

# ORIGINS

Genesis 1-11

Session 11: Human Uniqueness and  
Conclusions

James River Community Church

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February – May 2013



# Outline

1. **Genesis 1-11 (Introduction)**
2. **Genesis 1:1-31 (Universe Part 1) – Big Bang Model**
3. **Genesis 1:1-31 (Universe Part 2) – Old and Young Earth Models**
4. **Genesis 1: 1-19 (Earth) – Days 1 to 4**
5. **Genesis 1: 1-19 (Earth) – Formation and Age**
6. **Genesis 1:20-24 (Life) – Origin of Plants and Animals**
7. **Genesis 1:13-25 (Evolution Part 1) – Fossils and Dinosaurs**
8. **Genesis 2:4b – 10:1b (Evolution Part 2) – Fossils and Flood**
9. **Genesis 6-9 (Creation) – Flood**
10. **Genesis 1-11 (Humans) – Creation, Races, and Languages**
11. **Genesis 5 and 11 (Humans) – Uniqueness & Conclusions**

On-line at <http://www.jamesrivercommunitychurch.org>

# Humans: Objectives

- Understand the Biblical explanation for the origins:
  - Human Life
  - Eden, Sin, and Death
  - Nations and clans
  - Languages
  - Personality, Morality, Spirituality
  - Genealogies
- Conclusions – This is one of the most important portions of scripture!

# Humans: Garden

- **Before the Fall, God placed man in a Garden (Literally, an enclosure or protected area) near Eden – Genesis 2:8-14:**
  - Eden – Fruitful or well-watered and to the east of the Promised Land
  - Trees good for food
  - Two trees in the middle (life and knowledge of good (pleasing, beautiful) and evil (bad, wrong))
  - River flowed from Eden to the Garden and branched into four rivers (later destroyed by the flood) - Pishon in Havilah (Source of Gold), Gihon in Cush, Tigris in Ashur, and Euphrates
  - Possibly, the Garden was on a mountain and filled with jewels (ruby, topaz, emerald, chrysolite, onyx, jasper, sapphire, turquoise, and beryl all surrounded by gold) – Ezekiel 28:13-14
- **After the Fall, cherubim with flaming sword prevented man from re-entry:** <sup>24</sup> “After God drove Man and Woman out, He placed on the east side of the Garden of Eden cherubim and a flaming sword flashing back and forth to guard the way to the tree of life (probably remained until the flood 1500 years later)” – Genesis 3:24



# Humans: Personality, Morality, Spirituality

## A Naturalist's understanding:

- **Theory of Mind** – “Humans possess an understanding that others have thoughts different than our own. Humans alone have secondary theory of mind allowing appreciation of complex interactions.”
- **Golden Rule** – “Humans ...engage in treating others as we want to be treated. There are examples in the animal kingdom. But humans understand others may not want the same things we do”
- **Empathy** – “Empathy is demonstrated by others in the animal kingdom, but humans have extended capacity to apply empathy. We can extend empathy across species, across time and apply to abstract areas”.
- **Delayed Gratification** – “Humans also have the unique ability to participate in delayed gratification and postponement of reward. Humans even demonstrate goal-directed behavior for abstract after-life rewards”.

## Who said this?

Robert Sapolsky, a primatologist, commencement address at Stanford University (2009)

# Humans: Biblical Explanation

- Genesis 1:26 – <sup>26</sup> Then God said, “Let us make mankind in our image, in our likeness...”
- Genesis 1:31 – <sup>31</sup> God saw all that he had made, and it was very good
- Genesis 5:1 – <sup>1</sup> This is the written account of Adam’s family line. When God created mankind, he made them in the likeness of God
- Genesis 9:6 – <sup>6</sup> “Whoever sheds human blood, by humans shall their blood be shed; for in the image of God has God made mankind”
- Job 33:4 – <sup>4</sup> “The Spirit of God has made me; the breath of the Almighty gives me life.”
- Matthew 19:4 – <sup>4</sup> “Haven’t you read,” Jesus replied, “that at the beginning the Creator ‘made them male and female’”
- Acts 7:26 – <sup>26</sup> From one man he made all the nations, that they should inhabit the whole earth; and he marked out their appointed times in history and the boundaries of their lands.

## 1. Man and woman are unique creations of God:

# Humans: Biblical Explanation

- Genesis 2:16-17 – <sup>16</sup> And the LORD God commanded the man, “You are free to eat from any tree in the garden (including tree of life);<sup>17</sup> but you must not eat from the tree of the knowledge of good and evil, for when you eat from it you will certainly die.”
- Genesis 3:19 – <sup>19</sup> By the sweat of your brow you will eat your food until you return to the ground, since from it you were taken; for dust you are and to dust you will return

**2. Adam only had one law to obey.....By eating from the first forbidden tree, Adam forfeits his immortality, intimacy with God, and is subject to a physical death as a direct result of disobedience to God (He still lived 930 years). He is now spiritually separated from God**

# Humans: Biblical Explanation

- Genesis 3:7 – <sup>7</sup> Then the eyes of both of them were opened, and they realized they were naked (they knew they were now sinners); so they sewed fig leaves together and made coverings for themselves (which were too small)
- Genesis 3:15 – <sup>15</sup> “And I will put enmity between you (serpent, i.e. Satan) and the woman, and between your offspring (spiritually, i.e. John 8:44) and hers (seed, i.e. Jesus); he will crush your head (i.e., defeat of Satan and death at the Jesus’ Death and Resurrection), and you will strike his heel (i.e., suffering on the Cross)
- Genesis 3:21 – <sup>21</sup> The Lord God made garments of skin for Adam and his wife and clothed them (The first death was a sacrifice).

**3. In God’s grace, a blood sacrifice was required to pay for sin. God sacrifices an animal, that He created, to “cover” Man (i.e. a type of Christ) until the coming of Jesus. God promises that man’s redemption will come from “her seed” - Jesus**

- a) GARMENTS (COATS): Heb "kethoneth": Special ceremonial coats, used 4 other times in OT (Gen 37:3 for Joseph). Refers to a priestly garment!



# Humans: Biblical Explanation

- Genesis 3:22 – <sup>22</sup> And the Lord God (Jesus) said, “The man has now become like one of us (trinity), knowing good and evil. He must not be allowed to reach out his hand and take also from the tree of life and eat, and live forever.”
- Revelation 22:1-3 and 14 – <sup>1</sup> Then the angel showed me the river of the water of life,...<sup>2</sup> On each side of the river stood the tree of life, bearing twelve crops of fruit, yielding its fruit every month. And the leaves of the tree are for the healing of the nations. <sup>3</sup> No longer will there be any curse.... <sup>14</sup> “Blessed are those who wash their robes, that they may have the right to the tree of life and may go through the gates into the city.’

## 4. Was this punishment or mercy?

- **Both!**
  - **Punishment for disobedience**
  - **Mercy** – To protect them from eating of the tree of life and living forever in a state of death and alienation
- **Knowing Good and Evil** – Man has now “experienced” or “witnessed” the full dimension of the conflict of good and evil, as celestial creatures had previously known
- **Tree of Life** – Provided physical immortality. Adding a second law was not going to work.
- **If God left Adam in the Garden, his immortality could have been regained by eating of the second forbidden tree, making men’s state of death and alienation permanent**

# Creation: Biblical Explanation

- Romans 5:12-14 – <sup>12</sup> Therefore, just as sin entered the world through one man, and death through sin, and in this way death came to all people, because all sinned — <sup>13</sup> To be sure, sin was in the world before the law was given, but sin is not charged against anyone's account where there is no law. <sup>14</sup> Nevertheless, death reigned from the time of Adam to the time of Moses, even over those who did not sin by breaking a command, as did Adam, who is a pattern of the one to come
- Romans 5:18-19 – <sup>18</sup> Consequently, just as one trespass resulted in condemnation for all people, so also one righteous act resulted in justification and life for all people. <sup>19</sup> For just as through the disobedience of the one man the many were made sinners, so also through the obedience of the one man the many will be made righteous
- 1 Cor. 15:21-22 – <sup>21</sup> For since death came through a man, the resurrection of the dead (*bodily as Christ did*) comes also through a man. <sup>22</sup> For as in Adam all die, so in Christ all will be made alive

**5. As a result of Adam's disobedience to God, all humans are now subject to a physical (and spiritual) death. Therefore, the theory of evolution of humans is incompatible with scripture.**

# Humans: Biblical Explanation

- Romans 8:20-22 – <sup>20</sup> For the creation was subjected to frustration, not by its own choice, but by the will of the one who subjected it, in hope <sup>21</sup> that the creation itself will be liberated from its bondage to decay and brought into the freedom and glory of the children of God. <sup>22</sup> We know that the whole creation has been groaning as in the pains of childbirth right up to the present time.
- Genesis 3:17 – <sup>17</sup> To Adam he said, “Because you listened to your wife and ate fruit from the tree about which I commanded you, ‘You must not eat from it,’ “Cursed is the ground (adamah) because of you; through “painful” toil you will eat food from it all the days of your life.

## 6. Impacts of sin were felt on all creation

# Humans: Biblical Explanation

- Romans 1:18-25 – <sup>20</sup> For since the creation of the world God’s invisible qualities—his eternal power and divine nature—have been clearly seen, being understood from what has been made, so that people are without excuse. <sup>21</sup> For although they knew God, they neither glorified him as God nor gave thanks to him, but their thinking became futile and their foolish hearts were darkened. <sup>22</sup> Although they claimed to be wise, they became fools <sup>23</sup> and exchanged the glory of the immortal God for images made to look like a mortal human being and birds and animals and reptiles.... <sup>25</sup> They exchanged the truth about God for a lie, and worshiped and served created things rather than the Creator—who is forever praised. Amen(!) <sup>32</sup> Although they know God’s righteous decree that those who do such things deserve death, they not only continue to do these very things but also approve of those who practice them.
  - John 1:14 – The Word became flesh and dwelt among us
  - John 2:18-22 – <sup>18</sup> The Jews then responded to him, “What sign can you show us to prove your authority to do all this?”<sup>19</sup> Jesus answered them, “Destroy this temple, and I will raise it again in three days.”<sup>20</sup> They replied, “It has taken forty-six years to build this temple, and you are going to raise it in three days?” <sup>21</sup> But the temple he had spoken of was his body. <sup>22</sup> After he was raised from the dead, his disciples recalled what he had said. Then they believed the scripture and the words that Jesus had spoken.
- 7. God became a physical human, died a physical death, and resurrected bodily**

# Humans: Peoples and Languages

- **At Babel, God scatters the descendants of Noah (100 years after flood) which inhibits genetic interbreeding:** <sup>1</sup>Now the whole world had one language and a common speech.... <sup>8</sup> So the LORD scattered them from there over all the earth, and they stopped building the city. <sup>9</sup> That is why it was called Babel (“confusion”)—because there the LORD confused the language of the whole world. From there the LORD scattered them over the face of the whole earth – Genesis 11:1, 8-9.

## How did we get languages and people groups?

- Prior to “confusion” – all mankind spoke the same language.
- Families or tribes of people were given a common language by God and they separated from other groups speaking a different language. This division was not based on skin color or physical characteristics, but on familial relationships. Genesis 10:5 states that God divided them by language, family and nations (probably Babel, 100 years after the Flood)
- God scattered them over the entire surface of the world, i.e. they began to migrate in all directions away from Babel.
- The “scattering” of these groups all over the earth, which created genetic isolation and thus the origin of distinct people groups. Dominant genes emerged quickly

# Humans: Peoples and Languages

- Primitive languages: No group of human beings today, even those living in a stone-age culture, speak what could be conceived of as a primitive language.
- Genesis 11 explains Genesis 10:
  - Sons of Japheth – “Clans, nations,...Each with its own language” Gen 10:2-4
  - Sons of Ham – “...by their clans and languages...nations” Gen 10:5-20
  - Sons of Shem – “...by their clans and languages...nations” Gen 10:21-31
- The people scattering from Babel probably represented about 70 basic languages, judging from the seventy ancestral tribes listed in the Table of Nations (Genesis 10). These have, in time, proliferated into many others.

“Nobody knows how it (language) began....Equally obscure is the origin of semantics; of words and their meaning...all the thousands of languages in the world are very complex (some say they are all exactly equally complex). I am biased towards thinking it was gradual, but it is not quite obvious that it had to be. Some people think it began suddenly, more or less invented by a single genius in a particular place at a particular time – *Richard Dawkins (Evolutionary biologist)*”

# Humans: Peoples and Languages

- In his book, *Eve Spoke*, evolutionist Philip Lieberman admitted:  
*“Speech is so essential to our concept of intelligence that its possession is virtually equated with being human. Animals who talk are human, because what sets us apart from other animals is the “gift” of speech”*[emphasis in original].
- In *The Cambridge Encyclopedia of Human Evolution*, editors Jones, Martin, and Pilbeam conceded that ‘there are no non-human languages,’ and then went on to observe that ‘language is an adaptation unique to humans, and yet the nature of its uniqueness and its biological basis are notoriously difficult to define’
- In his book, *The Symbolic Species: The Co-Evolution of Language and the Brain*, Terrance Deacon noted:  
*“In this context, then, consider the case of human language. It is one of the most distinctive behavioral adaptations on the planet. Languages evolved in only one species, in only one way, without precedent, except in the most general sense. And the differences between languages and all other natural modes of communicating are vast.”*

# Humans: Genealogies

1. **Genesis 4:17-24 – Cain to Lamech (and sons)**
2. **Genesis 10:1-31 – Japheth to Javan (and sons); Ham to Canaan (Sodom and Gomorrah); Seth to Joktan (and sons)**
3. **1 Chronicles 1:1-27 – Adam to Abraham but continues on to David**
4. **Luke 3:23-37 – Adam to Jesus**
5. **Genesis 5 (with years) – Seth to Noah (and sons) and Genesis 11(with years) – Noah to Abraham**

*“<sup>3</sup> When Adam had lived 130 years, he “had a son (became the father of or begat)” in his own likeness, in his own image; and he named him Seth. <sup>4</sup> After Seth was born, Adam lived 800 years and had other sons and daughters. <sup>5</sup> Altogether, Adam lived a total of 930 years, and then he died.<sup>6</sup> When Seth had lived 105 years, he became the father of (or begat) Enosh.....” – Genesis 5:3-6*

- Hebrew - “yalad” – “Father of” or “begat” or “ancestor”. Same word in Gen 4:1 and 2, most of the time meaning direct child.
- Greek – “tou” – “The” or “of”. Masculine, singular



# Humans: Genealogies

- Three versions of the Genesis genealogy exist (Adam to Abraham):
  - Hebrew Masoretic Text (used to publish “Vulgate” in 405) – 1946 years
  - Greek Septuagint – 3412 years
  - Hebrew Samaritan Pentateuch – 2377 years
- Translations from the Masoretic Text are used by Western Christians, including Roman Catholics and Protestants and by followers of Orthodox Judaism
- Greek version is used by Eastern Christians, including Eastern Orthodox, Coptic, Ethiopic, Jacobite and Armenian.
- Samaritan version of the Pentateuch is used mainly by the Samaritans.
- Bottom line though is we may be missing some generations but not enough to warrant a significant departure from the Adam’s creation being 4000-6000 years BC

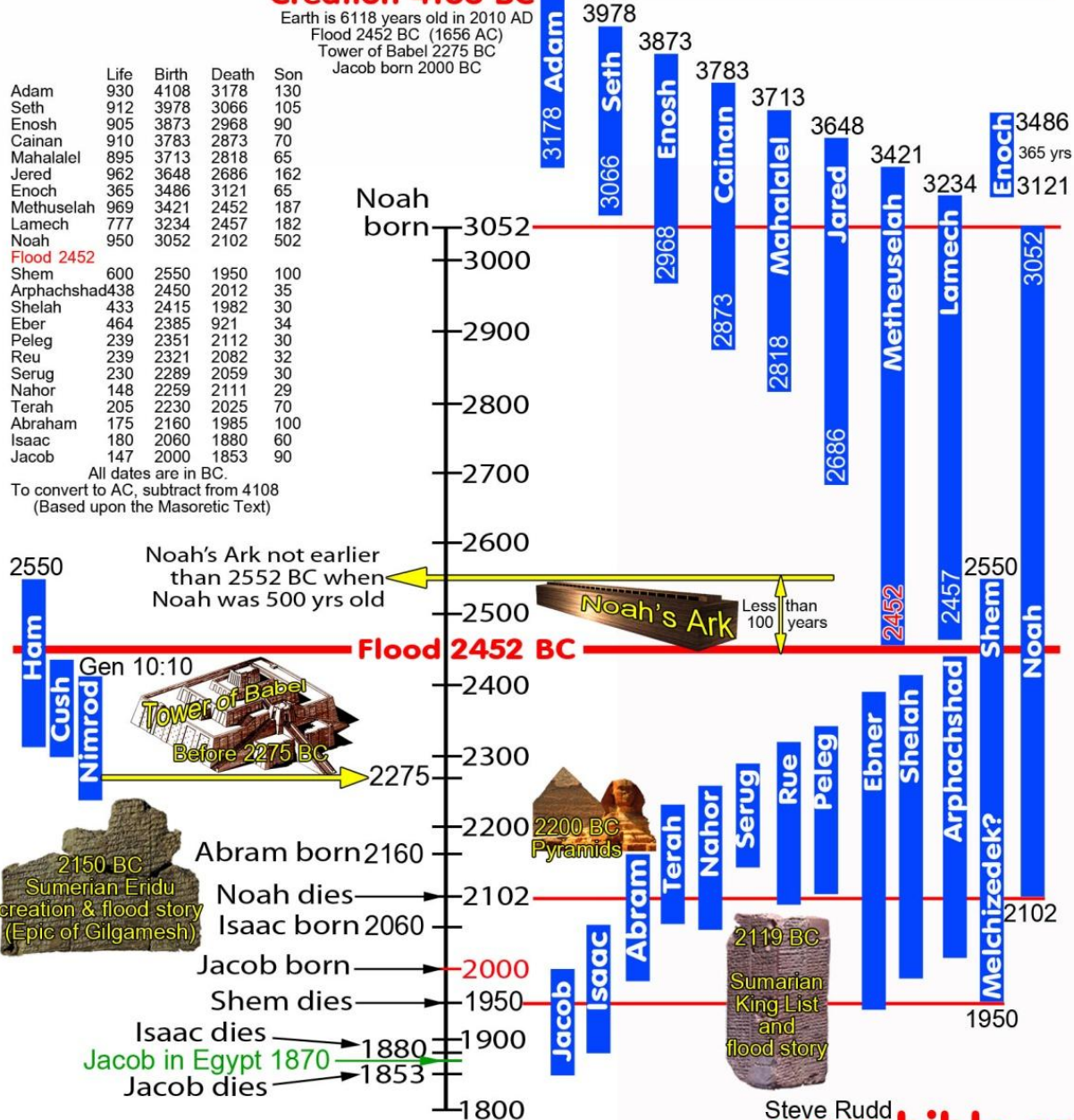
# Creation and Flood Timeline (BC)

## Creation 4108 BC

Earth is 6118 years old in 2010 AD  
 Flood 2452 BC (1656 AC)  
 Tower of Babel 2275 BC  
 Jacob born 2000 BC

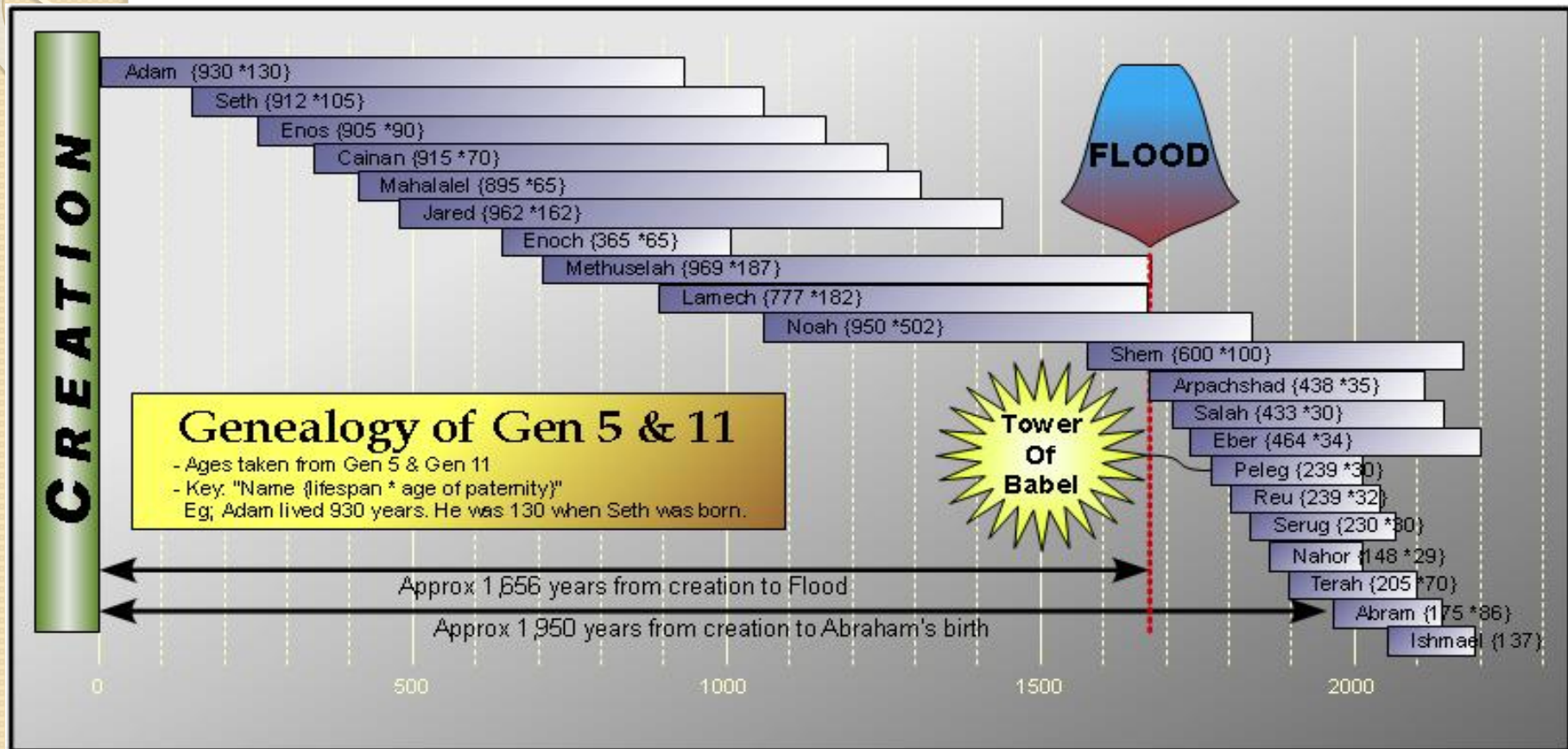
	Life	Birth	Death	Son
Adam	930	4108	3178	130
Seth	912	3978	3066	105
Enosh	905	3873	2968	90
Cainan	910	3783	2873	70
Mahalalel	895	3713	2818	65
Jered	962	3648	2686	162
Enoch	365	3486	3121	65
Methuselah	969	3421	2452	187
Lamech	777	3234	2457	182
Noah	950	3052	2102	502
<b>Flood 2452</b>				
Shem	600	2550	1950	100
Arphachshad	438	2450	2012	35
Shelah	433	2415	1982	30
Eber	464	2385	1921	34
Peleg	239	2351	2112	30
Reu	239	2321	2082	32
Serug	230	2289	2059	30
Nahor	148	2259	2111	29
Terah	205	2230	2025	70
Abraham	175	2160	1985	100
Isaac	180	2060	1880	60
Jacob	147	2000	1853	90

All dates are in BC.  
 To convert to AC, subtract from 4108  
 (Based upon the Masoretic Text)



The foundation of this chronology is Jacob's birth in 2000 BC

# Humans: Literal Timeline



\*From James Ussher, 1650

# Humans: Genealogies

## Genesis & 1 Chronicles

**Adam**

Sheth

Enosh

Kenan

Mahalalel

Jered

Enoch

Methuselah

Lamech

**Noah**

## Luke

**1. Adam**

2. Seth

3. Enosh

4. Cainan

5. Maleleel

6. Jared

7. Enoch

8. Mathuselah

9. Lamech

**10. Noah**

## Genesis & 1 Chronicles

**Noah**

Shem

Arpachshad

-

Shelah

Eber

Peleg

Reu

Serug

Nahor

Terah

**Abraham**

## Luke

**10. Noah**

11. Shem

12. Arphaxad

**13. Cainan\***

14. Shelah

15. Eber

16. Phalek

17. Raga

18. Saruch

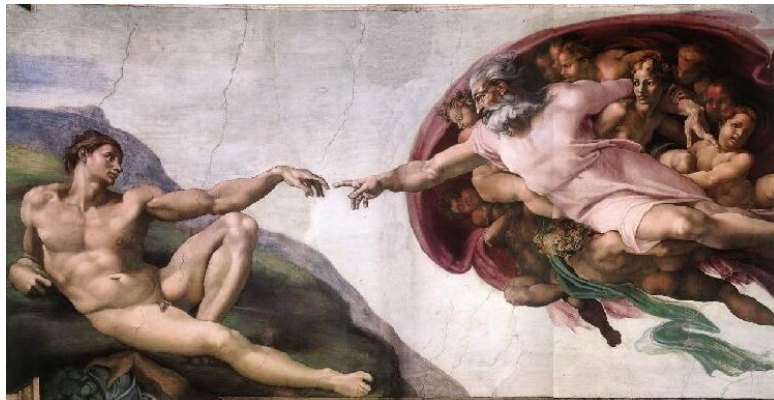
19. Nachor

20. Terah

**21. Abraham**

\* from Septuagint not Masoretic

# Conclusions



“Creation” – Michelangelo  
1512 Sistine Chapel, Vatican

# Conclusions: Universe

## Big Bang Theory

- **When?** 13.75 Billion years ago
- **How?** An expansion of all mass and energy and time at singularity
- **What are major assumptions?**
  - 96% dark matter and dark energy that have never been observed
  - Speed of light is constant and unaffected by other sources (e.g. gravity)
  - Geometry can only measure up to about 500 light years
  - Shift in red and blue light is very subjective this far away

## Bible

- **When?** 6000-10,000 years ago
- **How?** God spoke it into existence from nothing
- **What are other possible interpretations?**
  - Gap Theory proposes the universe was created in Genesis 1:1 over 13.75 Billion Years ago
  - Progressive Creation Theory proposes that the universe was created in Genesis 1:1 over 13.75 billion years ago

# Conclusions: Earth

## Earth Formation Theory

- **When?** 4.54 Billion years ago
- **How?** Gravity pulled matter into spinning core, then “birthed” the moon
- **What are major assumptions?**
  - Requires a flat solar system from dark matter
  - Radiometric (K/Ar or U-235) dating is used to measure igneous rocks up to billions of years based on assumed half life (assumptions are difficult to validate)
  - Carbon-14 dating is used to measure organics up to 10,000 years
  - Recent volcanoes dated millions of years old
  - “Assuming that the Earth and the rest of the solid bodies in the Solar System formed at the same time and are, therefore, of the same age” -USGS

## Bible

- **When?** 6000-10,000 years ago
- **How?** God spoke it into existence from nothing
- **What are other possible interpretations?**
  - Gap Theory proposes the universe was created in Genesis 1:1 over 13.75 Billion Years ago
  - Progressive Creation Theory proposes that the universe was created in Genesis 1:1 over 13.75 billion years ago

# Conclusions: Life

## Genesis of Life Theory

- **When?** 3 Billion years ago
- **How?** Seeded from a meteor or comet (10 Billion years old)
- **What are major challenges?**
  - There is no "standard model" of the origin of life
  - No one has yet synthesized a "proto-cell" using basic components (e.g. DNA and RNA) which would have the necessary properties of life
  - DNA is a self-replicating molecule that is the basis for life and is too complex and interdependent to evolve
  - Isotope concentrations are not dates!

## Bible

- **When?** 6000-10,000 years ago
- **How?** God spoke each form into existence from nothing
- **What are other possible interpretations?**
  - Gap Theory proposes that God recreated the world and created life 6000-10,000 years ago
  - Progressive Creation Theory proposes that God created each form of life over the course of billions of years



# Conclusions: Fossils

## Fossils

- **What are major assumptions?**
  - The age of organics (fossils) is dependent on measuring nearby igneous rocks and not the fossil itself or sedimentary rock its discovered in
  - Circular logic associated with dating fossils and strata
  - When Carbon-14 dating is used on organics, the result is thousands of years and not millions
  - Heritage Assumption – The starting conditions are known
  - Decay Rate Assumption – Decay rates have always been constant and unaffected by other phenomena (temperature, pressure, radioactivity)
  - Closed System Assumption – Systems were closed or isolated

## Bible

- **What is the evidence?**
  - Fossils are extinct animals, but not ancestors.
  - Many died at flood. Fossils require rapid deposition, coverage, and compression, and eventual erosion
  - Sedimentary rocks are primarily a result of the Flood
  - Fossils represent a certain geographic area and not geologic age; e.g. marine fossils on top of mountain ranges
  - Significant fossil deposition at the flood, combined with high pressures produced fossil fuels

# Conclusions: Evolution

## Evolution

- **What is the process?** No know process, just change and climatic adaptation
- **How?** Seeded from a meteor or comet
- **What are major assumptions?**
  - **Punctuated Equilibrium** – animals appear suddenly and generally about the same time

## Life

- **What is the process?** God specifically created each animal. Adaptation within species does occur.
- **What is the evidence?**
  - Similarities in DNA and anatomy do not require a common ancestor
  - Man is unique from other forms of life
  - Evolution of man is incompatible with scripture

# Evolution or Big Bang cannot answer:

- How did the Universe begin?
- “How did life begin on earth” – the top unsolved mystery of Chemistry, *Scientific American* (Oct 2011)
- Why did sexual reproduction evolve?
- What propels the process of plate tectonics?
- What is the process of evolution?
- What is the origin of language?
- From “Ten things we don’t understand about humans,” *New Science Magazine* (Aug 2009)
  - Why do we laugh?
  - Why do we need sleep and why do we dream?
  - What is the Origin of art, music, worship?
- What are the sources of four major forces?
  - Gravity
  - Electro-magnetic force
  - Small Force (radioactivity and fission)
  - Large Force (nuclear cohesion)

# Last words from Darwin

- Charles Darwin – *“To suppose that the eye with all its inimitable contrivances for adjusting the focus to different distances, for admitting different amounts of light, and for the correction of spherical and chromatic aberration, could have been formed by natural selection, seems, I freely confess, absurd in the highest degree.”*
- Charles Darwin – *“As, by this theory, innumerable transitional forms must have existed, why do we not find them embedded in the crust of the earth? Why is all nature not in confusion instead of being as we see them, well-defined species? Geological research does not yield the infinitely many fine gradations between past and present species required by the theory; and this is the most obvious of the many objections which may be argued against it.”*
- Charles Darwin – *“Not one change of species into another is on record...we cannot prove that a single species has been changed.”...but he hoped science would eventually prove his theory*

# Conclusion: Wisdom vs. Foolishness

- **Wisdom – The Biblical Account** in Genesis 1-11 is the best explanation for the origins of the universe, earth, life, and humans
  - God spoke into existence the earth and the universe from nothing
  - In His timing, God specifically created each life form uniquely for His purposes
  - God uniquely created man and woman in His image and placed a soul within each
  - Man's decision to disobey God was met with mortality and physical separation from God
  - In order to reconcile man to God, God became a physical man, died a physical death on the cross and rose bodily in victory over death
  - Science is ever-changing, the Word of God does not change
  - Precision does not prove accuracy
- **Conviction** – “By faith (conviction of things not seen) we understand that the universe was formed at God's command, so that what is seen was not made out of what was visible.” – Hebrews 11:3
- **Foolishness** – “The fool has said in his heart, “There is no God.” They are corrupt, they have committed abominable deeds” – Psalm 14:1
- <http://www.youtube.com/watch?v=LwGvfdtI2c0>

# Last words from Jesus:

- “Through Him all things were made; without Him nothing was made that has been made. In Him was life, and the life was the light of men.” John 1:3-4
- “For by Him all things were created: things in heaven and on earth, visible and invisible, ...all things were created by Him and for Him.” Col 1:16
- “God, who at sundry times and in divers manners spoke in time past unto the fathers by the prophets, Has in these last days spoken unto us by *his* Son, whom he has appointed heir of all things, by whom also he made the worlds” Heb. 1:1-2
- “Thou art worthy, O Lord, to receive glory and honor and power: for thou hast created all things, and for thy pleasure they are and were created”. Rev 4:11
- Jesus said, “I am the way, the truth and the life...” John 14:6
- Jesus said, “I am the resurrection and the life...” John 11:25
- Jesus said, “I have come that they may have life, and have it to the full” John 10:10
- Conclusion – Jesus is the source of ALL life

# ORIGINS

## ° Genesis 1-11 Backup Slides

James River Community Church  
David Curfman

February – May 2013



# Humans: Evolutionary Theory

- “The Holy Grail for many researchers...is to come across DNA samples from hominids – the species humans evolved from over 100,000 years ago. DNA testing would reveal how they were related to us today. It hasn't yet been discovered as DNA breaks up and is contaminated over time” – International Biosciences (DNA testers, 2013)
- DNA's half-life is 521 years (half of the DNA bonds would be broken down 521 years after death, and half of the remaining bonds would be decayed another 521 years after that, and so on). – (Livescience.org, OCT 2012)
- Ancient DNA many thousands of years old can only be found in the remains of organisms preserved under extraordinary conditions. Plants and animals buried in volcanic ash, trapped in amber, frozen deep in the polar ice, or preserved in arid environments may retain fragments of ancient DNA because these environments lack oxygen and water.



# Humans: Biblical Explanation

- **At creation, God created man uniquely:** <sup>26</sup> Then God said, “Let us make mankind in our image, in our likeness, so that they may “rule” over the fish in the sea and the birds in the sky, over the livestock (mammals) and all (every) the wild animals, and over all (every) the creatures that move along the ground (reptiles)....<sup>28</sup> God blessed them and said to them, “Be fruitful and increase in number; fill the earth and subdue it (“kabash”). “Rule” over the fish in the sea and the birds in the sky and over every(all) living creature that moves on the ground.” – Genesis 1:26-28
- **At creation, God breathes life (spirit) into man:** <sup>7</sup> Then the Lord God formed a man from the dust of the ground and breathed (Ez. 37:9) into his nostrils (or “face”) the breath of life (**Job 32:8 and 33:4**), and the man became a living being (“nephesh” or soul, but same word as Gen 1:20,21 and 24) – Genesis 2:7

## Is Man just one of the animals?

- Man was created “in Our (God’s) image”
- Man has a role to “rule over” (dominion, tread down, prevail against) all the other created living things
- Man was directed to fill the earth and subdue it
- God specially breathed life (or a soul) into Adam
- God created the female specially from Adam’s rib. “That the woman was made of a rib out of the side of Adam; not made out of his head to rule over him, nor out of his feet to be trampled upon by him, but out of his side to be equal with him, under his arm to be protected, and near his heart to be beloved.” – Matthew Henry

# Creation: Purpose of Plants and Animals

- **Before the Fall and Flood, Man and animals were vegetarians for 1500 years:** <sup>29</sup>Then God said, “I give you every seed-bearing plant on the face of the whole earth and every tree that has fruit with seed in it. They will be yours for food. <sup>30</sup> And to all the beasts of the earth and all the birds in the sky and all the creatures that move along the ground—everything that has the breath of life in it— I give every green plant for food.” (so plants could die). And it was so. – Genesis 1:29-30
- **After the Flood, God allowed man to eat meat:** <sup>2</sup> The fear and dread of you will fall on all the beasts of the earth, and on all the birds in the sky, on every creature that moves along the ground, and on all the fish in the sea; they are given into your hands. <sup>3</sup> Everything that lives and moves about will be food for you. Just as I gave you the green plants, I now give you everything. <sup>4</sup> “But you must not eat meat that has its lifeblood still in it. – Genesis 9: 2-4 (*1000 years later, narrowed to only clean*)
- **After the Flood, God holds man and animals accountable for murder of humans:** <sup>5</sup> And for your lifeblood I will surely demand an accounting. I will demand an accounting from every animal. And from each human being, too, I will demand an accounting for the life of another human being. – Genesis 9:5 (*Note capital punishment established, blood for blood*)

# Creation: 2 Blessings and 2 Curses

- **Before the Fall, God “blesses” the living creations (animals and humans):** <sup>21</sup> God created the great creatures of the sea and every living thing with which the water teems and that moves about in it, according to their kinds, and every winged bird according to its kind...<sup>22</sup> God blessed them and said, “Be fruitful and increase in number and fill the water in the seas, and let the birds increase on the earth”...<sup>28</sup> God blessed them (man and woman, possibly all land creatures) and said to them, “Be fruitful and increase in number; fill the earth and subdue it.” – Genesis 1:21-28
- **After the Fall, God “curses” the serpent and condemns it to slithering:** <sup>14</sup> So the LORD God said to the serpent, “Because you have done this, “Cursed are you above all livestock and all wild animals! You will crawl on your belly and you will eat dust all the days of your life.” <sup>15</sup> And I will put enmity between you and the woman, and between your offspring [seed] and hers, he will crush [strike] your head, and you will strike his heel.” – Genesis 2:14-15
- **After the Fall, God curses the ground and changes its constituency. He also curses the plants and creates weeds:** <sup>17</sup> To Adam he said, “Because you listened to your wife and ate fruit from the tree about which I commanded you, ‘You must not eat from it,’ “Cursed (‘arar) is the ground (adamah) because of you; through “painful” toil you will eat food from it all the days of your life.” <sup>18</sup> It will produce thorns and thistles for you, and you will eat the plants of the field. <sup>19</sup> By the sweat of your brow you will eat your food until you return to the ground...” – Genesis 3:17-19

# Humans – Races

- **RACE (Webster's):** “Any of the major biological divisions of mankind, distinguished by color and texture of hair, color of skin and eyes, stature, bodily proportions, etc. Many ethnologists now consider that there are only 3 or 4 primary divisions:
  - Caucasian (loosely “white” race ) – 55%
  - Negroid (loosely “black” race ) – 8%
  - Mongoloid (loosely “yellow” race ) – 33%
  - Australoid (Aboriginals) – 4%with various subdivisions: the term has acquired so many unscientific connotations that in this sense it is often replaced in scientific usage by ‘ethnic stock’ or ‘group.’”
- **"Are there really races of men?"** – Even evolutionary science concludes that all existing varieties of man are members of the same species. Inter-racial marriages are common and children are produced with no biological difficulties. Prominent anthropologist, Ruth Benedict in her book, "*Race: Science and Politics*" stated the peoples of the earth are a single family and have a common origin.
- Anthropologists are split 50-50
- Some biblical scholars have concluded that the three races were the progeny of Noah's three sons, Shem (Mongoloid), Japheth (Caucasian) and Ham (Negroid). But “race” does not appear in the Bible, only tribe, nation, people and family.

# Humans: Races

- In 1700's – In order to continue justification to defend slavery, pro-slavery forces focused on physical differences between slaves and masters (claiming a natural inferiority of Africans and thus their suitability for slavery). The term "race," became more widely used and crystallized into a distinct reference for Africans and Indians (i.e. non-settlers) and Europeans.
- Proslavery leaders formulated a new ideology (based on Darwin and others) that merged all Europeans together, rich and poor, and fashioned a social system of ranked physically distinct groups. The physical features of different groups became markers or symbols of their status on this scale, and thus justified their positions within the social system.
- Race ideology proclaimed that the social, spiritual, moral, and intellectual inequality of different groups was, like their physical traits, natural, innate, inherited, and unalterable.
- Charles Darwin's "*Descent of Man*" (1871) – He claimed that "At some future period,...the civilized races of man will almost certainly exterminate, and replace, the savage races throughout the world" and "Slavery, although in some ways beneficial during ancient times, is a great crime; yet it was not so regarded until quite recently, even by the most civilized nations. And this was especially the case, because the slaves belonged in general to a race different from that of their masters."

# Humans: Other Cultures

- The oldest known literary texts from any culture date from the 27th or 26th century BC (about time of the flood)
- Babylonian creation story (*Enuma Elish*) parallels Genesis but also has significant differences:
  - Darkness precedes the creative acts.
  - In *Enuma Elish* the symbol of chaos is the goddess Tiamat who personifies the sea. Genesis refers to the “deep.” The Hebrew word is *tehom*, which is linguistically related to Tiamat.
  - In both stories, light exists *before* the creation of the sun, moon, and stars.
  - In both stories, there is a division of the waters above and below, with a barrier holding back the upper waters.
  - The sequence of creation is similar, including the division of waters, dry land, luminaries, and humanity, all followed by rest.
  - A central difference is that Israel’s God creates on his own, with no divine melodrama or lengthy plot. Israel’s God works solo and in the space of a mere 31 verses (not 900 lines as in *Enuma Elish*).

# Humans: Other Cultures

- *“there is a relationship between individual features of the biblical creation narratives and similar ideas in Babylonia, Phoenicia or Egypt. **Israel’s ideas of creation are from the start fundamentally different from every heathen conception of the way in which the world came into being; and the similarity of the underlying material can, in fact, serve to make this difference all the more striking.**”*
- *Israel never knew of a time when, so to speak, Yahweh had not been there. By contrast, in the religions of the ancient oriental civilizations cosmogony always involves theogony, a principle of which the introduction to the Babylonian creation epic, enuma elish, may stand as the classic example. The emergence of the gods from the chaotic primordial ground of the universe stamped them as deified natural forces; and even their association with the values of cultural and moral life, of which they are sometimes found as the guardians, cannot erase this character. Only the stuff of the universe, basic matter, is eternal; and the creator god can never be more than a craftsman, a Demiurge, who forms the world out of already existent chaotic materials.”*
- *“**Consequently it is precisely the essential elements of the Old Testament concept of creation which are alien to ancient Eastern thought, and which by virtue of their whole character were bound to be so alien.** For in the covenant God, by whose act of election she knew herself to be destined as the people of God to a special mission, Israel had learned to know a God quite different from those of any other ancient Eastern nation; and therefore her attitude to Nature was also radically different, and could break through barriers which elsewhere had proved without exception unbreakable. **So strongly did she define the freedom and sovereignty of god vis-à-vis the world, and at the same time the indissoluble connection of the world to God, as opposed to all mythical, pantheistic or deistic conceptions of Nature, that even we today can find nothing of essential moment to add.**”*

# Humans: Other Cultures

- The Genesis Creation Story does not owe anything to the creation myths of Egypt and Mesopotamia.
- The latter were written for a completely different purpose. Instead, they are related to the "genesis" of a certain king's reign.
- Priest-scribes wrote them to establish the king's (and his god's) supremacy.
- Each myth is different with its local adaptations.
- The Biblical history has unity, never changing, as the myths do with each succeeding king.



# Humans: Other Cultures (Blackfeet)


- “My name is Percy Bullchild. I’m sixty-seven years of age. I’m a Blackfeet Indian from Browning, Montana. With what little education I have I am going to try to write the version of our own true ways in our history and in our legends ... ”
- Percy describes his people’s beginnings like this: “This story is about a lone spirit that lived in this spiritual place before there was a world of any kind of life ... He has been alive from ever and will continue to live forever ... Life is given to all of us humans and to all the creations of the earth ... ”
- The Blackfeet describe the Creator God as “Creator Sun”, who’s first living beings were snakes that rebelled against their creator and were punished for their transgressions. He then decided to make “ ... something that will look like my image.”
- This creation was a woman (Creator Sun’s wife), animated when, “He had blown in the nostrils of the mud figure, which gave it life”.
- This woman was looking for food one day when she was tempted by a “snakeman” who told her a half-truth and caused her to betray her husband.
- The Creator “ ... knew what was going on ... but, as always, he is so forgiving to all his creations.” “Nevertheless, all of us are to pay for whatever sins we commit ... ”The first creation of humans “From the mud Creator Sun molded a form in his own shape, his own image ... This mud figure came to life as Creator Sun blew into his nostrils.” ... he wanted to do for the mudman ... Some way to help him overcome that loneliness.
- Using that strange power, Creator Sun put the mudman into a deeper sleep so he wouldn’t know what was going on. “Kneeling down beside him, Creator Sun took out the mudman’s lowest, smallest left rib. With this rib he made an image after the mudman and himself ... To bear fruit, to bear offspring.”

Eon	Era	Period	Epoch	Development of Plants and Animals	Relative Time Span of Eras			
Phanerozoic	Cenozoic	Quaternary	Holocene	0.01	Humans develop	Cenozoic		
			Pleistocene	1.8		Mesozoic		
		Tertiary	Pliocene	5.3	"Age of Mammals"	Extinction of dinosaurs and many other species	Paleozoic	
			Miocene	23.8				
			Oligocene	33.7				
			Eocene	54.8				
			Paleocene	65.0				
			Mesozoic	Cretaceous				
		144			First flowering plants			
		Jurassic			206	First birds		
	Triassic				Dinosaurs dominant			
		248						
	Paleozoic	Permian				"Age of Amphibians"		
				290	Extinction of trilobites and many other marine animals			
		Carboniferous		Pennsylvanian	323		First reptiles	
				Mississippian	354		Large coal swamps	
		Devonian					"Age of Fishes"	
	417		Amphibians abundant					
	Silurian		443	First insect fossils				
	Ordovician			"Age of Invertebrates"				
490		First fishes						
Cambrian		540	Fishes dominant					
Proterozoic	Archean	Hadean			Collectively called Precambrian, comprises about 88% of the geologic time scale			
			2500	First multicelled organisms				
			3800	First one-celled organisms				
					Origin of Earth	4500		

Time Period	Human Artifacts in the Geological Column
<b>MID-PLEISTOCENE</b>	SKULL ..... Olmo, Italy SKELETON ..... Clichy, France SKELETON ..... Gally Hill, England
<b>LOWER PLEISTOCENE</b>	PELVIS ..... Natchez, North America JAW ..... Abbeville, France UPPER ARM BONE ..... Kanopol, Africa
<b>PLIOCENE</b>	SKULL ..... Calaveras, California SKULL ..... Castenolo, Italy SKULL ..... Table Mt., California FOOTPRINTS ..... Lactolil, Africa SANDAL PRINTS ..... Carson City, Nevada
<b>MIOCENE/OLIGOCENE</b>	SKULL ..... Stanford, California JAW ..... Tuscany, Italy SHOE PRINT ..... Gobi Desert, Asia
<b>EOCENE</b>	SKULL ..... Germany TOOTH ..... Bear Creek, Montana
<b>PALEOCENE</b>	CAST IRON CUBE ..... Wolfberg, Austria
<b>CRETACEOUS</b>	SKELETONS (2) ..... La Sal, Utah SKULL ..... Gilman, Colorado FOOTPRINTS & FINGER... Glen Rose, Texas CAST METAL NODULES ..... France METAL HAMMER ..... London, Texas
<b>JURASSIC/TRIASSIC</b>	LEG & FOOT BONES .... Spring Valley, Nev. FOOTPRINT ..... Parkersburg, W. Vir.
<b>PERMIAN</b>	FOOTPRINTS ..... Secora, New Mexico FOOTPRINTS ..... St. Louis, Missouri HANDPRINTS ..... Robledos Mtns., N. Mex.
<b>PENNSYLVANIAN</b>	FOOTPRINTS ..... Berea, Kentucky IRON POT ..... Oklahoma TOOLS ..... Abden-Provence, France GOLD CHAIN ..... Illinois
<b>MISSISSIPPIAN/DEVONIAN</b>	FOOTPRINTS ..... Missouri PRECISION PATTERN ..... Pittsburgh, Pa.
<b>SILURIAN/ORDOVICIAN</b>	SKELETON ..... Franklin County, Missouri SANDAL PRINT ..... Lake Windermere, Eng.
<b>CAMBRIAN</b>	SANDAL & FOOTPRINT... Antelope Spgs, Ut. IRON BANDS ..... Lochmarea, Scotland

# Creation: Biblical Creation

- Origin of spiritual being
  - Preexistence – Hindu based (plate, origen)
  - Creation – Immediate and individual creation by God. Body generated by parents, Necessitates an individual fall by each person
  - Traducian – body and sould generated by the parents (depravity of man) (PS 51:5, Rom 5:12, Heb 7:10)
- Parts of man
  - Two parts (Gen 2;7) – physical and spiritual
  - Three parts (1 Thess 5;23; Heb 4:12; 2 Cor 2:14-3:4)) – body (world focused) , soul (self-focused), spirit (God focused)
  - Four parts – Heart, Conscience, Mind Will
- Physical death a result of sin

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- A movement known as the Clergy Letter Project, signed by 10,000 ordained ministers and priests in America, stated: "We believe 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."

# New Testament References to Genesis 1-11 supporting literal interpretation:

1.	Matthew 19:4	Quote from Gen 1:27	17.	Acts 14:15	God made heaven and earth and everything in them
2.	Matthew 19:5	Quote from Gen 2:24	18.	Acts 15:20, 29	Possible reference to Noahic covenant
3.	Matthew 22:21	Man in the image of God	<b>19. Acts 17:24 and</b>	<b>19. Acts 17:24 and</b>	<b>God made the earth everything in it</b>
4.	<b>Matthew 23:34-35</b>	<b>Righteous Abel</b>	<b>20. Acts 17:26</b>	<b>20. Acts 17:26</b>	<b>All nations descended from one man</b>
5.	Matthew 24:37-39	Days of Noah	<b>21. Romans 1:19-20</b>	<b>21. Romans 1:19-20</b>	<b>God's power revealed through creation</b>
6.	Matthew 26:52	Those who draw the sword will die by the sword	<b>22. Romans 5:12-21</b>	<b>22. Romans 5:12-21</b>	<b>Death came because of Adam's sin</b>
7.	Mark 10:6	Quote from Gen 1:27	23.	Romans 8:20-23	The entire creation was cursed
8.	Mark 10:7	Quote from Gen 2:24	24.	Romans 16:20	Satan crushed under believers' feet
9.	Mark 12:17	Man in the image of God	25.	1 Corinthians 6:16	Quote of Gen 2:24
10.	Mark 13:19	God created the world	26.	1 Corinthians 11:7-8	Man in the image of God, woman created after man
11.	<b>Luke 3:29-37</b>	<b>Jesus is descendent of Adam</b>	27.	1 Corinthians 15:21-22	Death comes through Adam
12.	Luke 10:19	Treading on serpents	28.	1 Corinthians 15:38	Each kind of seed has its own body
13.	<b>Luke 11:50-51</b>	<b>Abel the first slain prophet</b>	<b>29. 1 Corinthians 15:45</b>	<b>29. 1 Corinthians 15:45</b>	<b>Quote of Gen 2:7</b>
14.	Luke 17:26-27	Days of Noah	<b>30. 1 Corinthians 15:47</b>	<b>30. 1 Corinthians 15:47</b>	<b>First man made from dust</b>
15.	Luke 20:25	Man in the image of God	<b>31. 2 Corinthians 4:6</b>	<b>31. 2 Corinthians 4:6</b>	<b>Quote of Gen 1:3</b>
16.	John 1:1-3	God pre-existed and created	32.	2 Corinthians 11:3	Eve was deceived
17.	John 8:44	The devil a liar and murderer			

# New Testament References to Genesis 1-11 supporting literal interpretation:

33.	Ephesians 3:9	God created all things	46.	<b>Hebrews 11:7</b>	<b>Noah's ark</b>
34.	Ephesians 5:31	Quote of Gen 2:24	47.	Hebrews 12:24	Blood of Abel
35.	Colossians 1:16	All things were created by the Son	48.	1 Peter 3:20	8 saved in the ark
36.	Colossians 3:10	Image of the Creator	49.	2 Peter 2:4-5	God punished sinning angels and saved Noah
37.	<b>1 Timothy 2:13-14</b>	<b>Man created first</b>	50.	2 Peter 3:5-6	Earth formed out of and destroyed by water
38.	<b>1 Timothy 2:14</b>	<b>Woman deceived</b>	51.	1 John 3:11-12	Cain killed Abel
39.	1 Timothy 4:3-5	God created everything good	52.	Jude 6	Disobedient angels punished (reference to "sons of God"?)
40.	Hebrews 1:10	God created heaven and earth	53.	Jude 11	Cain
41.	Hebrews 4:3-4	Quote of Gen 2:2	54.	<b>Jude 14</b>	<b>Enoch the seventh from Adam</b>
42.	<b>Hebrews 4:10</b>	<b>God rested</b>	55.	Revelation 4:3	Rainbow surrounding the throne in Heaven
43.	<b>Hebrews 11:3 command</b>	<b>Universe formed by God's</b>	56.	Revelation 6:12-14	"Uncreation" theme-sun, moon, and stars
44.	<b>Hebrews 11:4</b>	<b>Abel's acceptable sacrifice</b>	57.	Revelation 21	New Jerusalem—Edenic city
45.	<b>Hebrews 11:5</b>	<b>Enoch taken away</b>	58.	Revelation 22:1-6	River of water of life and tree of life

# Earth: Dating Fossils

- Age of Organics – Carbon-14 radiometric dating is used to determine the age of organics (animal and plant) fossils. So, let's use Carbon-14 dating?
- Age of Fossils – Since dinosaur fossils are assumed as millions of years, we can't use Carbon-14 (carbon-14 half-life is only 5,730 years). But, fossils, form in **sedimentary** rock (sediment quickly covers a dinosaur's body, and the sediment and the bones gradually turn into rock). So, let's date the sedimentary rock?
- Age of Sedimentary Rock – Radiometric dating doesn't work with sedimentary rock. So, how do we date the rock? Two choices:
  - Use geologic column based on strata
  - Use nearby layers of igneous rock. To determine the ages of these specimens, scientists use **uranium-238**, **uranium-235** and **potassium-40**, each of which has a half-life of more than a million years. These elements don't exist in dinosaur fossils but in **igneous** rock (cooled magma/lava).
- Conclusion – Either the age of nearby igneous rock or the relative age in the geologic column is used to determine age of dinosaur fossils
- In 1990, a sample of various dinosaur bones were sent to the University of Arizona for a “blind” Carbon-14 dating procedure. The oldest date they got was 16,000 years. (beyond the validity of Carbon 14 dating). Conclusion – “Samples must have been contaminated”

# Earth: Young Earth Evidence

- Large numbers of Polonium radio-halos in granite indicate very quick changes in decay rates
- Using carbon-14 dating on fossils, coal, oil, and diamonds (Old-earth's claim inappropriate method)
- Decay of the earth's magnetic field (Old-earth's claim oscillation)
- Canyons have formed rapidly in many locations
- Fossil fuels – Hydrocarbons (primarily coal, oil or natural gas) formed from the remains of dead plants and animals 360-286 million years ago subjected to large pressure and temperature.
  - Coal formation process is not occurring today
  - Oil formation is occurring today
  - Deposits are too large to be from only 2 billion years of life
  - Have been shown to form rapidly in laboratory tests (Argonne labs – 36 weeks)
  - Oil deposits with tree trunks
- Dinosaur blood cells in fossils (Evolutionists claim fossils dated by strata)
- Human remains in the geologic column (Evolutionists claim forgery, extraterrestrials, or erosion between strata)
- Petrified waterwheel of Australia (300,000 yrs old by K/Ar dating)