



Keynote Speech

**International Federation of Business & Professional Women
Asia Pacific Regional Conference
Empowered Women Leading Business and Green Economy
Grand Hotel, Taipei December 1, 2012**



GLOBAL SHIFT

Rising Disasters and Dawning Hope

全球轉化：災變上升下希望的曙光

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December 1, 2012

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Blog: <http://blog.yam.com/CPLin.html>

**1. Will December 21, 2012 be
the end of the world?
Will calamities such as
depicted in the film “2012”
descend upon us on that day?**

No and No.

**Because among other reasons, the quick shift
of the magnetic pole in a few days never
happened in the earth’s history. It usually
took hundreds, thousands and even more
years to complete the process.**

From Science to State

**I am speaking more as a former geologist than a former
deputy defense minister**

The link is security broadly defined



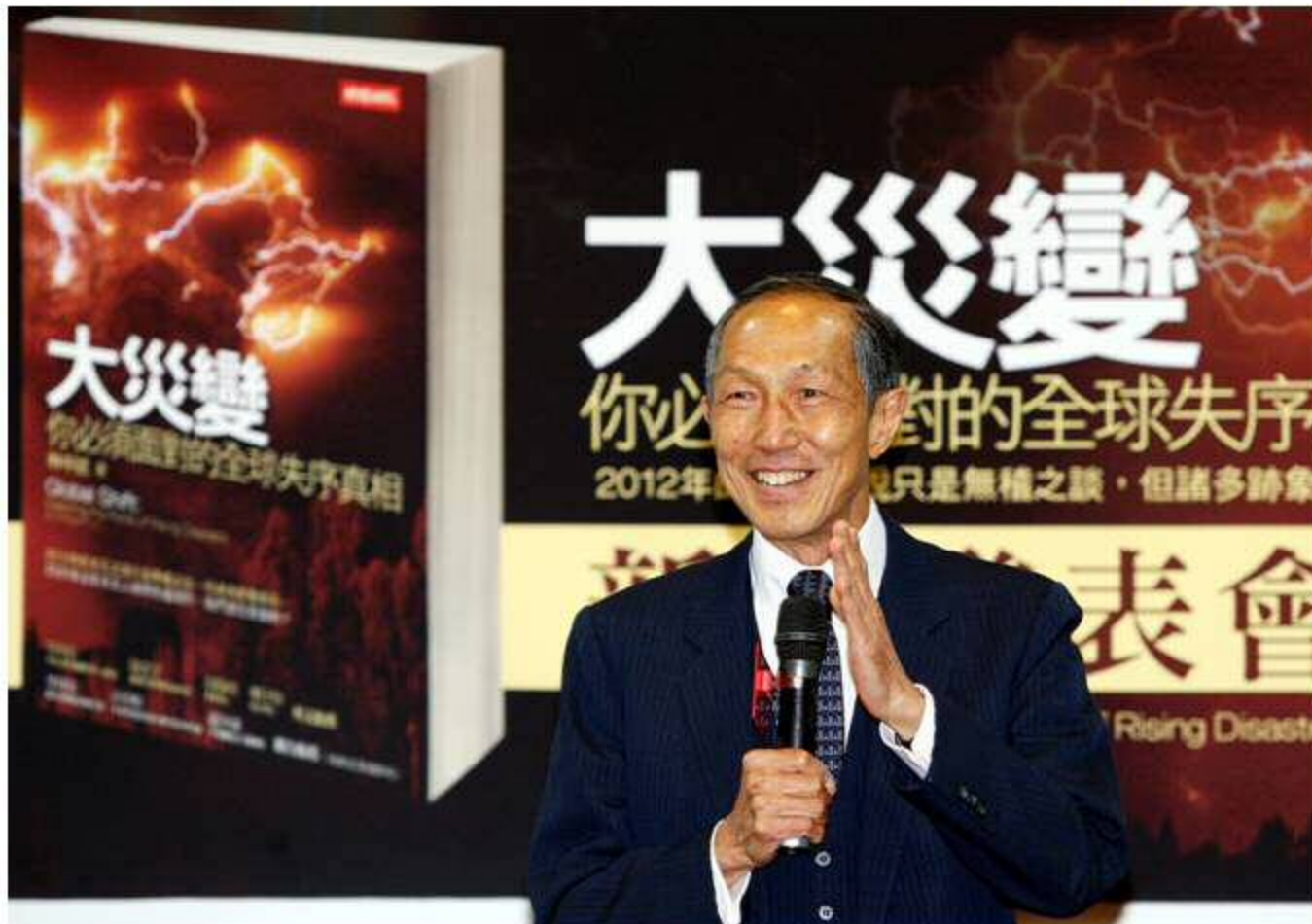
Geologist,
Stillwater, Montana
1976



Deputy Defense Minister
Taipei
2004

BOOK PARTY

“Global Shift: Exploring Roots of Rising Disasters ” Dec.30, 2011



Geomagnetic Excursion

Even the geomagnetic pole moved across the Equator and back after hundreds or even thousands of years, it might not have flipped

Geomagnetic Excursions 383

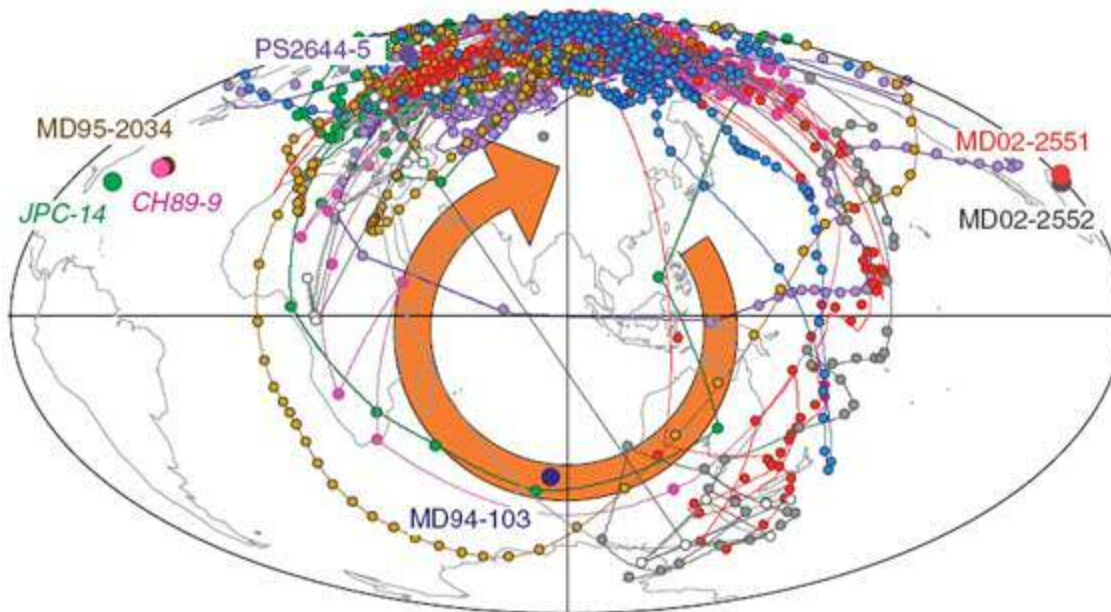


Figure 5 Transitional magnetization directions for the Laschamp excursion represented as virtual geomagnetic polar (VGP) paths. The large arrow illustrates the sense of looping which is consistently clockwise.

around 410,000 years ago

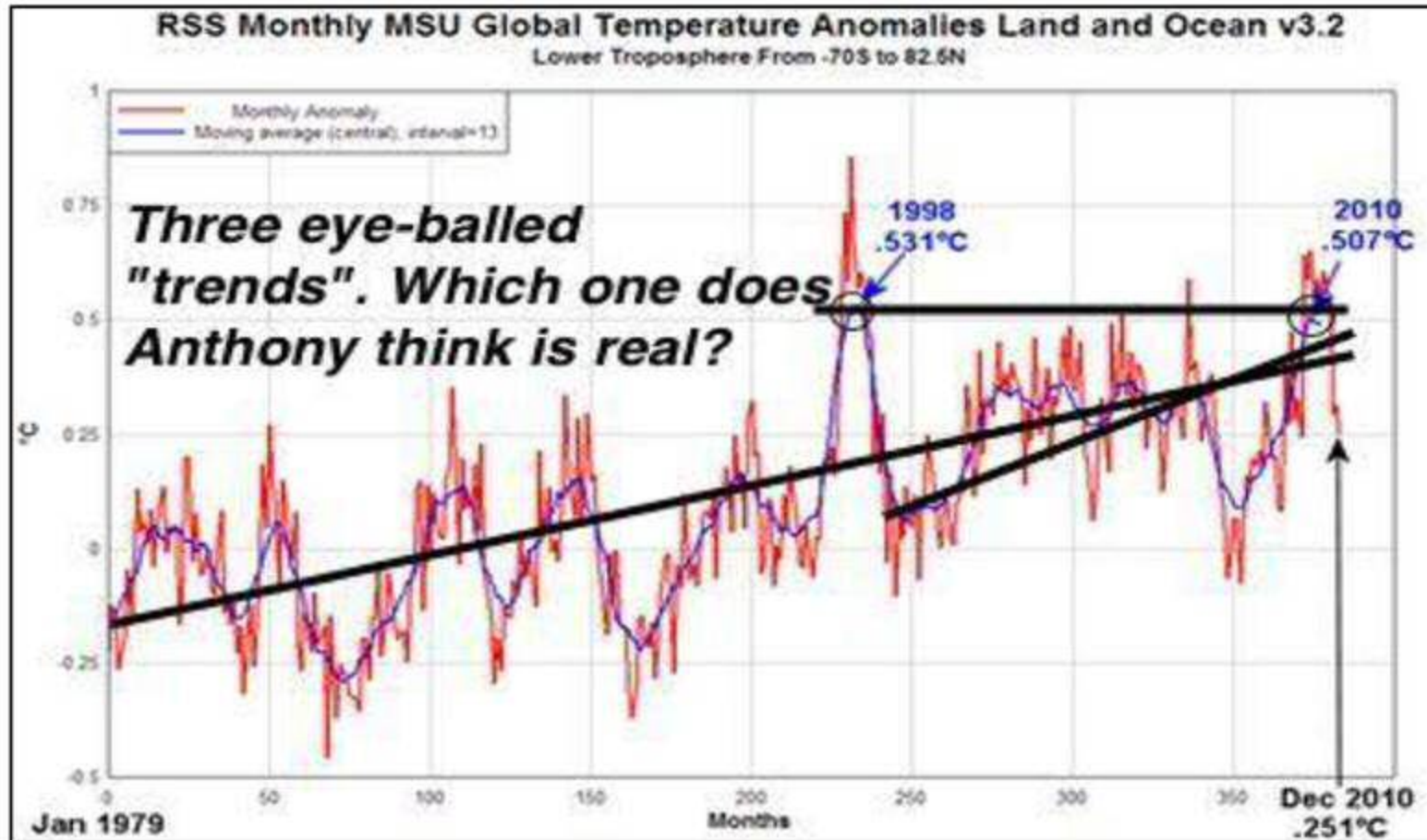
2. If the world does not end on December 21, 2012, will the world be inundated by water from melting ice in the Arctic by 2100, and will the world become an oven?

No.

Among other reasons, global average temperature has plateaued between 1998 and 2010.

Plateau between 1998 & 2010

These straight lines are not mathematically drawn



"RSS data: 2010 not the warmest year in satellite record, but a close second" <http://wottsupwiththat.com/2011/01/11/rss-data-2010-not-the-warmest-year-in-satellite-record-but-a-close-second/> accessed Nov.30, 2012

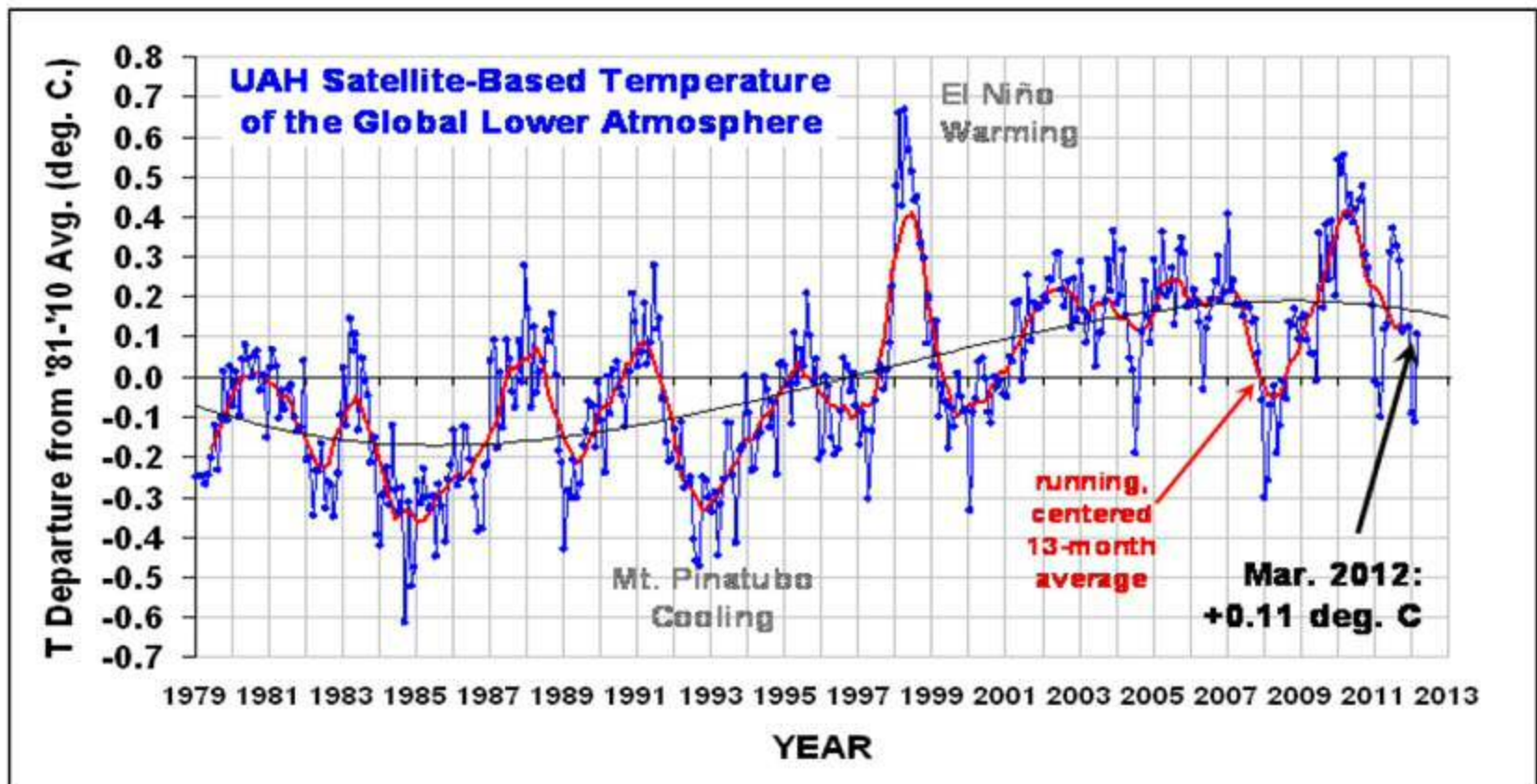


Dr. Roy Spencer

Dr. Roy Spencer, University of Alabama in Huntsville, formerly with NASA

Long-term trend line in black is drawn mathematically.

Plotting as March 2012



“Moscow sees heaviest November snow in 50 years”
***Washington Post* November 29, 2012**



http://www.washingtonpost.com/blogs/capital-weather-gang/post/moscow-sees-heaviest-november-snowfall-in-50-years-wintery-conditions-in-germany-central-europe/2012/11/29/e2d4d3a0-3a5b-11e2-b01f-5f55b193f58f_blog.html accessed Nov. 30, 2012

“Britain faces coldest winter for 100 years” *Mail* Nov. 30, 2012



<http://www.dailymail.co.uk/news/article-2239556/UK-weather-forecast-Britain-faces-coldest-winter-100-years-Big-Freeze-follows-flood.html> accessed Nov. 30, 2012

**Torching the frozen oil tank
“Heilongjiang hit minus 35 degrees Centigrade”**



<http://chn.lotour.com/d/20110118/n565242.shtml>
accessed Nov. 30, 2012

SEVERE WINTERS BECOME MORE FREQUENT

Global Shift: severe winters

JHT 2010-12-27 P.9

Bundle up, it's global warming

Why is it so cold and snowy in Europe and the Eastern United States?

Judah Cohen

LEXINGTON, MASSACHUSETTS The earth continues to get warmer, yet it's feeling a lot colder outside. Over the past few weeks, subzero temperatures in Poland claimed 66 lives; snow arrived in Seattle well before the winter solstice, and fell heavily enough in Minneapolis to make the roof of the Metrodome collapse; and last week blizzards closed Europe's busiest airports in London and Frankfurt for days. The snow and record cold have invaded the Eastern United States, with more bad weather predicted.

All of this cold was met with perfect comic timing by the release of a World Meteorological Organization report showing that 2010 will probably be among the three warmest years on record, and 2001 through 2010 the warmest decade on record.

How can we reconcile this? The not-so-obvious short answer is that the overall warming of the atmosphere is actually creating cold-weather ex-

trêmes. Last winter, too, was exceptionally snowy and cold across the Eastern United States and Eurasia, as were seven of the previous nine winters. For a more detailed explanation, we must turn our attention to the snow in Siberia.

Annual cycles like El Niño/Southern Oscillation, solar variability and global ocean currents cannot account for recent winter cooling. And though it is well documented that the earth's frozen areas are in retreat, evidence of thinning Arctic sea ice does not explain why the world's major cities are having colder winters.

But one phenomenon that may be significant is the way in which seasonal snow cover has continued to increase even as other frozen areas are shrinking. In the past two decades, snow cover has expanded across the high latitudes of the Northern Hemisphere, especially in Siberia, just north of a series of exceptionally high mountain ranges, including the Himalayas, the Tien Shan and the Altai.

The high topography of Asia influences the atmosphere in profound ways. The jet stream, a river of fast-flowing air five to seven miles above sea

level, bends around Asia's mountains in a wavelike pattern, much as water in a stream flows around a rock. The energy from these atmospheric waves, like the energy from a sound wave, propagates both horizontally and vertically.

As global temperatures have warmed and as Arctic sea ice has melted over the past two and a half decades, more moisture has become available to fall as snow over the continents. So the snow cover across Siberia in the fall has steadily increased.

The sun's energy reflects off the bright white snow and escapes back out to space. As a result, the temperature cools. When snow cover is more abundant in Siberia, it creates an unusually large dome of cold air next to the mountains, and this amplifies the standing waves in the atmosphere, just as a bigger rock in a stream increases the size of the waves of water flowing by.

The increased wave energy in the air spreads both horizontally, around the Northern Hemisphere, and vertically, up into the stratosphere and down toward the earth's surface. In response, the jet stream, instead of flowing predominantly west to east as usual, me-

anders more north and south. In winter, this change in flow sends warm air north from the subtropical oceans into Alaska and Greenland, but it also pushes cold air south from the Arctic on the east side of the Rockies. Meanwhile, across Eurasia, cold air from Siberia spills south into East Asia and even southwestward into Europe.

That is why the Eastern United States, Northern Europe and East Asia have experienced extraordinarily snowy and cold winters since the turn of this century. Most forecasts have failed to predict these colder winters, however, because the primary drivers in their models are the oceans, which have been warming even as winters have grown chillier. They have ignored the snow in Siberia.

Last week, the British government asked its chief science adviser for an explanation. My advice to him is to look to the east.

It's all a snow job by nature. The reality is, we're freezing not in spite of climate change but because of it.

JUDAH COHEN is the director of seasonal forecasting at an atmospheric and environmental research firm.

Judah Cohen

International Herald Tribune Dec. 27, 2010 p.9

Mini-ice Age Is Coming

Forecast by astronomers from four countries in five years

1. Russia: March 2007

Dr. Habibullo Abdussamatov, Research Director at Pulkovo Observatory, St. Petersburg →



2. Netherlands: June 2010

Professor Cornelis de Jager, former Director of Utrecht Observatory, Utrecht →



3. U.S.: June 2011

Dr. Frank Hill, Associate Director, Solar Synoptic Network, National Solar Observatory

4. Japan: April 2012

Professor Saku Tsuneta, National Astronomical Observatory of Japan →



3. Can we then burn coal, petroleum, and eat much beef as we like?

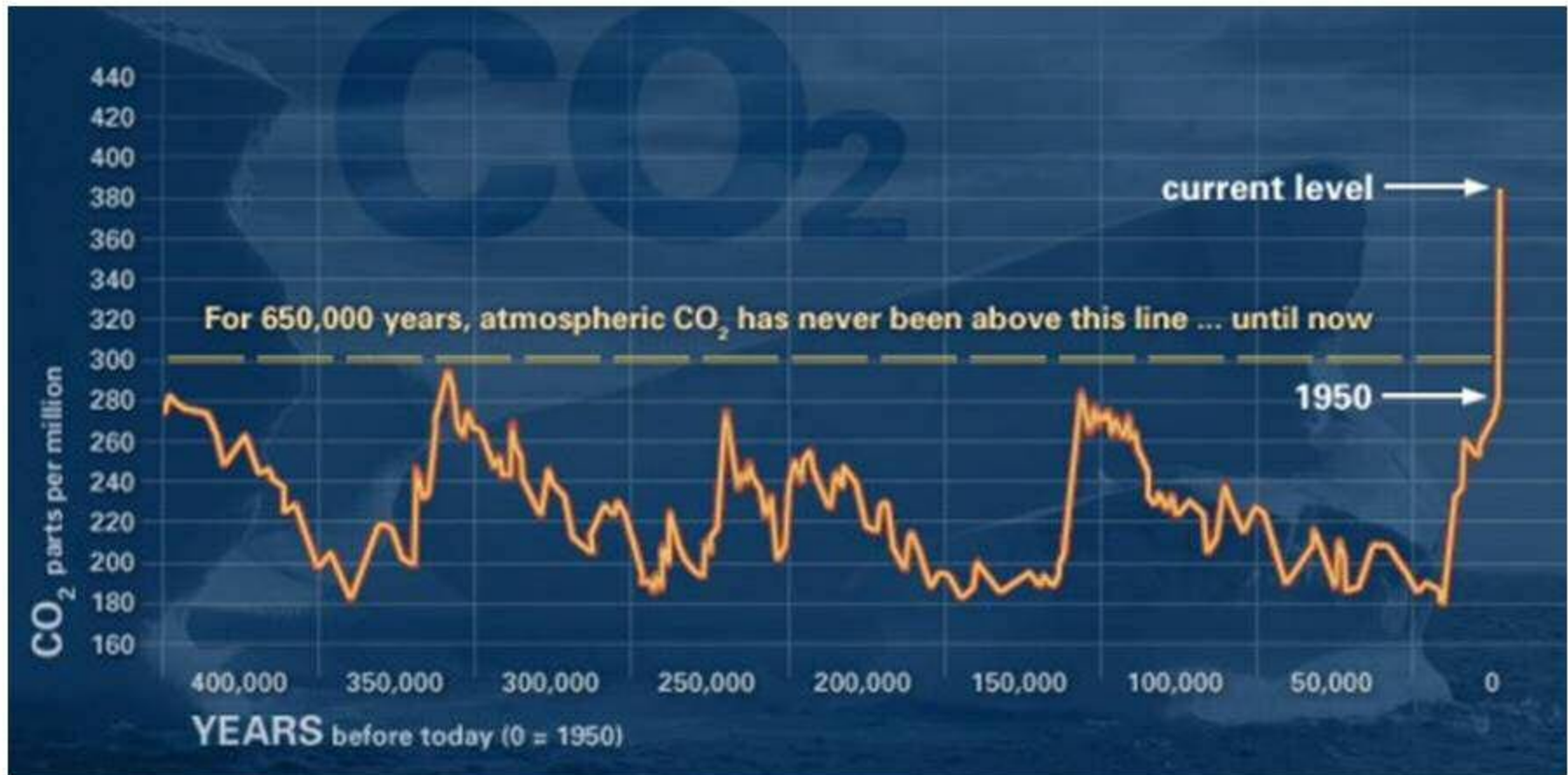
No.

Although global temperature may gradually come down, carbon dioxide content in the atmosphere which has already risen to an alarming level will continue to rise, causing lung cancer to spread, jelly fish to take over the ocean, forest to die of acid rain.

The abnormal rise of the atmospheric content of CO₂ is caused by human activities

For 650,000 years, atmospheric CO₂ hovered between 180 and 280 ppm. It rose to 360 ppm in 1999, and shot above 390 ppm by October 2012.

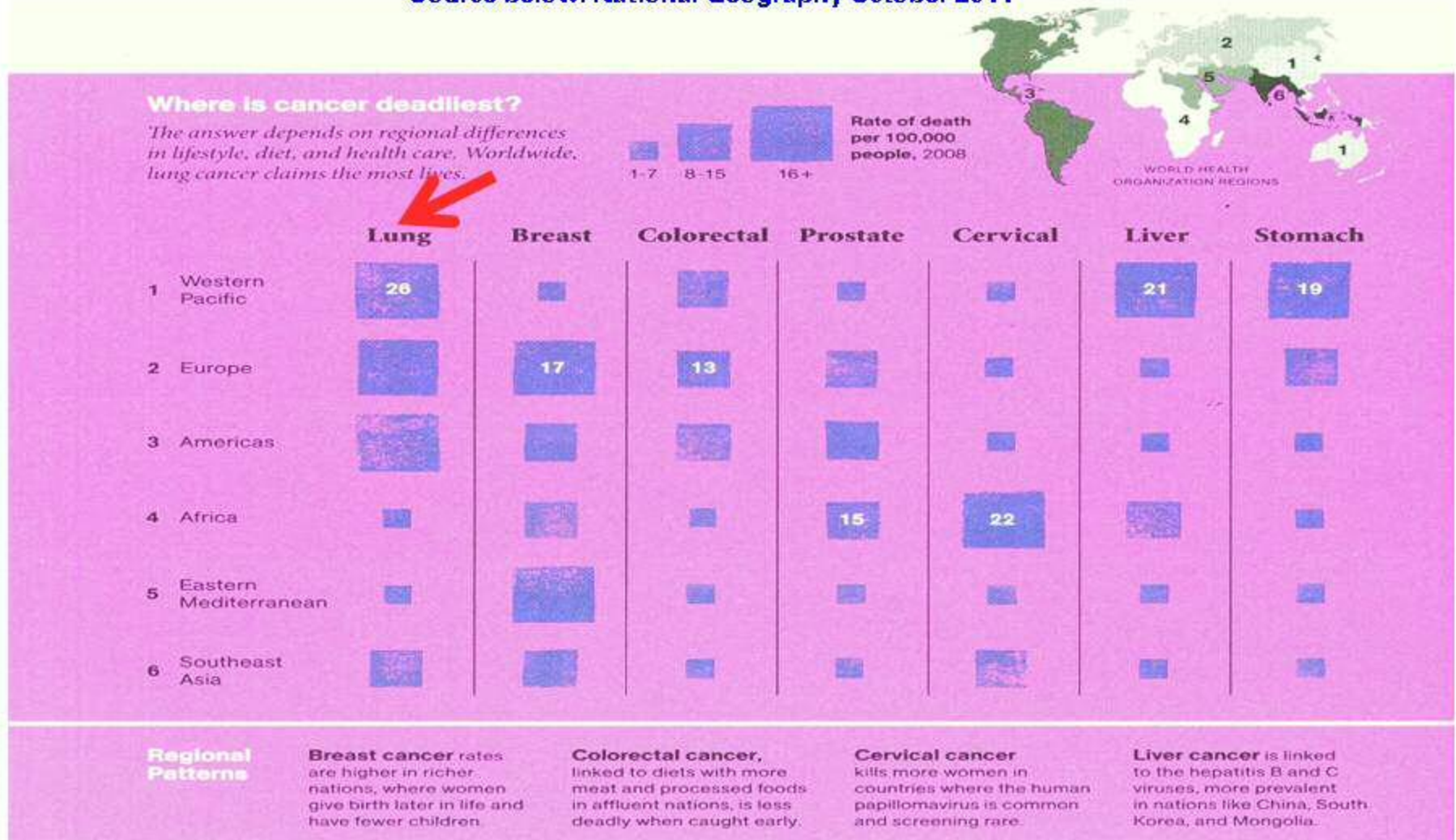
CO₂Now.Org.<http://co2now.org/> accessed Nov. 30, 2012



Lung Cancer & CO2

Lung cancer is the number one cancer killer in the world. Every year, 1.4 million die of it.

Source below: National Geography October 2011

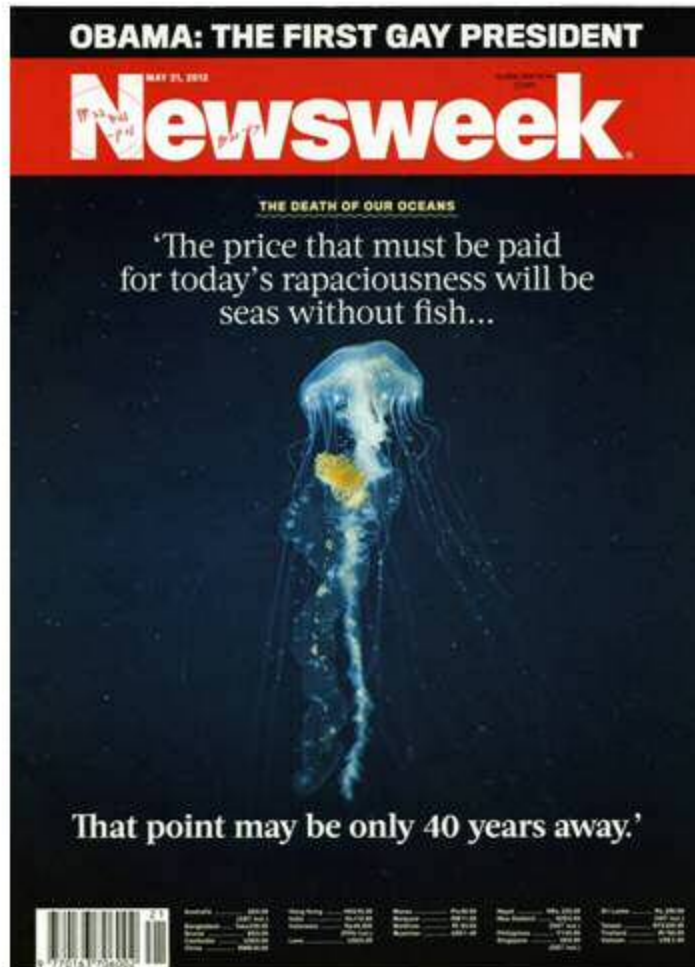


SEA WITHOUT FISH

In 40 years

Newsweek May 21, 2012

Fish catch, Key West 1950–2007 dropped 88%



Sixty years ago, huge grouper and sharks dominated the catches in Key West.



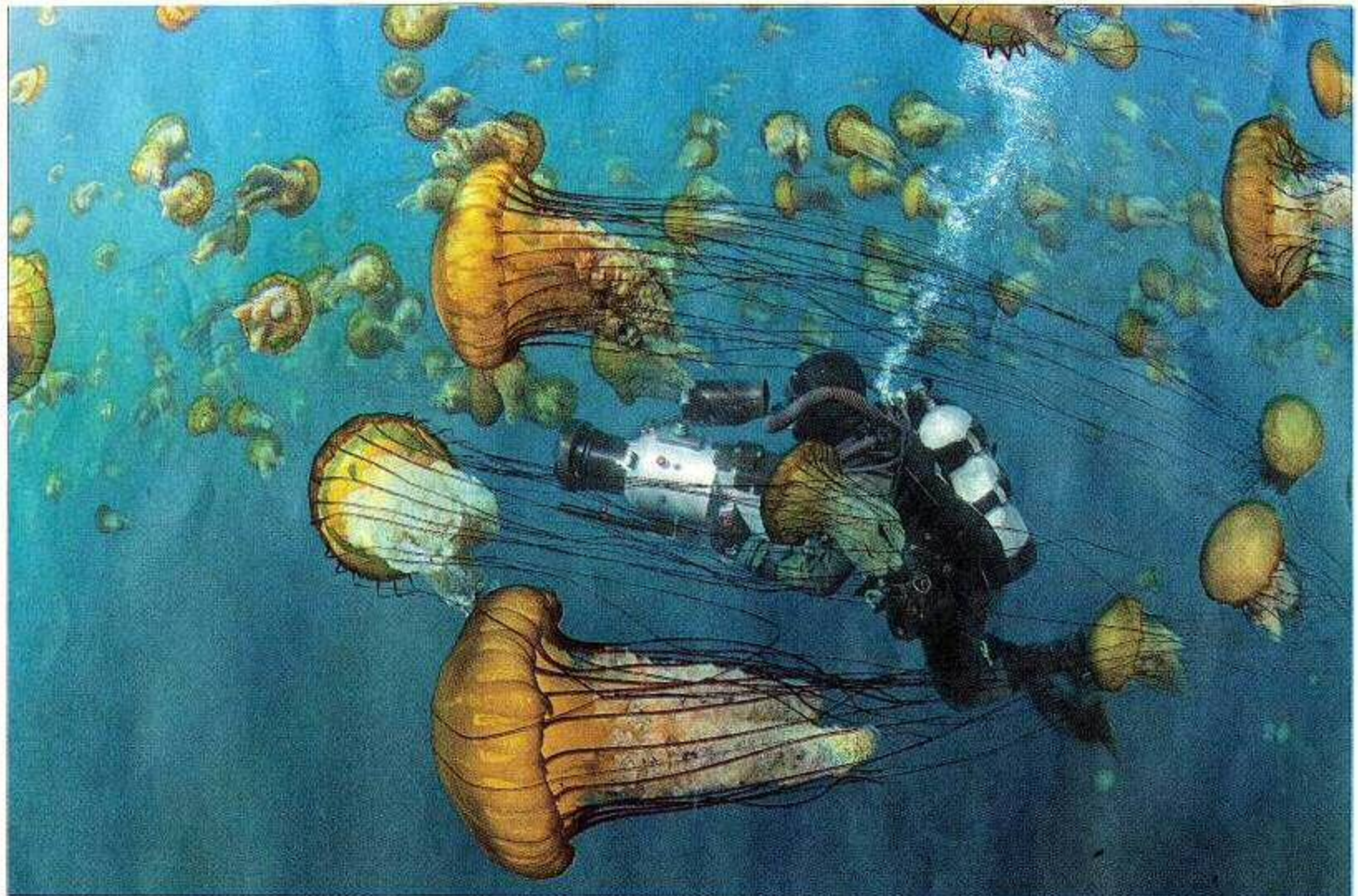
Thirty years on, overfishing in the region had eliminated larger fish from the haul.



By 2007, the average size of Key West's fish had decreased by 88 percent.

A JELLY FISH OCEAN

China Times April 18, 2010 A2



海底大水母

▲美國迪士尼公司發布預定4月22日「世界地球日」上映的生態紀錄片《海洋》(Oceans)的影像，當中一名水底攝影師在巨大水母之間捕捉畫面。該片是迪士尼耗費4年，穿梭了世界50個地方所完成的海洋紀錄大片。
(美聯社)

4. Should we avoid alarming people by acting business as usual?

No.

Downgrading disaster estimates may kill people.

L'AQUILA EARTHQUAKE



Bernardo de Bernardino (left) in court

- **Ancient City in Central Italy**
- **April 2009**
- **Magnitude 6.3**
- **Deaths 309**
- **Seven government scientists** 6 days before the earthquake ignored the tremors and the emission of radon gas, and said not to worry
- **Bernardo De Bernardino** deputy chief of Italy's Civil Protection Department : "Meanwhile, let's go and have a glass of wine," the journalist said. "Absolutely!" De Bernardinis replied.
- **Citizens sued**
- **October 2012:** They were found "guilty of manslaughter" and sentenced to 6 years in jail for providing "an incomplete, inept, unsuitable and criminally mistaken" assessment of risks

5. Will more earthquakes and volcanic eruptions continue to devastate ill-fated localities?

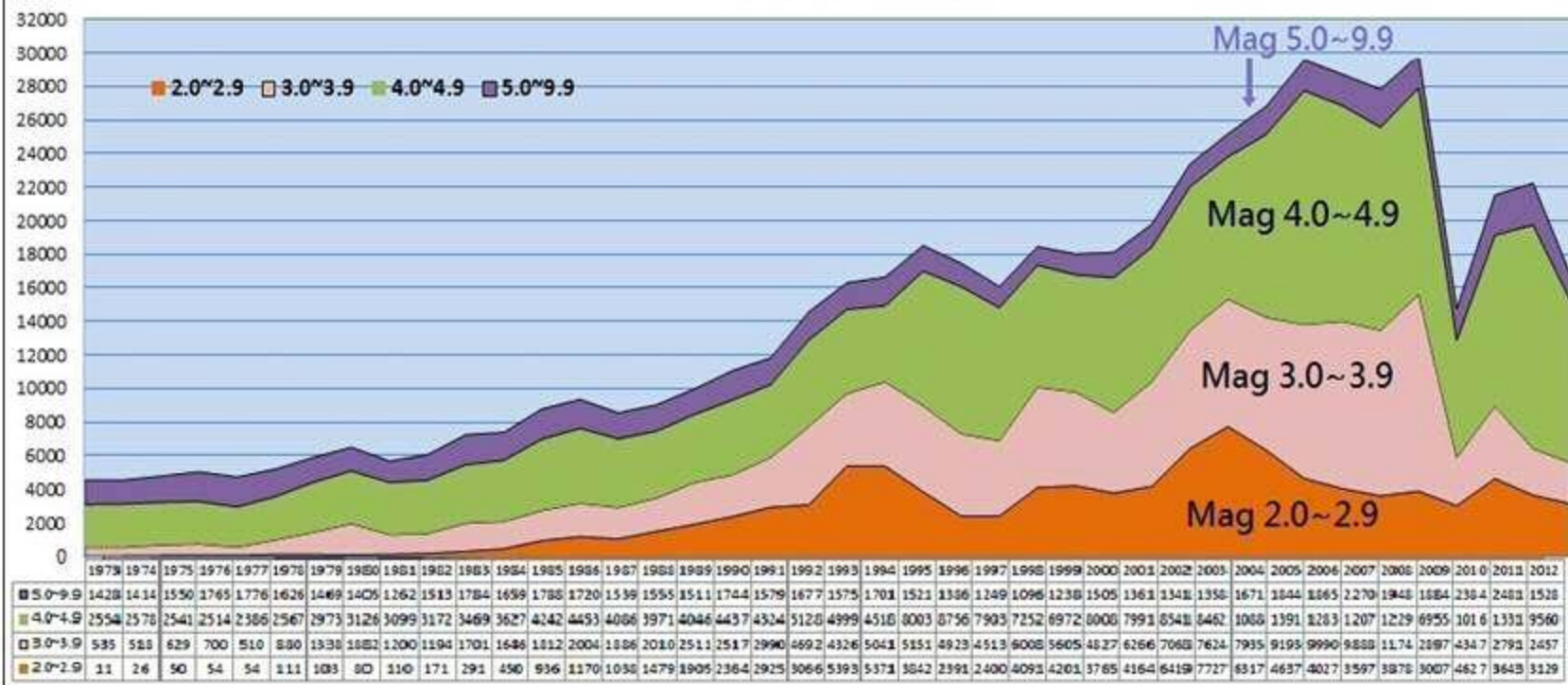
No.

The growing frequencies of earthquakes and volcanic eruptions have peaked in 2008.

Frequency of Earthquakes Peaked in 2008 previously rising steadily falling to 1997 level in 2012

World Earthquake Magnitude 2 to 10
1973 – 2012

林中斌, 《全球磁變》
Chong-Ping Lin, *Global Shift*



Source: Geological Survey (USGS) http://earthquake.usgs.gov/earthquakes/eqarchives/epic_global.php Accessed: November 30, 2012 Computation & Graph: Eli Huang

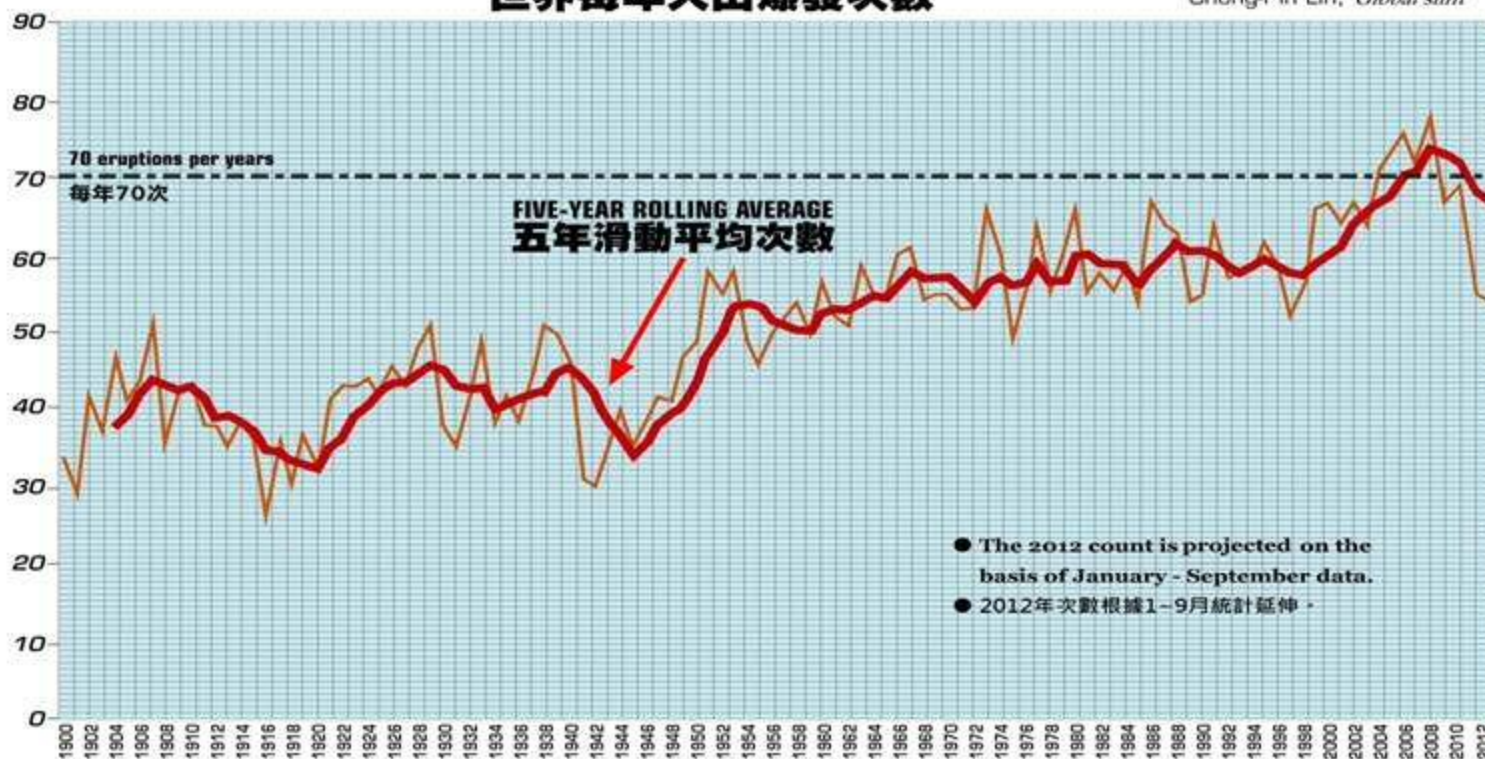
USGS DATA Compiled by Chong-Pin Lin & Graphed by Eli Huang et al

Frequency of Volcanic Eruptions Peaked in 2008

previously rising steadily since 1945
falling to 1997 level in 2012

World Annual Volcanic Eruptions
1900-2012
世界每年火山爆發次數

林中斌·《全球暖變》
Chong-Pin Lin, *Global shift*



Source: 美國國家史密森自然歷史博物館: 全球火山研究計劃 (Smithsonian National Museum of Natural History: Global Volcanic Program)

http://www.volcano.si.edu/world/find_eruptions.cfm accessed August 17, 2010

Data Compilation: Chong-Pin Lin 林中斌 Aug. 17, 2010

Graph: Cheng-Chung Wang 王永中 Aug. 23, 2010/ Guan-Chiun Su 蘇冠群 Oct.19, 2010/ Eli Huang Nov.30, 2012

Smithsonian Institute Data Compiled by Chong-Pin Lin & Graphed by Eli Huang et al

6. Will natural disasters that have become more frequent, larger in scale, and more complicated continue to rise?

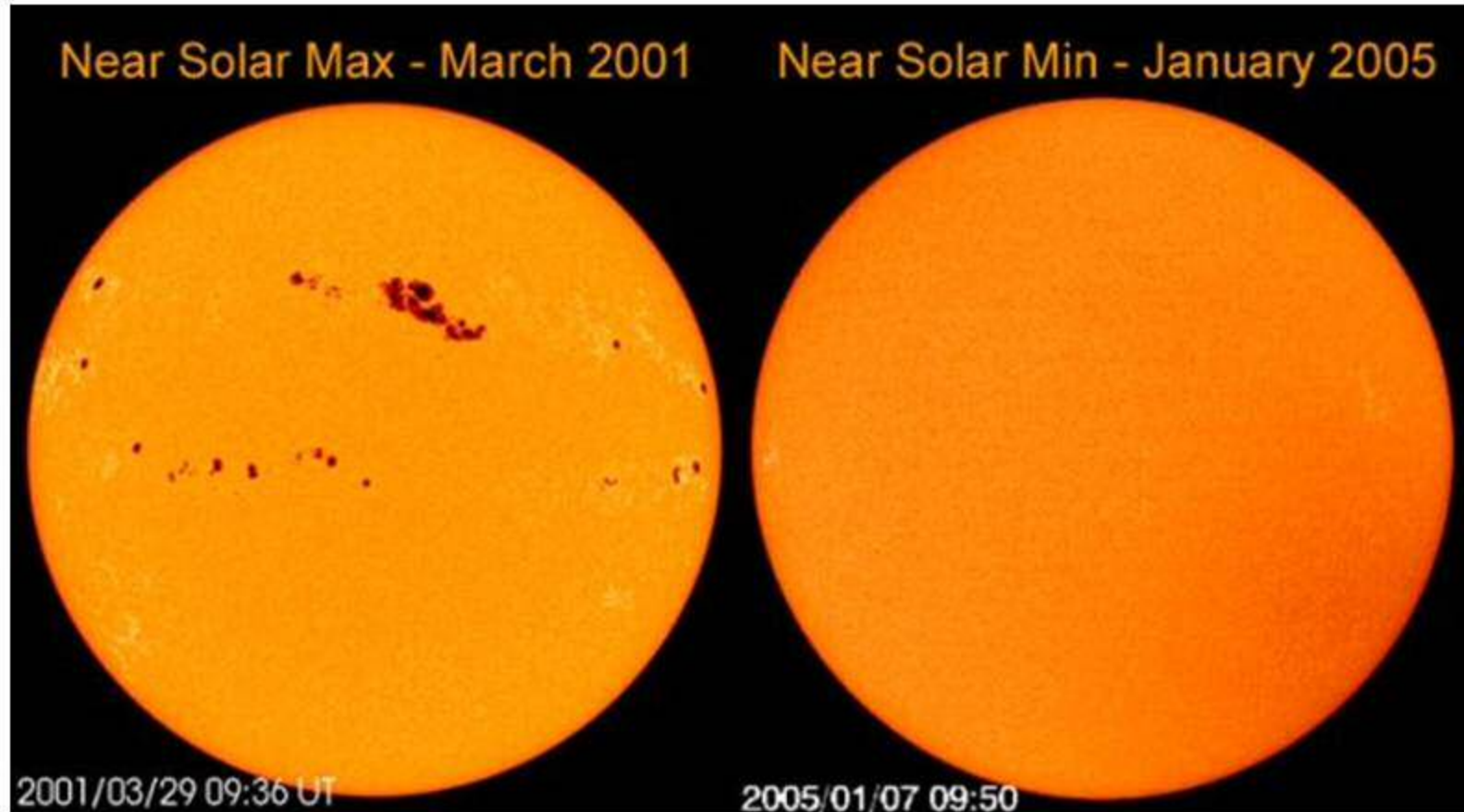
No.

There are at least six indicators that rose before rising natural disasters are gradually coming down.

six indicators that rose before rising natural disasters

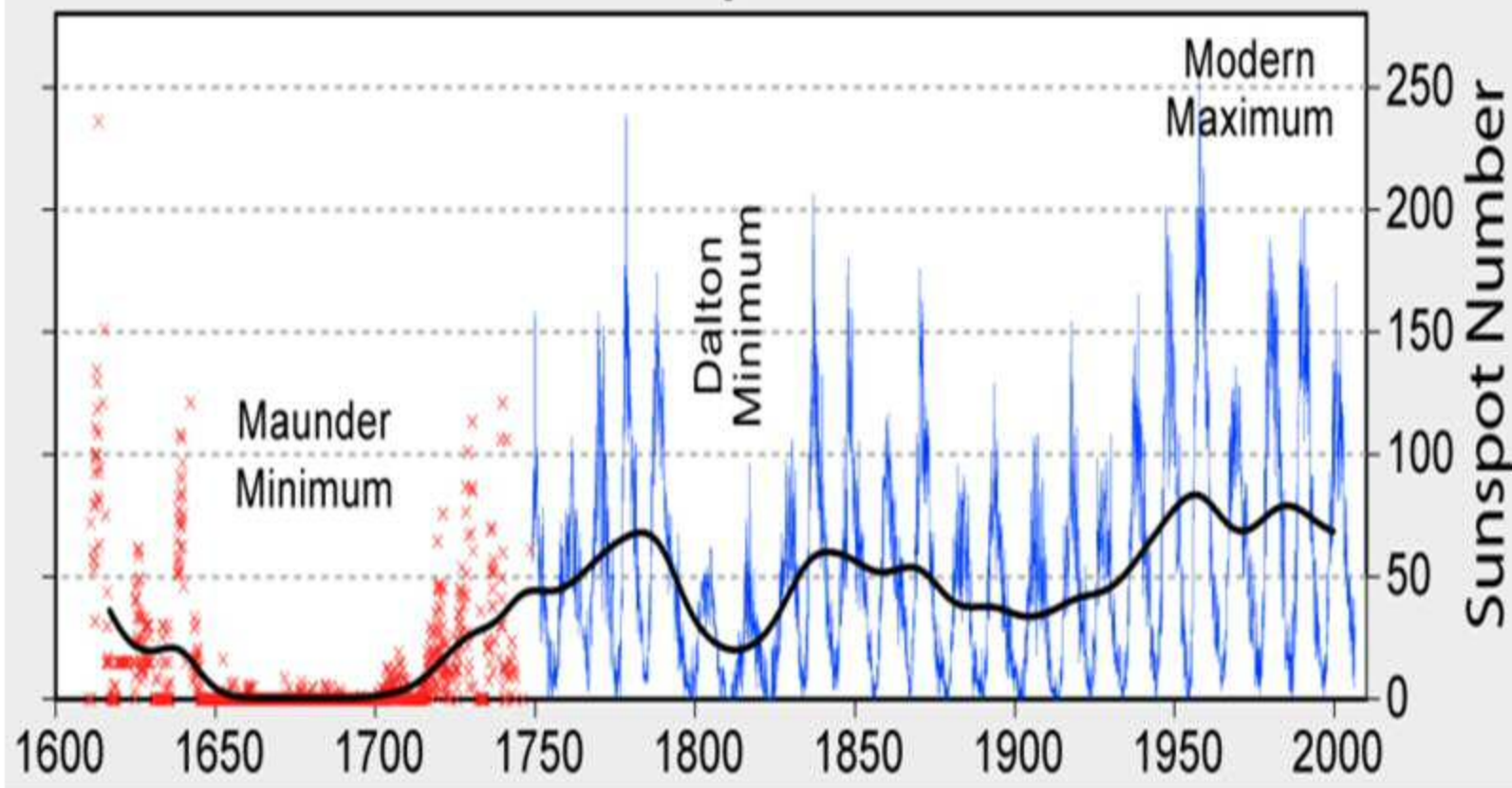
- 1). Solar cycles- the number of sunspots at the solar maxima has declined since 1990s (Cycle 22)**
- 2). Solar cycles -the strength of sunspots has declined since 1999**
- 3). Magnetic north pole- its northwest moving speed, currently still fast at 55 km per year, is slowing down after having peaked in 1998 at 70km per year.**
- 4). Frequency of earthquakes**
- 5). Frequency of volcanic eruptions**
- 6). Average global temperature**

Sunspots Indicate Solar Cycle Intensity



Global Temperature Rises and Falls with Intensity of Solar Cycles

400 Years of Sunspot Observations

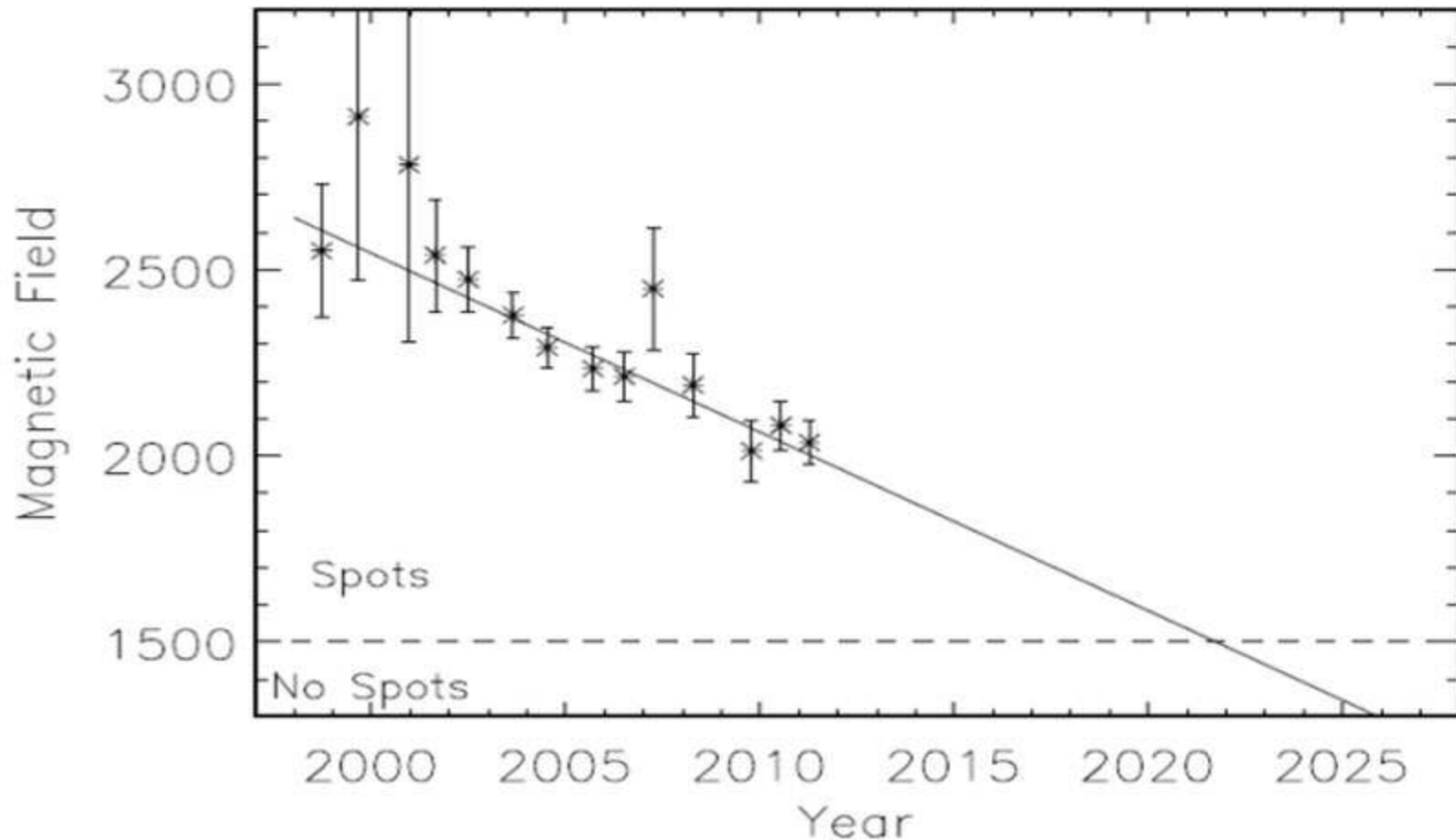


Sunspot Number Falling: Intensity of Solar Cycles Began to Fall Since Cycle 22 (1986-1997)

Monthly Sunspot Numbers
Solar Influences Data Analysis Center (SIDC)
Jan 1976 - Feb 2012

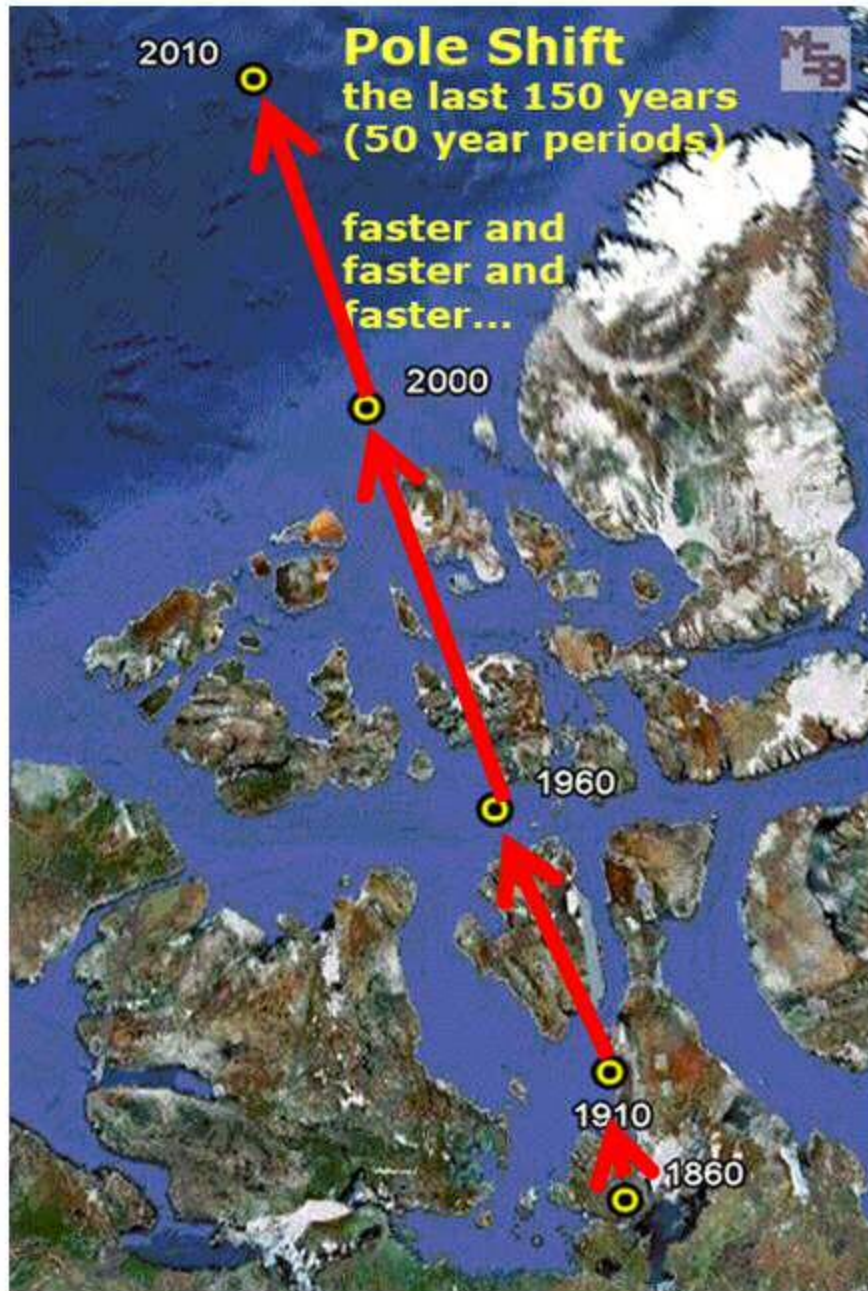


Sunspot Strength Falling Since 1999



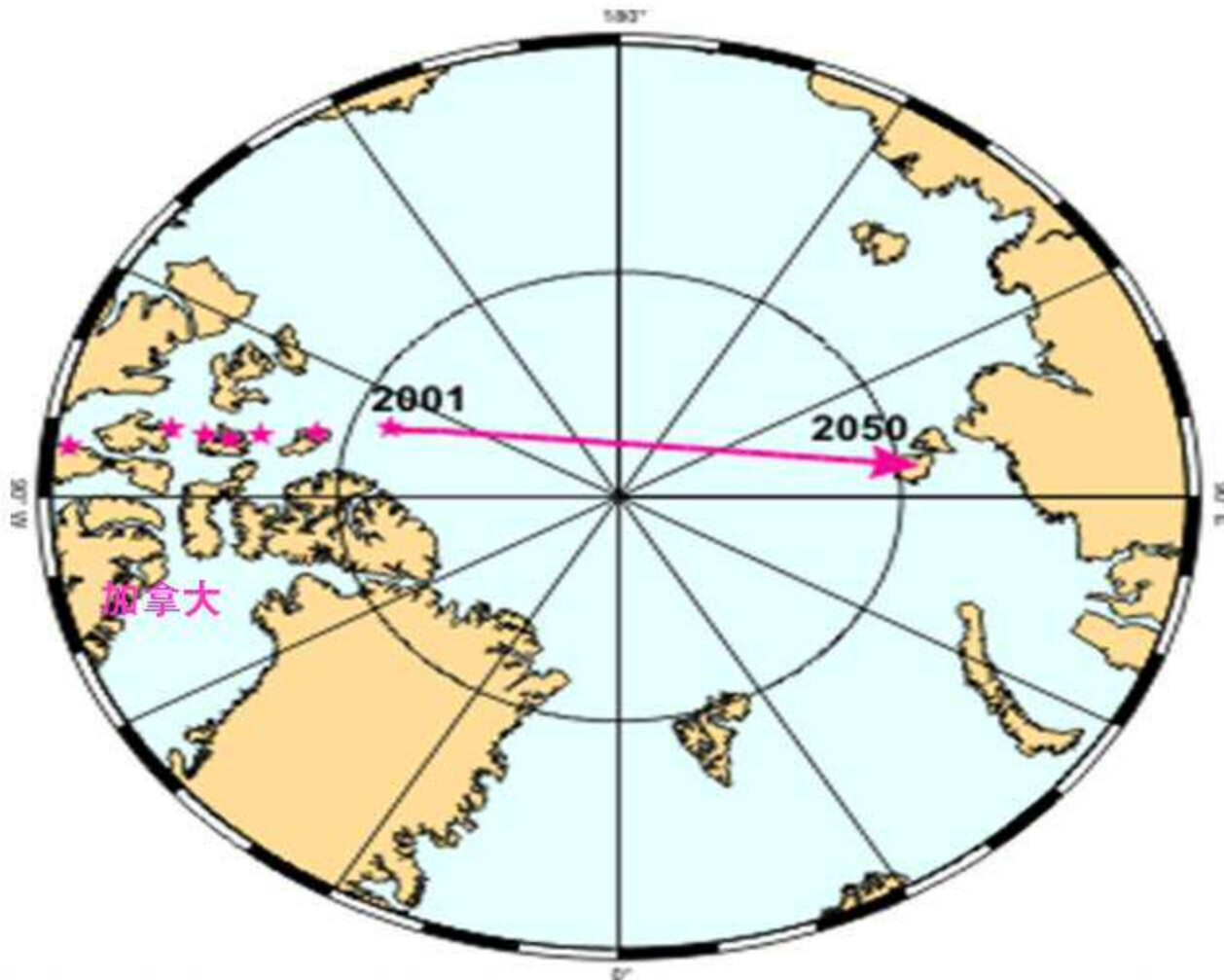
Average magnetic field strength in sunspot umbras has been steadily declining for over a decade.

The trend includes sunspots from Cycles 22, 23, and (the current cycle) 24.



Magnetic North Pole in the Last 150 Years

<http://modernsurvivalblog.com/pole-shift-2/alarming-noaa-data-rapid-pole-shift/> accessed
October 26, 2011



Magnetic North Pole Moving from Canada to Siberia

"Geomagnetism: Long Term Movement of the North Magnetic Pole"

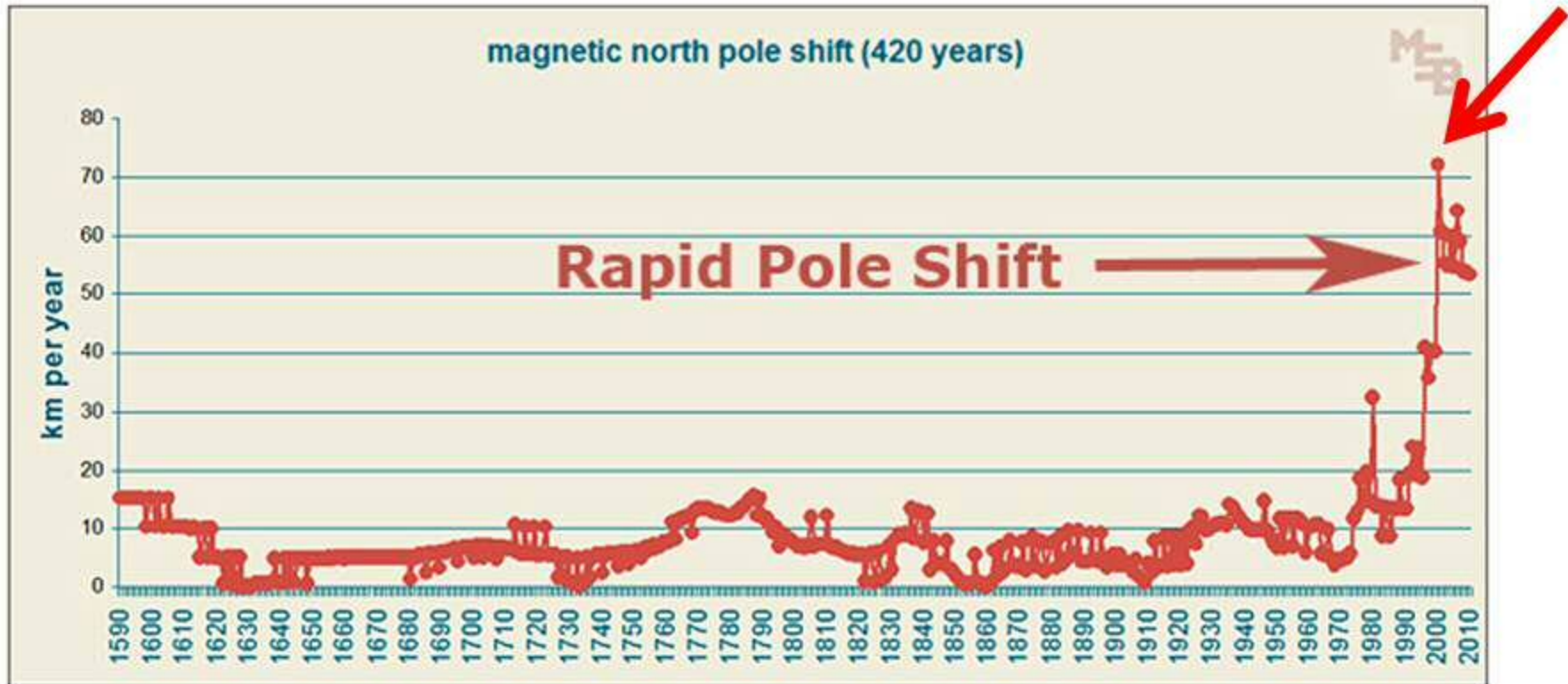
Geological Survey of Canada

http://gsc.nrcan.gc.ca/geomag/nmp/long_mvt_nmp_e.php accessed September

13, 2010

Magnetic North Pole Shift Reached Peak in 2000

Since 1970, the shift accelerated and reached 70km/yr in 2000.
After that, the shift remained fast but has slowed down
to 55km/yr in 2010 and 48km/yr in 2011
2010年達一年55公里，2011年48公里。



7. If natural disasters will no longer hit us more frequently, can we sigh with relief and indulge in endless pleasure?

No.

Because human disasters are growing in frequency due to

- A) Our mind is deprived of peace: restless, greedy, intolerant, warring and more;**
- B) Weakened earth's magnetic field that has affected our mental stability possibly through disrupting our secretion of melatonin.**

RISING ABERRANT HUMAN BEHAVIORS

- **Mass Shootings**
- **Serial Killings**
- **Stampede Casualties**
- **Deathly Riots**
- **Parent-Children Murders**

8. Are the rising disasters only for us to survive and forget?

No.

We should thereupon reflect, learn, improve and evolve to a higher plain.

Suffering makes us think.

Thinking makes us wise.

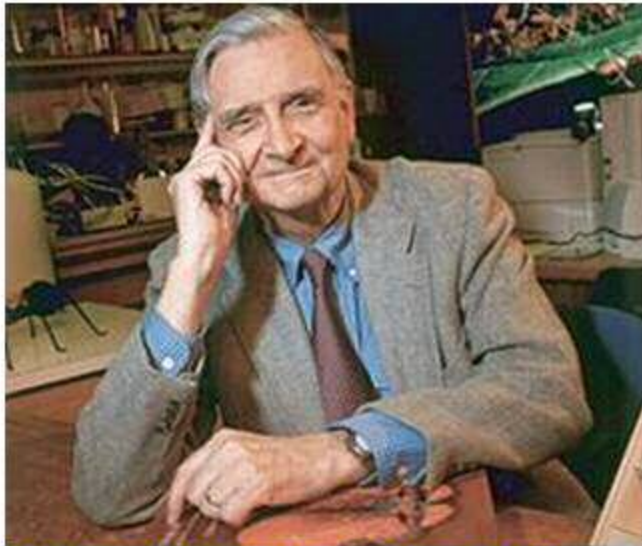
A new value system is being born out of the crisis.

9. Isn't the survival of the fittest the rule of the world?

No.

For the animal kingdom, that may be true. For the evolution of the human race, cooperation has been as important, if not more important, as competition, which has been discovered by scientists in recent years.

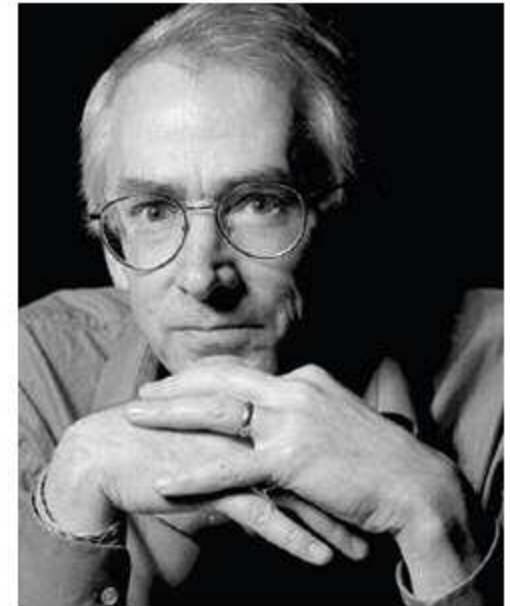
Group Selection



Edward Wilson, Father of Sociobiology, two times winner of Pulitzer Prize (1929-)



Jonathan Haidt, Professor of New York University, Templeton Prize Winner (1963-)



David Sloan Wilson Professor of Binghamton University (1949-)

Humans evolved in groups . Groups characterized by cooperation, and self sacrifice, survived. Their genes were passed down to future generations.

HELPING OTHERS TRIGGERS PLEASURE SCIENTISTS RECENTLY FOUND



(T)he work of the Emory University neuroscientists James Rilling and Gregory Berns. They found that the act of helping another person triggers activity in the caudate nucleus and anterior cingulate cortex regions of the brain, the parts involved in pleasure and reward. That is, serving others may produce the same sort of pleasure as gratifying a personal desire.

美國埃默里大學神經學教授日凌和波恩司發現幫助別人會刺激大腦中「尾狀核」以及「前扣帶皮層」區域。那就是產生享樂和滿意感覺的部分。

大為·布魯克斯·國際先鋒論壇報二零一零年五月十八日



“The most selfish thing you can do is to help other people”

Brian Mullaney, co-founder of Smile Train, which helps tens of thousands of children each year who were born with cleft lips and cleft palates.

Mullaney was a millionaire driving a Porsche and taking dates to fancy restaurants.

(Nicholas D. Kristof, “A Basic Human Pleasure” *International Herald Tribune* January 18, 2010 p.13)



A click of a mouse can save his life.



SmileTrain

Capitalists Critical of Capitalism after the financial crisis



Adair Turner,
Baron Turner of
Ecchinswell,
British businessman,
chairman of Financial
Services Authority



Roger Martin,
Dean of the
Rotman School of
Management at
the University of
Toronto



Paul Volcker,
American economist.
Chairman of the
Federal Reserve 1979-
1987

“The invisible hand”, per Adam Smith, that is supposed to bring wealth to the entire society if each strives to maximize his/her profit remained invisible.

What went wrong?

10. What is in store for us in the future if we

- **reduce the carbon dioxide emission,**
- **learn from the growing disasters both natural and human-caused,**
- **become more at peace with ourselves, and**
- **experience the pleasure of helping others?**

It will be the dawning of an age of harmony and happiness never experienced by human race before.

**You may call it
the dawning of
a New Age.**

A scenic photograph of a lake at sunset. The sky is filled with warm, golden light, and the sun is low on the horizon, casting a bright glow over the snow-capped mountains in the background. The water is calm, reflecting the golden light of the sunset. In the foreground, several wooden canoes are docked at a wooden pier on the left side of the lake. The overall mood is peaceful and serene.

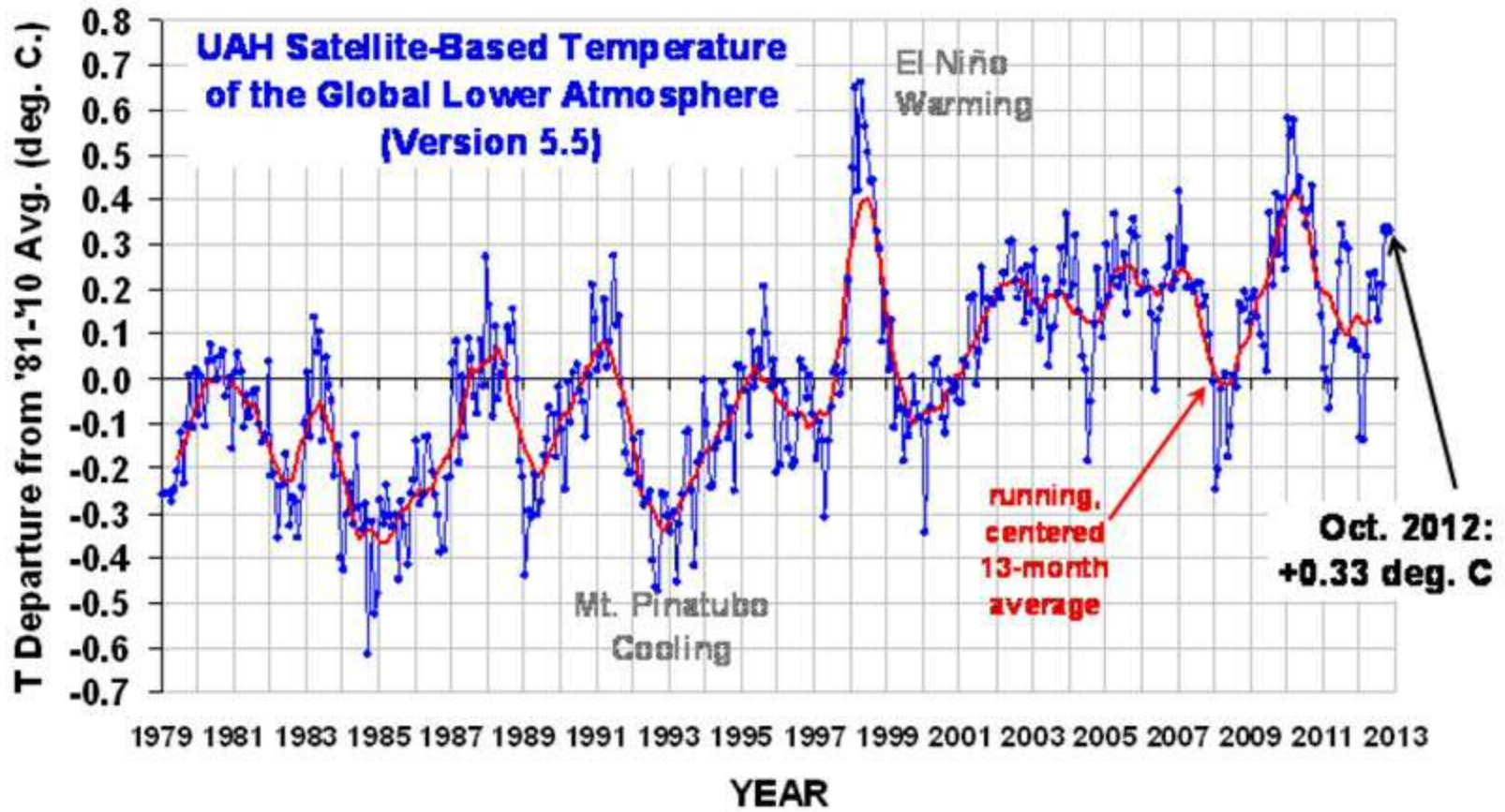
**Thank
you !**

by Chong-Pin Lin
1976
Glacier Nat'l Park, MT



Dr. Roy Spencer, University of Alabama in Huntsville, formerly with NASA

Plotting as October 2012



Solar Cycle Intensity Began to Fall Since Cycle 22

