



WELCOME to a provocative read from John Mackay and the Creation Research team. Did you know the media is reporting that in the UK they are planning to ‘neuter’ children so they can be free to make up their own minds about what sex they really are? ([CLICK.](#)) The homosexual lobby pro gay message is one of the greatest cons of the age, so don't miss the special link to a great DVD on same sex marriage in this issue. Meanwhile get some great help from items reported below on God's Genius and man's often lack of same as you read about artificial DNA, a computer generated universe and 3D simulated shark skin, with a diversion into self healing in Evidence News 08/14, with EDitorial COMment. In these last 2 weeks we have had wonderful opportunities with so many students, so a special thanks to all whose gifts have helped us work with them. Click [DONATIONS](#) - it's a great time to give.

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<http://www.creationresearch.net>

<http://www.askjohnmackay.com>

<http://www.youtube.com/user/askjohnmackay#p/u>

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ENews is available in 2 FORMATS – for EMAIL scroll down – for PDF see below index.

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1. NEW QUESTION: ADAPTATION? What's the difference between adaptation and evolution? [ANSWER](#) by Dr Diane Eager.

2. HOMOSEXUAL MARRIAGE: David van Gend is a family doctor and head of the Australian Marriage Forum. He is always an eloquent, hard-hitting speaker, but in this 25-minute video he excels. Drawing on years of experience as a GP and keen political instincts, he presents a convincing case why governments should not legalise same-sex marriage.

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VIEW VIDEO [HERE](#).

GET POSITIVE WITH OUR FREE DVD on marriage by John Mackay [CLICK](#).

3. EXPANDED DNA CODE described in Nature News 7 May 2014, BBC News, 8 May 2014, ABC News in Science 9 May 2014, and *Nature*, vol. 509, pp385–388, doi:10.1038/nature13314. DNA consists of long strings of small components known as A, T, C and G. These letters refer to chemical components named Adenine, Thymine, Cytosine and Guanine, which always group into pairs, A with T, and C with G. All living organisms use these same four letters in their genetic code. A team of scientists at Scripps Research Institute have produced DNA containing an extra two “synthetic” letters, which also form a pair. The two new letters are chemicals named d5SICS and dNaM, but for the sake of simplicity they are referred to as X and Y in a sequence of DNA code. The research team were able to make bacteria incorporate these “synthetic” letters into its DNA and then copy them via normal replication of DNA when bacteria divided. Unlike normal DNA letters, these new artificial ones do not code for any amino acids, (the building blocks of proteins), but the scientists are hoping they will one day be able to get bacteria to make artificial proteins and other substances. Floyd Romesberg, a chemical biologist at the Scripps Research Institute, who led the research, commented: “What we have now is a living cell that literally stores increased genetic information”.

Links: [ABC](#), [BBC](#), [Nature News](#)

ED. COM. These scientists have certainly added extra chemicals into DNA strands, but thus far they have not added any useful information. What they have done is the equivalent of arbitrarily adding newly invented meaningless symbols to the English alphabet and then claiming you have put more information into the English language. There will only be more information in any language when any new symbols can be used to make new meaningful words that didn't exist before, which can then be read by readers, and used by writers to communicate information that previously didn't exist. Likewise the new DNA chemicals will convey no extra information until they can be read by the cellular machinery, and then used to produce a meaningful new and useful outcome, i.e. adding a specific amino acid to a protein, or starting or stopping the production of a protein. That will only happen when the scientists can find a way of manipulating the cellular machinery to recognise the presence of the chemicals and respond in a pre-programmed way. Of course the funny side of this is that if scientists do succeed in adding meaning to their chemicals, it will confirm the fact that meaning only comes from the mind, information originates only via pre-existing intelligence, and purpose always points to person. They will yet again have proved DNA is a created code! (Ref. genetics, bio-engineering, design, synthetic biology)

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4. “VIRTUAL UNIVERSE” CREATED, according to BBC News, ScienceNOW and ScienceDaily 7 May 2014. An international team of scientists has created “the first realistic virtual universe” that simulates 13 billion years of cosmic evolution in a 350 light year cubic space, beginning “a mere 12 million years after the Big Bang”. The scientists used a computer simulation named Illustris which, after running for 3 months on 8,000 CPUs running in parallel produced a virtual universe containing 41,416 galaxies. According to ScienceDaily, “Illustris yielded a realistic mix of spiral

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galaxies like the Milky Way and football-shaped elliptical galaxies. It also recreated large-scale structures like galaxy clusters and the bubbles and voids of the cosmic web. On the small scale, it accurately recreated the chemistries of individual galaxies". According to ScienceNOW, "The findings once again neatly confirm cosmologists' standard theory of the basic ingredients of the universe and how it evolved—a result that may disappoint researchers hoping for new puzzles to solve". However, some cosmologists are cautious about the results. Joel Primack, a cosmologist at the University of California, Santa Cruz, claims it has been oversold, and Robin Catchpole of the Institute of Astronomy in Cambridge commented: "one must not be taken in by the sheer visual beauty of the thing. You get things that look like galaxies without them being much to do with the physics of how galaxies emerged".

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

ED. COM. Skipped over in most of the reports is the fact that the only way they could get the simulation to work in the first place was to assume the existence of dark matter, which has never been detected, yet they put it in anyway because otherwise the simulation doesn't work. Notice also, the simulation did not start at the very beginning. They started with a 12 million year old universe already filled with matter and energy. Therefore, they cannot claim re the big bang scenario, that the computer generation "neatly confirms cosmologists' standard theory of the basic ingredients of the universe and how it evolved". To really simulate the standard theory of how the universe arrived they should have started from nothing, and evolved firstly space, matter and energy, which then big banged itself into galaxies etc. However, it seems they are smart enough to know that if humans start with nothing we get nothing.

However Catchpole and others are correct – this computer simulation is spectacular, but it is only a simulation, i.e. a pretend universe, not the real thing. It is very important to remember that though the simulation came up with a resemblance to the present day universe, it does not mean it actually happened that way. Furthermore, it only happened because a lot of very intelligent people, using some very cleverly designed machines, applied their intelligence to design a computer program with instructions to 'evolve' for '3 months' to achieve their end. What they have established is that even cheat-starting, the only way to get a universe is for a pre-existing intelligence to program it into existence, just as the real Creator of the universe did. However, he did not need a computer and he did not need the millions of years, and since the evolutionary scientists achieved their aims only after 3 months, it seems not even evolutionists need their beloved vast time spans.

We just have to add that if the creative programmers were as clever as the original Creator God, they could have achieved the same result in just one week. As the psalmist reminds us: "By the word of the Lord were the heavens made; and all the host of them by the breath of his mouth". (Psalm 33:6) (Ref. cosmology, astronomy, computing, design)

Get your copy of Is the Big Bang Biblical? By John Morris [CLICK](#).

5. PRINTED SHARK SKIN reported in ScienceShots and BBC News 14 May 2014 and *Journal of Experimental Biology* 15 May 2014 doi: 10.1242/jeb.107342. Sharks appear to have smooth skin, but it is actually as rough as sandpaper, because the skin surface is covered with tiny overlapping bony scales, called denticles. These are shaped like grooved teeth, and it has been assumed that they decrease the drag of flowing water as it passes over the skin surface when the shark is swimming, enabling it to move faster and save energy. However, it has not been possible to test the effect of the denticles because that would involve testing a skin surface with and without the denticles and, as George Lauder of Harvard University explained, "You can't modify real shark skin". Lauder and colleagues set out to produce an artificial shark skin. They first scanned the skin of a shortfin Mako shark and made a detailed computer model of the denticles, but then they had to find a way of reproducing them in the same overlapping way as on the real shark skin, attached to a flexible surface. After a year of experimenting with different materials and 3D printing protocols, they were able to produce hard denticles on a flexible membrane, which they could then use for hydrodynamic testing. After comparing the membrane with and without the denticles they discovered the denticles reduced the drag of water flowing over a stationary membrane by 8.7%. They then tested the membrane by moving it in a swimming motion and found the denticles increased swimming speed by 6.6% and reduced energy expended by 5.9%. That may not seem like much difference but, according to Lauder, "That's a huge effect, when factored over the entire lifetime of an animal that is constantly swimming". Sharks do not have a swim bladder and need to keep moving all the time or they sink. Lauder told BBC News "It pays us to understand how the natural world works. Millions of years of evolution give us solutions to problems that we may not have thought of".

Links: [ScienceShot](#), [BBC](#)

ED. COM. It is certainly good to understand how the natural world works, but the more scientists and engineers try to copy the natural world the more they establish that chance random evolution did not produce it. Time and chance could no more produce real shark skin than it did the artificial shark skin, which only came about because intelligent scientists studied the structure of real shark skin, used their knowledge of chemical substances to find some that could be shaped into denticles, and then programmed the 3D printer to produce it. We remind them that the real denticles on real shark skin are also there because the living equivalent of the 3D printer, i.e. skin cells, have been programmed with information via the genetic code carried on DNA. The information for the artificial skin only got into the 3D printer because intelligent pre-existent scientists put it there. However, the same scientists are not using their intelligence when they believe DNA information got into cells without any creative design. (Ref. design, biomimetics, fish, biomechanics)

6. NEW SELF HEALING PLASTIC WORKS LIKE BLOOD SYSTEM, according to Nature News 8 May 2014 and BBC News 9 May 2014 and *Science* vol. 344 pp. 620-623, 9 May 2014 doi: 10.1126/science.1251135. Self healing plastics that can repair microscopic cracks have been available for many years, but mending the larger cracks and holes has proven difficult. A team of materials scientists have invented a plastic that can heal holes up to 3.5cm across. The plastic contains a system of micro-channels, which are each filled with one of two liquids. Jeffrey Moore, a chemist also at the University of Illinois explained: "You can think of these microchannels as a vascular system, like blood vessels". When the plastic is damaged the two fluids flow out of the channels and mix. The mixture forms a gel that fills the gap, which then hardens and restores most of the strength of the plastic. The system also has the potential to eliminate breaks in plastics by preventing small, noncritical cracks from propagating to critical sizes. Links: [BBC](#), [Nature](#)

ED. COM. The analogy with the blood vascular system in living things is a good one. When living tissue is damaged blood vessels deliver clotting factors to form a blood clot that fills the gap. When the tissue was undamaged the blood clotting factors stay dissolved in the blood, and the blood remains liquid. When the tissue is damaged the clotting factors become insoluble, and form a solid mass, but this only occurs because they have the built-in properties that change them in the right conditions, just like the repair liquids in the plastic. This new plastic is a clever back-up system, and like all back-up systems, it is the result of forward planning, not chance random naturalistic processes. If this plastic is ever mass produced people who drop their mobile phones or have their windscreens broken by flying stones will be grateful to its inventor when they see the damage 'self heal'. Therefore, we should be even more grateful to the Creator who designed the blood system that inspired this invention, and give God the glory due to Him, rather than propagating the foolish idea that the human blood vascular system evolved by chance. (Ref. biomimetics, design)

7. FROM THE ARCHIVES: [Synthetic bacteria](#), [Blood clotting inspired technology](#), [Biomimetics](#), [Universe without God](#), [Critique of universe without God](#).

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