

THE TEAM has done a great job for Evidence News 3 09, and you will find some great meat and some probing comments to pursue in this issue. GOOD NEWS for those of you in the USA and CANADA as the new Darwin on the Rocks DVD is now available from our offices in your countries, and can be ordered via www.creationresearch.net HOME PAGE today. Now read on and enjoy the articles from our worldwide team in Creation Research.

INDEX

- [1. HIGH CO2 MADE FOR GIANT SNAKE](#)
- [2. NOW AVAILABLE USA AND CANADA "Darwin on the rocks DVD"](#)
- [3. "ALTERNATE WARMING..."](#)
- [4. MEDIEVAL WARM PERIOD WAS NATURAL](#)
- [5. HILARY ON THE GLOBAL CRISES](#)
- [6. COLDEST WINTER IN 500 YEARS](#)
- [7. ALASKA SEA ICE INCREASED](#)
- [8. LOST: ENOUGH ICE TO COVER CALIFORNIA](#)
- [9. MANMADE CLIMATE MESSAGE "LOSING GROUND"](#)
- [10. SHIFTING WINDS RELEASE OCEAN CARBON DIOXIDE](#)
- [11. IPCC REPORT SUBSTITUTES UNPROVABLE HYPOTHESIS FOR TRUTH](#)
- [12. EARTH UNDERGOING NATURAL CLIMATE SHIFT](#)
- [13. GLORY BE, IT'S A LONG SOLAR MINIMUM](#)
- [14. DONATIONS TO HELP CREATION RESEARCH WORLDWIDE](#)

1. HIGH CO2 MADE FOR GIANT SNAKE based on new fossil find according to reports in EurekAlert and BBC News 4 Feb 2009, and Nature, vol. 457, p715, 5 Feb 2009. A team of scientists led by Jason Head (University of Toronto at Mississauga, Canada), have found fossilised bones of a giant snake in the Cerrejon Formation of northeastern Columbia, dated at 58-60 million years old. Labelled "Titanoboa cerrejonensis", the fossil has "a body length of 13m (42.7ft) and a mass of 1,135kg (2,500lb), making it the largest known snake." Researchers estimated the size and weight of the snake by comparing its vertebral bones with bones from present day snakes of known size and weight. The longest living snakes are reticulated pythons, known to grow to 10m (32ft), and the heaviest known snakes are Green Anacondas, which can weigh up to 250kg (550lbs).

There is much speculation about how a snake could grow this large. Head's team suggest it was because the snake lived in the "hot Paleocene neotropics with high concentrations of atmospheric CO2". David Polly, one of the researchers, told the BBC "A snake living in the tropics would have been operating at a much higher metabolic rate. So snakes had the opportunity to evolve and grow as big as this one did in a way that they probably wouldn't today." He also suggested that as the earth gets warmer cold blood animals could be expected to evolve larger bodies. Other scientists are not so quick to make the link with global warming. Matthew Huber, a climatologist from Purdue University, Indiana, questioned whether the link between size and temperature was "generalisable and accurate". He went on to say: "Head and colleagues' findings are the result of probably the first study in 'snake palaeothermometry', and as such must be viewed with caution." The EurekAlert article ends with this summary of giant animals: "Evolution has produced a wide variety of gigantic animals over the last several hundred million years – dinosaurs, ancient dragonflies, and today's blue whale, to name a few; but why some species lineages produce monsters remains a matter of debate among evolutionary biologists and ecologists."

BBC: <http://news.bbc.co.uk/2/hi/science/nature/7868588.stm>

EurekAlert: http://www.eurekalert.org/pub_releases/2009-02/qmuo-lps020209.php

ED. COM. Like most reptiles, snakes are capable of growing throughout their lives, provided they are free of disease and stress, have sufficient nutritious food, and live in a warm environment without extremes of temperature. Where would you get such a perfect environment? In the original "very good" world created by God, where even after Adam's

rebellion, yet prior to Noah's flood, human beings lived for very long times (see Genesis 5), so it is reasonable to suppose that animals could also have had long life spans. This meant any animals capable of growing throughout their lives had plenty of time to grow very large. Instead of being the hottest snake, this fossil may have been the longest lived snake ever found. The fact that extra CO₂ has been suggested is just a plus and a reminder that CO₂ is not the hazard politician's claim. (Ref. herpetology, serpents, giants)

2. NOW AVAILABLE USA AND CANADA "Darwin on the rocks DVD". You will see why the media have labelled John Mackay 'The crocodile hunter of creation' as he and the team travel across creation uncovering all the evidence. Suitable for high school age and above as deals with creation of sex, as well as how rocks and fossils formed catastrophically and the best evidence against evolution.

The DVD's message is simple - God's Word can be trusted from cover to cover. Get yours now and share it around – it is designed for doubters and skeptics. One man was so enthused he commented, "it is the best DVD I have seen from Creationists," and gave a large donation towards the next part due for release in November. Order on www.creationresearch.net home page.

3. "ALTERNATE WARMING and cooling has occurred about every 27 yrs since 1470AD, well before atmospheric CO₂ began to increase," wrote Geology Prof Don Easterbrook (2 Nov 2008), for Goba Research. Easterbrook is Professor Emeritus of Geology at Western Washington University, Bellingham (USA) and has correlated historical records of climate cycles with data from the Greenland Ice Core, the Pacific and North Atlantic Oscillations and sunspots, and predicatively concludes the earth is entering a period of cooling that could last almost 30 years. Easterbrook's work was published by Global Research Jan 17 2009 just as winter took a turn for the worse in the Northern Hemisphere.

Easterbrook concludes: "Global warming (i.e, the warming since 1977) is over. The minute increase of anthropogenic (man made) CO₂ in the atmosphere (0.008%) was not the cause of the warming—it was a continuation of natural cycles that occurred over the past 500 years. The PDO cool mode has replaced the warm mode in the Pacific Ocean, virtually assuring us of about 30 years of global cooling, perhaps much deeper than the global cooling from about 1945 to 1977. Just how much cooler the global climate will be during this cool cycle is uncertain. Recent solar changes suggest that it could be fairly severe, perhaps more like the 1880 to 1915 cool cycle than the more moderate 1945-1977 cool cycle. A more drastic cooling, similar to that during the Dalton and Maunder minimums, could plunge the Earth into another Little Ice Age, but only time will tell if that is likely."

Easterbrook: <http://www.globalresearch.ca/index.php?context=va&aid=10783>

ED.COM. When this editor arrived at Heathrow airport UK early February 09, in the middle of the worst snow falls in 27 yrs according to the UK media, we found Easterbrook's work very relevant. We then asked older folks in England and Wales when the last big snow and cold occurred in their area and their answers also agreed with Easterbrook. For a tragic comparison the last big batch of killer bush fires to spread across 3 states of Australia were in 1983 – 26 years ago. Easterbrook has been brave enough to put his head on the block when he makes the testable prediction that we will have cooling for the next 30 years or so. Now we can sit back and watch if the politicians let us.

Those who have endured the two recent freezing cold winters will have no problem believing global cooling is here, but Easterbrook's work reminds us of the importance of looking at the big picture and learning from history. By doing this Easterbrook puts the recent warm period in its proper place, and shows there are bigger forces at work than human activity. However, we suspect politicians will continue to believe the man made climate change activists, as they need an excuse to impose a global tax system and carbon tax is their best opportunity in ages. It will be an invidious irony if they have to spend them on coping with disasters, food

shortages and increased energy needs caused by cold weather - but will they then refund the Tax? (Ref. weather, temperature, environment)

4. MEDIEVAL WARM PERIOD WAS NATURAL, according to an article in New Scientist, 2 Apr 2009 and Science, vol. 24, p78, 3 Apr 2009. The "Medieval Warm Period" extended from the ninth to the fourteenth century AD. Following that the climate rapidly cooled to the "Little Ice Age" that lasted to the nineteenth century. A group of climate scientists have studied tree rings Morocco and stalactites in Scotland to reconstruct the climate over the last thousand years in Britain, Europe and North Africa. They concluded that during the warm period there was an intensification of the North Atlantic Oscillation (NAO) associated with increased circulation of warm ocean currents in the North Atlantic resulting in more warm westerly winds blowing over these regions. The researchers collated climate data from other parts of the world and used computer models to come up with a hypothesis of why the ocean currents and winds changed. They suggest there was a La Nina, or cool region, in the tropical western pacific at the same time, and this combined with the increased NAO set up a positive feedback loop that kept the warm period going for five centuries.

The New Scientist article claims the study "scuppers one of the favourite arguments of climate-change deniers" because it "means the medieval warm period was mainly a regional phenomenon caused by altered heat distribution rather than a global phenomenon." The original report in SCIENCE makes no such claim, but concludes "The persistent positive phase reconstructed for the MCA (Medieval Climate Anomaly) appears to be associated with prevailing La Nina-like conditions possibly initiated by enhanced solar irradiance and/or reduced volcanic activity and amplified and prolonged by enhanced AMOC (Atlantic meridional overturning circulation). The relaxation from this particular ocean atmosphere state into the LIA (Little Ice Age) appears to be globally contemporaneous and suggests a notable and persistent reorganization of large-scale oceanic and atmospheric circulation patterns."

New Scientist: <http://www.newscientist.com/article/dn16892-natural-mechanism-for-medieval-warming-discovered.html>

ED. COM. The twist given by the New Scientist article to the above data is a classic example of the fallacy of peer review publishing. The changes in climate at the beginning and end of the Medieval Warm Period was as great as recent changes in climate, but the original authors in SCIENCE admit they were caused by changes in solar irradiance, volcanic activity, ocean currents and winds. These are all natural phenomena and they are all still happening, so it is inconsistent to blame the recent climate changes on human activity. We tend to agree with one New Scientist letter to the editor which suggested "readers will start to think of the magazine as Green Scientist" because it pushes the green political agenda. (New Scientist Letters, 1 Nov 2008, p20) (Ref. history, weather, politics)

5. HILARY ON THE GLOBAL CRISES, reported in the UK Guardian, 21 Feb 2009. During her visit to China Hilary stated that the United States and China should cooperate with one another to lead the world out of the global economic crisis. She was criticised by Amnesty International for not pressing the Chinese government over human rights, Taiwan and Tibet. In response she said: "We have to continue to press them... But our pressing on those issues can't interfere with the global economic crisis, the global climate change crisis and the security crises. We have to have a dialogue that leads to an understanding and cooperation on each of those."

Guardian: <http://www.guardian.co.uk/world/2009/feb/21/hillary-clinton-china-economy-human-rights>

ED. COM. Global cooperation to save the world from global crises with the proviso that human rights will not be allowed to interfere with inter government cooperation sounds rather like one world government. Particularly when you add the realisation that the ICC has for the

first time in March 2009, issued an indictment of a ruling head of state, and proudly proclaimed that this is the first step towards a single world court. Of course that was the day before the Dafurian African dictator threw out all western aid agencies and so the people in Darfur are now suffering even more. Add to that the USA Govt's March declaration they are now willing to accept a global currency and the scene is set.

<http://www.telegraph.co.uk/finance/economics/5050407/US-backing-for-world-currency-stuns-markets.html> (Ref. politics, economics, globalism)

6. COLDEST WINTER IN 500 YEARS was described in New Scientist, 7 Feb 2009, p46 which reported that on January 6, 1709 the temperature plummeted from Scandinavia to Italy - from Czechoslovakia to the west coast of France, and everything turned to ice. The sea froze. Lakes and rivers froze, and the soil froze to a depth of a metre or more. Livestock died in their barns, chicken's combs froze and fell off, trees exploded and travellers froze to death on the roads.

Off Italy's west coast, sailors aboard English men-of-war died from the cold. One of England's most meticulous meteorological observers William Derham wrote, "I believe the Frost was greater (if not more universal also) than any other within the Memory of Man". 1709 holds the record as the coldest European winter of the past half-millennium. It was the climax of a period known as the "Little Ice Age" which began in the 14th Century AD and extended to the 19th Century AD.

No-one really knows what caused the extreme cold but it seems the sun's output was low, and there were some large volcanic eruptions 1707 and 1708, including Mt Vesuvius, Mt Santorini and Mt Fuji that would have sent large amounts of dust into the atmosphere. Dennis Wheeler, a climatologist at the University of Sunderland, UK, is working with the E.U.'s Millennium Project, which aims to reconstruct the past 1000 years of Europe's climate. Wheeler is using records of wind and weather from the Royal Navy. So far he has found some unexpected results. Cold weather in Europe usually results from freezing winds blowing in from Siberia in the east, but Wheeler found a predominance of southerly and westerly winds and many storms – conditions that normally bring milder weather. Wheeler commented: "This combination of cold, storms and westerlies suggests some other mechanism was responsible for that winter." He went on to say: "We need to explain the natural variation in climate over past centuries so that we can tease apart all those factors that contribute to climate change. But before we can do that we need to nail down those changes in detail. Climate doesn't behave consistently and warmer and colder, drier and wetter periods can't always be explained by the same mechanisms."

<http://www.newscientist.com/article/mg20126942.100-1709-the-year-that-europe-froze.html>

ED. COM. The Little Ice Age was preceded by a period known as the "Medieval Warm Period", which was warmer than the current warm period, but no-one was driving cars or generating electricity then. We do need to understand the natural variations in climate, but we also need to have the humility to admit that there are many forces at work that we cannot control (or tax), such as volcanoes, wind, sunspots, and God. We should then get on with being good stewards of the things God gave us dominion over, and put our trust in the Creator who can control these greater forces. (Ref. weather, environment, history)

7. ALASKA SEA ICE INCREASED in March to greater than 1979 levels or didn't you read that in the secular media. Our correspondent in Alaska sent us the Satellite Pics from the Snow and Ice Data Center Boulder Colorado with the same query and the comment "Polar bears should have no problem at all".

8. LOST: ENOUGH ICE TO COVER CALIFORNIA, according to the National Snow and Ice Data Centre (NSIDC) 18 Feb 2009 and Bloomberg.com 20 Feb 2009. The extent of ice covering the Arctic Ocean in January and February 2009 was underestimated by about

500,000 square kilometres (193,000 square miles), an area about the size of California, due to a problem with one of the satellite sensors used to monitor the ice. The problem was 'sensor drift' and NSIDC scientists were alerted to it when "puzzled readers" asked NSIDC about reports that showed ice covered areas as open ocean. NSIDC has since recalculated the sea ice extent using data from another satellite and is conducting a quality control check. The centre also said "There is a balance between being as accurate as possible at any given moment and being as consistent as possible through long time-periods. Our main scientific focus is on the long-term changes in Arctic sea ice."

Bloomberg: <http://www.bloomberg.com/apps/news?pid=20601110&sid=ale9swvOqwIY>
NSIDC: <http://www-nsidc.colorado.edu/arcticseaicenews/2009/021809.html>

ED. COM. The experience of NSIDC's "puzzled readers" shows there is nothing like the direct observations of people who are there to get an accurate record of what is really happening. Nevertheless, NSIDC are right about the importance of keeping the big picture in mind, and their records are a good illustration of the big picture of sea ice. As more and more catastrophic predictions about the world drowning from melting sea ice, NSIDC's records show that sea ice undergoes regular cycles of melting and freezing and after thirty years of records the sea ice is back to being the same as it was in 1979, when the records begin. For more information on this see "Back to 1979 Levels for Sea Ice," Evidence News 4 Feb 2009 in the Evidence News archive on <http://www.evidencweb.net>. (Ref. polar, climate, mapping)

9. MANMADE CLIMATE MESSAGE "LOSING GROUND" according to a recent survey of American attitudes to global warming reported by Gallup Poll, 11 Mar 2009 and OneNewsNow, 16 Mar 2009. The Gallup Poll survey found a "record-high 41%" of those surveyed believed the seriousness of global warming was exaggerated. The survey also found "fewer Americans believe the effects of global warming have begun to occur. The figure is now 53%, down from 61% in March 2008. At the same time, a record-high 16% say the effects will never occur." The survey also asked about concern about other environmental issues, such as pollution of water, air and soil and availability of fresh water, loss of forests and endangered species and found: "Not only does global warming rank last on the basis of the total percentage concerned, but it is the only issue for which public concern dropped significantly in the past year."

Gallup Poll summed up the survey results as follows: "Americans generally believe global warming is real. That sets the U.S. public apart from the global-warming sceptics who assembled early March in New York City to try to debunk the science behind climate change. At the same time, with only 34% of Americans saying they worry "a great deal" about the problem, most Americans do not view the issue in the same dire terms as the many prominent leaders advancing global warming as an issue." However, OneNewsNow comments that the survey results really indicate that more people are aligned with the New York conference that the Gallup Poll scoffed at. This conference, run by Heartlands Institute, attracted over 750 people – more than twice as many who attended last year, in spite of being totally ignored by the media. Mark Morano, one of the 70 speakers at the conference commented: "The only place where this alleged climate catastrophe is happening is the virtual world of computer models." (Quoted in New Scientist Soundbites, 14 Mar 2009, p10.)

Gallup Poll: <http://www.gallup.com/poll/116590/Increased-Number-Think-Global-Warming-Exaggerated.aspx>

OneNewsNow: <http://www.onenewsnow.com/Culture/Default.aspx?id=450780>

Heartlands Institute conference: <http://www.heartland.org/>

ED. COM. The old saying about not fooling all of the people all of the time seems to be coming true about climate change. It seems many members of the general public are smart enough to discern the difference between observed changes in climate and the unproven claim that human activity caused them. It is about time the politicians started taking notice or

they may find themselves and their carbon taxes voted out. Gallup Poll was wrong about the purpose of the Heartlands Institute New York conference - it was not to "debunk the science behind climate change" - it was to critically analyse claims made by politicians and journalists who pick and choose which scientific results suit their agenda and ignore those that don't suit them. (Ref. opinions, politics, anthropogenic)

10. SHIFTING WINDS RELEASE OCEAN CARBON DIOXIDE, according to a report in ScienceDaily, 13 Mar 2009. Many scientists believe the dramatic climate shift involved in ending the last ice age, usually dated as being around 17,000 years ago, occurred due a change in the earth's orbit. Ice core records show an increase in atmospheric carbon dioxide occurred at the end of the ice age. Scientists at the Lamont-Doherty Earth Observatory, Columbia University suggest the orbital change caused westerly winds in the Southern Ocean to be displaced southwards where they caused heavy mixing in the ocean around Antarctica, which released dissolved carbon dioxide from the water into the air.

Geochemist Robert Anderson explained: "The faster the ocean turns over, the more deep water rises to the surface to release CO₂. It's this rate of overturning that regulates CO₂ in the atmosphere." This theory was put forward two years ago by J. R. Toggweiler, a scientist at the National Oceanic and Atmospheric Administration (NOAA). The Columbia University scientists tested the theory by studying sediments from the bottom of the Southern Ocean to measure the rate of overturning. Upwelling of deep water also brings nutrients to the surface, which causes an increase in phytoplankton. The Columbia University scientists compared phytoplankton spikes in sediment cores with ice core records and "realized the added upwelling coincided with hotter temperatures in Antarctica as well as rising CO₂ levels." It seems that in the last 40 years the winds have shifted south much as they did at the end of ice age 17,000 years ago. J. R. Toggweiler commented "Now I think this really starts to lock up how the CO₂ changed globally. Here's a mechanism that can explain the warming of Antarctica and the rise in CO₂. It's being forced by the north, via this change in the winds." However, the Columbia researchers still believe that man-made carbon dioxide is the cause of recent global warming. Robert Anderson claims the effects of the current ocean upwelling "will be dwarfed by the accelerating rate at which humans are burning fossil fuels" and said "It could well be large enough to offset some of the mitigation strategies that are being proposed to counteract rising CO₂, so it should not be neglected."

ScienceDaily: <http://www.sciencedaily.com/releases/2009/03/090312140842.htm>

ED. COM. Here is another example of a natural phenomenon not caused by human activity which is causing a change in the climate, yet people want to cling onto the idea that climate change is all our fault. If natural phenomena in the past have caused changes in climate that are more drastic than recent changes, it is foolish to write them off as being dwarfed by modern human activity. Anderson's comment about southern ocean CO₂ offsetting human strategies for counteracting rising CO₂ looks like an excuse to explain the fact that anything we try to reduce the amount of CO₂ is not going to work in the face of natural events that are clearly beyond our control. (Ref. climate, atmosphere, gases)

11. IPCC REPORT SUBSTITUTES UNPROVABLE HYPOTHESIS FOR TRUTH claim Japanese scientists, according to article in The Register, 25 Feb 2009. In a report by the Japan Society of Energy and Resources (JSER) three leading Japanese scientists commissioned to report on climate disagreed sharply with the Intergovernmental Panel on Climate Change (IPCC) 4th Evaluation Report, which claims that atmospheric temperatures will continue to rise as a result of man-made emissions. Instead, the Japanese researchers claim recent changes in the earth's climate are driven by natural cycles. Kanya Kusano is Program Director and Group Leader for the Earth Simulator at the Japan Agency for Marine-Earth Science & Technology criticised the use of computer models as proof of man-made warming, comparing them to ancient astrology before accurate data was available of movements of sun, moon and planets.

According to Kusano there are too many natural phenomena contributing to the climate that we have not be able measure accurately for long enough to be included in the model, e.g. effects of cosmic rays, changes in sun spots and solar irradiance, formation of aerosols and clouds. Kusano concludes: "[The IPCC's] conclusion that from now on atmospheric temperatures are likely to show a continuous, monotonic increase, should be perceived as an unprovable hypothesis." Shunichi Akasofu, head of the International Arctic Research Center in Alaska, commented, "We should be cautious. IPCC's theory that atmospheric temperature has risen since 2000 in correspondence with CO2 is nothing but a hypothesis. Before anyone noticed, this hypothesis has been substituted for truth... The opinion that great disaster will really happen must be broken."

The Register: http://www.theregister.co.uk/2009/02/25/jstor_climate_report_translation/

ED. COM. The popular media and politicians who use the IPCC reports in their warning of impending catastrophes fail to remind the general public that the IPCC predictions are only computer models, and that average world temperature since 1998 has dropped and since 2000 has levelled off. The Japanese scientists remind us that computer models are only as good as the data fed into them, and we don't have enough precise data about many natural phenomena. The solution to this problem is to carry out more research, not promote the computer models which have been proven wrong by a lack of global warming for most of the present decade. (Ref. predictions, weather, meteorology)

12. EARTH UNDERGOING NATURAL CLIMATE SHIFT according to a report in WISN.com, 16 Mar 2009. Scientists at University of Wisconsin-Milwaukee (UWM) have analysed the last century of climate data using a mathematical method named synchronised chaos, that looks at what happens when two or more complex systems move in and out of synchrony. Anastasios Tsonis, one of the researchers, explained: "Imagine that you have four synchronized swimmers and they are not holding hands and they do their program and everything is fine; now, if they begin to hold hands and hold hands tightly, most likely a slight error will destroy the synchronization. Well, we applied the same analogy to climate." He went on to say: "In climate, when this happens, the climate state changes. You go from a cooling regime to a warming regime or a warming regime to a cooling regime. This way we were able to explain all the fluctuations in the global temperature trend in the past century."

The UWM researchers found "the warming trend of the past 30 years has stopped and in fact global temperatures have levelled off since 2001." These results were also reported in an article in Discovery News, 2 Mar 2009, which says: "according to a new study in Geophysical Research Letters, global warming may have hit a speed bump and could go into hiding for decades. Earth's climate continues to confound scientists. Following a 30-year trend of warming, global temperatures have flatlined since 2001 despite rising greenhouse gas concentrations, and a heat surplus that should have cranked up the planetary thermostat."

This led Ken Blanchard to place this article in the South Dakota Politics blog and make the following comments:

"Let's review, shall we?"

1. There has been no global warming for at least eight years, according to these climate scientists. I gather that this is the consensus.
2. During that time, man-made greenhouse gases have been increasing.
3. The climate models on which global warming predict an increase in temperature, contrary to what actually happened.

After some other comments, he concluded: "I predict that this study will be completely uninteresting to the mainstream press."

WISN: <http://www.wisn.com/weather/18935841/detail.html>

Discovery: <http://dsc.discovery.com/news/2009/03/02/global-warming-pause.html>

South Dakota Politics:

http://southdakotapolitics.blogspot.com/south_dakota_politics/2009/03/global-warming-on-hold-.html

ED. COM. Ken Blanchard's prediction seems to be true. The mainstream media continues to publish frightening scenarios of man-made global warming destroying the earth, and politicians plan various ways to make people pay for producing carbon dioxide. The most serious issue is that eight years of non-warming have proven the climate models used to justify the fearfulness and taxes to be wrong. The media and politicians need to humble themselves and admit that climate change is part of the present natural order of things in this world because the Creator and Judge of the world said it would be after He judged the world with Noah's flood (Genesis 8:22). Since then there have been times of cold and heat, but the world will continue until the Lord Jesus Christ comes to judge all mankind and make a new earth (Revelation 22) where there will be no natural disasters and no fear for those who put their trust in Him. (Ref. weather, atmosphere, meteorology)

13. GLORY BE, IT'S A LONG SOLAR MINIMUM reports ScienceDaily 29 Mar 2009, and NASA 20 and 23 Mar 2009, and 1 Apr 2009. NASA is planning to launch a satellite named Glory, which will carry a Total Irradiance Monitor (TIM) – an instrument that measures how much heat is being produced by the sun's rays as they reach the top of the atmosphere. This will add to a number of instruments, including a prototype TIM, that monitors different aspects of solar activity including sunspots, the solar wind and radio emissions. The Glory TIM is much more sensitive than previous instruments that measured solar irradiance. This is important because it only takes a tiny change in solar output to have a profound effect on how much radiation hits the earth. It is estimated that at the depth of a period of very low sunspot activity known as the Maunder minimum in the late seventeenth century, the total solar irradiance only varied by about 0.08 percent over a century. The new instrument will be accurate enough to detect such a change.

Some scientists claim variations in the sun's activity are the main contributor to cycles of global warming and cooling and Glory TIM is coming on board at an interesting time for solar activity. The sunspot cycle is going through an unusually long "solar minimum" with 266 spotless days in 2008 and 78 spotless days for the first three months of 2009. The unusually long runs of spotless days have led the editors of the Space Weather website to add a regular report of the number of spot free days to their daily updates on sunspot number. The last time there was such a low sunspot count was in 1913. 2008 also saw the lowest solar wind measurement since monitoring began in the 1960's and lowest radio emissions since measurements began in the 1950's. However, NASA scientists estimate since the 1970's the amount of solar radiation the sun emitted during times of quiet sunspot activity has increased by nearly 0.05 percent per decade. According to Richard Willson, a researcher affiliated with NASA's Goddard Institute for Space Studies and Columbia University's Earth Institute, "This trend is important because, if sustained over many decades, it could cause significant climate change." He went on to say: "Historical records of solar activity indicate that solar radiation has been increasing since the late 19th century. If a trend, comparable to the one found in this study, persisted throughout the 20th century, it would have provided a significant component of the global warming the Intergovernmental Panel on Climate Change reports to have occurred over the past 100 years."

NASA: <http://www.nasa.gov/centers/goddard/news/topstory/2003/0313irradiance.html>

http://www.nasa.gov/topics/earth/features/glory_irradiance.html

http://www.nasa.gov/topics/solarsystem/features/solar_minimum09.html

For daily updates on sunspots: <http://spaceweather.com/>

ScienceDaily: <http://www.sciencedaily.com/releases/2009/03/090328163643.htm>

ED. COM. We do live in an interesting time for solar activity, and it is good to see someone finally admit the sun has a bigger effect on climate than human beings. It will be interesting

to see what the combination of low sunspots, solar wind and radio emissions brings about, especially as the warming trend stopped at the start of the 2000's and some scientists are predicting several decades of global cooling. Whatever change occurs, it will be foolish to blame people for it, and arrogant to try to think politicians can change climate by more regulations and taxes. Instead, we should be trusting in the Creator God, for whom the sun is a mere tool in His hands, and who can use climate to bless or judge. (Ref. sunlight, weather, heliosphere)

14. DONATIONS TO HELP CREATION RESEARCH WORLDWIDE can be sent to the following addresses or use our secure Web site: www.creationresearch.net and click DONATIONS.

USA: P.O. Box 281 Hartsville TN 37074 (Donations in USA are tax deductible. Make checks to Creation Education Society)

UK: P.O. Box 1 Ashton under Lyne Lancs. OL6 9WW (Donations in UK payable to Creation Research Trust are tax deductible - a Gift Aid Declaration is required - available from <http://www.amen.org.uk/cr/trust/>)

AUSTRALIA: P.O. Box 260 Capalaba Qld 4157

CANADA: Westney Heights Baptist Church 1201 Ravenscroft Rd Ajax Ont. L1T 4K5 NEW

ZEALAND: P.O. Box 40480 Glenfield, Auckland

IF YOU no longer wish to receive our updates please reply with REMOVE EN in the subject. To assist us please include your name as well as e-mail address (and organisation name, if any).