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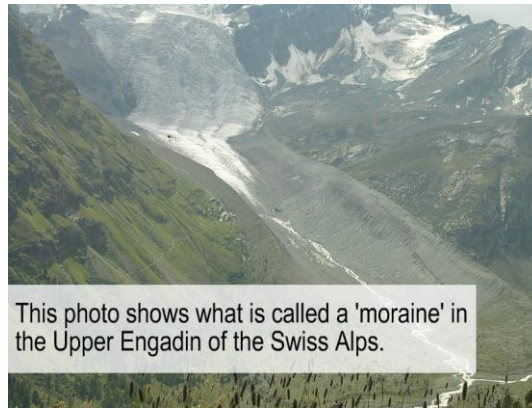
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The 4th part in our article series examining evidences of a global Flood will focus on the relation of the Ice Age to the global Flood of Genesis 6 – 9. It may seem odd to make a connection between the Ice Age and the Flood, but hopefully it will become clear that there is a direct correlation between these two events which drastically changed our planet.

Evidences of an Ice Age

Multiple indicators in the earth's geological record demonstrate that great amounts of semi-permanent snow and ice existed in parts of the earth that no longer have large quantities of such a wintery mix.



Additionally, large glaciers are observed to be melting or moving, scouring out rock, and moving large amounts of earth and stone. The rock and debris that is carried along by the melting glaciers form "moraines."¹ In our day, moraines exist in regions where no significant ice and snow accumulation is observed. This indicates that large glaciers once covered these regions and eventually scoured the landscape as they melted.

It is thought that at the peak of the Ice Age, most of the northern part of the United States, along with all of Canada, and other parts of the northern hemisphere were covered in snow and ice.²

Pre-Flood Climate

To understand how an Ice Age fits in with the global Flood, we must realize that the climate prior to the Flood was extremely different from the present, and what it was like after the Flood. Genesis chapters 1 and 2 hint at what the earth's climate was like prior to the Flood. Specifically, Genesis 1:6 – 10 informs us that when God was creating the universe, and our planet, He formed the earth with one large

body of water, and one large land mass, and that He fashioned a layering of "expanses of water"³ dividing the waters that were below (the ocean) from the waters above (in the atmosphere surrounding the earth). Within the creationist community, there is a disagreement concerning what exactly these "waters above" were.

(article continued on page 2)

¹ There are several different types of moraines - <http://nsidc.org/cryosphere/glaciers/gallery/moraines.html>

² <http://nsidc.org/cryosphere/glaciers/quickfacts.html>

³ Termed the "firmament" in the King James Version. This word literally implies a "vault of heaven supporting waters above".

However, most Biblical creationists believe that prior to the Flood, these “waters above” formed a protective layering surrounding the earth, insulating the earth from the harsh rays of the sun, and thus ensuring a temperate climate, conducive to vibrant life on all parts of the planet.⁴

Some indications of a temperate global climate prior to the Flood include the discovery in the currently barren arctic regions of preserved plants and animals that normally are found in tropical regions.⁵

Why would we find fossilized tropical life in what is now cold, desolate areas of our world, unless the climate was much more temperate at some point in the past? These plants and animals may have been buried by the Flood of Noah’s day, or perhaps they were casualties of drastic climate change following the Flood during the Ice Age.

Further, why is Greenland, a landmass that is frigid, and often very snowy, called Greenland? Perhaps, at some time in the past, the climate in the far Northern hemisphere was much more conducive to flourishing the flora of that region.

The Windows of Heaven

During the Flood, the “windows of heaven” were opened⁶

⁴ This would correlate well with the command of the Creator to His creation to “be fruitful, and multiply, and fill the earth”, found in Genesis 1:22, 28.

⁵ <http://news.bbc.co.uk/2/hi/science/nature/3631764.stm>; <http://news.bbc.co.uk/2/hi/science/nature/5034026.stm>; <http://www.icr.org/article/what-turtle-fossil-doing-arctic/>

⁶ Genesis 7:10

as the rains of judgment fell. Many creationists believe that these “windows of heaven” were not just typical rain clouds, but rather they were probably the atmospheric layering collapsing inward as they



The stuffed Beresovka mammoth, in The Museum of Zoology, St. Petersburg, is a good example of life in the arctic regions in time past.

http://en.wikipedia.org/wiki/File:Stuffed_mammoth.jpg

deluged the earth. Also during the Flood, the “fountains of the deep” opened, which is likely a reference to subterranean water chambers, and perhaps to volcanic activity. These geological, and meteorological phenomena wrecked the earth’s environment and atmosphere.



“Glacier Girl,” the P-38 Fighter that crashed in the Greenland, was found covered in 268 feet of ice.

<http://www.airspacemag.com/realtimeasia/photos/?c=y&articleID=16046577>

Post-Flood Weather Changes

Even after the rains had stopped, and the waters had receded, the planet’s environment was still in upheaval. Creation scientists have posited that following the end of the Flood, there were still some weather changing factors⁷ occurring that warmed the ocean, while the atmosphere cooled due to volcanic particles insulating the earth from the warmth of the sun. These factors would have caused a good deal of the ocean waters to be evaporated, transported by clouds over the cooler

⁷ Such as sub-marine volcanic activity and tectonic plate upheaval. See: <http://www.answersingenesis.org/articles/am/v2/n2/setting-stage-for-ice-age>

land masses and dumped as snow, ice and frost. As these factors played out, they would have caused a good deal of frozen precipitation to accumulate in a fairly short amount of time, resulting in a prolonged period of severe cold in certain regions of the world⁸ spawning the Ice Age.⁹

Fast or Slow Accumulation

Secular scientists have theorized that multiple “Ice Ages” occurred over hundreds of thousands of years in the distant past.¹⁰ However, this theory is based upon a uniformitarian bias. In reality, catastrophes play a great role in shaping our planet’s landscape, and often accomplish in hours or days what might otherwise take a long time under normal circumstances. One creation scientist, a retired National Weather Service meteorologist, has estimated that it took only around 500 years for the maximum average amount of snow and ice, of over 2000 feet to accumulate.¹¹ This scientist bases his calculations upon good science, and a biblical chronology. A modern example of rapid snow and ice accumulation seems to confirm his theories on the Ice Age. During the 2nd World War, some American fighter planes en route to Europe crash landed in Greenland. The planes were abandoned, and later covered by over 300 feet of layers of ice and snow over the decades following the War.¹²

(Article continued on page 3)

⁸ <http://www.answersingenesis.org/articles/fit/flood-caused-ice-age>

⁹ We use the term “Ice Age” here, based upon our belief that there was only one Ice Age. However, many secular scientists believe that there were multiple ice ages over a period of several hundreds of thousands of years.

¹⁰ http://earthguide.ucsd.edu/virtualmuseum/climatechange2/01_1.shtml

¹¹ <http://www.answersingenesis.org/articles/am/v2/n2/setting-stage-for-ice-age>

¹² “Lost WWII plane finally due in UK” http://news.bbc.co.uk/2/hi/uk_news/6232954.stm

“When Was the Ice Age?”

Although secular scientists argue that there were multiple Ice Ages over a period of hundreds of thousands of years,¹ we know from the Bible, that such a timescale is much too long to be accurate. If the Ice Age(s) did not occur hundreds of thousands of years ago, when did the Ice Age occur? The answer to this question is partially revealed in our discussion in the feature article regarding how the great Flood would provide the necessary meteorological catalysts to spawn an Ice Age shortly after the Flood. Using Biblical genealogical records, basic mathematics, and logical inferences, we can deduce that the Flood occurred sometime around 2,500 B.C.² So, we can infer that the Ice Age took place sometime following the Flood. One meteorologist estimates that the Ice Age lasted around 700 years, and peaked approximately 500 years after the Flood, or around 2,000 B.C.³

Some Bible scholars believe that Job, the man who suffered greatly at the hand of Satan, lived during the period of the Ice Age.⁴ These scholars point to the numerous references⁵ in the Book of Job to snow and ice and frost, and infer that he likely lived as an eyewitness during the Ice Age.

While we don't have an exact time period for when the Ice Age took place, we do know that the Bible gives us an overview of all the history for the world, and we can deduce that the Ice Age took place after the great Flood.

¹ http://earthguide.ucsd.edu/virtualmuseum/climatechange2/01_1.shtml

² See www.bibleworldhistory.com/Flood.htm

³ <http://www.answersingenesis.org/articles/nab/where-does-ice-age-fit>

⁴ <http://www.answersingenesis.org/articles/fit/man-during-ice-age>

⁵ See Job 6:16; 9:30; 24:19; 37:6,10; 38:22, 29

This demonstrates that thousands of years are not required for ice and snow to build up. Rather, massive amounts of frozen precipitation can accumulate in a matter of a few short years.

Drastic Climate Change

Interestingly enough, in the recent past, secular scientists propounded the theory that our planet was entering a time of global cooling.⁶ Just as with the modern concerns with global warming, the scientists of the last century spread fear that the earth would be drastically affected by these changes in global temperatures. However, what we need to remember is that the earth's temperature will increase dramatically one day, as it burns with a cleansing fire, just as the Flood waters once cleansed the entire earth.⁷

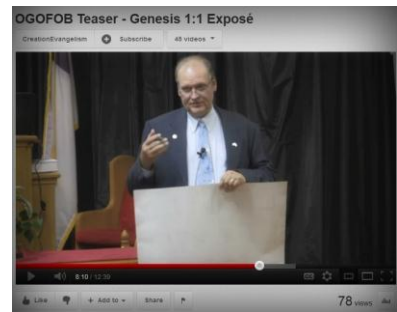
We would do well to take that warning seriously, and help others get ready for the climate change that really counts for eternity!

*Joel Kautt is the Director
of CET Ministries, and a
regular writer, for The
Tool Box.*

⁶ <http://www.newscientist.com/mobile/article/dn11643-climate-myths-they-predicted-global-cooling-in-the-1970s.html>

⁷ 2 Peter 3:9 - 14

You can now watch clips of the *One God, One Faith, One Book* apologetics conference in September 2011. Just go to our YouTube channel: www.youtube.com/CreationEvangelism and click on the "OGOFB Teaser - Genesis 1:1 Expose" video.



We hope to have more video clips up in the near future, as the editing process proceeds. We will announce when DVDs become available.



Feedback:

“Thanks so much for the latest issue of The Tool Box. I just read through all of it and it was quite inspiring and encouraging. I appreciated all of the articles and the information inside, particularly also the inspiring article on bridges and copying creation.

The other articles referring to the news articles about recent discoveries were timely and gave good direct answers.”

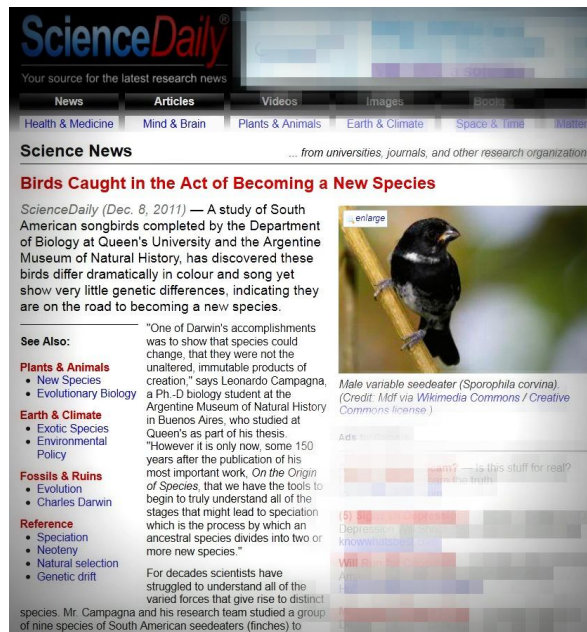
– J.K., Germany

“God bless you all. Weary not in well doing.”

– L.G., Texas

The Origins Debate in the News

Late last year, a news piece announced that some birds were “Caught in the Act of Becoming a New Species.”¹ This headline reminded me of Darwin’s investigation of the Finches of the Galapagos Islands more than 150 years ago. Apparently, in studying some songbirds native to South America, scientists have found that even though the birds’ genetics are not very different, there are some vast differences in their coloring and in the song patterns they sing. One biologist stated that “[o]ne of Darwin’s accomplishments was to show that species could change, that they were not the unaltered, immutable products of creation.”² This scientist is subtly slapping down creationists by implying that creationists do not believe in changing of species.² However, Biblical creationists do not hold to the idea of “fixity of the species” where individual species were created distinctly and never change. Rather, we argue that God created “kinds”³ of creatures, and programmed into the genetic code some latitude for change.⁴ This is why we see dozens of different “species” of dogs, cats, birds, etc. However, while there may be some very noticeable differences within those creatures, dogs will still be dogs, cats will still be cats, and we do not see dogs morphing into cats. Biblical creationists agree that genetics of creatures do change, and thereby “create” new species (i.e. a wild dog being bred into some other type of dog). But, we disagree that said changes are capable of creating entirely new types of creatures (i.e. a monkey turning into a human). Let us remember that our Creator God made each of His creatures with genetic foreknowledge of what life on this earth would be like, and in His infinite wisdom He integrated in His creation genetic latitude so that living beings could adapt to the changing world around them.



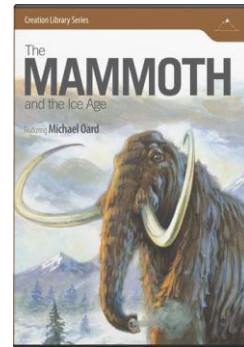
¹ http://www.sciencedaily.com/releases/2011/12/111208121408.htm?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+sciencedaily%2Ffossils_ruins%2Fevolution+%28ScienceDaily%3A+Fossils+%26+Ruins+News+--+Evolution%29

² <http://www.answersingenesis.org/articles/2009/03/16/fixity-of-species>

³ See Genesis 1:21, 24, 25

⁴ Many Biblical creationists today believe that “kind” might be similar to the level of Genus or Family of taxonomical nomenclature. See: <http://www.apologeticspress.org/APContent.aspx?category=13&article=1122>

Resource Spotlight



The Mammoth and the Ice Age, by Michael Oard.

This DVD investigates an Ice Age theory put forward by Meteorologist, Michael Oard. He also delves into the frozen whole mammoths that have been found in Siberia, Russia, as well as various places in the Northern hemisphere.

In his talk, Oard discusses the possible migration routes of animals and humans antediluvian, and the atmospheric/temperature changes that occurred after the Flood. And how, before the Ice Age, Siberia and other places now known for their extremely cold weather, were probably warm.

Weather is something that has always fascinated me. Oard elucidates some questions I’d had about the Flood, the division of the earth, temperature changes, climate, extinct animals and the possible reasons behind their extinction.

To order a copy of this excellent DVD, please visit our website www.creationevangelismtools.org, click on the “resources” button at the top, and then click on the “Science” link.



As I look around at America today, the words from Ken Ham ring in my mind, “Where England is today, America will be tomorrow. America is becoming less and less Christian every day.” Whether it’s the sickening fact that over 50 million unborn babies have been killed since 1973, or that Biblical marriage is disintegrating due to things like homosexuality and divorce, or that over 80% of my generation is quitting the Church, America is becoming less the Christian nation that we remember. I believe that the main reason for this demise is because of the Church’s lack of standing up for the truth and authority of God’s Word, and the lordship of Christ, *in all issues*.

“Evolution Weekend¹” is just one of many examples of the Church’s compromise on important spiritual and doctrinal issues. Biologist Michael Zimmerman first introduced this idea in 2004 with the *Clergy Letter Project*². Among other things, the Christian Clergy Letter (one of the letters in the project) states that, “*the theory of evolution is a foundational scientific truth, one that has stood up to rigorous scrutiny and upon which much of human knowledge and achievement rests. To reject this truth or to treat it as ‘one theory among others’ is to deliberately embrace scientific ignorance and transmit such ignorance to our children*.”³ They view the Bible as a book which has good spiritual and religious instruction, but when it comes to history or the scientific realm, it is not the ultimate authority. Later in the letter they imply that to reject Evolution is to reject reason, and in the above quoted paragraph, that when you reject Evolution you reject truth.

What is very saddening, and even upsetting, is that this letter has over 12,700 signatures from Evangelical leaders⁴. Furthermore, in 2011

“Evolution Weekend,” which occurs the weekend closest to Darwin’s birthday⁵, was celebrated by over 600 churches in the United States and around the world, to, “through sermons, discussion groups, meaningful conversations and seminars... show that religion and science are not adversaries.” That is true, religion and science are not adversaries, but they do not recognize that Evolution (which is not science, but a religion) and the Bible cannot be reconciled. In fact, from the very beginning Evolution was created as an alternative to God, a way to explain the existence of this universe without God. There are numerous ways in which Evolution simply is not compatible with God’s Word. For example, Evolution *requires* billions of years, but the Bible clearly shows that this universe is less than ten thousand years old. And science confirms the earth is young⁶. Evolution also requires death *before* sin, when in fact, the Bible teaches exactly the opposite: “the wages of sin is death.”⁷ And to try to mix God’s Word with such man-invented ideas as the “Gap Theory” or the “Day Age Theory,” simply is not logical, or healthy for the gospel message. You cannot have death before sin without totally destroying the very reason Jesus came to this earth. Trying to fit long ages into the Creation week doesn’t work for many reasons, which I don’t have space to cover in this article⁸.

Ultimately, in their efforts at elevating man’s fallible, ever-changing ideas, they are leading many people astray in a belief that is, at its core, anti-God. In doing this, they undermine the Lord’s infallible, unchanging and true Word.

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editor and an
occasional writer for
The Tool Box.

¹ Originally referred to as “Evolution Sunday”

² <http://www.theclergyletterproject.org/>

³ http://www.theclergyletterproject.org/Christian_Clergy/ChrClergyLtr.htm

⁴ http://www.theclergyletterproject.org/Christian_Clergy/chr_A-B.htm#A

⁵ Darwin’s birthday is February 12, 1809 (his 200th birthday was in 2009)

⁶ e.g. C-14 in coal and diamonds.

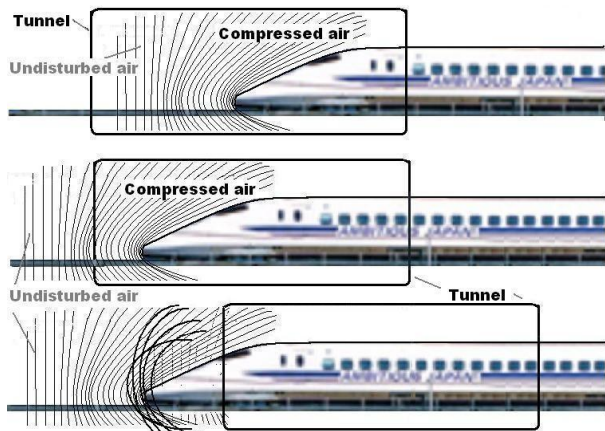
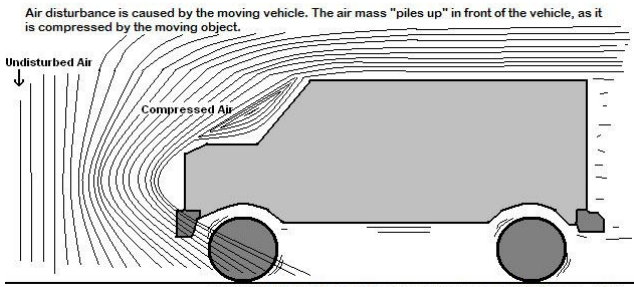
⁷ Romans 6:23, NKJV

⁸ A good article on the incompatibility of long age theories with the Bible: <http://www.answersingenesis.org/articles/oeect/problems-other-interpretations>



Japanese Trains, the Kingfisher, and Shock Waves

As humans, we are constantly immersed in a gaseous substance that we call air. This gas – comprised of oxygen, helium, and carbon dioxide – has density. In other words, it has weight and volume. Due to this fact, an amazing phenomenon, known as wind resistance, occurs when any large object moves at any given speed. The faster the object is moving, the greater the wind resistance. You have probably felt the effects of wind resistance when in close proximity to a vehicle traveling fast enough to create a small breeze once it has passed. This effect, sometimes known as a vortex, is the result of the air mass “accumulating” in front of the vehicle as it moves down the road.



When an object is traveling at a high rate of speed and then enters a tunnel, the air being compressed in front of the vehicle is exponentially higher while it is in the tunnel than the normal air mass accumulated in front of the vehicle when it is traveling out in the open. Certain regions in Japan’s high-speed rail network have many dozens of tunnels. *(article continued on page 7)*

The Penguin

Penguins are some of my favorite animals. They are cute, albeit odd birds, which walk upright, and “fly” under water¹. And although they resemble ordinary birds in some ways, they do not grace the sky in flight. They can however, put on a great show in the water.

The diversity of penguins is really quite amazing – from the Emperor penguin - the largest of the species, which on average measures around three feet tall², to the Little Blue (or Fairy) penguin which is only about thirteen inches in height³. The fossil record reveals examples of penguins reaching even larger proportion; some perhaps grew to be as tall as adult humans⁴. Wouldn't want to bump into one of those on a stroll!

Interestingly, penguins are warm-blooded animals, with an average body temperature around 100 degrees F⁵. There are between seventeen and twenty different species of penguin. While some reside in the coldest climes on earth, most live in temperate zones, where it can get quite warm. For example, the Little Blue penguin, can be found on the island of Tasmania⁶, off the southern coast of Australia. These littlest of penguins live in nest burrows or colonies⁷, but like the Galapagos penguins, spend most of the day in the water, feeding. Speaking of the Galapagos penguins⁸, they are another interesting example of adaptation to one's environment. Galapagos penguins live in South America near the equator, where it is warm on land, but due to the cold-water ocean current⁹ they can survive, since they spend most of their life in the water. It is a perfect fit!



(article continued on page 7)

¹ <http://www.kidzone.ws/animals/penguins/facts2.htm> - airborne penguins
² <http://marinebio.org/species.asp?id=534> – Emperor
³ <http://www.penguin.net.nz/species/blue/index.html> - Little Blue
⁴ <http://news.nationalgeographic.com/news/2007/06/070625-giant-penguins.html> (Fossils in Peru)
⁵ <http://www.aquaticcommunity.com/penguins/emperor/babyfact.php>
⁶ <http://www.birddata.com.au/printibaWBDBBirdList.do?sitReclD=23907>
⁷ Ibid.
⁸ <http://www.siec.k12.in.us/west/proj/penguins/galap.html> - Galapagos penguins
⁹ http://www.ms-starship.com/sciencenew/galapagos_geology.htm Cromwell current

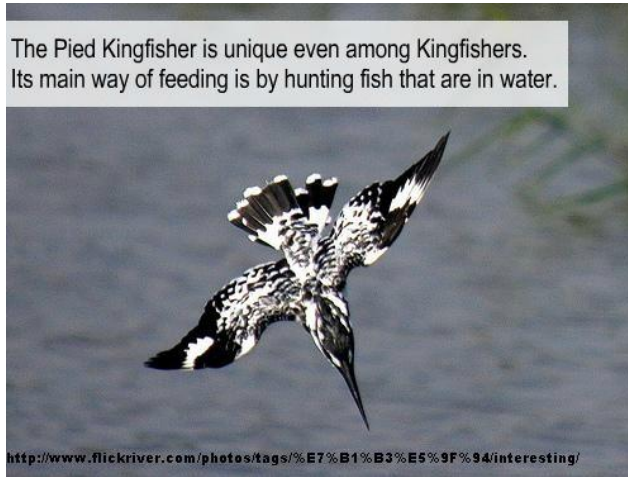
People who lived in the area of these tunnels complained of the loud thunderclap caused by the trains traveling at 300 kilometers per hour (approx. 187 mph) when they exited the tunnel.

As the train exits the tunnel, the high pressure pocket of air immediately expands outward and upward, slowing down as a result of this expansion, while the train continues forward, piercing the air mass. This creates a shock wave, causing a thunderclap.

This problem confounded the Japanese engineers and scientists. They pondered upon whether or not there may be something in nature that they could study that would give them ideas as to how they could redesign the bullet trains to make them less of a noise pollution problem. They were looking for something – anything – that regularly went from dwelling in one substance (like air) to dwelling in another substance (like water) quickly, by diving or some sort of activity, with little to no shock wave when it traversed from one substance to the other. The Pied Kingfisher was just such an example of a creature that traverses between two substances efficiently and relatively smoothly.

At just under seven inches long, the Pied Kingfisher is unique even among Kingfishers. Its main way of feeding is by hunting fish that are in water (hence the name “Kingfisher”). However, it is how it hunts these fish that makes it the “king” of all fishers. As the Kingfisher hovers at 10 meters (approx. 32 feet) above the water, its keen eyes search the water below for any viable prey. Once a tasty treat has been spotted beneath the surface of the water, the Pied Kingfisher begins a quick, but controlled, descent into the water, beak down. As the kingfisher zeros in on its target, it is imperative that its prey not know that the kingfisher is on its way into the water. The piercing of the water by the kingfisher’s beak causes a shockwave to be sent out into the surrounding waters, and could easily be detected by the sensitive hairs on the fish’s body. Fish that escape the kingfisher react only 1/50 of a second faster than those that do not escape.¹ The shape of the Pied Kingfisher’s beak is what makes its trip into the water more covert. Shaped any differently, it would create an even larger shockwave, and its success at catching any fish would be significantly less.

The efficacy of the Kingfisher’s beak was recognized by the Japanese engineers as being one that they should emulate in the design of the high speed trains. Having done so, the noise pollution caused by the train’s



exit of the tunnel was greatly reduced, and the trains consumed 15% less electricity due to the lower air resistance in the new design.

The keen observation by the Japanese engineers of the incredible genius God has displayed in His crafting of the Kingfisher serves as a reminder that mankind has copied their Creator.

Caleb Kautt is a writer, researcher and artist for Creation Evangelism Tools Ministries.



Signs of Design: The Penguin, article continued from page 6:

Some of the penguins have rather strange body features, such as feathers above the eyes (southern Rockhopper)¹⁰, or are covered in downy fur when they are chicks (King)¹¹, and they all have big feet. Their monochromatic coloring and strange mannerisms may make them seem like something strange or foreign, but they are some of the most resilient animals in our world. The penguin community takes charge of the eggs¹², and later the penguin chicks while the mothers replenish their food supply for the coming summer.

Although evolutionists claim penguins are an example of the success of natural selection (and they are), we can see them as a wonderful display of how God created animals to adapt to their conditions and still do what they were designed to do.



*“But now ask the beasts, and they will teach you;
And the birds of the air, and they will tell you;
Or speak to the earth, and it will teach you;
And the fish of the sea will explain to you.
Who among all these does not know
That the hand of the LORD has done this,”
Job 12:7-9*

Abby Kautt is a writer and researcher for Creation Evangelism Tools Ministries.

¹ <http://www.youtube.com/watch?v=6YRM0sy3xIY>

¹⁰ <http://www.arkive.org/southern-rockhopper-penguin/eudyptes-chrysocome/-Southern-Rockhopper>

¹¹ <http://www.photovolcanica.com/PenguinSpecies/King/KingPenguinPhotos.html> - King penguin

¹² <http://www.aquaticcommunity.com/penguins/emperor/babyfact.php>

EVOLUTIONISTS IN THEIR OWN WORDS

Compiled by Phoebe Kautt



The Clergy Letter Project website. ¹

“The Bible is the primary source of spiritual inspiration and of values for us and for many others, though not everyone, in our society. It is, however, open to interpretation, with some taking the creation account and other content literally and some preferring a figurative understanding. It is possible to be inspired by the religious teachings of the Bible while not taking a literalist approach and while accepting the validity of science including the foundational concept of evolution.”²

- The Rabbi Letter, from the Clergy Letter Project.

Compiler’s Note:
See my article *Compromise in the Church: Evolution Weekend*, on page 5 for more detail on this issue.

Footnotes:
1 <http://www.theclergyletterproject.org/>
2 <http://www.theclergyletterproject.org/JewishClergy/JewishClergyLtr.htm>

Ministry Update

In the latter part of 2011, we partnered with Christian Worldview Outreach (CWVO), and a local pastor (who is a native of India), to send some of our articles to be translated and published in an Indian Christian newspaper. The first article, *Dinosaurs: Important to the Gospel*, was published in January 2012. After the publication, there came about stiff opposition and rejection from Christian school teachers who believe in evolution.

Here’s an excerpt from the email we received just a few days ago from the director of CWVO:

I am sorry to report that the reaction to our first article in the newspaper in Gugarat, India created such a strong reaction that the newspaper has decided to stop publishing articles. The primary protestors are Christian school teachers. ... All of your hard work has produced outstanding results. We should not be surprised if there is resistance to the truth of the gospel.

We believe that God will open other doors of opportunity similar to this one. Pray for us as we seek to follow God’s leading in this and other areas.

