

Evidence News 08/09 5th August 2009 - Climate

WELCOME to what a year for Dinosaurs and to ENEWS with Monstrous EDitorial COMment as we are hard at work in Kentucky USA completing part 3 of the "Darwin on the Rocks" DVD. One uni student advises the Dawkins vs Mackay video has reappeared on youtube and that we did "excellent". Hopefully it's still there by the time you read this so to see what Dawkins left off his UK TV 4 documentary click:

<http://www.youtube.com/watch?v=UJofLHbqgbM&feature=PlayList&p=38845BF763A15E&index=0&playnext=1>

In Kentucky on Tuesday the 4th of August 2009, I am walking around with a jacket on during the middle of summer waiting for Al Gore to notice - must be due to global cooling, so from John Mackay and the Creation Research team worldwide – enjoy.

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To simplify our email process we have decided to do our Evidence News in PDF format for you to download. You need to have Adobe Reader which is freely available from www.adobe.com.

This week's Evidence News Index follows - to view the entire news please click <http://www.creationresearch.net/enews/ENEWS0809-090805-climate.pdf> (if the link doesn't work just copy and paste it into your web browser).

(Please Note: within the PDF file you can click on the Index Line to go directly to the news item.)

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1. DINO DIET CLUES FOUND, according to a Royal Society Press Release, 15 July 2009. Palaeontologists in Utah have found the most complete skeleton of a dinosaur named *Nothronychus graffami*. The creature is classified as therizinosaur, a type of theropod. Theropods include creatures like *T rex* and *Velociraptor* and are considered fearsome carnivores. The new creature has enormous sharp claws but it has a stocky build, with a large abdomen, relatively short legs, a long neck and small head. According to the experts these are characteristics of a plant

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eater and the researchers suggest it used the sharp claws like a scythe to cut plants. After comparing the bones with other therizinosaurs and other therapods they suggested “that predatory villains’ such as Velociraptor could have evolved from ‘less fearsome plant-eating ancestors’”. Another intriguing thing about the dinosaur is that it was found among sea shells. It was a surprise to Dave Graffam, who discovered the first bones whilst looking for sea creatures in “marine rocks which would have been almost 100 miles from the nearest shore line.” He believes it was preserved when it “stranded at sea and struggled for a few days before drowning and sinking to the bottom”. Palaeontologist Alan Titus has dated the dinosaur to “almost exactly 92.5 million years ago” using the marine shellfish it was buried with.

Royal Society: <http://royalsociety.org/news.asp?year=&id=8675>

ED. COM. Creatures that started vegetarian and became carnivores are no problem for Biblical Creationists. Genesis states all animals started out eating plants, (Genesis 1: 29-30) but after the flood and by the days of Job when the world had become a much harsher place subject to biblically recorded drought/snow/hail etc, scavengers and predators are listed. This did not involve any evolution, just a change in how the creatures used whatever teeth and other appendages they already had. As the researchers who studied this dinosaur admit sharp claws and teeth do not necessarily make an animal a killer.

Furthermore, this is not the first dinosaur to be found among sea shells and other sea creatures, but the story of drowning, sinking to the bottom and being slowly covered does not fit the evidence and it raises the questions; “What was a lumbering plant eater doing 100 miles out to sea?” and “How did the dead body avoid being eaten and scattered by scavengers while it was waiting to be covered in sediment?” It is far more likely it was swept up in a catastrophic flood mixed with debris from the sea floor and then dumped and buried deeply. (Ref. reptiles, catastrophe, vegetarian)

SEE A WORLD OF CATASTROPHIC FOSSILS – get your copy of the “Darwin on the Rocks” DVD. We take you worldwide to see such dino remains as in the above report, so you can see for yourself this type of fossil is the norm – not the exception. See free preview online – www.creationresearch.net HOME PAGE – click DARWIN ON THE ROCKS.

2. DINOSAUR CELLS SEEN, according to articles in BBC News 30 June 2009 and New Scientist, 4 July, p8. Researchers at University of Manchester are studying a remarkably well preserved dinosaur that includes fossilised remains of skin and tendons. Soft tissues like these are rarely fossilised because even if an animal is buried whole, bacteria break down these tissues. The scientists believe this dinosaur, this Hadrosaur nicknamed “Dakota” was buried rapidly in a low oxygen environment. Because of the good preservation the researchers have been able to examine thin slices of the skin under a microscope and see cell-like structures. They also observed “the cellular structure of the dinosaur's skin was similar to that of dinosaurs' modern-day descendants.” The skin was organised into two layers – a surface epidermis over a layer of dense fibrous tissue, just like crocodiles, birds and other living creatures today. They did not find any intact proteins, but they did find amino acids, the building blocks of proteins, in the fossil.

BBC: <http://news.bbc.co.uk/2/hi/science/nature/8124098.stm>

ED. COM. We are pleased to see scientists admitting such fossilisation requires rapid burial in a low oxygen environment. We have been saying this for many years. Now we would like the scientists to admit that such rapid, deep burial of a very large creature, such as this dinosaur, will only happen in a large catastrophic event. Since all fully terrestrial vertebrates have skin consisting of epidermis overlaying a dermis layer of dense fibrous tissue, the similarity of dinosaur skin to living crocodiles and birds is therefore no evidence for any evolutionary connection between these creatures and dinosaurs. (Ref. reptiles, preservation, histology)

3. QUESTION ABOUT DNA – one reader asks: Evolutionists argue that DNA is evidence that we all came from a common ancestor. We argue that it is evidence of a common designer (one God). I don't know enough about biology, but maybe Diane Eager could look at this question - I was wondering if another reason for all plants and animals having DNA is that they can become other

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animals and humans' food. That is our body will digest an animal, or fruit and vegies (which all have DNA) but it will not digest a rock (on DNA). Could that be part of the reason?

ANSWER FROM Dr. Eager - There is a grain of truth in this idea, but it is not so much DNA but the building blocks that make it. Our digestive systems break down large molecules like DNA, carbohydrates and proteins to small molecules such as amino acids, purines, glucose, etc. These are small molecules but are more complex than simple molecules found in rocks, sand and dust. Even though we do need simple minerals in our diet, e.g. salt, it would take a lot of energy if our bodies had to make proteins etc. out of things like phosphates, carbonates, nitrates, etc. Therefore, the Lord made plants to build the biological molecules out of raw materials, using sunlight as the power source. It is a marvellous system the more you think about it.

4. CANADIANS DON'T MISS John Mackay and Vance Nelson at the Muskoka Baptist Convention Ontario August 23rd – 28th. Contact: Dave Armstrong (705) 789 0123 Fax: (705) 789 6668, Email: mbc@mbc.on.ca. Plan now to attend for the week.

5. DINOSAUR PROTEINS FOUND, according to articles in Science, vol. 324, p626 and ScienceDaily 1 May 2009, and Fossil Science 3 May 2009. A team of researchers led by Mary Schweitzer of North Carolina University have analysed material extracted from a hadrosaur bone that had been deeply buried in sandstone. The researchers were very careful to protect the bone from outside contamination and then used advance chemical analysis techniques to see if there was any protein remaining inside the bone. The research team found fragments of collagen, a tough fibrous protein found in bones, skin and connective tissues, and laminin, a fine meshwork-like protein that helps hold cells and other tissue structures together. They also found structures resembling bone cells and blood vessels. Chemical analysis of the collagen showed it contained hydroxyproline – an amino acid that is not made by microbes, indicating the protein came from the bone, not from contamination of the sample. Schweitzer had found similar collagen fragments in a T rex bone, but this discovery was met with much scepticism because dinosaur bones are dated as being millions of years old and observed rates of protein degradation indicate that even the toughest proteins have broken down within 100,000 years. The hadrosaur bone was dated as being 80 million years old. The researchers concluded: "The most parsimonious explanation, thus far unfalsified, is that original molecules persist in some Cretaceous dinosaur fossils. Still unknown is the chemistry behind such preservation."

ScienceDaily: <http://www.sciencedaily.com/releases/2009/04/090430144528.htm>

Fossil Science: http://www.fossilscience.com/research/Proteins_soft_tissue_from_80-million-year-old_dino_support_theory_that_molecules_preserve_over_time.asp

ED. COM. There is a simpler explanation that is more in accordance with the actual facts concerning observed protein break down rates - i.e. the fossils are not that old which would also mean there is no need to postulate an entirely ad hoc protein anti ageing chemistry. But because the researchers have a strong belief that the millions of years are fact, they have to argue that any observed degradation rate of proteins must be put aside to accommodate their believed vast time spans. It's a good example of what acceptance of evolution does to otherwise intelligent people.

Of course to accept that the proteins haven't been there a long time would fit with the Biblical history of the world, which indicates dinosaurs were buried at most thousands, rather than millions of years ago. (Ref. time, biochemistry, palaeontology)

6. CREATIONISM VS SCIENCE ONLINE as one University student gets permission to do a Thesis on the subject – so we have posted our reply online – great for teachers and students alike - just see www.creationresearch.net HOME PAGE look for "CREATIONISM AND SCIENCE Uni Student interview with John Mackay".

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7. DINO BONE PROTEIN CONFIRMED, according to an article in Science Daily, 29 July 2009. In 2007 a group of researchers claimed they had identified seven peptides (protein fragments) in a well preserved *T rex* bone. There was some dispute about these results as proteins are known to degrade so fast that within thousands of years they would have disappeared, but dinosaurs are believed to have died out many millions of years ago. Some critics claimed the protein remains were the result of contamination with modern day proteins, so the researchers have now re-analysed the material and concluded: "In summary, we find nothing obviously wrong with the *Tyrannosaurus rex* [analysis from 2007]. The identified peptides seem consistent with a sample containing old, quite possibly very ancient, bird-like bone, contaminated with only fairly explicable proteins. Hemoglobin and collagen are plausible proteins to find in fossil bone, because they are two of the most abundant proteins in bone and bone marrow."

Science Daily: <http://www.sciencedaily.com/releases/2009/07/090729103737.htm>

ED. COM. If there was nothing wrong with their chemical analysis we await eagerly for them to come to grips with the clash between known rate of protein decay and the belief that *T rex* died out 70 million years ago. Either these peptides have defied the observed protein decay rate, or the bone is not millions of years old. Such finds are little problem for Biblical creationists, whose world view would have the first dino remains being quickly buried for the first time during the flood of Noah at the earliest, and in any catastrophic event since then which occurred before dinosaur extinction. (Ref. time, chemistry, reptiles)

8. DINOSAUR DIGIT DILEMMA described in Nature News and BBC News 17 June 2009, and Nature vol. 459, p940, 18 June 2009. If theropod dinosaurs evolved into birds their upper limbs had to change into wings, but studies of their hand bones indicate their finger bones are different from those of birds. Birds do not have fingers, but during embryological development five growth centres appear as if they were going to grow into a hand, but only numbers 2, 3 and 4 keep growing, and these fuse together to form the end of the wing. Palaeontologists believe dinosaur hands developed from digits 1, 2 and 3 so there had to be some kind of shift in the pattern of development during evolution. Chinese palaeontologists have now found a dinosaur they claim is the link in the evolutionary chain from dinosaur to bird hand because it seems to have "a reduced first digit and a metacarpal (lower finger bone) at the base of the second digit that matches those found at the base of the first digits in tyrannosaurids and dromaeosaurids."

The fossil was found in Jurassic rocks of the Junggar Basin in western China, and has been named *Limusaurus inextricabilis*. It is dated as 156 to 161 million years old and is considered to be an early theropod, i.e. an ancestor of the dinosaurs that are believed to have evolved into birds. James Clark of George Washington University, one of the researchers who studied the fossil described it to BBC News: "It's a really weird animal - it's got no teeth, had a beak and a very long neck, and very wimpy forelimbs." He and his colleagues suggest theropod dinosaurs actually "had digits 2, 3 and 4, but that these have long been misidentified as digits 1, 2 and 3". Kevin Padian, palaeontologist at the University of California, Berkeley commented: "I think it far more likely that this new animal just has an oddly reduced hand." He went on to say: "It is equally reasonable that we are just dealing with another odd possibility of evolution."

BBC: <http://news.bbc.co.uk/2/hi/science/nature/8105513.stm>

ED. COM. James Clarke's and Kevin Padian's comments together probably best explain the unusual hands of this dinosaur. Its forelimbs seem to be disproportionately small and weak for its body size, which means they could be the result of a defect in development and the hands are deformities rather than the norm for this kind of dinosaur. Dinosaurs with other types of disease processes such as arthritis and cancer have been found, so it is quite possible that some dinosaurs suffered from developmental defects. Whatever the explanation, this creature was very clearly a dinosaur and not a bird, and the only reason anyone would think it had any connection with birds is a prior belief that dinosaurs turned into birds. (Ref. reptiles, aves, embryology, teratology)

9. NOTABLE QUOTABLE: JOHN STOTT SAYS, "...several forms of pre-Adamic 'hominid' may have existed for thousands of years previously. These hominids began to advance culturally. They

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made their cave drawings and buried their dead. It is conceivable that God created Adam out of one of them. You may call them homo erectus. ... But Adam was the first homo divinus, if I may coin a phrase, the first man to whom may be given the Biblical designation 'made in the image of God'. Precisely what the divine likeness was, which was stamped upon him, we do not know, for Scripture nowhere tells us. But Scripture seems to suggest that it includes rational, moral, social, and spiritual faculties which make man unlike all other creatures and like God the creator, and on account of which he was given 'dominion' over the lower creation."

John Stott, *Understanding the Bible: Expanded Edition*; 54-56)

[Original edition: Scripture Union, London (1984), pp. 48f.]

ED.COM. Amazing what so called evangelical leaders believe isn't it?

10. AUSSIE CLIMATE CLUES FROM DINO BURROWS, according to articles in fossilscience.com and BBC News 10 July 2009. Two years ago Anthony Martin, a palaeontologist at Emory University and colleagues found bones of a small adult dinosaur and two juveniles in a fossilised burrow in south western Montana. The dinosaur was named *Oryctodromeus cubicularis*, meaning "digging runner of the lair" and was dated as 95 million years old. Martin is a specialist in trace fossil (tracks, burrows, etc.) and has now found three more burrows in Victoria, Australia that are very similar to the *O. cubicularis* burrows. The burrows are twisted, and the largest and best preserved turns twice before ending in a larger chamber. It is more than 2.1m (6ft 4in) long and Martin suggested an animal around 10kg in size would have made each burrow. Twisted burrows help keep predators out and maintain more even temperature and humidity. Martin and colleagues suggest that dinosaurs dug burrows to care for their young and to escape extremes of climate. Martin explained: "This research helps us to better understand long-term geologic change, and how organisms may have adapted as the Earth has undergone periods of global cooling and warming." The Australian burrows are dated at 106 million years, during "one of the last times the Earth experienced global warming, with an average temperature of 68 degrees Fahrenheit - about 10 degrees higher than today," but even then the southern edge of Australia would have experienced cold winters and these new finds indicate dinosaurs burrowed into river banks to shelter from harsh weather.

BBC: http://news.bbc.co.uk/earth/hi/earth_news/newsid_8144000/8144199.stm

Fossil Science:

http://www.fossilsience.com/research/Down_Under_dinosaur_burrow_discovery_provides_climate_change_clues.asp

ED. COM. Send Al Gore a copy – dinos suffered from Global warming – cause please Al? All jesting aside – proving that these burrows were dug by dinosaurs will not prove to be possible without evidence of dinosaurs actually using them. (Ref. reptiles, trace fossils, Cretaceous)

11. PINE TREES WIN FROM HIGHER CO₂ as late press from <http://www.sciencedaily.com/releases/2009/08/090803173246.htm> reports 'Higher Carbon Dioxide May Give Pine Trees A Competitive Edge' with promo blurb: "Pine trees grown for 12 years in air one-and-a-half times richer in carbon dioxide than today's levels, produced twice as many seeds of at least as good a quality as those growing under normal conditions."

ED.COM. WE PREDICT that such experiments using all plants should show such an increase in benefit to most plants.

12. UNFORESEEN ADVANTAGES OF CO₂ FOUND, according to a report in Science Daily, 1 June 2009. Scott Denning, a physicist from Colorado State University, and his colleagues in the North American Carbon Program (NACP) are devising methods of tracking carbon dioxide levels all over the North America using monitors on cell phone and air traffic control towers. As the results are collected they have "discerned and confirmed the unforeseen advantages of rising carbon dioxide levels." Denning commented: "Stuff is growing faster than it's dying, which is weird."

Science Daily: http://www.sciencedaily.com/videos/2007/0603-can_carbon_dioxide_be_a_good_thing.htm

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ED. COM. These findings may seem weird to a physicist, but they should be no surprise to biologists and geologists. Carbon dioxide is one of the essential raw materials plants use to make food for themselves and in turn feed, clothe and shelter all other living things on the planet. The fossil, rock and sediment records indicate there have been periods when carbon dioxide has been higher in the past, and those periods are associated with abundant lush vegetation. The recent climate change publicity has painted carbon dioxide as a poison, e.g. Richard Branson said "We want to encourage scientists and individuals from around the world to come up with a new way of removing lethal carbon dioxide from the atmosphere. They will not only make history, but preserve history." (*Voyeur*, Virgin Blue in flight magazine, July 2007, p33) Carbon dioxide causes some discomfort at concentrations higher than one percent in the air, and is toxic at around five percent, but at the current concentration of between 0.03 to 0.04 percent it is essential to all life on earth. If it doubled, as the climate alarmists claim it will, WE PREDICT it will be a boost to life on earth, not a death sentence. (Ref. atmosphere, gas, carbon cycle)

13. UK CREATIONIST MICHAEL GARLAND ... recommends the book 'Climate Change Reconsidered', a comprehensive refutation of the UN/IPCC argument for CO₂ driven global warming, available as a free download from:
<http://www.nipccreport.org/aboutReport.html>

I would highlight chapter 3 - a lucid expose of the famous 'hockey stick' graph supposedly demonstrating accelerating 20th / 21st century temperatures as a lesson in how not to do science. I mention the book here because so many 'highly reputable' scientists are, surely, going to have egg on their faces. The take home message that I am going to try to exploit is that science excludes alternative and minority voices to its peril. Indeed we need to make that point because the alternative, post-modernism take on this is that we can't know anything. Science now concerns itself with advocacy when it should be about critical thinking.

From what I've seen this book seems to get so much right. Even the web pages are done superbly, simple navigation with summaries at every heading, the language is simple yet the literature review and citations are awesome - talk about taking the IPCC reports to the cleaners! A reviewer stated: "None of the UN document's principal claims is left standing. No objective reader can walk away from the NIPCC report without realizing how weak the case is for alarm over global warming. Global warming simply is not the crisis so many politicians and activists claim it is. It never was." The book is from the 'Nongovernmental Internal Panel on Climate Change (NIPCC)'.

14. AUSSIE SENATOR'S QUESTION TO GORE during his recent visit to Australia, was a simple question involving the observation that if CO₂ is increasing and world temperature is now decreasing – what's your problem?

ED.COM. Senator Fielding is not the first to ask the question – but he seems to be the first to be so publicly ignored by Gore whose refusal to meet the senator or answer him, gave the media a FIELDDing day, if you can forgive the pun. Gore also refused to publicly answer any question by anyone who was critical of Gore's position – seems the truth was just too inconvenient.

15. EASTER IN GENESIS studies by John Mackay presented at the Warwick Easter Convention 2009 now available free - contact info@creationresearch.net and ask for titles below by name:

- Study 1 Easter Good Friday
- Study 2 Creation to Cross
- Study 3 On the Seventh Day God Rested
- Study 4 This is the Day
- Study 5 Worship the Creator

16. MALDIVE DATA CAUTION as Kiwi expert, Alan Radcliffe, a Licensed Cadastral Surveyor asks: "Your article on the Maldives Not Drowning", in Evidence News 04/09 6th May 2009. (<http://www.creationresearch.net/enews/ENEWS0409-090506FOSSILS.pdf> Item 11), is the first I have seen from you on sea level, and it has set me thinking. The article says the IPCC claim of

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2.3mm/yr sea level rise, presumably for the whole world, or at least the stretch from Hong Kong to the Maldives, was based on a single tide gauge at Hong Kong. I haven't read the IPCC paper that claims this, but I would be amazed if they only used the readings from one gauge. There are hundreds of accurate tide gauges, and many have been operating for up to 100 years. I have looked at Professor Axel-Nils website, and although he is listed as a sea level expert, I cannot see any paper he has written about sea level. Has he personally done any sea level research? I would be wary of his bona fides without knowing of the depth of his sea level research.

I have done some research on sea level here where I live in Gisborne, New Zealand. I obtained the paper charts from the automatic recording tide gauge operated by the Harbour Board for the years 1983 to 1991, extracted annual means, and plotted these on a graph with three other MSL determinations in 1926, 1951 and 1953. A straight line linear regression "fit" was calculated, which produced an annual mean sea level rise here of 2.3mm/year over 65 years. I know Professor John Hannah of the Otago University School of Surveying, and one of his areas of research is sea level rise. He has written two (or more) papers on this, analysing data from four tide gauges in NZ. All of these gauges show long term (80+ yrs) rise rates, being Auckland (0.8mm/yr), Wellington (1.6mm/yr), Christchurch (1.8mm/yr) and Dunedin (1.0mm/yr). My result from Gisborne is not greatly different. Papers I have read on sea level research in other countries indicates long term rise in some places.

It could be that these apparent rises in sea level are caused by sinking of the land rather than rising of sea level. There are now sufficient continuous recording GPS stations here to track changes in land height, and after say 20 years readings have been analysed, it may be possible to determine if the land is sinking over a large area. Do you have any other info on sea level change that might back up the claim by Professor Axel-Nils?"

ED. COM. We have tried to find alternate authoritative sources for the data and claims by Professor Axel-Nils and Morner on the Maldives sea level not rising and at present we have not succeeded so we therefore recommend caution on the original article. Anybody with further independent data please get in touch.

17. GET YOUR ADVANCE ORDER IN NOW – for Darwin on the Rocks part 3 – coming November. REVIEW AND ORDER ONLINE <http://www.creationresearch.net>.

18. COOL CLIMATE CHANGE reports Deroy Murdock of Scripps Howard News Service and media fellow with the Hoover Institution on War, Revolution and Peace at Stanford University, 7 July 2009. In spite of continued dire warnings about global warming, June was an unusually cold month on both sides of the globe. Summer temperatures in Manhattan, Boston, Phoenix, the Yucca Valley (California) and Los Angeles have been the mildest for over a century. In the southern hemisphere unusually cold winters have been reported in Brazil, South Africa and New Zealand. New Zealand's National Climate Centre issued a press release on 2 June headlined: "Temperature: lowest ever for May for many areas, colder than normal for all." Murdock then quotes former U.S. Senate Environment Committee spokesman Marc Morano: "There has been no significant global warming since 1995, no warming since 1998, and global cooling for the past few years," and "The latest global averaged satellite temperature data for June 2009 reveal yet another drop in Earth's temperature . . . Despite his dire warnings, the Earth has cooled 0.74 degrees F since former Vice President Al Gore released 'An Inconvenient Truth' in 2006."

Furthermore fifty years of carbon dioxide research by National Oceanic and Atmospheric Administration's Earth System Research Laboratory at Mauna Loa, Hawaii, show that changes in carbon dioxide levels do not fit with global temperature changes. CO₂ increased from 314.67 parts per million (ppm) in 1958 to 366.87 ppm by 1998. Since then global temperatures stabilised and started to cool, but CO₂ continued to rise to 385.54 in December 2008.

This article was followed by a number of reader comments. Among them reports of rising heating costs, observations on increasing Antarctic ice and not wanting to go back to the Little Ice Age. One insightful comment from a reader identifying himself as "Dr Jay" was: "But who says we know

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what temperature is best for the world and mankind anyway? Only man and his incredible ability to boast of his self-importance would deign to think he possesses that knowledge.” Scripps Howard News Service: <http://www.scrippsnews.com/node/44463>

ED. COM. The disconnect between global temperature and carbon dioxide noted by Murdock is an important one. Previous periods of warming have been associated with rises in CO₂ but it is now known to be equally likely that the warming caused the CO₂ increase. When things are warmer there is more plant and bacterial growth and more CO₂ producing activity in the living world in general.

“Dr Jay” is right in asking the question about what is the right temperature for the world. The best judge of the right temperature for the world and mankind is not man, but the Creator of the world and the human race. Sadly we forfeited the best climate when we began to reject God as Lord over us. God the Creator also said to Noah after the flood (Genesis 8:22), that hot and cold times would be the norm from them until the world ends, so it is not only arrogant to claim that mankind can change what God has decreed will happen, but it means it is totally predictable that the G8 attempts to control world temperature will certainly prove they are not in charge of the climate. (Ref. atmosphere, weather, politics)

19. LITTLE ROOM FOR CO₂ IN CLIMATE CHANGE, according to CNSNews.com 24 July and Baylor University news 27 July 2009. Chris de Freitas of Auckland University, NZ, along with Australians John McLean and Bob Carter, have studied records of lower atmospheric temperatures from 1958 to 2008 and found a strong correlation with natural phenomena including “internal climate-system factors including the El Nino-Southern Oscillation (ENSO) Pacific warming phenomenon and its cooling twin, La Nina” and “intermittent volcanic activity”. In particular they found temperature variations followed ENSO with a lag of about seven months. The researchers concluded: “The sequence of the lagged relationship indicates that ENSO is driving temperature rather than the reverse.” According to De Freitas the ocean oscillations account for about 80% of the temperature variation, leaving “little room for CO₂” as the cause of recent climate changes.

El Nino and La Nina are also believed to have started in the late Tertiary period according to a report in Baylor University news, which says: “The Late Tertiary period is a crucial period in earth history because it represented warm weather conditions immediately prior to the development of extensive northern hemisphere glaciers. It is widely believed this period provides the best available analog for predicting climate changes associated with global warming that the world is presently experiencing.” Researchers at Baylor University have studied a recently discovered “sinkhole lake filled with well-preserved sedimentation and fossils that act as a good record of the Late Tertiary period from four million to seven million years ago” and found “patterns of recurring thicknesses, with repetitions that were four and 24 years apart.” Steven Driese, professor of geology at Baylor University explained: “The 24-year repetition corresponded to Hale sunspot cycles, which can influence weather conditions. The only known mechanism for the three-to-four year cycles is El Niño and La Niña variations in climate.”

CNSNews: <http://www.cnsnews.com/public/content/article.aspx?RsrcID=51517>

Baylor University: <http://www.baylor.edu/pr/news.php?action=story&story=59825>

ED. COM. It is no surprise these two studies show changes in the oceans having a major effect on climate. Water absorbs and holds most of the heat on earth. Therefore changes in the ocean and ocean currents will have much greater effects on the climate than gases in the air. Furthermore, in the air it is water vapour that holds most of the heat, rather than carbon dioxide. The most profound changes in climate described in the Bible are associated with changes in the distribution of water.

In the beginning the earth was surrounded by “waters above” placed there by God on the second creation day, and in the first world, the ground (and all things growing on it) were watered by a daily mist. This produced a lush, fruitful, pleasantly mild environment. At Noah’s Flood there was a catastrophic change in the distribution of water, with masses of water falling from the sky and bursting forth from underground reservoirs. After 40 days and nights of atmospheric filtering by water, huge amounts of CO₂ would also have been removed, all of which made for a massive

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permanent change in the water cycle and the arrival of extremes of seasons after the flood. Volcanic activity with huge amounts of gas activity that began with the breaking of the fountains of the deep to start Noah's flood has also continued. After the flood God promised that regular seasons (summer and winter) and times of heat and cold will continue until the world's end. The world is still here and we will experience times of heat and cold brought about by large forces such as the sun, volcanoes and ocean current that mankind has no control over, but are tools in God's hands. (Ref. oceanography, meteorology, atmosphere)

20. CENTURY OF RECORDS LINKS SUN AND CLIMATE, according to a report in National Science Foundation (NSF) 16 July and Science Daily, 17 July 2009. Gerald Meehl, of the National Center for Atmospheric Research (NCAR) in Boulder, Colorado, and colleagues have analysed sea surface temperature records from 1890 to 2006 and used two computer models to simulate the response of the oceans as the sun's radiation changes. Solar output varies by about 0.1 percent over an eleven year cycle. Their results indicated that as the sun reaches solar maximum it heats cloud free regions of the Pacific Ocean, which increases evaporation, which affects tropical rainfall, and via trade winds and ocean currents, affects weather patterns all over the world. In particular it affects the formation of El Nino and La Nina events which are associated with changes in rainfall on both sides of the Pacific Ocean. Jay Fein, of NSF's Division of Atmospheric Sciences commented: "These results are striking in that they point to a scientifically feasible series of events that link the 11-year solar cycle with ENSO, the tropical Pacific phenomenon that so strongly influences climate variability around the world. The next step is to confirm or dispute these intriguing model results with observational data analyses and targeted new observations." NSF: http://www.nsf.gov/news/news_summ.jsp?cntn_id=115207&org=OLPA&from=news Science Daily: <http://www.sciencedaily.com/releases/2009/07/090716113358.htm>

ED. COM. A variation of 0.1 percent over a period of eleven years may not seem much, but when you consider the relative sizes of the sun and the earth .1% is real huge. Therefore the sun will have far greater affect on climate variability than anything human beings can do. The G8 has not yet recommended controlling the sun or even taxing it, as there is nothing human activity can do about the sun. However, the sun is a mere tool in God's hands and He has promised that there will be regular periods of heat and cold until the end of the world. (Ref. solar, sunspots, oceanography)

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