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1. USA MINISTRY – CATCH CREATION GEOLOGIST Robert Stewart.

Saturday March 28, 2015

10.00am – 6.00pm CST

Upper Cumberland Homeschool and Christian Education Fair

The River Community Church

1200 Miracle Road

Cookeville, TN 38501

Details: Catrina Howell - Email: bobcattn@frontier.com.

Robert will be speaking at 3 breakout sessions and see you at our booth.

2. AUSTRALIANS – JOIN US FOR 4 days of great teaching with the Creation Guy John Mackay [CLICK](#) for details.

3. TWO NEW DVDS AUSTRALIA – Debate Dr Patrick Richards vs. John Mackay: ‘Christians should reject Evolution!’ PLUS ‘The Real History of Germs and Worms’, with free extra content by great UK speaker Dr Alastair Noble on design. ORDER [WEBSHOP](#).

4. SPECIAL AUSSIE CREATION MUSEUM ISSUE [CLICK](#).

5. USA FEATURE [Traveling WV with the Insectman](#).

6. NEW QUESTIONS: NOAH? “What Race was he? What skin colour? Where in the Bible is such information?” [ANSWER](#) by John Mackay.

“Did Darwin turn away from God because of the death of his daughter Annie?” [ANSWER](#) by Diane Eager.

7. LIMPET TEETH ARE TOUGHEST, according to reports in ScienceDaily 17 February 2015 ABC News in Science and BBC News 18 February 2015. Limpets are small marine molluscs with conical shells that graze on algae growing on rocks along the seashore. A team of scientists led by Asa Barber of the University of Portsmouth School of Engineering, have studied the microscopic structure of limpet teeth and found they are made of the strongest natural organic material so far discovered. The research team found limpet teeth were made of a composite of iron rich mineral fibres known as goethite bound together by chitin, a polymer that acts as glue to hold the fibres together. According to Barber, “The strength of the tooth is due to the diameters of the fibres being below a particular size, which is about 60 nanometres, or over a thousand times thinner than a human hair”. A limpet’s teeth are arranged in rows embedded in a structure named a radula. The limpet feeds by scraping the radula over the rock surface and pulling scraped off algae into its mouth. Barber explained: “Limpets evolved strong teeth as the teeth scrape over rock surfaces every day to feed. If the teeth broke easily, then the limpet would not be able to feed and would die – hence evolution selecting the strongest teeth over many years”. He also commented: “Nature is a wonderful source of inspiration for structures that have excellent mechanical properties. All the things we observe around us, such as trees, the shells of sea creatures and the limpet teeth studied in this work, have evolved to be effective at what they do”.

Links: [ABC](#), [BBC](#), [ScienceDaily](#)

ED. COM. Barber’s faith in evolution is truly remarkable, especially as he is an engineer, and should have learnt by experience that chance random processes only destroy things, which is what would have happened if half-evolved limpets didn’t yet have tough teeth, but tried to scrape algae off a rock. How does he think limpets with less tough teeth survived, when he admits limpets with broken teeth would not be able to feed and so would die? Here we see the fallacy of crediting natural selection with the origin of any useful structure. Natural Selection will ensure that limpets that already have teeth sufficiently strong to scrape rocks will survive, but NS cannot produce tough teeth if they don’t. For that you need genes that control the cellular process



that manufacture goethite fibres and chitin, ensuring the goethite fibres are the right thickness and combine them together with chitin in the right way. In other words, you need new information inserted into the limpet’s genome by creative design and intelligent manipulation.

It takes far less faith to believe that the Creator made limpets, complete with tough teeth, along with the radula that holds them and with the nervous system and muscle control to work it, and a digestive system that can cope with the bits of rock that the limpets scrape off along with the algae. Furthermore, if we gain any inspiration from trees, seashells, limpet teeth and other things in the natural world that have excellent mechanical properties, we should give thanks and praise to the Creator who made them, and Who gave us brains to study the world around us and learn from what He made. In fact, the mandate for the scientific

study of the world, and for engineering using materials of the world, was given by the Creator who made human beings in God's image and told them to rule over the earth and the living things in it (Genesis 1:26-28). Don't let anyone tell you the Bible is anti-science. (Ref. design, shellfish, bio-engineering)

8. CHAMELEON COLOUR SURPRISE reported in Science Shots 10 March 2015, ABC News in Science 11 March, and *Nature Communications* doi:10.1038/ncomms7368. Chameleons are reptiles noted for their ability to rapidly change colour. Scientists have previously found that chameleons contain pigment in their skin, and they thought the chameleons changed colour by moving pigment around in their skin cells. A team of scientists in Switzerland have studied the microscopic structure of chameleon skin and were surprised to find the rapid colour changes were due to changes in the light reflective properties of photonic crystals in a layer of skin cells that lie just below the pigment cells.

When a chameleon is calm the crystals are tightly packed and reflect blue wavelengths. The combination of reflected blue light and yellow pigment gives many chameleons a green colour. When the chameleon becomes excited the crystals become looser and reflect yellow and red wavelengths, and the chameleon appears bright yellow or orange. The researchers described this process as "active tuning" of the crystal lattice, i.e. deliberately changing which wavelengths the crystals reflect. The scientists also found a second deeper layer of crystal containing cells, whose crystals are larger and reflect infra-rays, which means it can act as a heat shield. The crystal-containing cells are called iridophores. The research team summarised their findings: "The organization of iridophores into two superposed layers constitutes an evolutionary novelty for chameleons, which allows some species to combine efficient camouflage with spectacular display, while potentially providing passive thermal protection". The ABC article concludes: "Next, scientists would like to figure out the mechanisms that allow chameleons to tune the crystal lattice. Discoveries in the animal world have spawned a field called 'biomimicry'. Engineers often seek to replicate wonders of evolution such as spider's silk and gecko feet for products with commercial or military use".

Link: [ABC](#), [Science Shots](#)

ED. COM. If engineers want to replicate this clever system of colour manipulation we recommend they don't use evolution. Chance random naturalistic processes never made anything, let alone something as clever as photonic crystals. Building and manipulating microscopic crystal structures that reflect specific wavelengths of light requires creative engineering design. By referring to double layer of crystal-containing cells as an "evolutionary novelty for chameleons" what they really mean is the chameleons have this and other creatures don't,



and actually evolution has nothing to do with it! No-one has ever seen a creature with one layer of crystal-containing cells evolve into a creature with two layers. Furthermore, no-one has seen a creature that does not have photonic crystals evolve into one that has them. The unique structure and function of chameleon skin is a reminder that chameleons are a separate kind and there is no evidence they have ever been any other kind. The modern science of photonics, i.e. manipulating light, has led to some very clever inventions over the last few years, which won the (2014) Nobel Prizes for physics and chemistry, but this is the work of intelligent scientists and engineers. If scientists manage to copy chameleon crystals, they may also win a prize, or make money and they will rightly deserve it, but let us all give the glory and honour to the Creator who made the chameleon crystals in the first place. (Ref. lizards, reptiles, nanotechnology)

9. DAWKINS DOWNED AGAIN as Erez Ribak and colleagues from Technion (Israel Institute of Technology) have produced detailed 3D scans of cells named Muller cells that are found in the retina, the light sensitive layer of the eye, and measured what happened to different wavelengths of light shone through them (see report in BBC News 7 March 2015). Muller cells are long cylindrical cells that span the thickness of the retina from front to back. Several years ago Ribak and colleagues suggested that these cells could act like fibre-optic cables conveying light from the front of the retina to the back layer, where the photo-sensitive cells are located. As such they could explain why the retina in vertebrates, including humans, seems to be arranged the wrong way around – "a centuries old puzzle" according to Ribak.

The light-guiding function was not initially accepted by other scientists, but now the Technion team have shown the Muller cells are just the right size and shape to “funnel crucial red and green light into cone cells, leaving blue to spill over and be sensed by rod cells - which are responsible for our night vision”. According to Ribak “This kind of clinched it”. There is still some scepticism about how the vertebrate retina ended up with the photo-receptor cells at the back. According to the BBC, “Mark Hankins, a professor of visual neuroscience at the University of Oxford, admires Dr Ribak’s work but is not convinced that the light funnelling phenomenon is the ‘driving force’ behind the reverse-wired vertebrate eye”. Hankins pointed out that the photoreceptor cells need to be close to a layer of pigmented cells at the back of the eye that clear away debris and worn out cell components and help supply light sensitive molecules. He also pointed out that the squid and octopus eye has the photoreceptors at the front, but it still has Muller cells. Hankins commented: “So Muller cells do plenty of important things other than perhaps functioning as light guides”. However, he did concede Ribak’s work showed how the different parts of the retina worked together to give good vision in both daylight and dim light.

Link: [BBC](#)

ED. COM. Mark Hankins is correct – the light funnelling function of Muller cells was not a “driving force” to build the vertebrate retina. The vertebrate retina works because Muller cells already had this property. Furthermore, Muller cells do not work on their own. The retina works because all the retinal cells are in the right places. Hankins is also right about Muller cells having other functions, but that is just evidence of more clever design. In his book “The Greatest Show on Earth” Dawkins wrote that the retina was “the design of a complete idiot”. (Richard Dawkins, *The Greatest Show on Earth*, Bantam Press, 2009, pp353-354) We hope Richard Dawkins reads this BBC report and if so, we hope he has enough insight to see he owes God an apology for calling Him an idiot for the way the retina is constructed. Dawkins cannot even hide behind the fact his book was published in 2009 and the research described above was only reported this year. The light transmitting properties of Muller cells was first reported in 2007. (See our report “Eyes Badly Designed” Evidence News, 29 August 2007 [here](#)) Furthermore, we have known for many years about the other features described by Mark Hankins

DVD DEMOLISHING DAWKINS free [preview](#).

10. BIG HISTORY PROJECT gets Aussie school endorsement. The “Big History Project” is a course that teaches the history of the universe from Big Bang to Mankind. It has been backed by Bill Gates, and now has formal endorsement from the NSW Board of Studies to be taught in schools. According to the Big History website the course is “a framework for all knowledge. From the Big Bang to



that also make the location of the photoreceptors a good design. This research is a challenge to the loudly asserted claim that evolution is necessary to understand biology. Here is a good example of how evolutionary theory is useless to science. This editor remembers being told as a student that the “inverted retina” was an accident of evolution that must have occurred in the common ancestor of vertebrates. It is just as well some physicists like Erez Ribak ignored such evolutionary stories and got on with studying the real world in the present. (Ref. optics, vision, design)

the modern day — and to what may lie ahead, Big History considers the great questions about our Universe, our planet, life, and humanity”. The promotional video for the course is introduced with the heading: “Big History examines our past, explains our present, and imagines our future”. In the first lesson on the origin of the universe the course acknowledges there are many origin stories, and gives a number of examples, including Genesis 1. The introduction to Genesis reads: “This biblical story comes from Genesis, the first book of the Old Testament, which is the sacred source book of both Judaism and Christianity. In Genesis, this story is followed immediately by a second creation story in



Chapter 2, in which humans are created first, followed by plants and animals. These stories were written down in the first millennium BCE and evolved into the form in which we know them around 450 BCE, about 2,460 years ago.”

Link: [Big History Project](#)

ED. COM. The historian who initially developed the course (ironically named David Christian) knew he was doing it in order to challenge belief that the Bible was the real history of the world and deliberately set out to present an alternative history. See our report “Big Picture History” Evidence News 5 September 2012 [here](#). By convincing school students and the general public that their big story is real history the Big History Project is directly attacking the good news of salvation and eternal life in Christ, and stands as a challenge to all so-called evangelicals who claim the creation/evolution issue is not a gospel issue. Our prediction: the more they teach such lies in schools, the more our social structure will disintegrate, the more problems the students will have with drugs and self image and the more immune to Christianity the society will become. (Ref. world view, philosophy, education)

11. USEFUL LINKS FROM THE ARCHIVES: [Dawkins on Eye Design](#), [Chameleon Colour](#), [Shellfish Make Toughest Glue](#), [Creation Banned from Science Classes](#).

12. HOW YOU CAN HELP US WITH YOUR DONATIONS: Get involved in sharing the cost and the blessings of the research and teaching by becoming part of the worldwide support team today via our secure [Web Site](#), or send gifts to the following addresses:

Donations in USA/UK are tax deductible.

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