

About me

Born in Knoxville, TN and raised mostly in the suburb of Farragut Professional:

- B.S. in Mathematics (Honors) and Physics, Summa Cum Laude from The University of Tennessee in May of 2006
- M.S. in Applied Mathematics from North Carolina State University in December of 2009
- PhD in Applied Mathematics from North Carolina State University in December of 2013

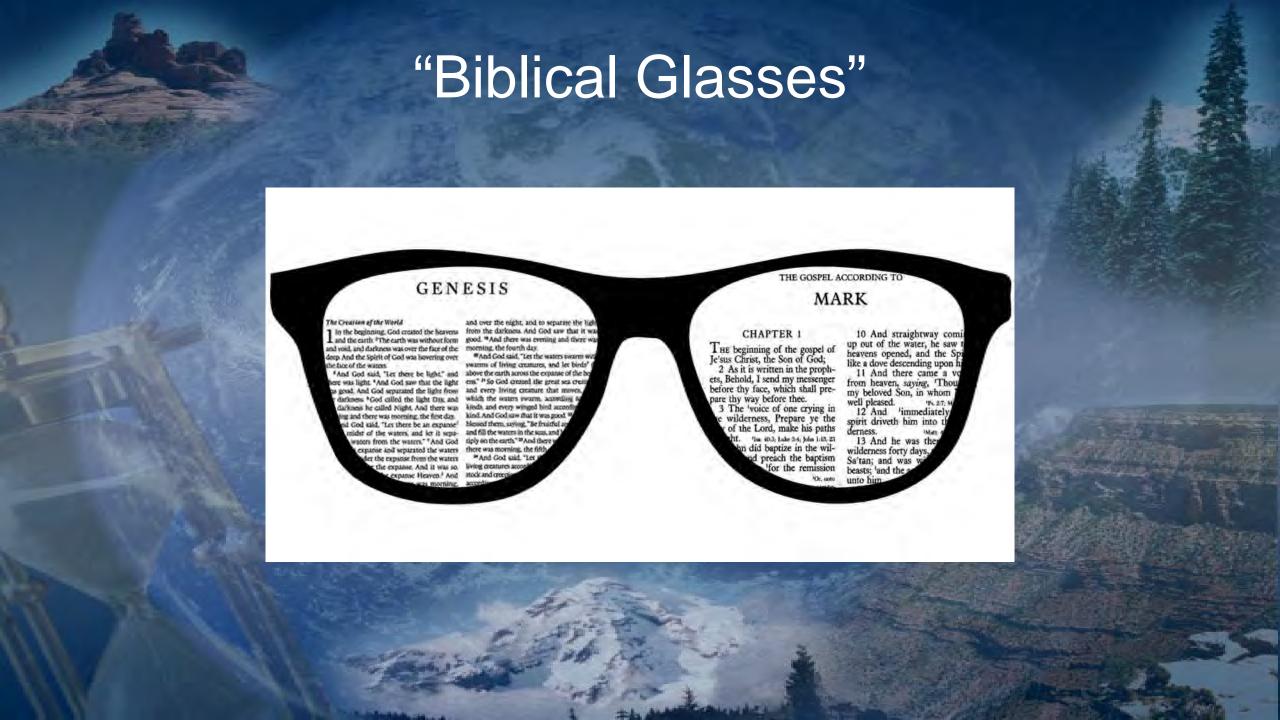
Book: Transionospheric Synthetic Aperture Imaging

Currently I work in the Radar Division at the U.S. Naval Research Laboratory as a Research Mathematician, where I help improve performance prediction for over-the-horizon radars.

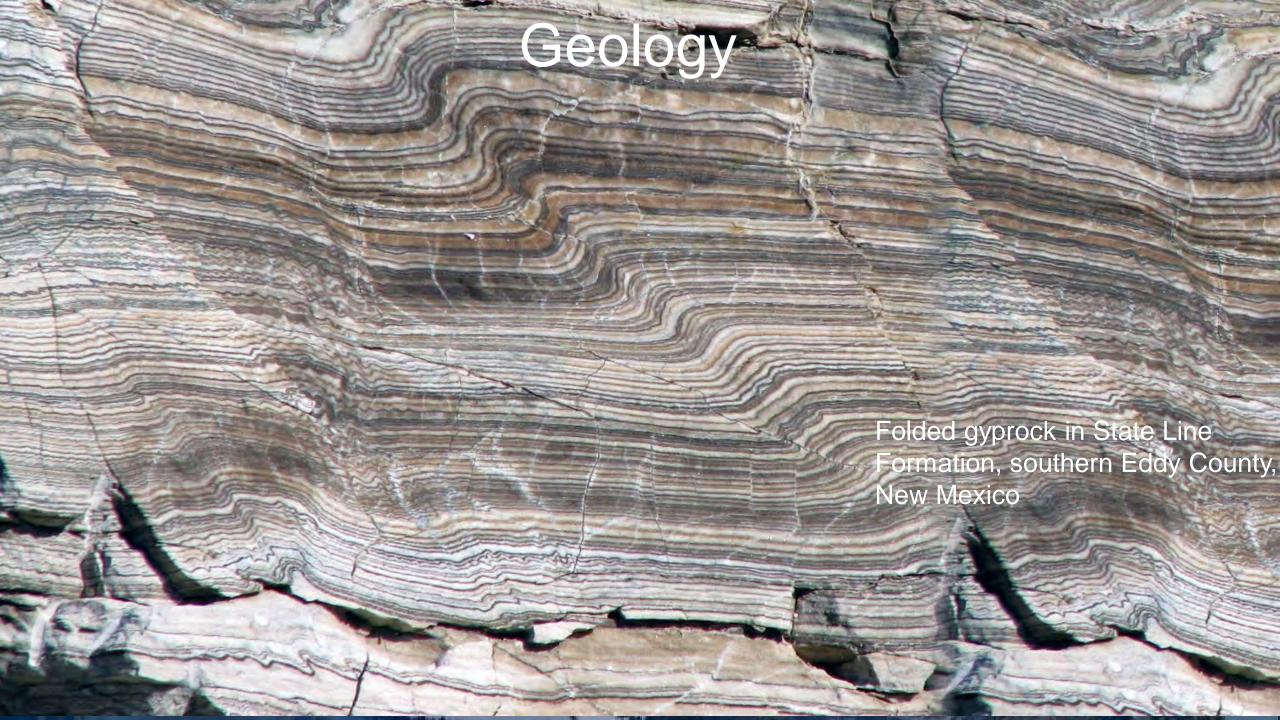




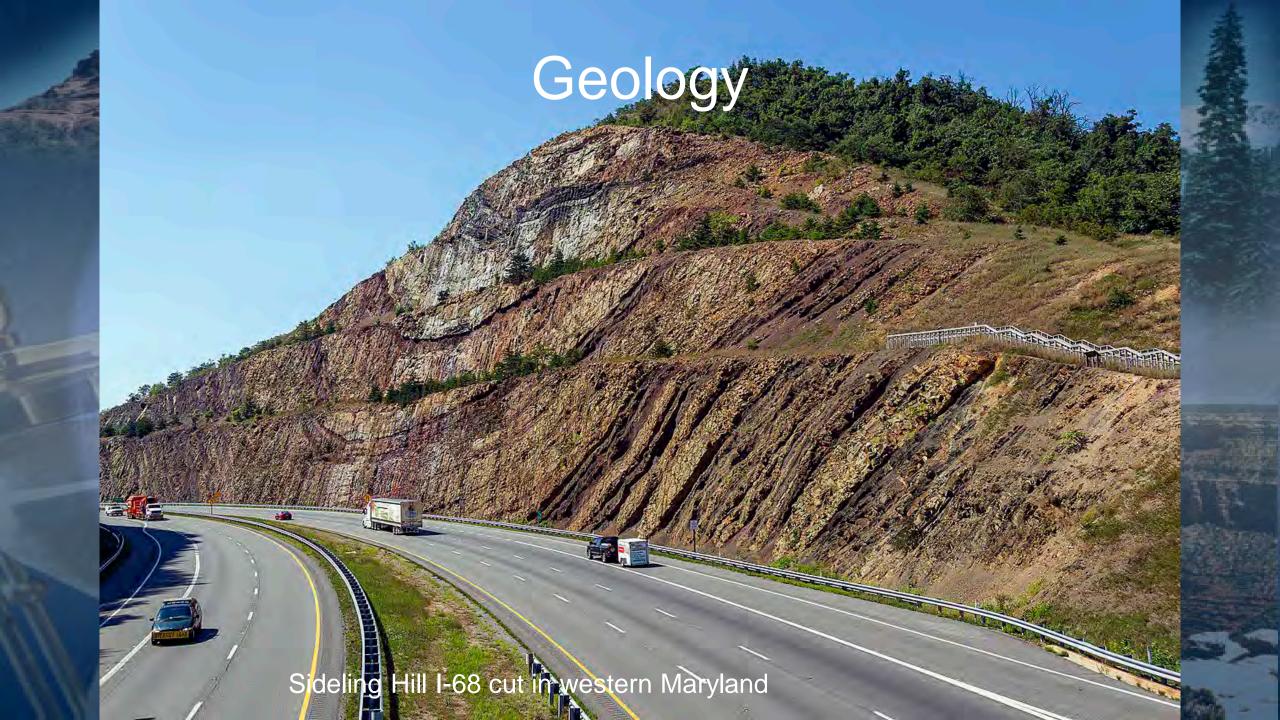
















From the 10 June 1886 eruption of Mt. Tarawera in New Zealand



Petrified bowler hat





Petrified bag of flour



Originally either medicine or lamp fuel. Now, solid rock.



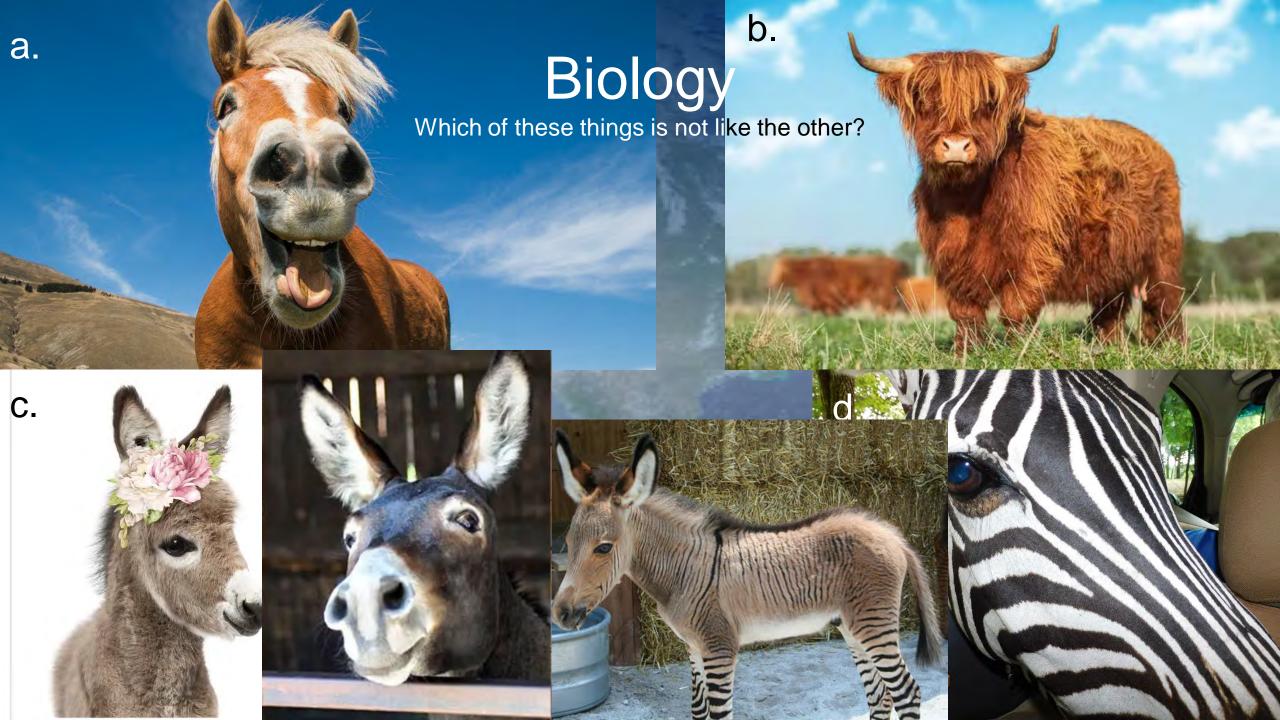
Fossilized Butter



Found in a bog in County Tyrone, Northern Ireland



This ~1000 year old keg of butter also was found in a bog. The top is solid rock, but underneath that, it's still butter!





'And God said, "Let the earth sprout vegetation, plants yielding seed, and fruit trees bearing fruit in which is their seed, each according to its kind, on the earth." And it was so. The earth produced vegetation: seed-bearing plants according to their kinds and trees bearing fruit with seed according to their kinds. And God saw that it was good.' – And God said, "Let the waters teem with living creatures, and let Genesis 1:11-12

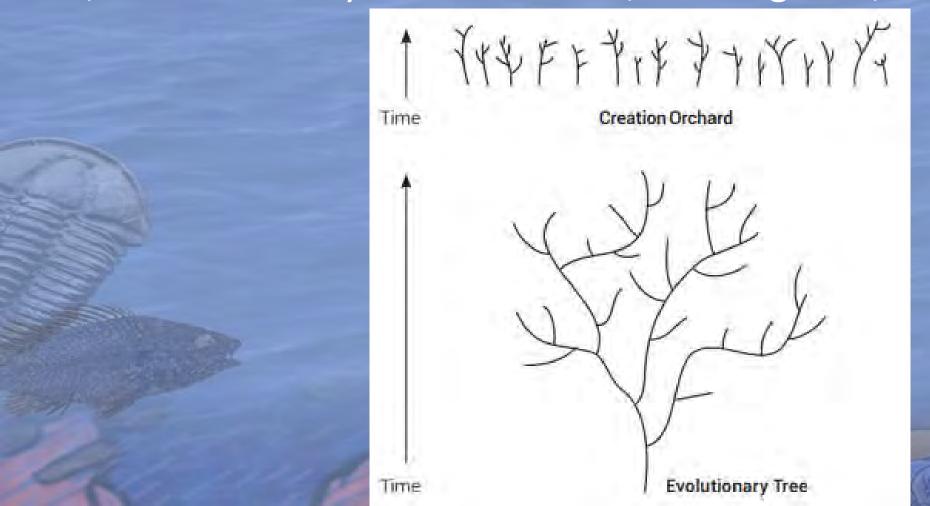
'And God said, "Let the waters teem with living creatures, and let birds fly above the earth in the open expanse of the sky." So God created the great sea creatures and every living thing that moves, with which the waters teemed according to their kinds, and every bird of flight after its kind. And God saw that it was good.' – Genesis 1:20-21

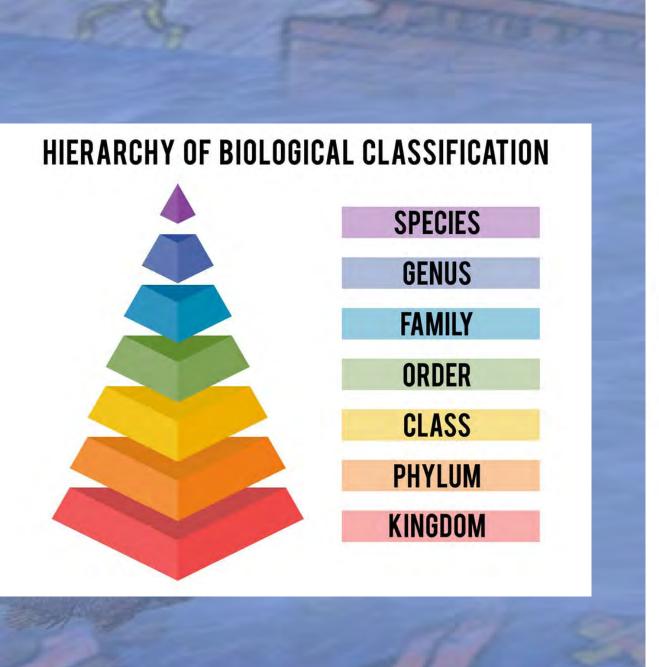
'And God said, "Let the earth bring forth living creatures according to their kinds: livestock, land crawlers, and beasts of the earth according to their kinds." And it was so. God made the beasts of the earth according to their kinds, the livestock according to their kinds, and everything that crawls upon the earth according to its kind. And God saw that it was good.' - Genesis 1:24-25

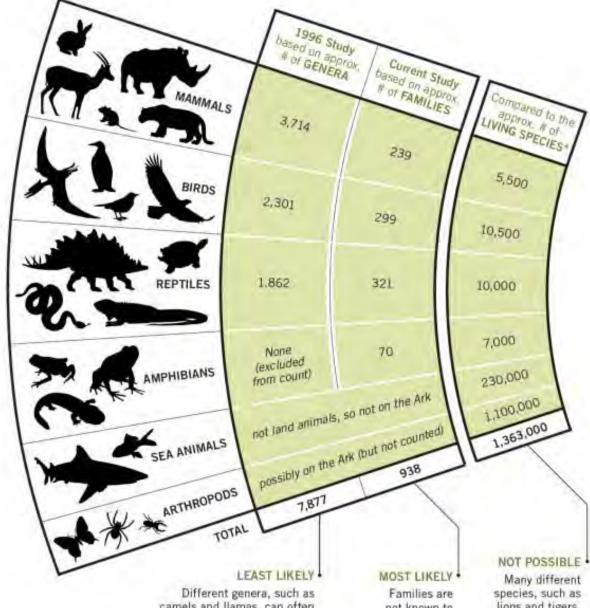
'And you are to bring two of every living creature into the ark—male and female—to keep them alive with you. Two of every kind of bird and animal and crawling creature will come to you to be kept alive. You are also to take for yourself every kind of food that is eaten and gather it as food for yourselves and for the animals."' – Genesis 6:19-21

'You are to take with you seven pairs of every kind of clean animal, a male and its mate; a pair of every kind of unclean animal, a male and its mate; and seven pairs of every kind of bird of the air, male and female, to preserve their offspring on the face of all the earth.' – Genesis 7:2-3

- The Hebrew word translated "kind" does not equate to our modern notion of species. With a few exceptions in either direction, it is probably more at the family level.
- So, there was only one horse kind, one dog kind, one cat kind, etc.







Different genera, such as camels and llamas, can often interbreed. So these would not be separately created "kinds." The "kind" may be at this level in a small number of cases.

Families are not known to interbreed. In most cases this is likely representative of the biblical "kind." Many different species, such as lions and tigers, can interbreed. So these would not be separately created "kinds."

- Mercury has a magnetic field with rapidly decreasing intensity that was predicted by Russell Humphreys many years before discovery, based on a model of a young Mercury initially made of water (Genesis 1:2). He actually slightly underpredicted the rate of decrease! (No "big banger" predicted it would have a magnetic field at all.) It also has ice in places (The daytime temperature there is hot enough to melt lead!)
- Venus rotates in retrograde (backwards), which goes against the nebular hypothesis. It is also very chemically different than Earth, even though it's our closest neighbor and thus should be similar. Under all those clouds is a very fresh looking surface.

- Mars has abundant evidence of past water-based catastrophism and heavy vulcanism. (sound familiar?). Also, its two tiny moons are in very unstable orbits.
- Jupiter has argon, xenon, and krypton in high concentrations that cannot be explained by evolutionary models. The evolutionary accretion disk model says it should have a large rocky core with 10 to 30 times the mass of Earth. In reality its core is 6x Earth's mass at maximum. It might not even exist at all. The core accretion model actually can't even account for Jupiter's existence.
 - Its moon lo is far too hot for it to have existed as long as it has supposed to be there (even with Jupiter squeezing it).
 - Its biggest moon, Ganymede has a weak magnetic field, when the dynamo that supposedly created it should have frozen long, long ago.

- Saturn's rings are bright and shiny new-looking, even according to evolutionists. Furthermore, some of the rings are so delicate that they would disappear within decades without constantly being resupplied by the moon Enceladus (How long could that go on?) Its magnetic field perfectly aligns with its spin axis, which dynamo theory (the evolutionary explanation for planetary magnetic fields) doesn't allow. Plus, Saturn is even less dense than Jupiter (It could float in water!).
 - The moon Titan's methane atmosphere has an upper limit of 10 million years.

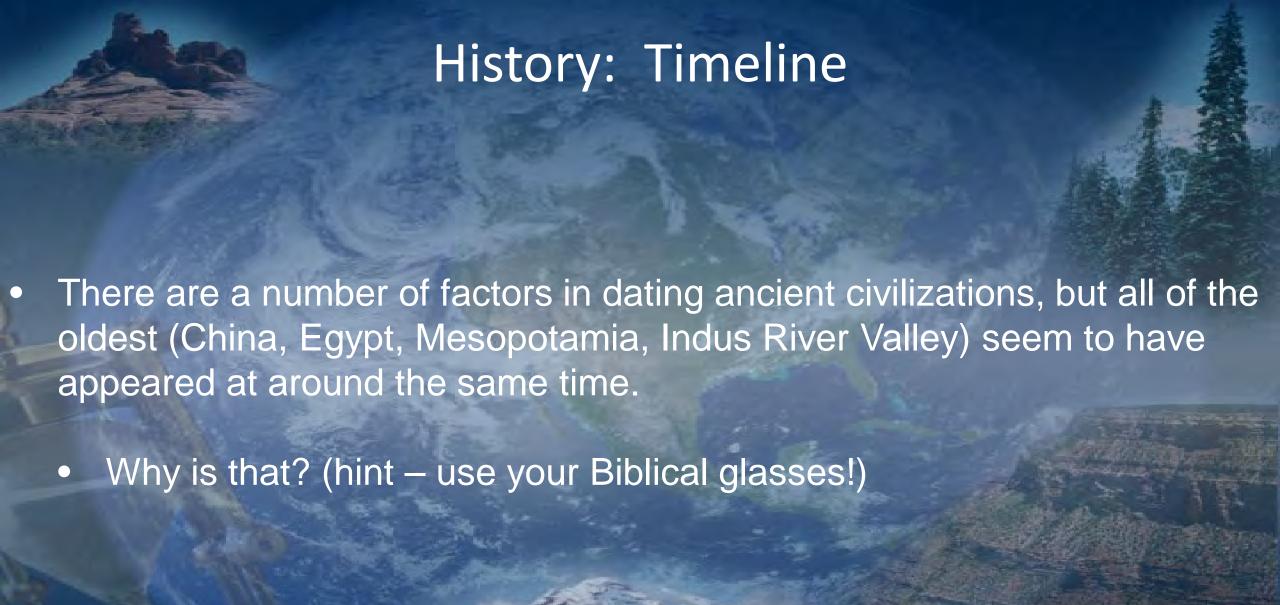
- rolls around on its side, along with its (almost invisible) rings and moons. It shows absolutely no signs of a catastrophic collision that supposedly caused this, which wouldn't explain the moons' orbits, anyway. Even stranger, its magnetic field is tilted ~60 degrees with respect to its axis. Although that was a surprise to everyone, its strength was correctly predicted by Russell Humphreys (and no one else) 2 years before it was discovered!
 - The moon Miranda is one of the strangest objects in the Solar System and completely defies all evolutionary explanations.

- Neptune has winds reaching almost 1,300 mph with huge storms that are constantly changing. It actually generates heat, radiating over twice the energy it receives from the Sun! Russell Humphreys also correctly predicted its magnetic field based on a recent creation that started with water. Just like Jupiter, Saturn, and Uranus, it should not even exist in the first place in the evolutionary origin model.
- Triton has "water volcanism" the heat source cannot be explained by tidal pulls from Neptune because its orbit is almost perfectly circular (and backwards!)

- Pluto is rapidly losing nitrogen ~500 tons every hour, but it has a notable atmosphere which shouldn't still exist! It's got very fresh looking ice (glaciers, geysers, and 11,000 ft. high ice mountains), and most of the surface has very few craters, indicating active geological processes.
 - Charon shows signs of resurfacing with three to six mile deep canyons. It is so tiny, its any heat source to cause the resurfacing should have dissipated LONG, LONG ago.
- Comets burn up extremely quickly, and there is no evidence for their source.

History: Languages

- Try as they might, linguists cannot tie all the various languages of the world back to one source.
- There are multiple language families that are completely unrelated to one another.
 - Many families can be broken down into subfamilies. For instance, Indo-European has 8 surviving today: Albanian, Armenian, Balto-Slavic, Celtic, Germanic, Hellenic, Indo-Iranian, and Italic, and anywhere from 2 to 9 that are now extinct.
 - All of the subfamilies within a family can be shown to be related to one another but not to any outside the family.
- Note that while the concept is similar, a language family is not like the biological "kind" in that members of different families can mix to create something new (for example, Yddish).



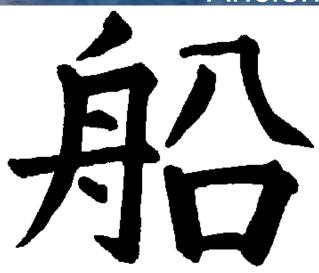
The Big Timeline by Sebastian Adams can be bought in the bookstore!

History: Post-Babel

- Using the lens of the Bible, it's clear that everyone is descended from those on the Ark.
- Therefore, in the history of every people group, there was a time when they knew God.
- For many, that knowledge got distorted or completely lost over time after the dispersion from Babel, some more quickly than others.
- God specifically revealed more of Himself to Abraham and his descendants, but there were other cultures that clung onto what they knew and passed it down through the generations.
 - Biblical Example: Job

"For since the creation of the world His invisible attributes, both His eternal power and divine nature, have been clearly seen, being understood through what has been made, so that they are without excuse." – Romans 1:20

An Example of Biblical Truth Remembered in Ancient Cultures: China



boat

并八口 vessel eight people

The Discovery of Genesis, C.H. Kang and Ethel Nelson, p. 55



to covet, desire



two women to covet, trees desire

An Example of Biblical Truth Remembered in Ancient Cultures: China



to create

speak dust, life walk

mud



complete, finish

二十儿二元 two person first

元+ 中 = 完 first home complete

An Example of Biblical Truth Remembered in Ancient Cultures: China



forbidden, to warn



two trees



God
(abbreviated form)



garden

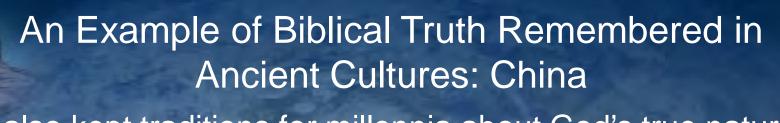
$$\pm + \Box + + \Box = \Box$$

dust breath two enclosure garden

persons



 $\Delta + L + H + J = 鬼$ secret man garden [alive] devil



- The Chinese also kept traditions for millennia about God's true nature and how to worship Him properly. They even had a Day of Atonement, strikingly similar to what we see described in the Old Testament, where the Emperor would act as the High Priest.
 - They knew about God having the natural attributes of being sovereign, eternal, immutable, all-powerful, all-knowing, ever-present, and infinite.
 - They also knew about His moral attributes of being love, holy, full of grace, faithful, good, merciful, compassionate, just, righteous, and wise.
- Interestingly, there are also records there of the Star of Bethlehem (both of its appearances) and an alarming three hours of darkness 30 something years later.

Another Biblical Truth that Ancient Cultures seemed to Know: The Triune God

There is evidence that the earliest Egyptians knew something of the Trinity as seen on a carving on an ivory comb of a King Zet, but there are also preserved psalms written to the true God (known to them as "Aton". Here are some examples:

O God alone, beside Whom there is no other, when the fledgling in the egg chirps in the shell, Thou givest him breath therein to preserve him alive. When Thou hast brought him together, to the point of bursting it in the egg, he cometh forth from the egg to chirp with all his might. He goeth about on his two feet when he hath come forth therefrom.

O God alone, besides Whom there is no other, how manifold are Thy works! They are hidden from before us, O God alone, Whose powers no other possesseth. Thou didst create the earth according to Thy pleasure whilst Thou was alone. Men, all cattle large and small, all that are upon the earth that goeth about on their feet; all that are on high that fly with their wings.... Thou settest every man into his place. Thou suppliest his necessities. Everyone has his possessions and his days are reckoned. The tongues are diverse in speech, their forms likewise and there skins are distinguished, for Thou makest different the strangers.

An excerpt of another one reads "How excellent are Thy designs, O Lord of Eternity!"

Another Biblical Truth that Ancient Cultures seemed to Know: The Triune God

- The ancient Indians remembered Japheth as Pra-Japati (Father Japheth), but they saw him as the creator of all things, as a sort of trinity.
- The ancient Hawaiians knew that the Creator is a triune Godhead, with the three Persons called by them Kane, Ku, and Lono. Together, the triune God was referred to as *Hikapoloa Oie*, which means The Most Excellent One. (See *The Authenticity of the Book of Genesis* and *Echoes of Ararat* to learn what else they, and so many other cultures, knew!)
- The Saxons also thought of the Creator as a Trinity either as Odin, Vilja, and Vilis or Odin, Hoenir, and Lodur. (The real Odin was a descendent of Japheth, coming 16 or 17 generations later in the 5th-4th century BC, who migrated north with his people from Asgard (literally Asiagarden), in what is modern-day Turkey).)
- The Incans remembered the Creator as the Trinity Viracocha, Imaymana Viracocha, and Tocapo Viracocha, although they thought that the latter two were the sons of the first, yet still just as powerful.
- The Mayans knew the Godhead as Caculha Huracan, Chipi Caculha, and Raxa Caculha, remembering the pre-creation counsels of God (i.e. "Let us make man in our image")

Flood Legends

- Because all people on Earth are descended from Adam and Eve and then later Noah and his family, it is expected that knowledge of the true God or at least some memories of their ancestors' shared experiences, such as the Flood and the Tower of Babel, would be passed down in the cultural stories and myths.
- Nearly every ancient people group on Earth has a Flood story. Many include key details of what really happened, sometimes in civilizations far away from Mesopotamia.
 - For instance, the Toltecs recorded that there were 1716 years from Creation to the Flood (50 years off from what the genealogies in Genesis give). Then, men were destroyed by tremendous rains and lightning from the sky, and all the land, with no exception, was covered and submerged by water up to 15 cubits (caxtolmolatli) deep. A few survived the Flood in a "totlipetlocali" or closed chest. After they had multiplied, they erected a "zacuali" or tower of great height in order to take refuge if the world was flooded again. At that point their languages were confused and they went their separate ways, scattering over the Earth. The Toltecs, who came from seven friends and their wives who all spoke the same language after this event, passed great land and seas, lived in caves, and endured great hardships along their journey, finally reaching what would be their homeland after 104 years of wandering and 520 years after the Flood. They also recorded that there was one day when the sun stood still in its place for a day without moving.
 - The Toltec civilization vanished 400 years before the Spanish got to that area, but they left behind written
 records that a small number of people could still read when they were discovered because they spoke the
 same language.

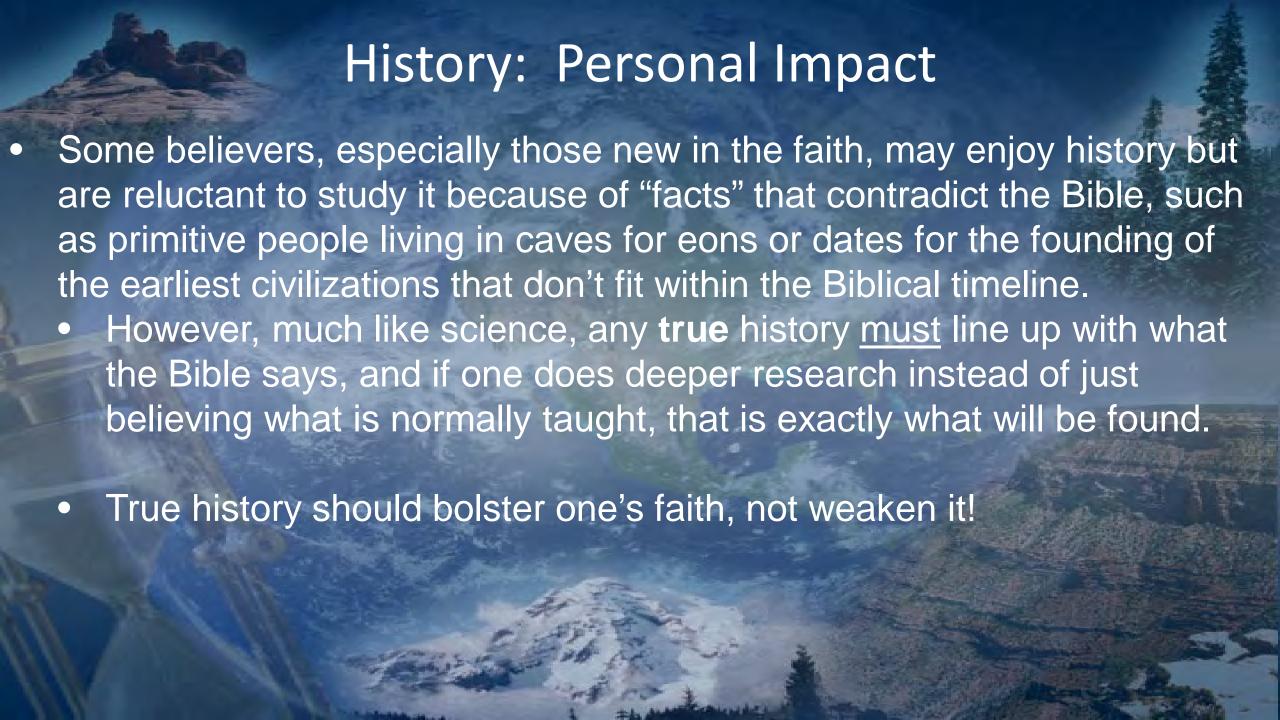
Flood Legends

- For many cultures, most of the memories of the Flood were lost, and some only remembered that there was a
 Flood, believing that their ancestors took refuge on some local tall mountain or an unusually tall tree.
- Nevertheless, even for some of these people groups who could only remember that a tall place (in reality "the
 mountains of Ararat") was involved and not that it, too, had been inundated, they did keep track of other details.
- One notable instance of this is that the tribes indigenous to New York State had a tradition that the Atlantic Ocean
 once overflowed its banks, causing a tremendous flood.
- The people had received advance tidings on the subject from Gitchie Manito, the Great Spirit, which enabled them
 to save themselves and their chosen animals and birds by ascending to the summit of Tahawus, now known as
 Mt. Marcy, the highest point in the Adirondack Mountains and the only one not submerged by this flood (according
 to the legend).
 - All their human enemies, races of gigantic white and yellow men who were constantly at war with them and the huge, serpentine sea and land animals, bat-winged and griffin-clawed, which preyed on them were drowned.
- On the 4000th anniversary of their deliverance, people gathered from all over the region and many different tribes
 on the slopes of Mt. Marcy to hold appropriate exercises of thanksgiving and observance.
 - A powerful chief named Kowatgochee (Wild Cat) from the upper valley of the "Otzinachson" [I think this is the West Branch of the Susquehanna River.] who was known far and wide for his historical knowledge, fine character, and oratory prowess, was the keynote speaker at this momentous occasion.
- 4000 years from the Flood would be around the year 1653. There is no mention of this event in early settlers' records, so it's possible that none of them knew about it at the time, but it must have been quite an event!

Source: Liguori, Nick, Echoes of Ararat, Master Books, 2021, p. 114-115

Nations

- Some nations, in addition to retaining some sort of Flood legend and maybe garbled memories of other events shared by everyone's ancestors, retained detailed royal genealogies going back to Noah (or further) or to one of his children.
 - Examples:
 - The Irish people have always traced themselves back to Magog, son of Japheth
 - The Hmong (also called Miautso) people of China trace their ancestry back to "Go-men" (Gomer), whose father was "Jah-phu" and whose uncles were "Lo Han" and "Lo Shen". Go-men's grandfather was "Nuah", and several generations before him, the first man was named "Dirt".
 - These records exist from times before there was any Christian influence.



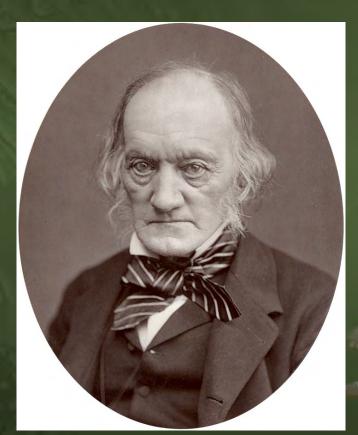
Dragons or Dinosaurs?

- Creation Science can also help a person see that two seemingly different topics are one and the same.
 - Dragons are featured in legends and stories from cultures around the world as (usually) large, reptilian, and sometimes fire-breathing (although those get the most media attention!). Stories abound of heroic knights slaying troublesome dragons to save fair maidens and whatnot.
 - Dinosaurs are extinct reptilian creatures, some of which grew to enormous proportions. Their fossils are found all over the world, and they supposedly died out 65 million years ago, well before humans came on the scene.
- Legends tend to based on nuggets of truth, so maybe dragons were real? Is there any proof?

Dragons -> Dinosaurs

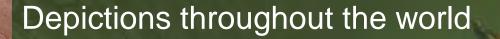
The reason we don't find dragon remains is all thanks to this guy:

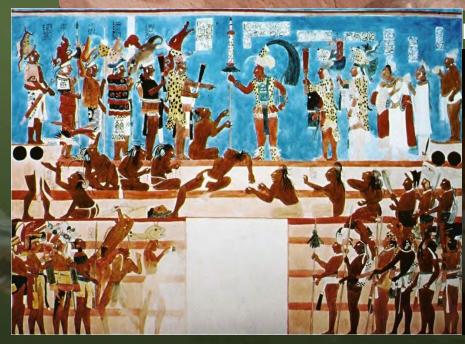
- Sir Richard Owen, the superintendent of the Natural History Department of the British Museum was a believer and staunch creationist.
- Later his fierce critiques of Darwin would cause the latter to once write to Huxley "I am burning with indignation ... I could not get to sleep until past three last night for indigestion."
- Before that, though, in 1841 he coined the term "dinosaur" (meaning "terrible lizard") to describe the fossils that were constantly being found. Before that, they were simply known as dragon fossils.
- His new term stuck, but dragon and dinosaur were used interchangeably by the founding fathers of paleontology.



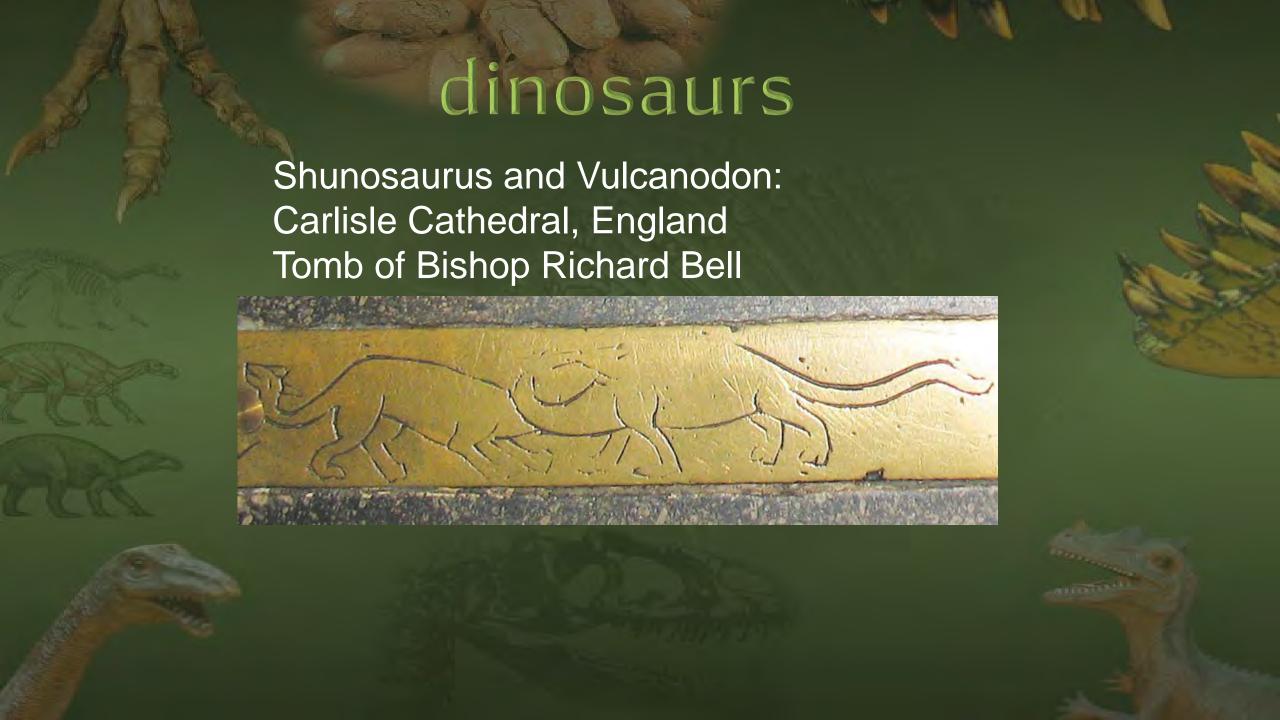


Sauropod petroglyph, Kachina Bridge, Utah





Deinonychus on Mayan mural at Bonampak



François I of France and his "salamanders"

Château de Chambord

Château Royal de Blois

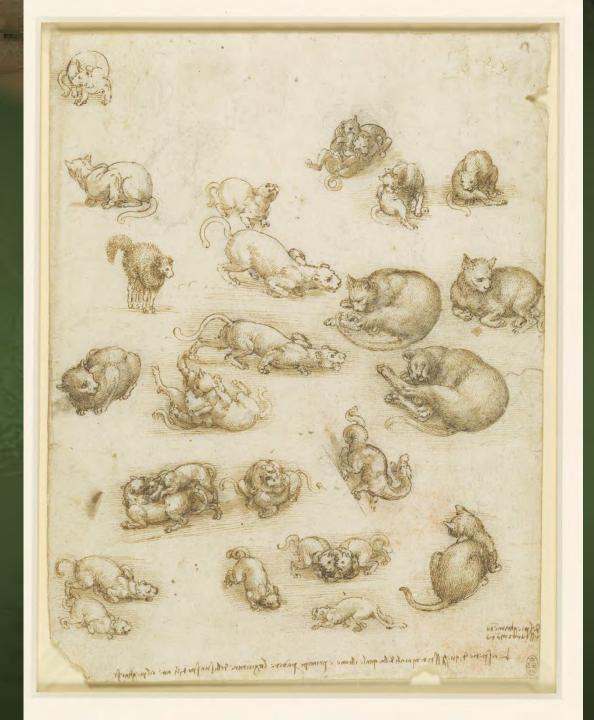




scales like Edmontosaurus Plateosaurus?

A sketch from Leonardo Da Vinci, c. 1517-1518

One of these things is not like the other...





Gryposaurus from 1800s in Mali



Stegosaur at Angkor Wat, Cambodia



"Dinosaur Death Pose"

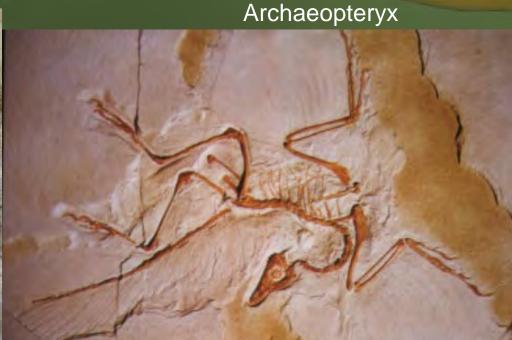
It is very common to find many species of dinosaur fossils in a very unnatural position with the head thrown back, hind limbs bent, and tail extended. Experiments with dead birds have shown that the only explanation for this is what is known as death throes: muscle spasms resulting from severe malfunction of the central nervous system due to

asphyxiation - they were buried alive.

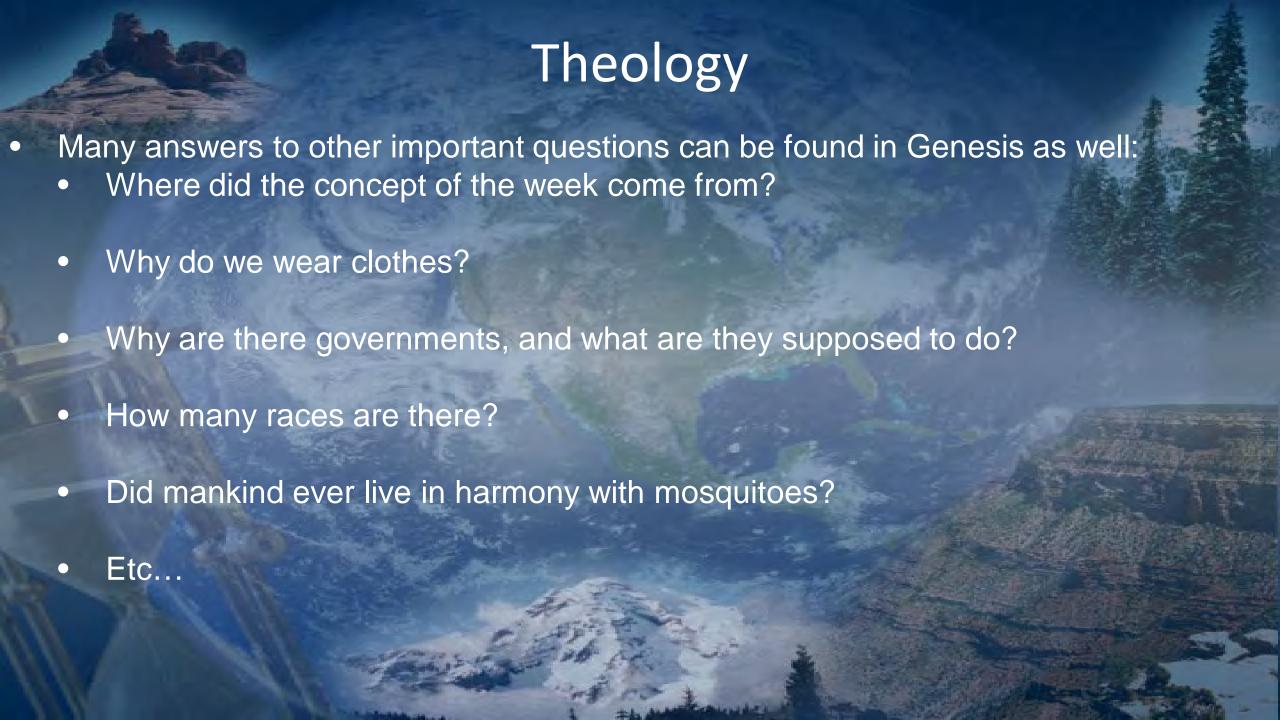
Sinosauropteryx

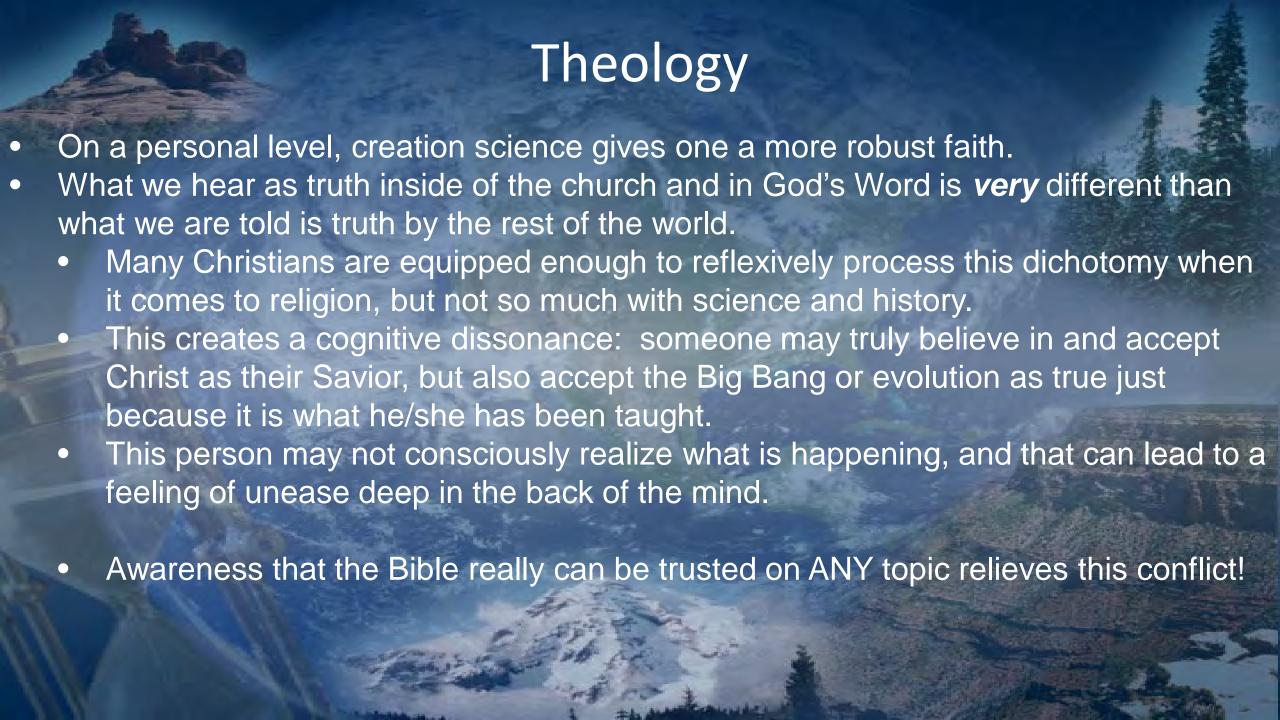
Struthiomimus











Faith

- "And Lord, haste the day when my faith shall be sight..." Horatio Spafford
- Although not what he had in mind when he wrote those lyrics, when you see just how much overwhelming evidence there is for what God has done, in a way, faith in Him becomes deeper, more akin to knowledge.
- "Now faith is the assurance of things hoped for, the <u>conviction</u> of things not seen." – Hebrews 11:1
- "Grace and peace be multiplied to you through the knowledge of God and of Jesus our Lord." – 2 Peter 1:2
- "For this very reason, make every effort to supplement your faith with virtue, and virtue with knowledge," – 2 Peter 1:5

Faith

- Still, belief in a Biblical creation is not salvific.
 - It is possible to completely believe Genesis but not believe in Christ.
 - Conversely, it is also possible to have saving faith in Christ but not take God at His Word in Genesis.
- It can be a powerful tool for evangelism, though!
 - Creation science can appeal to Muslims as it is a shared part of their faith (albeit their text is corrupted from the Truth).
 - Acts 17:22-32: Like our culture today, while in Athens, Paul found himself in a city with little Biblical knowledge, and thus he started from the beginning.
 - Unlike in the past, many today either don't believe in God or believe that if God exists, He'll let them into Heaven. They know that "God so loved the world", but don't know about His holiness.
 - The New Testament must be presented in its proper context because that context is unknown to our culture. The very definition of sin comes from Genesis!







- 1. Bibliology (Doctrine of the Scriptures) It's the first book of the Bible and establishes the basis for the big picture: Creation, Fall, Redemption (3:16), and Restoration
- 2. Theology Proper (Doctrine of God)
 - 13 names* for God are given in Genesis in total with two of those in Chapters 1-11: Elohim (1:1) and YHWH (2:4).
 - God is Creator, Lawgiver (first in 2:17 and then again in 9:4-6), Judge (Adam's sin, mankind in general with the Flood and Babel, and then later with Sodom and Gomorrah), and Savior as prophesied in 3:15 (but also with Noah and his family as well as Lot and his daughters)
 - The plurality of the Godhead is also established ("Let us make man in our Image", "Come, let us go down and there confuse their language."

^{*}The others are El Elyon (God Most High) in 14:18-22, El Roi (God of Seeing) in 16:13, El Shaddai (God Almighty) in 17:1, El Olam (Everlasting God) in 21:23, YHWH Yireh (God will provide) in 22:14, God of Abraham in 26:34, God of Abraham and Isaac in 28:13, Fear of Isaac in 31:42, 53, El Elohei Yisrael (God, the God of Israel) in 33:20, El Bethel (The God of the House of God) in 35:7, and The Mighty One of Jacob in 49:24

- 3. Christology (Doctrine of the Son) In 3:15, "the seed of the woman" implies a virgin birth. Eve understood that the Savior would be both man and God as her statement in 4:1 literally is "I have gotten a man: YHWH." Right theology, wrong application. Jesus appears in theophanies later in the book.
- 4. Pneumatology (Doctrine of the Holy Spirit) The Holy Spirit was active in Creation, hovering over the water (1:2), and He strives against sin (6:3).
- 5. Angelology Proper (Doctrine of Elect Angels) Angels first appear in 3:24 and are also present later in the book.
- 6. Satanology (Doctrine of Satan) Revelation 12:9 and 20:2 reveal that the serpent in the garden was Satan.
- 7. Demonology (Doctrine of Fallen Angels) Demons are the "Sons of God" in Chapter 6, trying to prevent the woman's Seed from arising.

- 8. Anthropology (Doctrine of Man)
 - God created both male and female equally in His Image. Man is the result of direct creative acts and did not evolve from apelike ancestors.
 - Man has both a material and immaterial aspects (2:17)
 - In mankind's original sinless state, men and women were to marry and have children (1:28, 2:24), work (2:15), and exercise dominion over the rest of creation (1:28).
 - Man fell into sin (3:1-8). Work becomes toil (3:17-18), and malefemale relationships are marred (3:16)
 - Death is the ultimate punishment for sin, which includes physical death (3:19) and separation from God (2:17)

- 8. Anthropology (Doctrine of Man) (continued) -
 - Only after the Fall are children actually conceived (4:1). One result of the Fall is that childbearing is very painful for women (3:16).
 - Men begin to keep animals and till the ground (4:2), build cities (4:17), make musical instruments (4:21), metal tools (4:22), and call on God's name (4:26).
 - After the Flood, man is commanded to execute murderers (9:5-6). This is the beginning of human government, which enables the authority under which punishment to constrain sin of various types can be meted out (Romans 13).
 - Origin of the nations, particularly the Gentiles (Chapter 10)
 - Origin of the main language families at Babel (11:1-9)
 - Origin of the Jewish nation (10:21-31, 11:10-50:26)

- 9. Hamartiology (Doctrine of Sin) -
 - Man's sinfulness and resulting death are because we all came from Adam (see Romans 5:12-21 and 15:20-23).
 - All of Creation is cursed because of the Fall.
 - Sin caused the death of Abel by murder, the exile of his murderer
 Cain, the worldwide annihilation of wicked humanity by the Flood, and
 the destruction of Sodom and Gomorrah.
 - Humans and animals were originally created vegetarian (1:29-30)
- 10. Soteriology (Doctrine of Salvation) Salvation is by grace through faith, not works (6:8, 15:6). Without the shedding of blood, there is no forgiveness of sin (4:4 and Hebrews 9:22). The first mention of atonement is in 6:14.

- 11. Israelology (Doctrine of Israel) The ancestry of Israel can be traced back generation by generation to Adam (Genesis 5, 11, 12:1-3, 17:19, 49:10). Gentiles are everyone who is not descended from Jacob.
 - God promised to bless the nations through Abraham, ultimately through a single Seed, the Messiah (Galations 3:16).
- 12. Ecclesiology (Doctrine of the Church) not directly related to Genesis per se, but without what is in it, the Church would not exist. The Church is comprised of Jewish and Gentile members in the Messianic Seed (12:3) and benefits from the spiritual blessings of the Abrahamic Covenant through this Seed.

- 13. Eschatology (Doctrine of Last Things)
 - Personal: Abraham, Ishmael, Isaac, and Jacob are each said to be "gathered to his people" when he dies. Rachel's death in 35:18 is equated with her soul departing. Heaven is the abode of God (28:12-13), where God took Enoch (5:24). The abode of the dead (before Christ) was Sheol (37:35, 42:38, 44:29-31).
 - General: In the Eternal State, there will be no death or suffering of any sort because there will be no more Curse (Revelation 22:3, Genesis 3). The Tree of Life will again be present, and God will again provide light Himself (Revelation 22:5 and Genesis 1:16-19). The big difference is that man will no longer be able to sin, unlike how it was at the beginning.

This list is courtesy of Chapter 3 of *The Genesis Account* by Jonathan Sarfati.