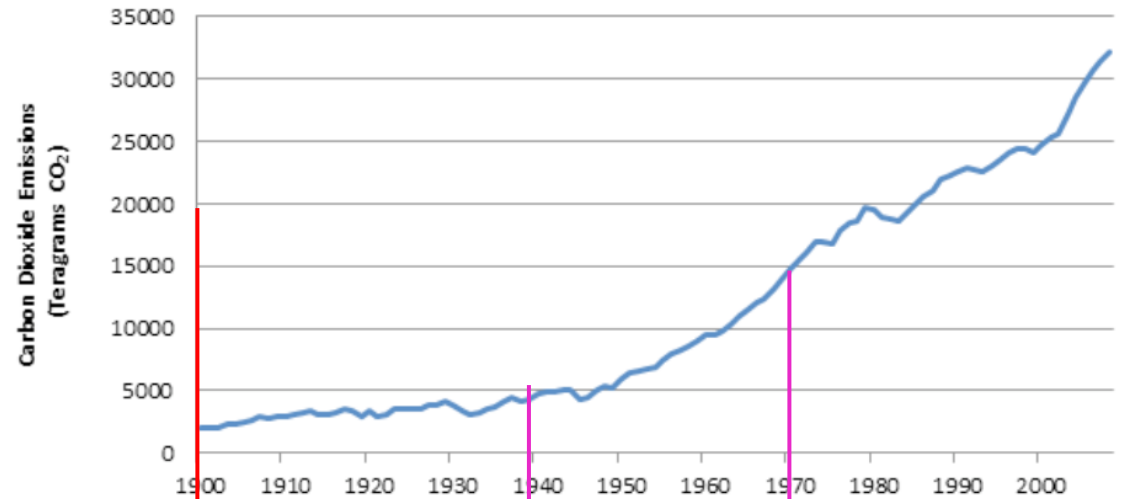
NH Temperature from Hansen and NASA, bottom.

Red line shows date axis alignment at 1900 AD.

~1940, CO2 emissions were about 4.5 Gigatons.
By about 1970, that had more than tripled to 15 Gigatons of CO2 emissions.

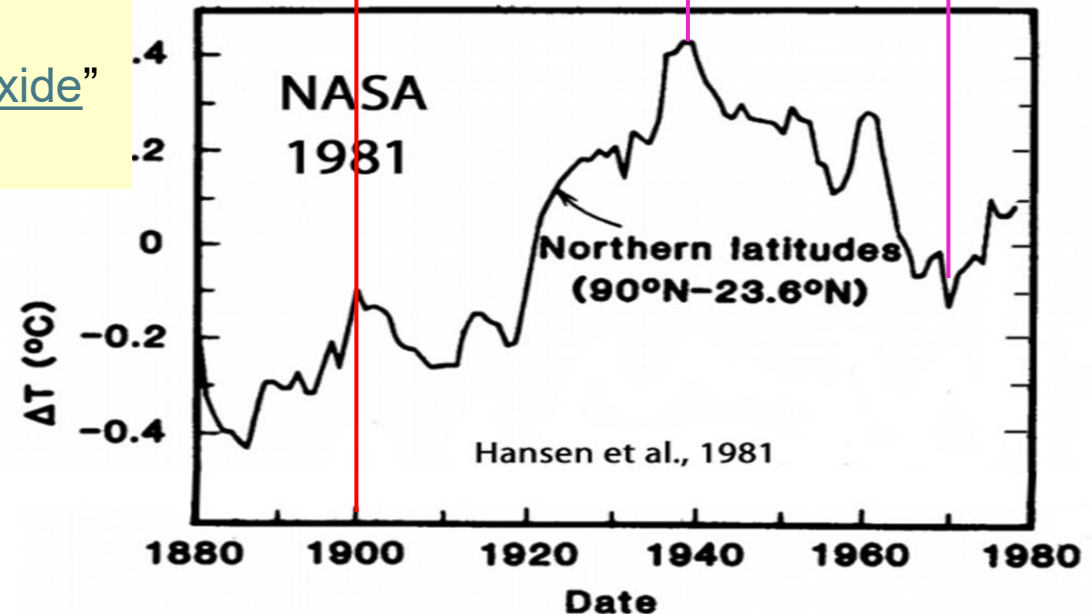
Yet, ~1940-1975, temperatures plummeted according to Fig 3 of Hansen's ["Climate Impact of Increasing Atmospheric Carbon Dioxide"](#)

Global Carbon Dioxide (CO₂) emissions from fossil-fuels 1900–2008



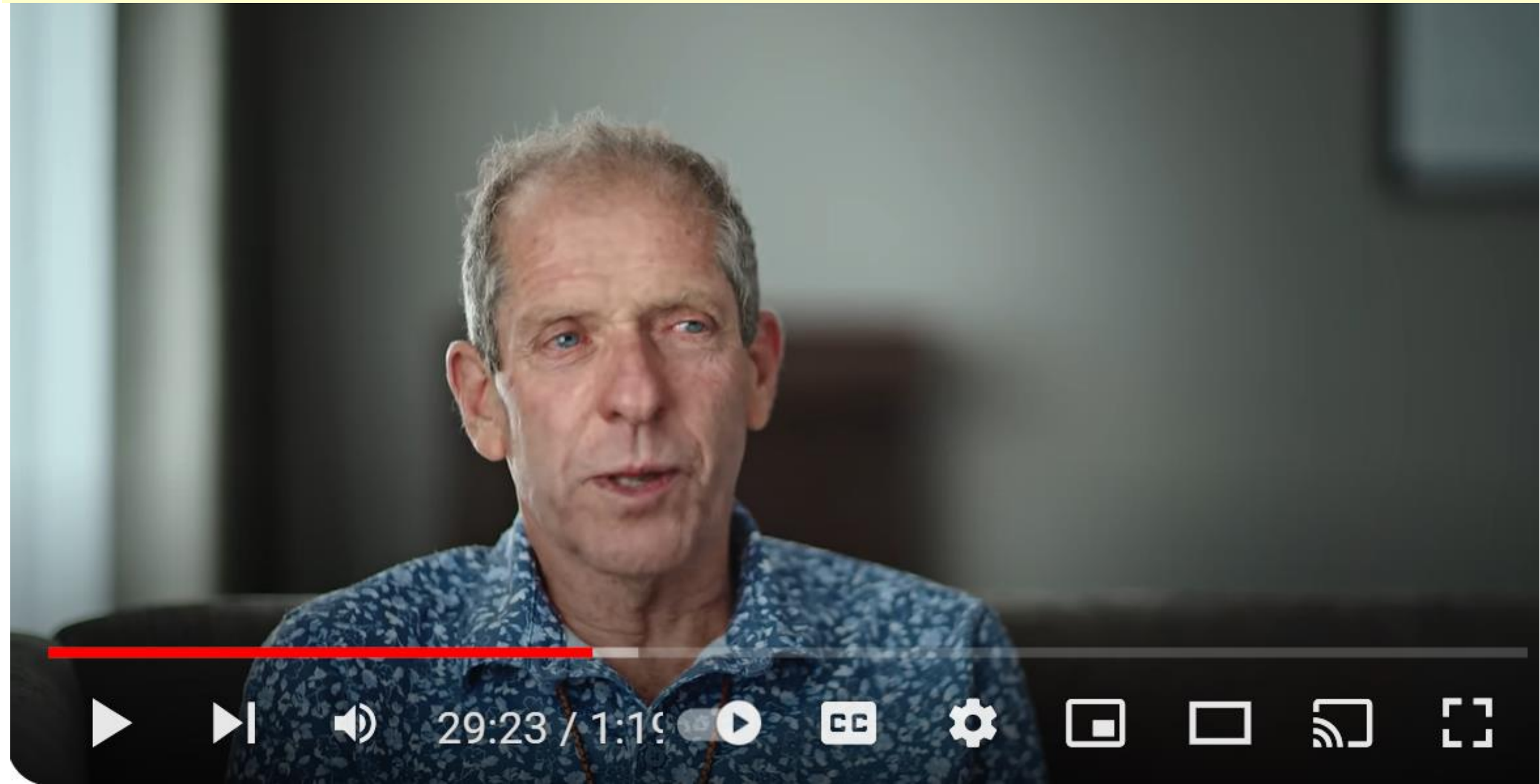
Source of data: Boden, T.A., G. Marland, and R.J. Andres (2010). Global, Regional, and National Fossil-Fuel CO₂ Emissions. Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, Tenn., U.S.A. doi:10.3334/CDIAC/00001_V2010.

Observed temperature (5-year running mean)



Tony Heller, formerly from Los Alamos National Lab and *Real Climate Science* blogger

“In the 1970s the new ice age was the story.”



TIME

THE BIG FREEZE

1973



The Cooling World

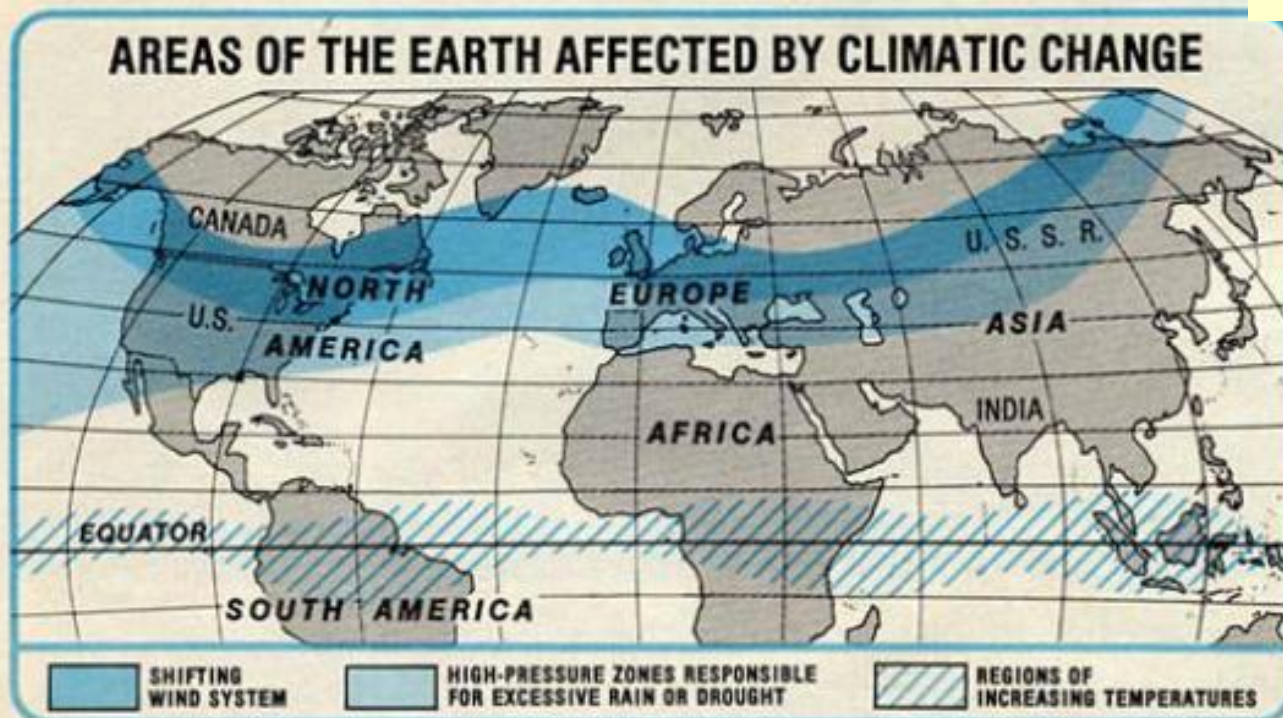
There are ominous signs that the earth's weather patterns have begun to change dramatically and that these changes may portend a drastic decline in food production—with serious political implications for just about every nation on earth. The drop in food output could begin quite soon, perhaps only ten years from now. The regions destined to feel its impact are the great wheat-producing lands of Canada and the U.S.S.R. in the north, along with a number of marginally self-sufficient tropical areas—parts of India, Pakistan, Bangladesh, Indochina and Indonesia—where the growing season is dependent upon the rains brought

reduce agricultural productivity for the rest of the century. If the climatic change is as profound as some of the pessimists fear, the resulting famines could be catastrophic. "A major climatic change would force economic and social adjustments on a worldwide scale," warns a recent report by the National Academy of Sciences, "because the global patterns of food production and population that have evolved are implicitly dependent on the climate of the present century."

A survey completed last year by Dr. Murray Mitchell of the National Oceanic and Atmospheric Administration reveals a drop of half a degree in average ground temperatures in the Northern Hemisphere between 1945 and 1968. Accord-

Drop in food production... wheat-producing areas of Canada and USSR..."

"A drop of half a degree in average ground temperatures in Northern Hemisphere between 1945 and 1968."



Der Spiegel 1974 – New Ice Age Approaching. Odds Of A Warm Future “At Best 1 in 10,000”

By P Gosselin on 17. December 2010

An increased frequency in extreme weather events, a cooling North Atlantic, and growing Arctic sea ice were viewed as signs of climate change. The odds of a warmer climate in the future, according to one scientist, were “at best 1 in 10,000” (see below). That’s what *Der Spiegel* wrote in a 3700-word article back in 1974, [warning the world of a coming ice age.](#)

Hat tip: oekowatch.org.

In that issue *Der Spiegel* described a series of “weather extremes” occurring all over the world, claiming they were unmistakable signs of a climate change to cooling: deluges of rain in West Germany, severe thunderstorms that uprooted trees and blew off roofs in Berlin, the worst storm in 100 years devastating much of Lower Saxony, hurricane Agnes inflicting 3 billion dollars in damage, floods in Japan and Peru, temperatures in Argentina, India and South Africa dropping to their lowest levels in 300 years.

The New York Times

THURSDAY, AUGUST 8, 1974

The mean temperature of the northern hemisphere increased steadily from the early nineteen-hundreds through the early nineteen-forties. Since then, it has been on its way downward toward the colder circumstances of the last century. The drop since the nineteen-forties has only been about half a degree, but some scientists believe this is enough to trigger changes that could have important effects on the world's weather and agriculture.

THURSDAY, AUGUST 8, 1974

Climate Changes Endanger World's Food Output

By HAROLD M. SCHMECK Jr.

Bad weather this summer and the threat of more of it to come hang ominously over every estimate of the world food situation.

It is a threat the world may have to face more often in the years ahead. Many weather scientists expect greater variability in the earth's weather and, consequently, greater risk of local disasters in places where conditions of recent years have become accepted as the norm.

Some experts believe that mankind is on the threshold

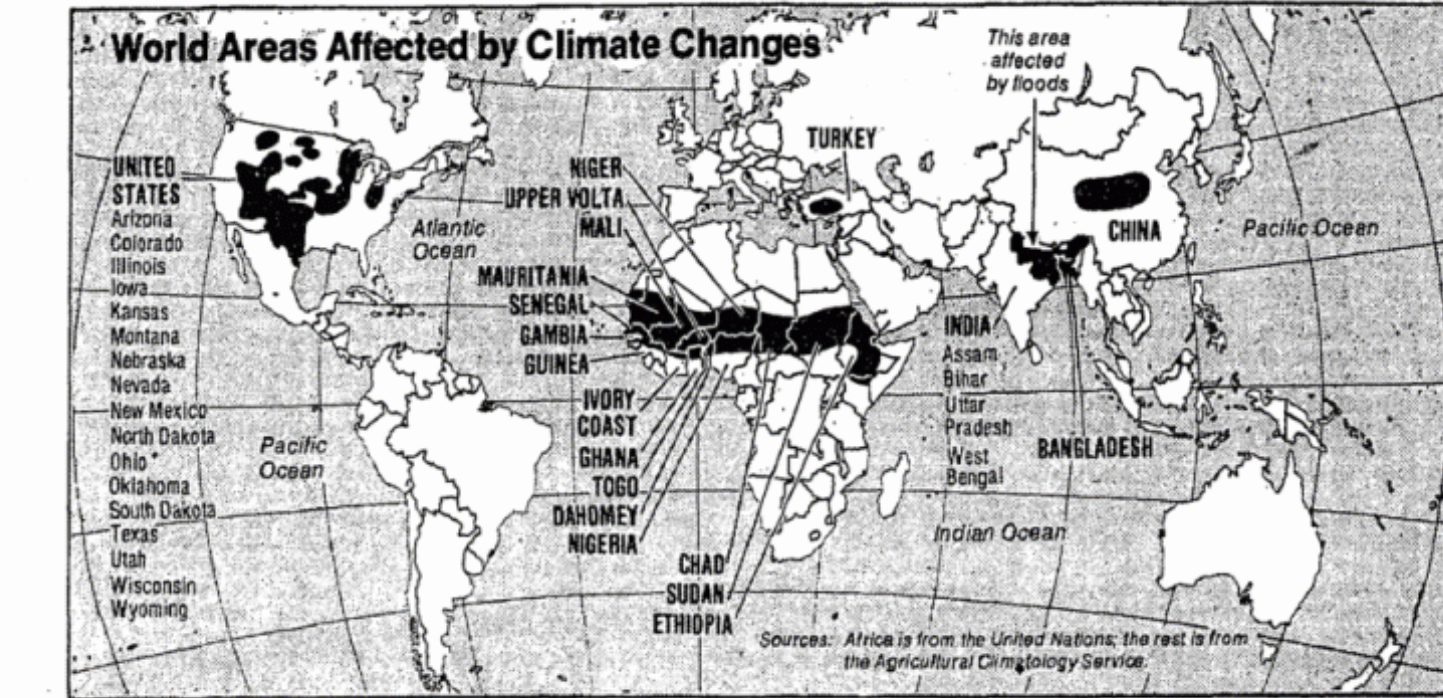
This is another in a series of articles, which will appear from time to time, examining the world food situation.

of a new pattern of adverse global climate for which it is ill-prepared.

A recent meeting of climate experts in Bonn, West Germany, produced the unanimous conclusion that the change in global weather patterns poses a severe threat to agriculture that could lead to major crop failures and mass starvation.

Others disagree, but are still concerned over the impact of weather on man's ability to feed the ever-increasing number of human beings.

Whether or not this year's events are harbingers of a major global trend, some of



The New York Times/Aug. 8, 1974

Severe weather changes, ranging from floods to drought, have struck many of the world's major agricultural areas so far this year. Climate experts say that even

greater variability of weather can be expected in years to come, bringing changes to arable areas that have adjusted to past patterns, thus threatening future output.

those events are, of themselves, causing concern.

The monsoon rains have been late and scant over agriculturally important regions of India, while Bangladesh has been having floods.

Parts of Europe and the Soviet Union have had problems at both ends of the weather spectrum this year—

too hot and dry at some times and places, too wet and cold at others.

There have been similar problems in North America. An American weather expert recently received reports that ice was lingering abnormally on the coasts of Newfoundland and that new evidence showed that the Gulf Stream was fluctuating toward a more southerly course.

In the United States, the world's most important food producer, a severe drought that began last fall in the Southwest has spread northward and eastward, and may have potentially serious effects in the Corn Belt. There have also been reports that spring wheat

in the United States has been badly hurt by hot, dry weather.

Earlier this year, there had been hopes of bumper crops in North America and elsewhere. But the weather's adverse impact has trimmed back some of these hopes.

The situation is not all bad, **Continued on Page 66, Column 1**

31 Jan 1977 TIME

The Inauguration was for
Jimmy Carter, 20 Jan 1977

The Big Freeze describes the
depth of the cold waves that
encompassed the Eastern USA
during the winter of

1976-1977

The next two winters also
had severe cold impacts
in the USA.



<https://www.youtube.com/watch?v=1kGB5MMIAVA>



Search



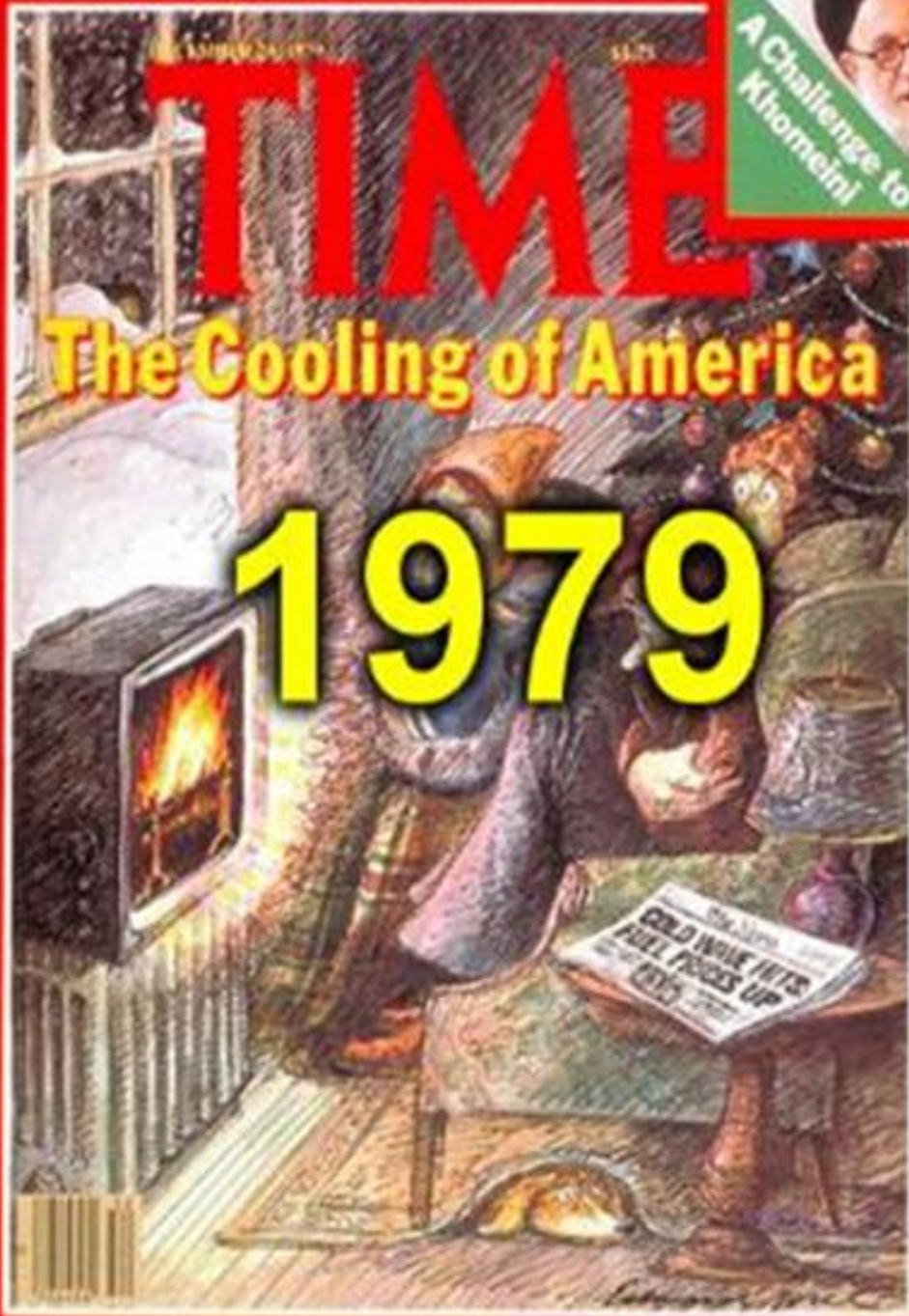
The Coming Ice Age - 1978



Popular Technology.net

 355

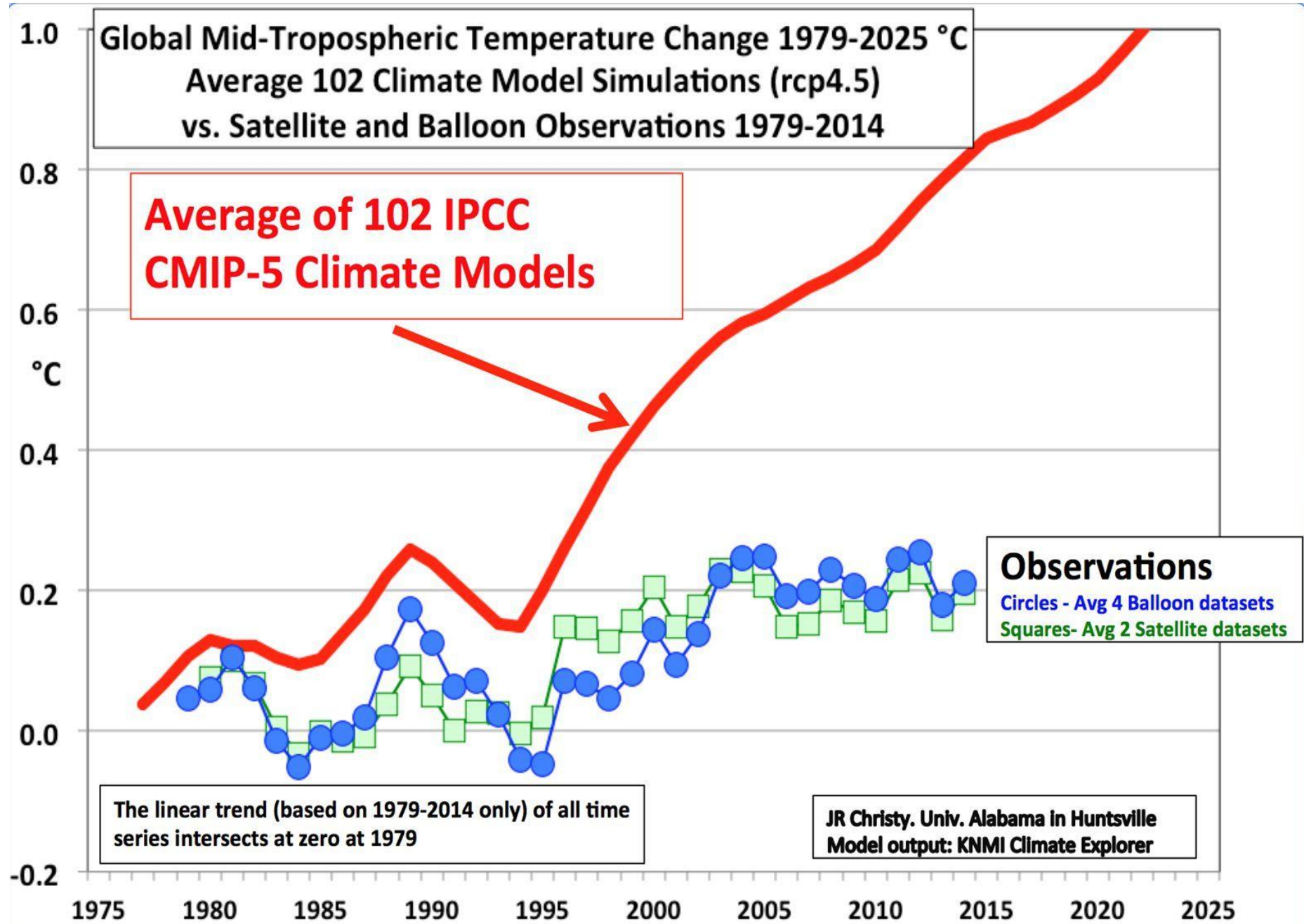
58,866 views



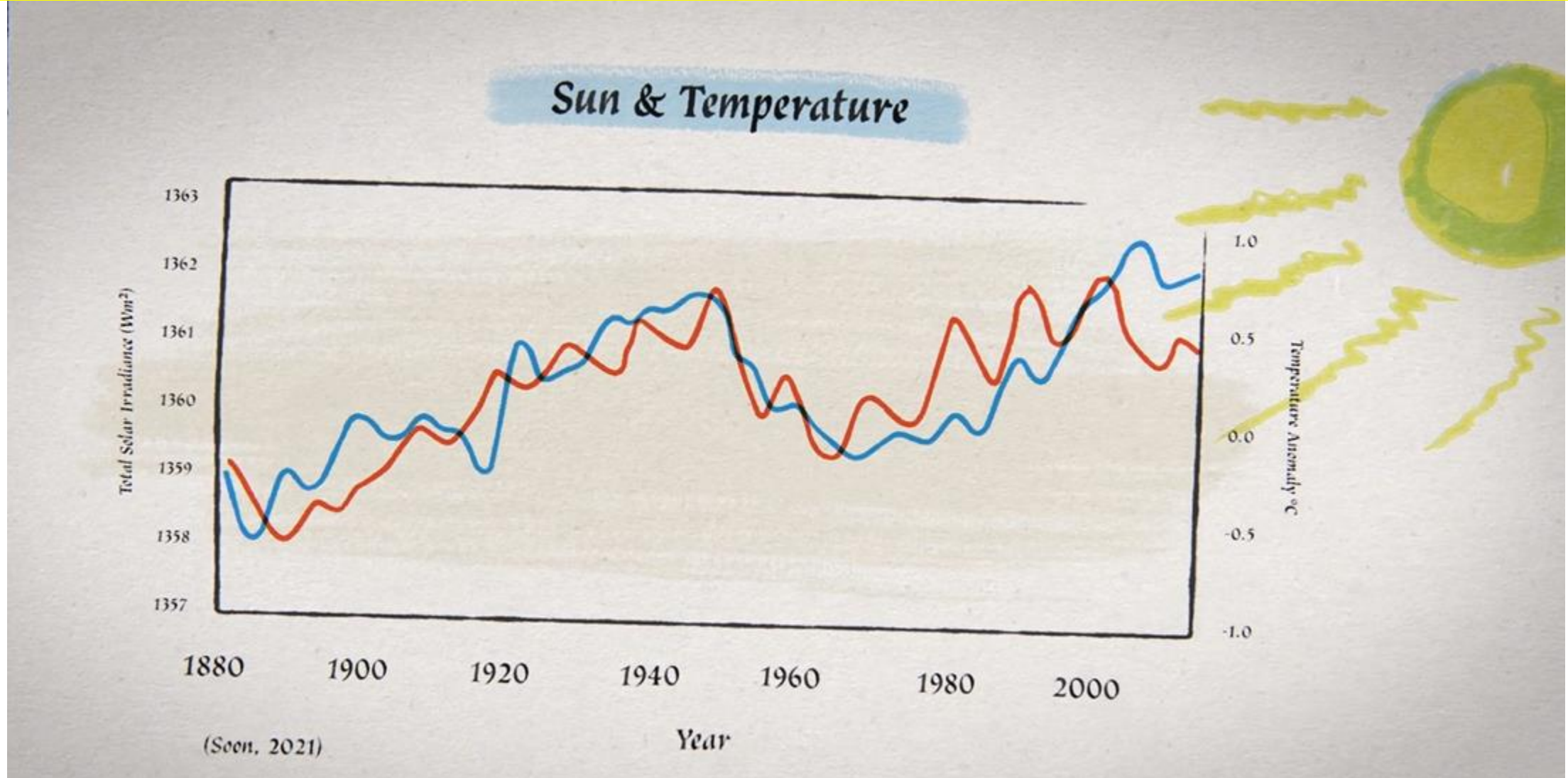
A medium shot of Dr. Roy Spencer, an older man with short white hair and glasses, wearing a blue patterned button-down shirt. He is looking slightly to his left with a neutral expression. The background is a blurred office or library setting with bookshelves.

Dr Roy Spencer
U.S. Science Team leader
NASA's Aqua Satellite

29:45 Dr Roy Spencer: “What we find from the satellited data is that the atmosphere is not warming nearly as fast as the climate models say it should be warming....”



Beginning at 32:00 the role of the Sun in climate is developed. Svensmark's analysis that cosmic rays "seed" the atmosphere with hygroscopic particles which attract water vapor to form low clouds, which tend to cool Earth. Increases in the solar wind interrupt the cosmic rays, reducing low cloud cover, and increasing Earth Temperature.



On shorter time scales, fluctuations of solar output directly cause changes in Earth Temperature. At 35:00, Willie Soon demolishes the UN's and IPCC argument that <CO2> controls Earth's temperature.

Non-Adjusted Temperature Data Appear To Correlate With 20th Century Solar Forcing

[Yndestad and Solheim \(2017\)](#) have released a reconstruction of solar activity (Total Solar Irradiance, or TSI) for 1700-2013.

This and the next graphic come from “Weather, Climate and Climate Change—What the Data Tell Us”

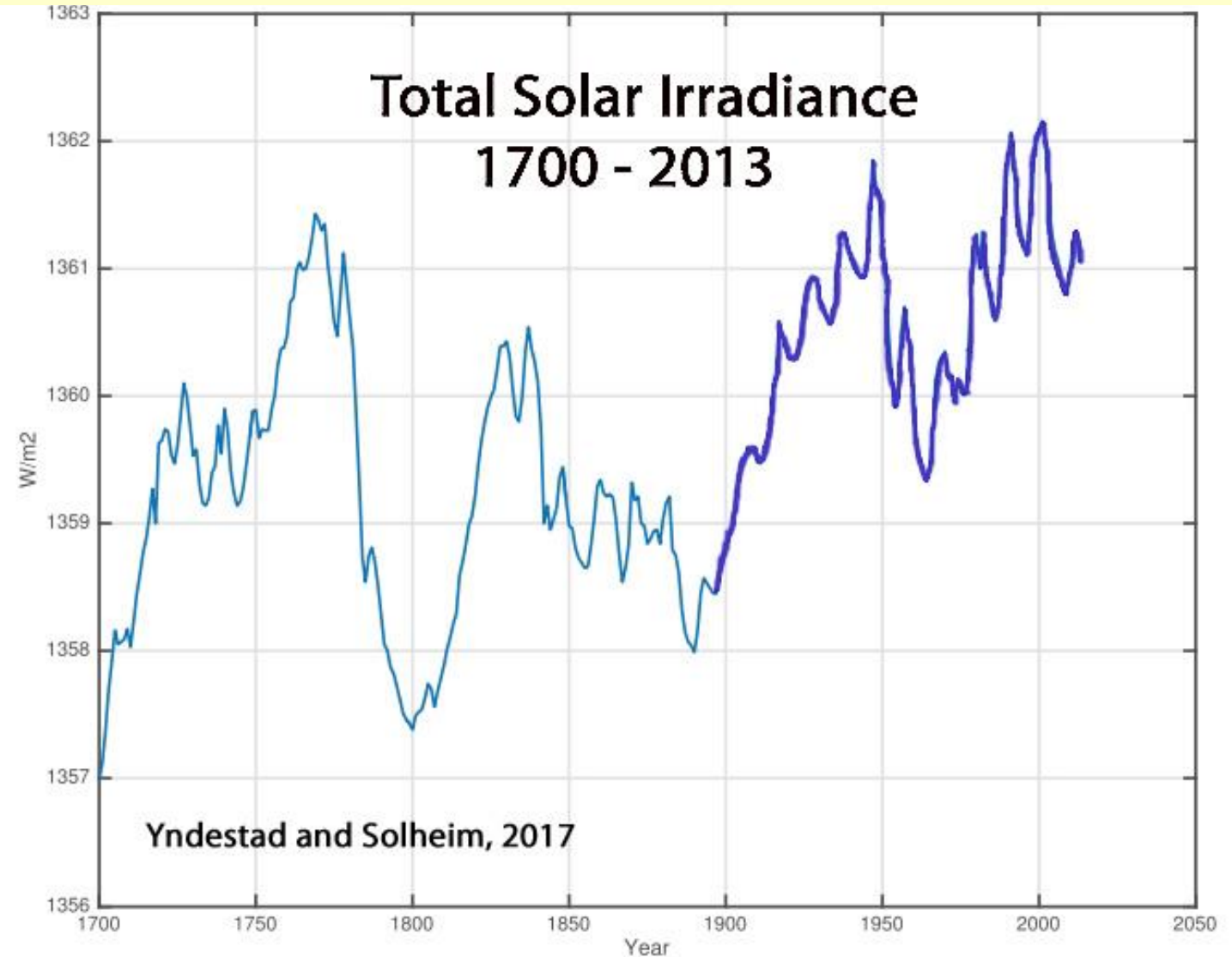
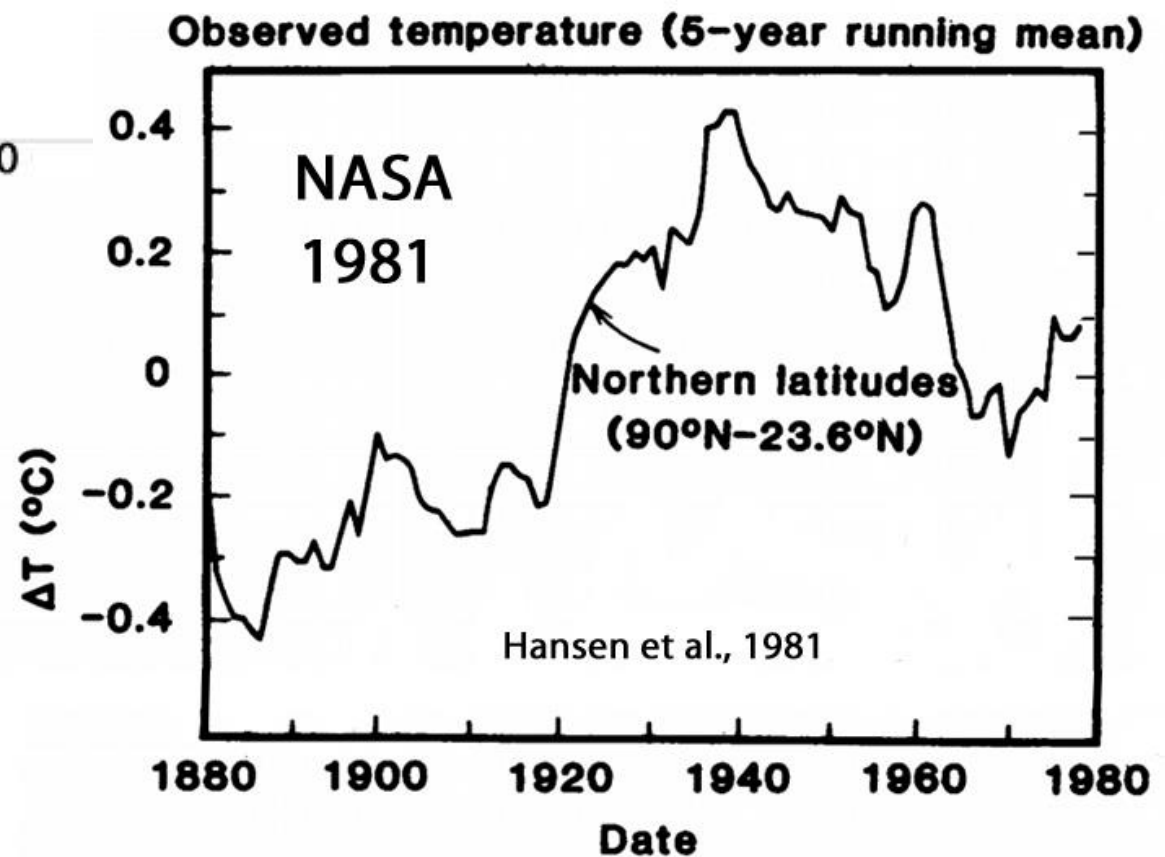
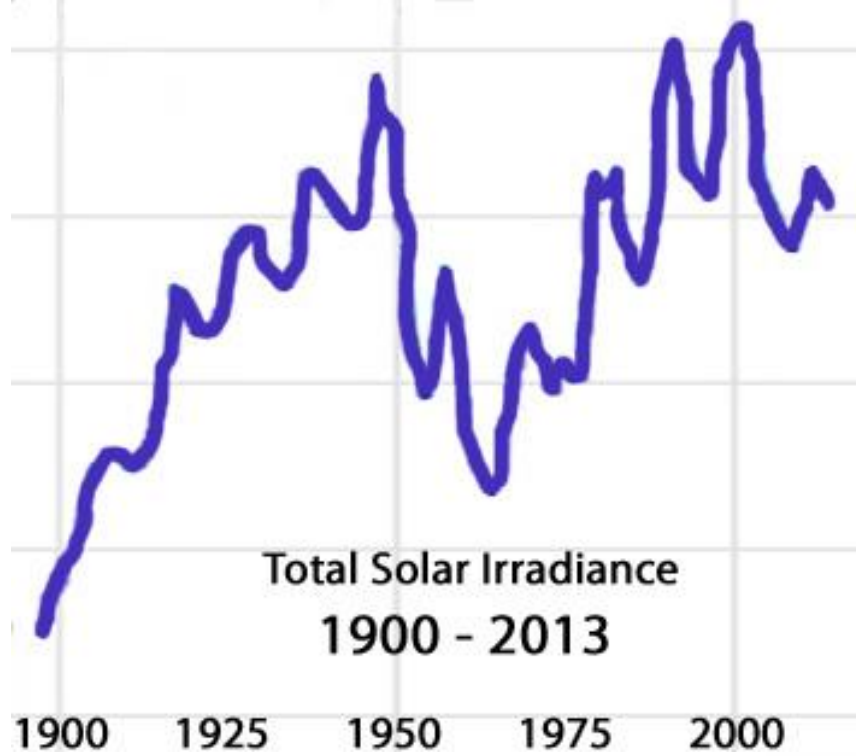


Fig. 3. TSI-HS total solar irradiance from 1700 to 2013 A.D. ([Scafetta and Willson, 2014](#)).



The SCIENCE
Part 4:

EXTREME WEATHER

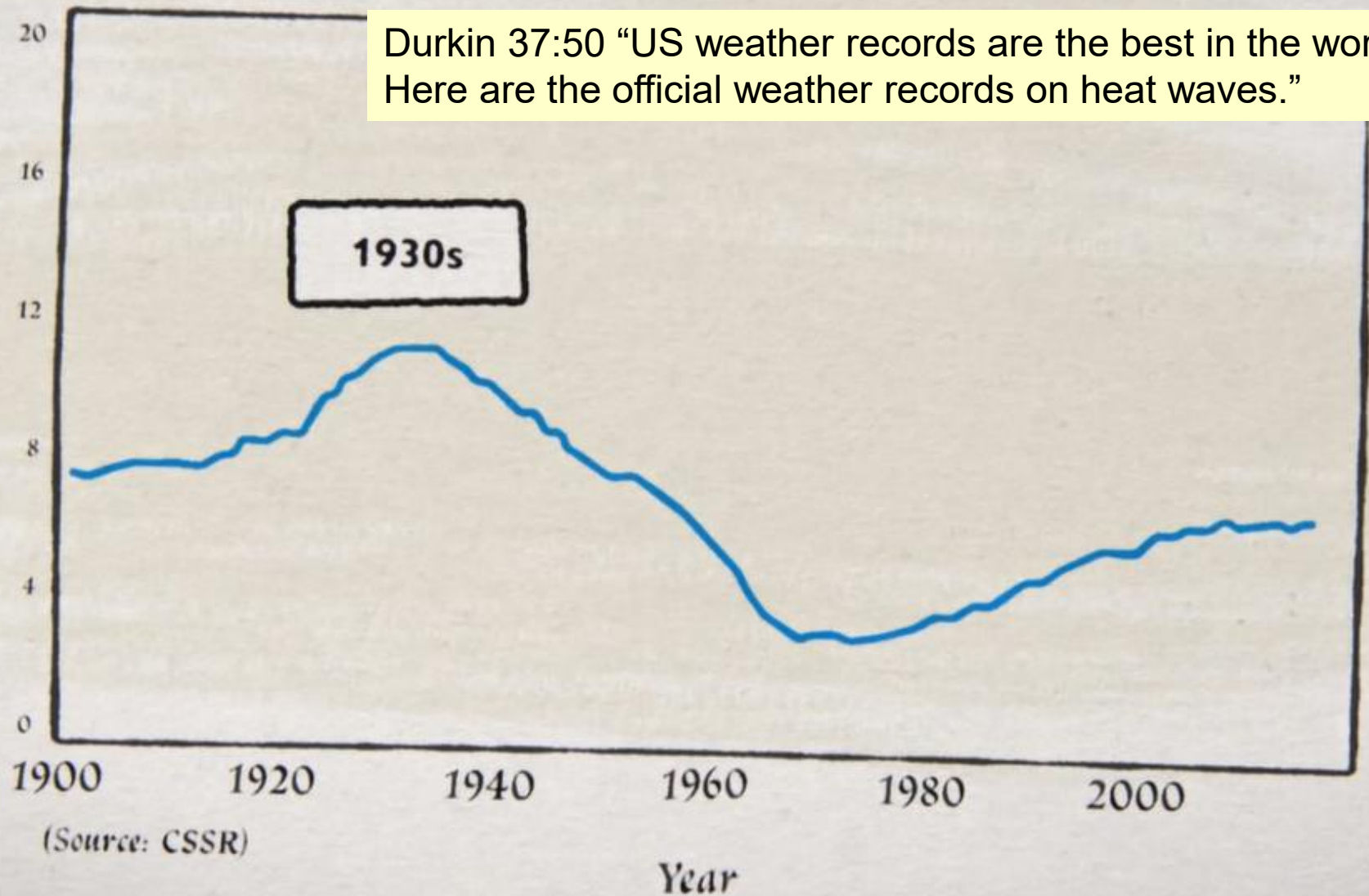


Koonin 37:05 “Let’s look at the data!”

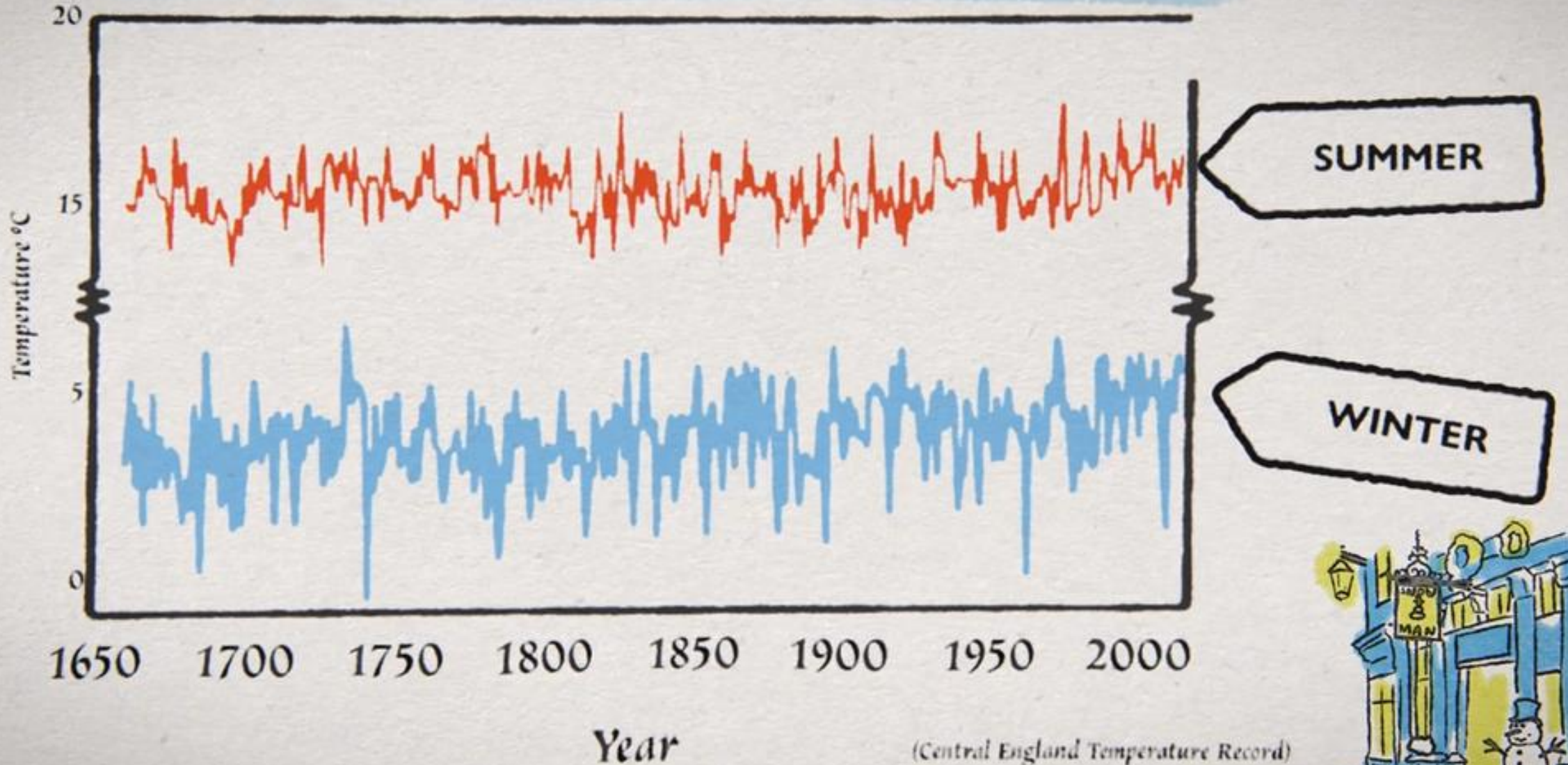
Heatwaves (U.S.) 120 Years



Durkin 37:50 "US weather records are the best in the world.... Here are the official weather records on heat waves."

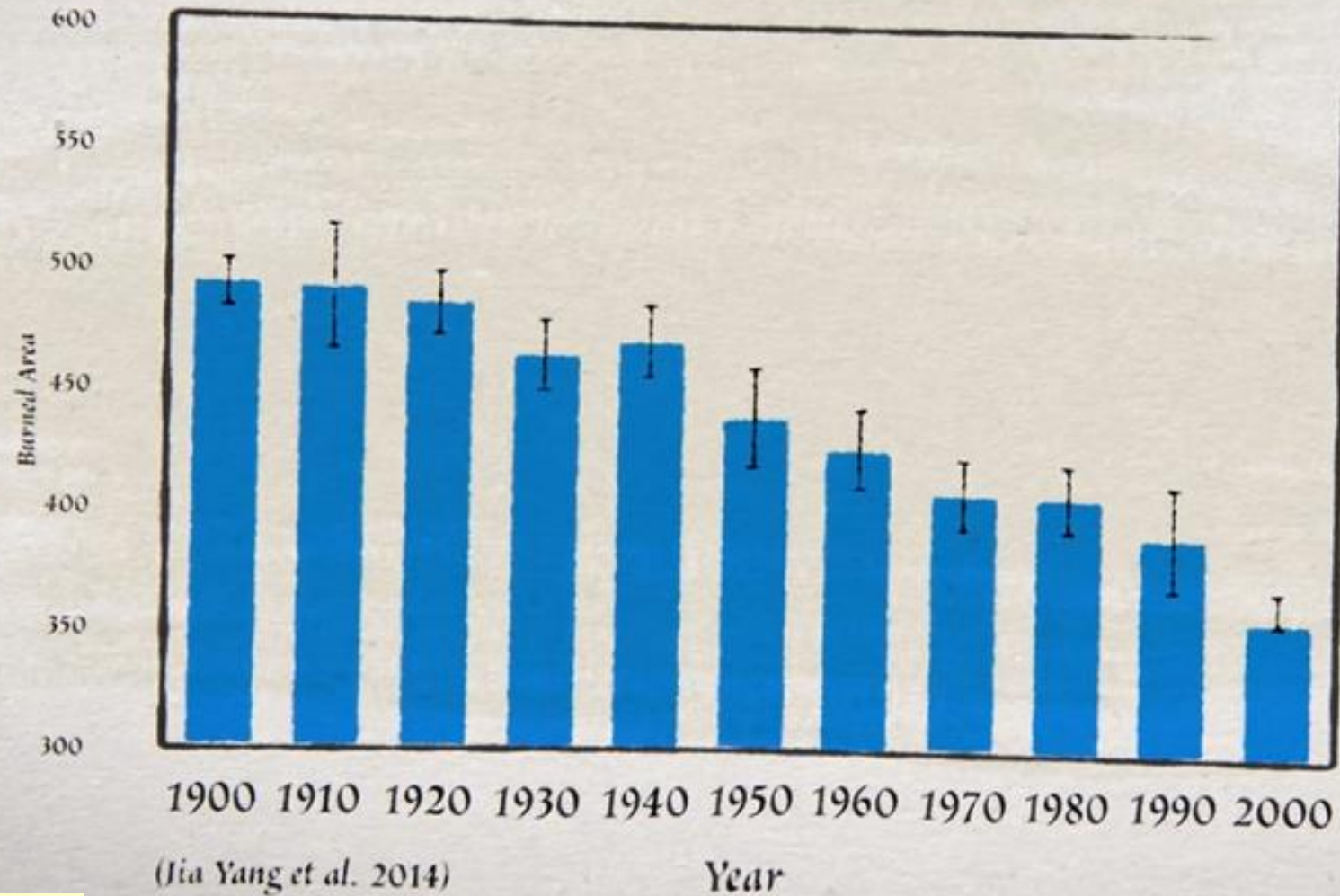


350 years - Summer versus Winter

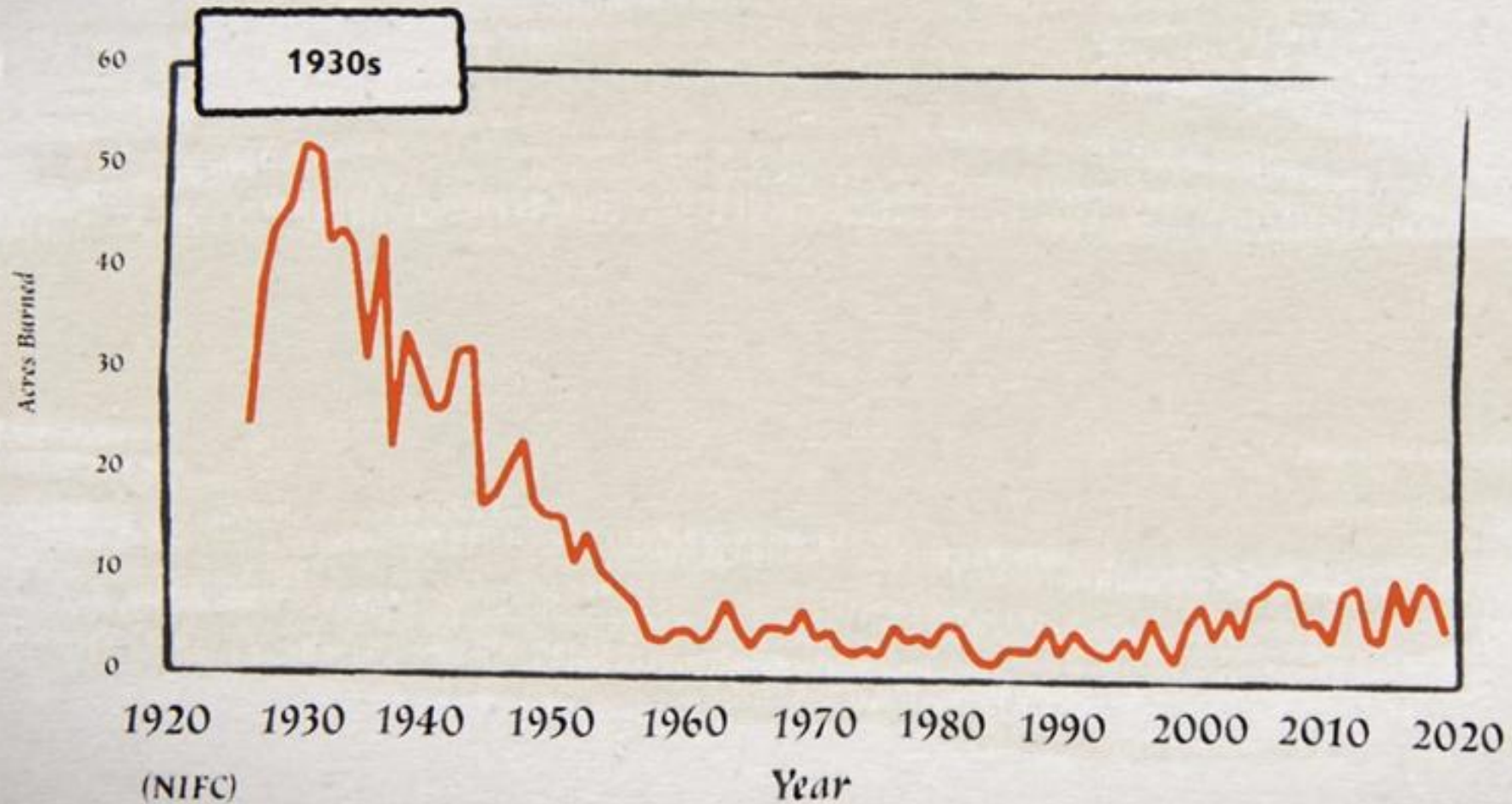


Durkin: 39:19 "Earth's temperature hasn't been getting hotter, its been getting milder!"

Global Wildfires – 1900s–2000s

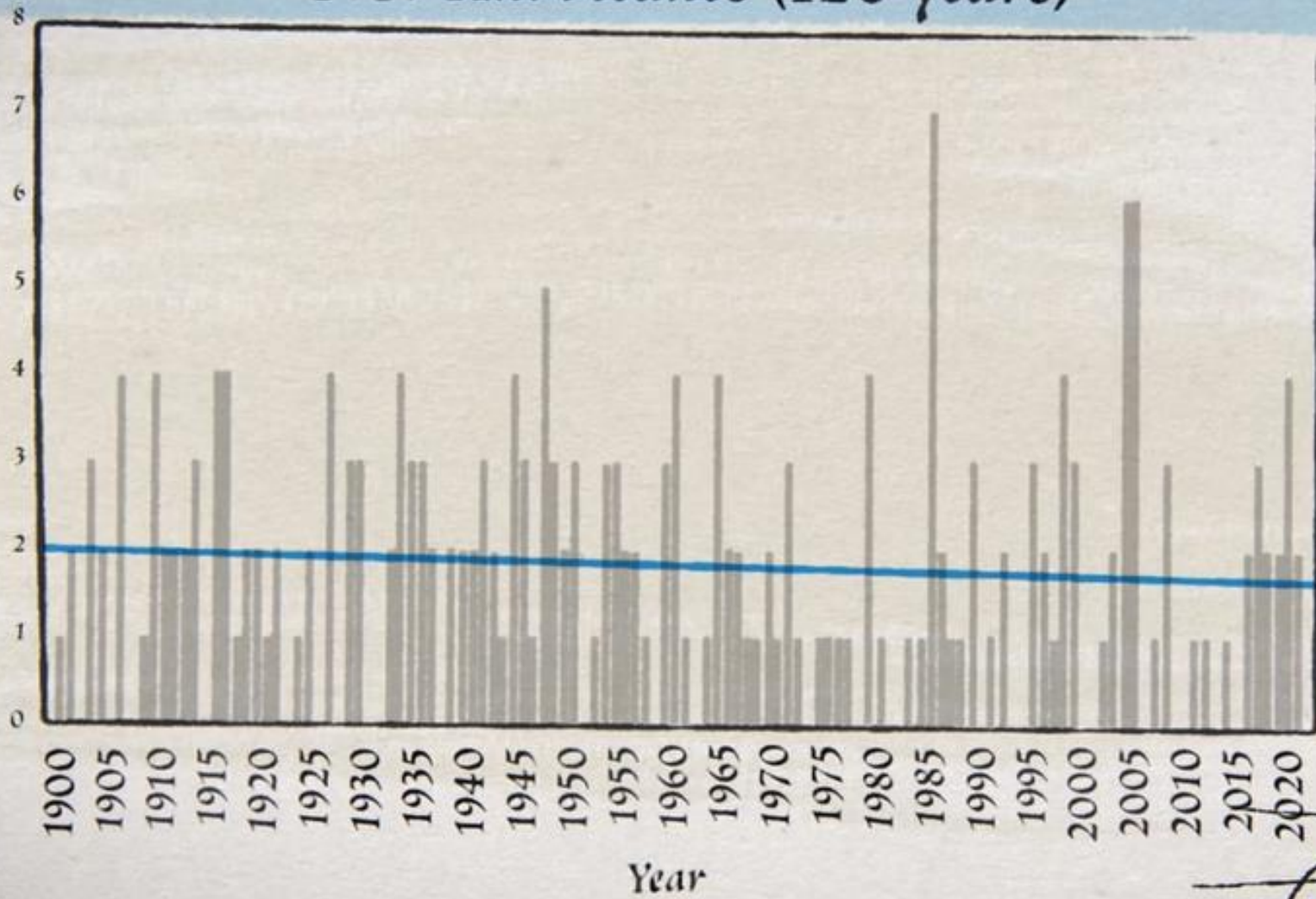


Wildfires U.S.



40:16 "It (the data plot) shows wildfires were a lot higher in the 1930s"

U.S. Hurricanes (120 years)



WE ARE
HERE

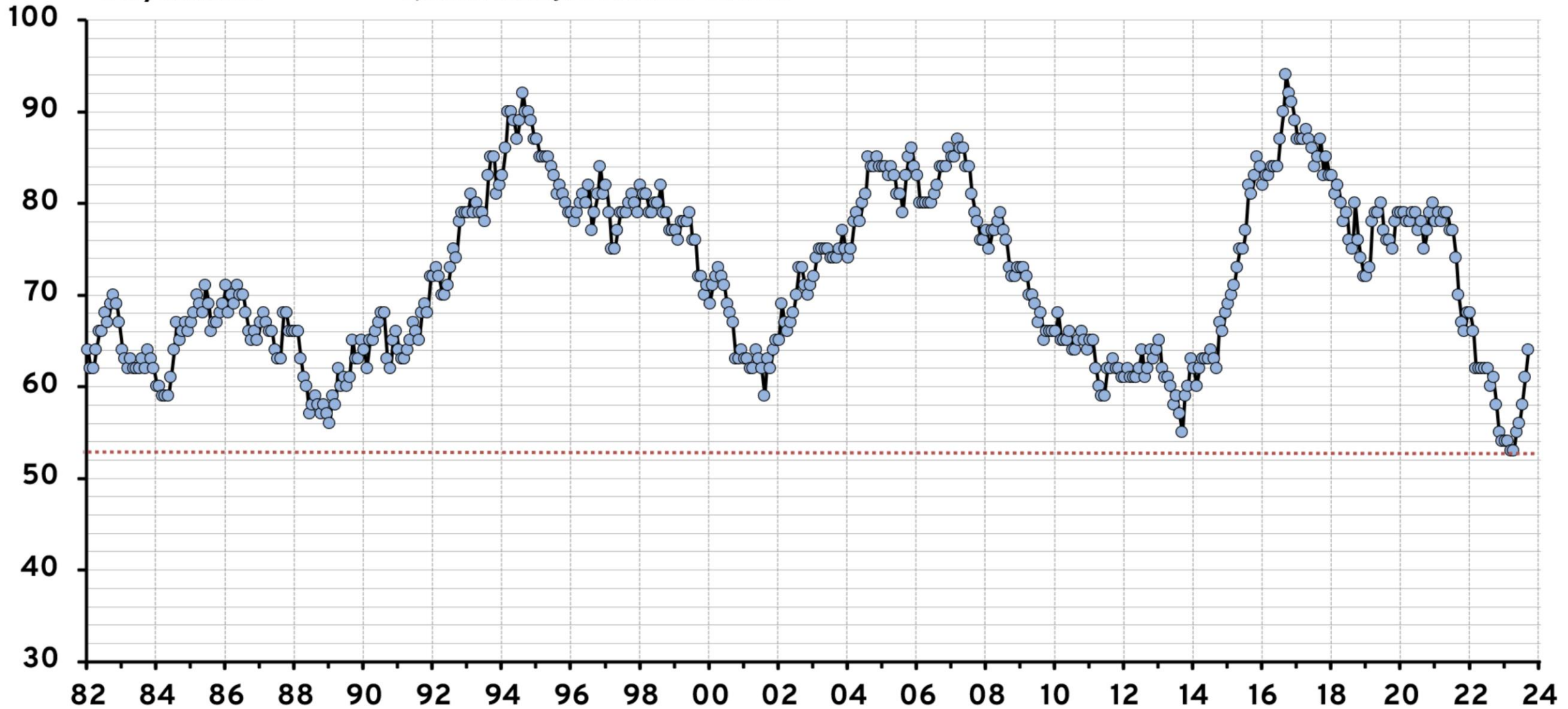


(Klotzbach & al. 2018)

Global Major Hurricane Frequency (≥ 94 knots) -- 3 year Running Sums

@RyanMaue

Updated through December 31, 2023



The notion that increasing $\langle CO_2 \rangle$ is causing upwards trends in hurricane activity is belied by the data.

Tony Heller 51:35 “We’ve got the International Panel on Climate Change...If we said the climate is not changing (or the change isn’t dangerous) they’d have no reason to exist...This is a huge big money scam.”



The Bandwagon Effect...

The **POLITICS** *of* **CLIMATE**

51:22

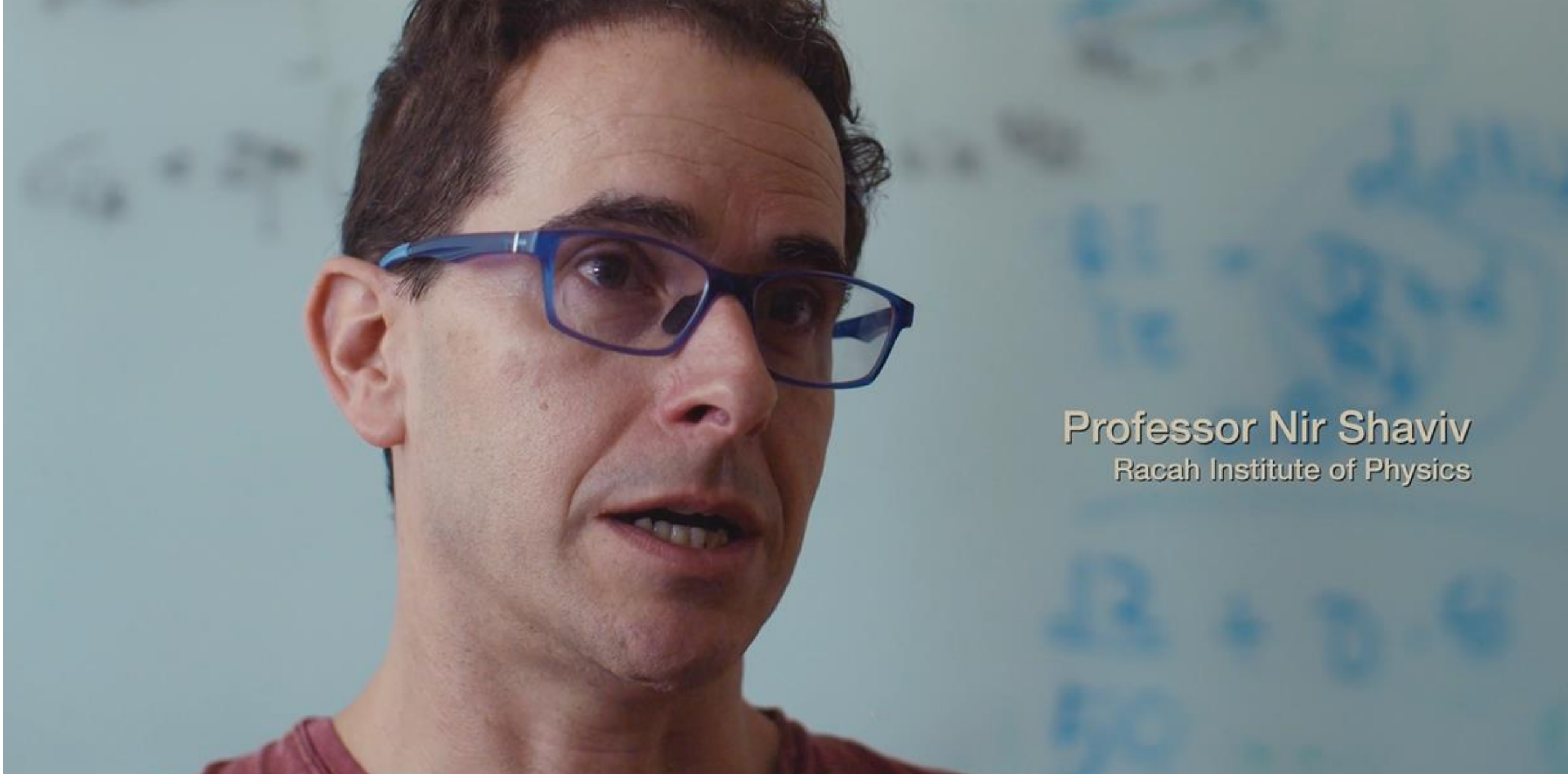
55:22



CC

Durkin 55:31 "From the start the climate scare was political. It came from the Environmental Movement, the sworn enemy of Free Market Capitalism.





Professor Nir Shaviv
Racah Institute of Physics

Shaviv 59:12 Once we said that (published our results that solar activity changed the climate) they didn't want to hear it, and we became *persona non grata*.

<https://evilincandescentbulb.wordpress.com/2022/06/05/global-warming-alarmism-skeptics-were-right-on/>

Heart disease

Deaths: 32.5% or 923,000 people

Cancer

Deaths: 26.3% or 746,000 people

Cold

Deaths: 6.4% or 181,000 people

Heat

Deaths: 0.31% or 8,600 people

“Most significant public health issue of our time”

Biden National Climate Advisor
Gina McCarthy, Jan 27 2021

Sources: Deaths 2.8M 2018, <https://www.cdc.gov/nchs/nvss/deaths.htm>, heart disease and cancer, <http://ihmeuw.org/5ctk>, cold and heat deaths from <https://www.sciencedirect.com/science/article/pii/S0160412017310346>, average of last 10 years. Heat and cold is partly overlapping with other diseases, but not shown here. Gina McCarthy quote from White House press conference, <https://bit.ly/3a8Vk57>, twitter.com/bjornlomborg

CLIMATE
versus
FREEDOM

Durkin 1:03:29 “It’s a whole new kind of society.”



Durkin: 1:03:54 “Environmentalism Demands (to curb alleged Human-Caused-CO2-Fueled Global Warming) are well-received by...the entire state-funded ruling establishment.”




Durkin: “The consensus on climate has since become a weapon. It is a method of bullying, intimidation, and censorship, used against those who refuse to conform.”

Geologist Wielicki: “It is a tool that people use to bludgeon their opponents and attack their character.”

Durkin: “...this represents an attack on free scientific inquiry.”

Koonin: 1:02:30 “I see my job as a scientist as just to lay out the facts.”

BIG NEWS: THE UNITED STATES AND CHINA JUST ANNOUNCED NEW TARGETS TO REDUCE CARBON POLLUTION

- President Obama is setting a new target to cut U.S. carbon pollution by 26-28% below 2005 levels by 2025.
 - China is committing to peak its CO2 emissions around 2030 while striving to peak early, and boost its share of non-fossil fuel energy to around 20%.
- 
- A stylized illustration in light blue and teal. It shows a factory with two smokestacks emitting smoke that rises into a large thought bubble. A small tree is also visible near the factory.

[WH.GOV/CLIMATE-CHANGE](https://www.whitehouse.gov/climate-change)

#ActOnClimate

It is stunning. Carbon-based life forms call the source for ALL of the carbohydrates we consume to sustain ourselves, Carbon Dioxide, “Carbon Pollution!” The Obama White House was either stunningly ignorant of science or acting to negatively impact National Security. Maybe both!

CLIMATE
versus
THE PEOPLE

1:07:39



1:08:30 (paraphrased) The problem with modern Capitalism, according to the climate protestors is that Capitalism produces too much. The Protesters want to impose on the rest of us a more austere lifestyle, in which the choices are controlled by Government.

(Durkin) It seems that what upsets the climate alarmists is the success of the system, which allows production of an abundance of goods for the masses at affordable prices.



Durkin 1:14:55 “Communist China is reportedly building two coal-fueled power plants a week. China now uses more than the rest of the world combined!



Durkin: 1:18:40 (paraphrased) There is anger against the parasitic, government-funded establishment hungry for ever-increasing government money and power...an assault on the freedom and prosperity of the rest of us.

IN MEMORY OF

Dr Hamish Mykura

Dr Tim Ball

Professor Bob Carter

Nigel Calder

Nigel Lawson

Professor S Fred Singer

Professor Patrick Michaels

Professor Freeman Dyson

Dr Jay Lehr