

CREATION

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Journal of the CREATION SCIENCE MOVEMENT

EPM/CSM 1932-2012 80 years on

The world's senior creationist organisation celebrates its eightieth anniversary this year.

The Evolution Protest Movement was formed in 1932 specifically to criticise the theory of evolution which, it claimed, undermined morality. As such it was a platform for all the believers who took the Scriptures at their face value; but also for those who thought that the earth was older than biblical dating could accommodate. Such compromisers believed in the so-called gap theory, the day-age theory or the progressive creations theory.

EPM/CSM regularly produced pamphlets and a newsletter (now this journal *Creation*) and held lectures and debates. A 1943 pamphlet was headed *Reasons why Biologists refuse to debate Evolution*. Another was critical of the BBC's abuse of its monopoly. Nothing changes! We pointed out that science could not explain the origin of life. Experiments by plant and animal breeders, as well as induced mutations in fruit flies, showed that there were limits to possible variation of the created kinds. We argued that there are no

vestigial organs, nascent organs, or intermediate fossils as required by Darwin's theory. We pointed out that complicated organs like those for spinning webs could not possibly have evolved gradually. Birds' nests had to be right first

ATHEISM

The belief that there was nothing and nothing happened to nothing and then nothing magically exploded for no reason, creating everything and then a bunch of everything magically rearranged itself for no reason whatsoever into self-replicating bits which then turned into dinosaurs.

Makes perfect sense?

time. These were some of the EPM protests against evolution.

Speakers toured Canada, the States, Australia, New Zealand and South Africa, and autonomous branches were formed in these countries that distributed EPM literature. These were later dissolved as independent creationist organisations arose around the world.

Creation for May 1972 celebrated *EPM -40 Years On*. The then secretary, A. G. Tilney, referred to the ground-breaking Whitcomb and Morris book *The Genesis Flood* that offered scientific evidence for catastrophic geological processes, as well as reasoned arguments for a literal six-day Creation. By the mid-seventies a number of younger men had joined our Council to replace the pioneers who had been called home. These were Young Earth Creationists, and our pamphlets and journal reflected this change. In 1980 we became the Creation Science Movement. Membership and funds flowed in. CSM became a registered charity.

CSM speakers continued to promote creationism abroad, organising regular European Congresses and lecturing in most European countries. With the fall of communism we lectured in Poland, Romania, Moscow, and even in China.

In 2000 we opened the Genesis Expo to bring creationism to tens of thousands of tourists.

Evolution theory was challenged at every stage in EPM's, and now CSM's, 80 year history.

This is the Lord's doing; it is marvellous in our eyes. Psalm 118:23

Oh, the problems!

The problem with the theory of Evolution is everything. Or two things, depending upon your point of view.

Firstly, it simply does not accord with the scientific facts - but the latter are shoe-horned in anyway, because the Theory must not be allowed to fall!

And the latter is of course the second thing. For this so-called scientific theory is really a paradigm, a worldview. And like the Emperor's New Clothes, truth must not be allowed to hold sway. Everything must be interpreted according to the Theory, even though when exposed to the light it is found to be embarrassingly naked and inadequate. For if the truth is to be known, a scientific theory that purports to explain everything actually explains nothing at all.

From time to time in this journal we have commented on the remarkable regularity with which new fossil discoveries "push back" the supposed origin of a particular group of organisms. Repeatedly, researchers conclude that the major evolutionary development of a group has occurred out of sight, out of evidence and yet further back into dim and distant millions of years in the past. The mental gymnastics that Evolution's believers are required to exercise are truly remarkable!

With exquisite irony, the opposite kind of problem is also now exemplified by the discovery of a fossil of a new species of ichthyosaur, named *Acamptonectes densus*. UPI's Science News website (accessed 06 January 2012) reported that researchers from the State Natural History Museum in Braunschweig had found the rare fossil



Artist's impression of the new ichthyosaur species, *Acamptoneustes densus*, in life. Image: CSM.

ichthyosaur in northern Germany in rocks that are supposedly 130 million years old. Thus according to evolutionists' reckoning the fossil dates from the Lower Cretaceous era, whereas most of the ichthyosaur fossils previously found date from the Jurassic era, millions of years older. The museum's paleontologist, Ulrich Joger, is reported to have told the BBC, "It's a spectacular find...it raises new questions about the [Jurassic] extinction theory!"

So then - not only is the major evolutionary development of ichthyosaurs still in want of evidence, but when a fossil is found that is reputedly millions of years more recent than most of the other fossils known, it looks, er, just like all the rest. Gosh, here's a radical thought: maybe these creatures were created fully-formed!

What is one to make of a variety of other evidence of various creatures once it is shorn of evolutionary dogma? This is the subject of this month's CSM pamphlet, based on some of the superb specimens housed in the Natural History Museum in

London, UK. Do go and have a look sometime - with an open mind.

RC

Cuttings & Comments from New Scientist

by Dr David Rosevear

1 October p.6 Neutrinos point to a new reality

"Subatomic particles have broken the universe's fundamental speed limit, or so it was reported last week. The speed of light is the ultimate limit on travel in the universe, and the basis for Einstein's special theory of relativity, so if the finding stands up to scrutiny, does it spell the end for physics as we know it?"

"Instead, the result could be the first evidence for a reality built out of extra dimensions."

"The subatomic particles – neutrinos – seem to have zipped faster than light from CERN, near Geneva, Switzerland, to the OPERA detector...near L'Aquila,

Italy.” The neutrinos made the 730-kilometre journey through rock in 60 nanoseconds less than light travels that distance in a vacuum.

“The trick is to send neutrinos on a shortcut through a fourth, thus-far-unobserved dimension in space, reducing the distance they have to travel...The OPERA team spent three years chasing down every source of error they could imagine.”

8 October p.16 Terminal buzz gives bats their hunting edge

“Echolocation by itself would not have been enough to hunt fast-moving insects in the dark, but the addition of super-fast muscles and the terminal buzz could have given bats the advantage.”

When bats locate a flying insect by clicking with their larynx, and listening for the echo, they then step up the click rate to get information about the size, speed and direction of the prey. Homing in, the click rate can reach 160 times per second (160 hertz), called the terminal buzz. The muscles in the larynx are among the fastest in the natural world. By comparison, the wings of the humming bird move at around 40 hertz, but the muscles do more work. Song birds also use superfast muscles to sing complex songs.

The fossil bats have mechanisms for echolocation – bats have always been bats. And without these superfast muscles they would have gone hungry.

8 October p.30 Call creationism’s bluff

New Scientist is passionately against creationism. They are aware of our *Cuttings and Comments*. Here they seem outraged that young earth creationists are participating in conferences like the Geological Society of America, presenting posters, giving talks and leading field trips.

Some GSA members have asked for these YECs to be banned, but the writer of this piece, Steven Newton, disagrees. Science progresses by self-correction. He cites the paradigm shift in Geology in the mid-20th century when Wegener’s idea of plate tectonics was adopted. Newton works for an organisation that seeks to defend the teaching of evolution in schools. Is he fearful of a paradigm shift to creationism? Perhaps he’s heard about the Second Coming of the Creator.

15 October p.8 Baby repair kit found in the womb

“Fetuses normally shed numerous cells into the surrounding amniotic fluid. Of these about 1 per cent are amniotic stem cells, which can be extracted by amniocentesis in the first weeks of pregnancy.”

Amniotic stem cells of sheep and rabbits have been used to develop tissue to repair a range of congenital defects in the diaphragm, the sternum, the chest wall, facial bones and the trachea. If permission is given by the US Food & Drug Administration, human amniotic stem cells can be harvested and used similarly. **“It may become routine for every fetus’s amniotic stem cells to be stored and used to accelerate wound healing or make spare parts later in life.”** This use of a person’s own stem cells does not, of course, destroy human life.

Defects occur in this fallen world, but we are only now realising that the unborn child is bathed in spare parts in the womb by our far-seeing Creator.

22 October p.7 Stem cell patent denied

“Stem cells obtained through the destruction of human embryos were declared unpatentable this week by the European Court of Justice, on the

grounds that the destruction of embryos fails to respect human dignity.”

Without income from patents, researchers would need to look to charity funding or move out of Europe.

22 October p.14 Quantum weirdness makes life possible

“Water’s life-giving properties exist on a knife-edge. It turns out that life as we know it relies on a fortuitous [surely not], but incredibly delicate, balance of quantum forces.”

When water freezes, the ice forms an open structure which is less dense. Fish survive below the floating ice.

Water has a very high thermal capacity. It requires a lot of heat to raise its temperature, unlike metals. This enables mammals to regulate their body temperatures.

Both of these properties are due to weak hydrogen bonding between the electropositive H and the strongly electronegative O of the H₂O molecules. However, quantum effects seemed to imply that H-O bond lengths should keep fluctuating, and so break down the structure. Now neutrons have been bounced off the atoms to find their

positions using heavy isotopes of both hydrogen and oxygen. It turns out that hydrogen bonds between water molecules are slightly longer than bonds within each molecule, stabilising the structure.

“We are used to the idea that the cosmos’s physical constants are fine-tuned for life. Now it seems water’s quantum forces can be added to this ‘just right’ list.”

This all makes the statistical probability of a designed cosmos more likely and that of a chance origin more remote.

He hath made the earth by His power, He hath established the world by His wisdom, and hath stretched out the heavens by His discretion. Jeremiah 10:12

29 October p.38 Decline and Fall

The US is the most powerful scientific nation on earth. It spends more on research than any other. Yet there are as many citizens who believe in special Creation as there are that think the theory of evolution best explains the origin of everything.

One candidate for the Republican nomination for the presidency next year, Michele Bachmann, says global warming due to human activity is a hoax. She thinks that a vaccine against sexually transmitted diseases should not be given to schoolgirls,

and that science classes should include creationism. Her rival, Texan governor Rick Perry, **“advocates biblically based abstinence-only sex education. He argues that evolution is ‘a theory that is out there - and it’s got some gaps in it’. On climate change, Perry says ‘the science is not settled...just because you have a group of scientists that have stood up and said here is the fact...Galileo got outvoted**



Water: innately beautiful and fine-tuned for life. Image: CSM.

for a spell.’ Former House Speaker Newt Gingrich tells voters that embryonic stem cell research is ‘killing children in order to have research materials’. Rising Republican star Herman Cain claims there is no scientific evidence that homosexuality is anything other than personal choice.”

The article calls such views anti-science and intellectual rot. It likens it to the bad science of Lysenko in the Stalin era, the political right in Weimar Germany where the Nazis bullied folk with their propaganda, and to Mao’s Great Leap forward that caused a disastrous famine in China.

Regarding America, we read: **“With every step away from reason and into ideology, the country moves toward a state of tyranny in which public policy comes to be based not on knowledge, but on the most loudly voiced opinions.”**

“Evangelical Christian churches that preach literal interpretations of Genesis are especially influential. No wonder the US comes near the bottom of the pile in international surveys measuring the percentage of people who accept evolution.”

The writer is evidently surprised to find that climate dissent is more pronounced among **“those with greater numeracy and scientific literacy”**.

The suggested ploy **“to drag debate back towards what the science actually says”** is to find someone folk can identify with to argue the case. However: **“For many scientists, talk of ‘framing’ and ‘selling’ ideas to the public sounds uncomfortably like misinformation through the dark art of spin.”**

Would that we in the UK had more churches that preach the truth of Scripture.

5 November p.15 Life to blast off for Phobos

The non-profit Planetary Society of Pasadena, California is sending a space vehicle to the larger of Mars’ two moons. It will carry a selection of tough micro-organisms on a 3 year round trip, exposing them to radiation and space temperatures for all that time. The experiment is called Life - Living Interplanetary Flight Experiment. If the organisms (such as bacteria) survive, it will show that Earth could have been seeded with living things by bugs hitching a lift on rocks from other parts of the Solar System, or vice versa. Of course, that doesn’t prove that life arrived here from space, as Hoyle considered. This idea pushes secular ideas about the origin of life back a step into the remote distance as well as the remote past.

The genetic information in even the simplest living thing (in fact, far from simple) requires an input from an intelligent Source.

5 November p.19 Unsung heroes of the immune system

Platelets help blood to clot. In addition they play a role in driving immune responses.

“When bacteria enter blood they rapidly become coated in platelets...These sticky cell fragments then direct bacteria to the spleen where they are engulfed by dendritic cells – immune cells that trigger a full-blown immune response.”

However did we survive before platelets evolved! If we didn’t bleed to death for lack of clotting, we would have succumbed to attack by bacteria. No; platelets are part of the Creator’s incredible handiwork.

5 November p.42 The underhand ape

“To be human is to be corrupt, but that doesn’t mean we shouldn’t fight it.

“Most of us think of ourselves as pretty honest, seeing corruption as something that involves other people. But new research shows that anyone can be corrupted at the drop of a hat. Indeed, when looked at in evolutionary terms, clinging to the moral high ground could be seen as an irrational position. If everyone else is cheating, then playing by the rules will leave you with the smallest haul – where the haul, whatever it is, translates sooner or later into reproductive success. So it makes perfect sense to be as devious as you can while at the same time exhorting everyone to be honest.”

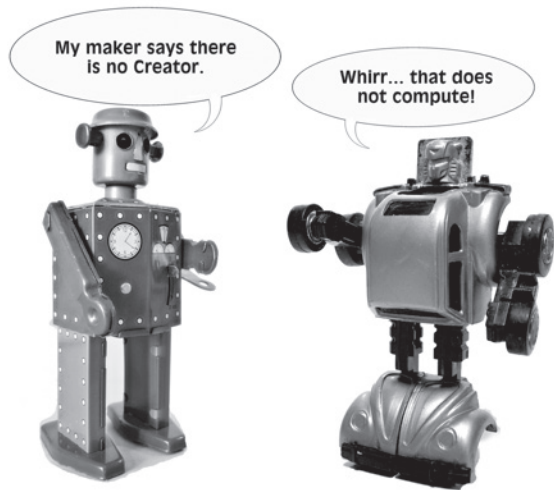
The article concludes: **“It would appear that the first lesson we should all learn from the burgeoning field of corruption research is that nobody is immune.”**

This, of course, is a major theme of Scripture. The disobedience of our first parents means that we are all tainted. ‘The heart is deceitful above all things, and desperately wicked’ said the prophet Jeremiah, thousands of years ago. That is why the Father sent the Son to be the Saviour of the world.

12 November p.3 Editorial, Darwin trumps self-obsession

In a comment on a new approach to be made to developing robots, the final paragraph exults: **“Crucially, the next generation of robots will not be designed as if by gods – in our image – but by using the principles revealed by Darwin. Once again, evolution has dealt a blow to the idea that humans were created special.”**

However, any new kind of super-robot must be designed by humans, for inanimate objects do not make themselves.



12 November p.5 ET no home

“No evidence exists that aliens have ever ‘contacted or engaged any member of the human race’, and nor is there evidence that life exists ‘outside our planet’. So said the White House in response to two petitions this week calling on the US government to admit to any contact with aliens.”

12 November p.42 The rover’s return

“Following the success of Spirit and Opportunity, NASA is sending its most ambitious rover to Mars. Just don’t ask if it’s looking for life, warns Maggie McKee.”

In a section headed ‘Why isn’t NASA hunting for life?’ we read: **“So why not send a robot to hunt directly for little green men? One word: Viking. NASA’s Viking landers did just that in 1976...Another experiment found no evidence of organic compounds in the soil – there were no alien bodies. ‘They were hoping to find signs of life but the results came back basically negative – there is no life as we know it,’ says Ralph**

Milliken at the University of Notre Dame in Indiana.

“The \$2.5 billion Curiosity rover will hunt for organic molecules and isotopic hints of life, but NASA is still shying away from the L word. ‘NASA cannot say to taxpayers that they put \$2.5 to \$3 billion to search for life, and then say, ‘We have found no life – thank you, bye bye’,’ says Michel Cabane, leader of one of Curiosity’s organic sniffing instruments” based in Paris.

19 November p.6 Stem cell setback

“Biotech giant Geron has called a halt to its entire stem cell programme, the largest of its kind in the world.

“The company says its decision is purely financial. It will now focus all its resources on developing anti-cancer drugs. ... Geron’s programme caused controversy because its cell lines come from human embryonic stem cells obtained through destruction of embryos.”

19 November p.14 Ethical and plentiful stem cells from milk

“Embryonic-like stem cells have been discovered in breast milk in large numbers... If the cells live up to their potential we may soon have stem cells for medical therapy, without destroying any embryos.

““They can become bone cells, joint cells, pancreatic cells that produce their own insulin, liver cells that produce albumin, and neuronal cells’ says Foteini Hassiotou” working in Western Australia. He says that these stem cells can be obtained in large amounts.

“The team now plan to track what happens to these cells once they get into infants.”

19 November p.53 Putting the idle to work

This *NS* issue has a series of articles about **“Nothing”** –zero, zilch, naught, nada. For example, the vacuum of deep space is composed, apparently, of quantum particles popping in and out of existence. The pressure of this vacuum is negative, explaining dark energy.

‘Putting the idle to work’ is about the noble gasses, helium, neon, etc., that are chemically inert. When radioactive elements such as uranium decay, they give off alpha particles that pick up electrons to form helium. The rate of decay is used to calculate the age of the rocks in which the minerals are found.

“Darwin’s theory of evolution needs an Earth many millions of years old in order for it to have had time to work. Yet the Bible placed a limit on Earth’s age at a mere 6000 years... Not only did Rutherford and Soddy create the concept of radioactive dating, they also kick started our modern understanding of the cosmos and its great age.”

In fact, there is much less helium in the atmosphere than might be expected from alpha particle emissions over millions of years. Moreover, can we trust the assumption that the decay rate has remained steady during such events as Creation and the world-wide Flood? Processes such as the decay of uranium into lead assume not only a constant decay rate but also a knowledge that there was no lead already in the rocks when the decay started. Many other geochronometers, such as rates of sedimentation and concentration of salt in seawater, give an age of only thousands of years.

The fact that carbon 14 with its half-life of only 5700 years is still present in diamonds suggests that the earth is only thousands of years old. Recent finds of unfossilised

organic matter such as blood cells in dinosaur and salamander remains means they are not millions of years old.

Jesus Christ speaks of people such as Adam, Eve and Abel as being present at the beginning of Creation, and He should know.

26 November p.3 A new cosmology beckons

This editorial highlights some of the problems thrown up by cosmology and addressed in this issue.

“Physics poses some formidable questions that we are so far unable to answer. Why is the universe dominated by matter not antimatter? Why does our universe appear to be ‘fine-tuned’ with just the right properties to give rise to galaxies, stars, planets, life and physicists?”

If there is no Creator, then perhaps:

“Almost everything in modern physics, from standard cosmology and quantum mechanics to string theory, points to the existence of multiple universes – maybe 10^{500} of them, maybe an infinite number.”

The editor admits this is an outlandish theory, but he clearly finds the idea of an intelligent designer God even more far-out.

26 November p.42 The many faces of the multiverse

If we had ever doubted it, we now are told the reason for postulating this outlandish idea:

“One of the main motivations is the need to explain why the physical laws underlying our universe seem so finely tuned as to allow galaxies, stars, planets, complex chemistry, life – and us – to exist. Rather than appealing to God or blind luck, some argue that our existence sets parameters that reliably pluck universes like ours from the bottomless grab-bag of the multiverse.

“Our current standard theory of how the universe came to be, for example, predicts an infinite expanse of other universes, including an infinite number in which duplicates of you are reading this sentence and wondering if those other versions of you really exist. Meanwhile, string theory, which hoped to derive the particles, forces and constants of our universe from fundamental principles, instead discovered a wilderness of 10^{500} universes fundamentally different from ours. Even quantum mechanics implies that our universe is a single snowflake in a blizzard of parallel universes.”

The afterglow of the big bang that is thought to have produced the universe, rather like a rabbit out of a hat, is known as the CMB, the cosmic microwave background. It was **“unfathomably uniform”** in temperature from one end to the other. This puzzle was solved by the proposal that inflation occurred with space expanding by a factor of 10^{30} in the first 10^{-35} seconds of its existence!

“Practically all models of inflation that have been discussed predict eternal inflation...the ultimate free lunch.

“Our universe seems inexplicably finely tuned to produce the conditions necessary for life... If the electron’s charge differed by a few per cent, stars could not have created the heavy elements that make Earth-like planets.

“The parallel worlds of quantum theory and the multiple universes created by universal inflation could not seem more different.

“Philosopher Nick Bostrom at the University of Oxford ups the ante by arguing that the universe we experience is just a simulation running on an advanced civilisation’s supercomputer.”

And all this **“rather than appealing to God”**, the God who made the heavens and the Earth and everything in it.

26 November p.48 Into the void

“Consciousness has long been one of the great mysteries of life, the universe and everything. It is something experienced by every one of us, yet we cannot even agree on how to define it. How does the small sac of jelly that is our brain take raw data about the world and transform it into the wondrous sensation of being alive? Even our increasingly sophisticated technology for peering inside the brain has, disappointingly, failed to reveal a structure that could be the seat of consciousness.”

The good news for some is that after these brains have died, our consciousness will continue. Then we shall know even as also we are known. The bad news for others is that the Lord Jesus Christ spoke not only of the resurrection of life but also of damnation (John 5:29).

3 December p.22 Da Vinci pattern helps trees to resist wind

Leonardo noticed that at any height above the ground the total cross-sectional area of the branches and twigs was the same as that of the trunk. This not only gives stability in high winds, but also makes for beautiful shapes.

Christophe Eloy of the University of California at San Diego has **“built a model to simulate the bending forces exerted by the wind and found that trees with branch thicknesses fitting da Vinci’s rule resisted breakage.”**

10 December p.34 Powers of Babel

“Alongside almost every creation myth about the origin of the Earth or the genesis of mankind, you’ll find another

story about the diversity of language. In the Old Testament, ‘confounding the one language’ is God’s punishment on humans for building the Tower of Babel ... while the Iroquois story tells of a god who directed his people to disperse across the world.

“Why is it that we communicate in so many different ways?

“How come some languages, such as Mandarin, are tonal, so that the pitch of a word changes its meaning?”

The article reckons that cultural evolution has carved out millions of mutually unintelligible tongues, most of which are now extinct. This is Lyell’s slow uniformitarianism of Geology applied to linguistics. The truth in both cases is a story of catastrophe.

17 December p.6 Higgs hunters scent their quarry

“Hints of the Higgs are emerging at the LHC tantalising us with the prospect of new physics. The ultra-shy Higgs boson may finally have shown itself at the Large Hadron Collider. Both of the main detectors, ATLAS and CMS, have uncovered hints of a lightweight Higgs. If it pans out, the only remaining hole in the standard model would be filled.”

So there is a lot riding on these LHC experiments to find this so-called ‘God particle’ that they think gives everything else its mass. Since all things have mass, the Higgs must exist, unless the theory is wrong.

“The Higgs is expected to appear fleetingly in the wreckage of high speed proton collisions at the LHC, but cannot be seen directly. Instead, physicists look for the shower of lighter particles and photons that result from the decay of Higgs bosons of various masses. Because garden-variety particles also produce

the same decay products, Higgs hunters look out for suspicious excesses of these products in their detectors.”

You may recall that this extremely expensive LHC broke down soon after it started up. **“Assuming the collider keeps working well, both experiments should have enough data to confirm or deny the simplest version of the Higgs by the end of 2012.**

“It would also be thrilling if the Higgs never showed up at all. If the current hints do disappear on further examination, physicists will wait until the LHC revs up to its full energy in 2015 to look for other particles or phenomena that would give particles mass without any need for the Higgs. ‘There must be something else that plays that role,’ Gianotti says. ‘We will be going after that something else.’”

Despite the brouhaha about this in the media this week, Gianotti doesn’t sound too hopeful. Weight-watchers will have to wait a while longer yet and then maybe think up a new standard model of mass.

24/31 December p.12 The brainiest legs in the world

“Tiny body, big problem: miniscule spiders need fairly sophisticated brains to weave their webs, but how do you cram that circuitry into such an itty bitsy body? If you’re as small as *Anapisona simoni*, you don’t – your brain spills into your legs.

Of course, software doesn’t come about through mutations and natural selection. How would the spider survive until it could weave a serviceable web to catch its food?

24/31 December p.12 Window into stealth tactics of bacteria

Scientists tested the way in which the bacterium *E. coli* reacted to three different

antibiotics over 25 days. Resistance to the three drugs increased with mutations in the genome of *E. coli* in response to the antibiotics. Two of the antibiotics induced lots of small mutations, while with the third most changes took place in one gene. The antibiotic deals with the bacterium by locking on to its active sites. If mutations prevent this, the antibiotic cannot destroy the *E. coli*. So while the unmutated bacteria are destroyed, the mutants multiply, rendering the drug ineffective. However, the mutant bacteria are still *E. coli*, but are less fit. Nothing has evolved into something else.

24/31 December p.96 Feedback

The magazine thanks those readers who have contributed to this very amusing page over the past year, and concludes:

“We wish all our readers an enjoyable holiday break and a happy new year.”

In contrast, many radio and TV channels were speaking of the Advent of the Creator, and broadcasting carols. In particular, the Queen’s Christmas message spoke clearly of the Saviour of the world.

Rapid opal formation

According to a report in Quarterly Notes, Geological Survey of NSW (Australia) June 2011, German and Australian scientists have found fossil microbes in opal specimens from Lightning Ridge Australia. The fossils have been identified as aerobic (oxygen dependent) bacteria actinomycetes (*Nocardia*, *Streptomyces*, *Micromonospora*) and myxobacteria. The organisms normally live in soils rich in organic matter at temperatures less than 35 degrees Celsius and at near-neutral pH, i.e. not acid or alkaline. These microbes

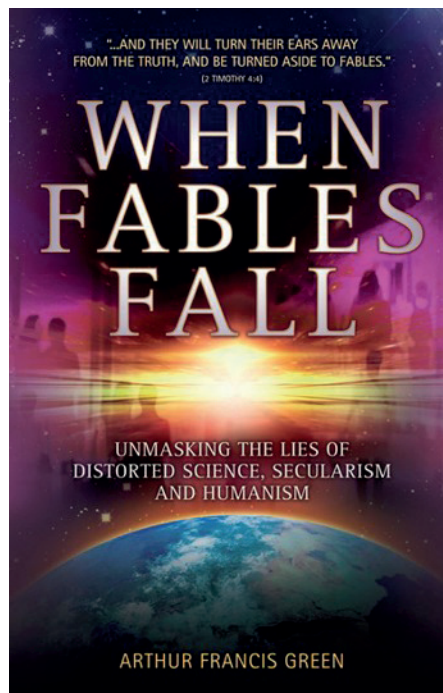
produce various organic acids which act on clay minerals to produce silica hydrogel, which is what opal is made of. The researchers concluded: "The kind of environment required by the microbes for life indicates the conditions under which opal was produced. This enables the determination of a new timetable for opal formation involving weeks to a few months and not the hundreds of thousands of years envisaged by the conventional weathering model".

New publication

When Fables Fall Arthur F. Green
Available from CSM, £9.99 + P&P.

A new secular world is gradually consigning Christianity to the level of myth and has rejected the authority of scripture that once stood harmoniously with science and society. Mankind is replacing God with its own clever fables that are destined to fall.

This book turns the tables against Christianity's old and modern critics, and reasserts the veracity of Scripture in the face of this onslaught from the ranks of science, secularism and humanism. From ancient Greek thinkers to Darwin and Freud, the author brilliantly unmask the weak science and philosophies that have



been repeatedly peddled to usurp God from the world we live in.

Creation conference

Saturday 25th February, Wyvern Technology College, Botley Road, Fair Oak, Eastleigh, Hants SO50 7AN, 09.30 - 16.30. Information and bookings: tel. 02380 695786.

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