



# *The Book of Genesis*

*In the beginning...*  
מֵהַיְחָדָשׁ אֵלֶּיךָ יְיָ

# The Foundation

<sup>1</sup>In the beginning God created the heaven and the earth.

**Genesis 1:1**

- The cornerstone of faith?

# The Beginning of Faith

- 1 Now faith is the substance of things hoped for, the evidence of things not seen.
- 2 For by it the elders obtained a good report.
- 3 Through faith we understand that the worlds were framed by the word of God, so that things which are seen were not made of things which do appear.

**Hebrews 11:1-3**

# The Beginning of Faith

- Could an all powerful God have created everything?
- Could He have done it in any time-frame of His choosing?
- Does God lie?
- Did He, or did He not write with His own finger that He did it in 6 days and rested on the 7<sup>th</sup>? – see Exodus 31:18

Let a man question the inspiration of the Scriptures and a curious, even monstrous, inversion takes place: thereafter he judges the Word instead of letting the Word judge him; he determines what the Word should teach instead of permitting it to determine what he should believe; he edits, amends, strikes out, adds at his pleasure; but always he sits above the Word and makes it amenable to him instead of kneeling before God and becoming amenable to the Word.

(Tozer, "The Wrath of God, What is it?", "Man the Dwelling Place of God," chapter 26,)



## Session Two

- The Why Question
- The Gap Theory
- The Origin of Satan
- The Age of the Earth
- Light
- Evening & Morning



# The Foundation

<sup>1</sup>In the beginning God created the heaven and the earth.

**Genesis 1:1**

- But why?

# The Miracle of Creation

- Why did God create this World, the Universe and all therein?
- All of Creation (time & space) were created for one primary purpose...
- *“The sole reason for the universe and all therein, is to produce and prepare an eternal companion for Jesus who will reign with Him for all eternity.”*

- Paul Billheimer

# The Miracle of Creation

- As we move into verse two, we find that the whole earth is covered by water
  - God does not cause the dry land to appear until we get to verse nine
- God's Spirit is 'brooding' over the face of the waters.
- There is an anticipation implied here, as God is preparing to begin bringing order out of the emptiness.

# The Most Attacked Book?

- Genesis is arguably the most attacked book in the Bible...
  - Revelation comes a close second!
- Genesis not only reveals God's plan for mankind – i.e. to walk with God in harmony...
- ...But it also exposes Satan as the enemy and deceiver of mankind

# The Gap Theory?

## *Scripture*

And the earth was without form, and void; and darkness was upon the face of the deep.

**Genesis 1:2**

## *Suggested translation*

And the earth **became** without form, and void; and darkness was upon the face of the deep.

**Genesis 1:2**

# The Gap Theory?

- This theory was proposed by Thomas Chalmers in 1814,
- He suggested there is a gap of time between verse 1 and verse 2;
- i.e. that God created the heavens and the earth, there was then an undisclosed period of time when, according to proponents of this view, Satan ruled on the earth over a pre-Adamite civilisation.

# The Gap Theory?

- Then, supposedly, due to the wickedness of this original world, God sent a flood – called ‘Lucifer’s flood’ – which destroyed everything from the face of the earth.
- It is then suggested that what we see in verse two is the result of this judgment as God plans to ‘re-create’ as per the remainder of the Genesis chapter 1 account.

# The Gap Theory?

And the earth **was** without form, and void; and darkness was upon the face of the deep.

**Genesis 1:2**

**Hyh;** *hayah*, past perfect tense of verb = had become  
(Gen 19:26 Ref Lot's Wife)

# The Gap Theory?

And the earth was without form, and void; and darkness was upon the face of the deep.

Genesis 1:2

**Hyh**; *hayah*, 'past perfect tense' = had become  
(Gen 19:26 Ref Lot's Wife)

**whT** *tohu*, = without form / confused

# The Gap Theory?

And the earth was without form, and **void**; and darkness was upon the face of the deep.

Genesis 1:2

**Hyh**; *hayah*, 'past perfect tense' = had become  
(Gen 19:26 Ref Lot's Wife)

**whT** *tohu*, = without form / confused

**whB** *bohu*, = void / empty / waste

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And the earth was without form, and void; and darkness was upon the face of the deep.

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Hyh; *hayah*, 'past perfect tense' = had become  
(Gen 19:26 Ref Lot's Wife)

whT *tohu*, = without form / confused

whB *bohu*, = void / empty / waste

אָרֶץ 'erets = ...the earth ('And' or adversative 'But')

*LXX translates it as 'But'*

# The Gap Theory?

## *Suggested translation*

**But** the earth **had become** without form, and void; and darkness was upon the face of the deep.

**Genesis 1:2**

Hyh; *hayah*, 'past perfect tense' = had become  
(Gen 19:26 Ref Lot's Wife)

whT *tohu*, = without form / confused

whB *bohu*, = void / empty / waste

אָרֶץ *'erets* = ...the earth ('And' or adversative 'But')

*LXX translates it as 'But'*

# The Gap Theory?

For thus saith the LORD that created the heavens;  
God himself that formed the earth and made it; he  
hath established it, **he created it not in vain**, he formed  
it to be inhabited: I am the LORD; and there is none  
else.

**Isaiah 45:18**

*tohu* (to'-hoo); from an unused root meaning to lie waste; a desolation (of surface), i.e. desert; figuratively, a worthless thing; adverbially, in vain:

KJV - confusion, empty place, without form, nothing, (thing of) nought, vain, vanity, waste, wilderness.

# The Gap Theory?

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God himself that formed the earth and made it; he  
hath established it, **he created it not in vain**, he formed  
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else.

Isaiah 45:18

*Gap Theorists ask: "If the earth was not created 'without form' (as Isaiah 45:18 indicates) but we find it 'without form' in Gen 1:2, surely there must be a gap between Gen 1:1 & Gen 1:2 where something happened to cause this change?"*

# The Gap Theory?

*tohu*

*bohu*

I beheld the earth, and, lo, it was without form, and void; and the heavens, and they had no light. I beheld the mountains, and, lo, they trembled, and all the hills moved lightly. I beheld, and, lo, there was no man, and all the birds of the heavens were fled. I beheld, and, lo, the fruitful place was a wilderness, and all the cities thereof were broken down at the presence of the LORD, and by his fierce anger. For thus hath the LORD said, The whole land shall be desolate; yet will I not make a full end.

**Jer 4:23-27**

# The Gap Theory?

## Chalmers Proposal:

- God created the heavens & earth (Gen 1:1)
- There was a pre-Adamic world ruled by Satan (we're still waiting for a scripture ref for that!)
- This rule lasted an undisclosed period of time (this purportedly gets around the supposed conflict with 'science and scripture')
- Men and birds inhabited this 'world' (Jer 4:25)
- All destroyed in a global flood leaving the world a desolation & in chaos (Jer 4:26)
- God then 're-created' in six days (Gen 1:2-3)

# The Gap Theory?

- This has nothing to do with Evolution
- It doesn't negate a literal 6 day creation
- What it does do is explain the long geological ages as proposed by James Hutton (d.17 March 1797) & reinforced by Charles Lyell in 1830
- What proponents of the Gap Theory have in common is a yielding to men's 'wisdom' regarding the age of the earth.

Note: the whole purpose of the Gap Theory is to account for the proposed geologic ages proposed by Swedenborg/Kant/Hutton/Lyell et al and to remove the perceived contradiction between 'science' (so called) and scripture.

But just think about this:

Gap Theorists generally don't deny the Flood of Noah. But the Flood of Noah would have **totally** removed any evidence of the pre-adamic world – undoing all that they are trying to 'prove'!

# The Gap Theory?

- A few years before Thomas Chalmers theory was circulated, a lawyer & medical doctor turned geologist by the name of James Hutton had captured the imagination of the scientific community
- Hutton claimed the earth was not young, as the Bible indicates, but rather the earth was extremely old.

# The Gap Theory?

- He challenged the accepted idea of Catastrophism (that what we see in the world today is the result of major cataclysmic events - such as Noah's flood), and instead proposed the idea now known as Uniformitarianism that states that things have gradually altered over eons of time.
- It is against this background of popular scientific thought...
  - all of which sought to discredit the biblical account,
- ..that along comes Mr Chalmers, who, although no doubt sincere, proposes a theory that attempted to reconcile the Bible to 'science'.

# Man's Wisdom?

Thus saith the LORD; Cursed be the man that trusteth in man, and maketh flesh his arm, and whose heart departeth from the LORD.

**Jer 17:5**

# The Gap Theory Vs. The Bible

Remember the sabbath day, to keep it holy. Six days shalt thou labour, and do all thy work: But the seventh day is the sabbath of the LORD thy God: in it thou shalt not do any work, thou, nor thy son, nor thy daughter, thy manservant, nor thy maidservant, nor thy cattle, nor thy stranger that is within thy gates: **For in six days the LORD made heaven and earth, the sea, and all that in them is,** and rested the seventh day: wherefore the LORD blessed the sabbath day, and hallowed it.

Exodus 20:8-11

# The Gap Theory Vs. The Bible

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# The Gap Theory Vs. The Bible

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# The Gap Theory Vs. The Bible

Wherefore the children of Israel shall keep the sabbath, to observe the sabbath throughout their generations, for a perpetual covenant. It is a sign between me and the children of Israel for ever: **for in six days the LORD made heaven and earth**, and on the seventh day he rested, and was refreshed. And he gave unto Moses, when he had made an end of communing with him upon mount Sinai, two tables of testimony, tables of stone, **written with the finger of God.**

**Exodus 31:16-18**

**It's impossible for God to lie! - Heb 6:18**

# The Gap Theory Vs. The Bible

Wherefore, as by **one man sin entered into the world, and death by sin**; and so death passed upon all men, for that all have sinned:

**Romans 5:12**

# The Gap Theory Vs. The Bible

Wherefore, as by **one man sin entered into the world, and death by sin**; and so death passed upon all men, for that all have sinned:

**Romans 5:12**

Therefore, there was no death before Adam sinned

# The Gap Theory Vs. The Bible

And so it is written, The **first man Adam** was made a living soul; the last Adam was made a quickening spirit.

**1 Cor 15:45**

# The Gap Theory Vs. The Bible

And so it is written, The **first man Adam** was made a living soul; the last Adam was made a quickening spirit.

**1 Cor 15:45**

Therefore, there was no man before Adam

# The Gap Theory Vs. The Bible

<sup>1</sup>In the beginning God created the heaven and the earth. <sup>2</sup>

**And** the earth was without form, and void; and darkness was upon the face of the deep.

**And** the Spirit of God moved upon the face of the waters.

<sup>3</sup>**And** God said, Let there be light: and there was light.

<sup>4</sup>**And** God saw the light, that it was good: and God divided the light from the darkness.

<sup>5</sup>**And** God called the light Day, and the darkness he called Night.

**And** the evening and the morning were the first day.

Chapter 2:1 *Then God said...*

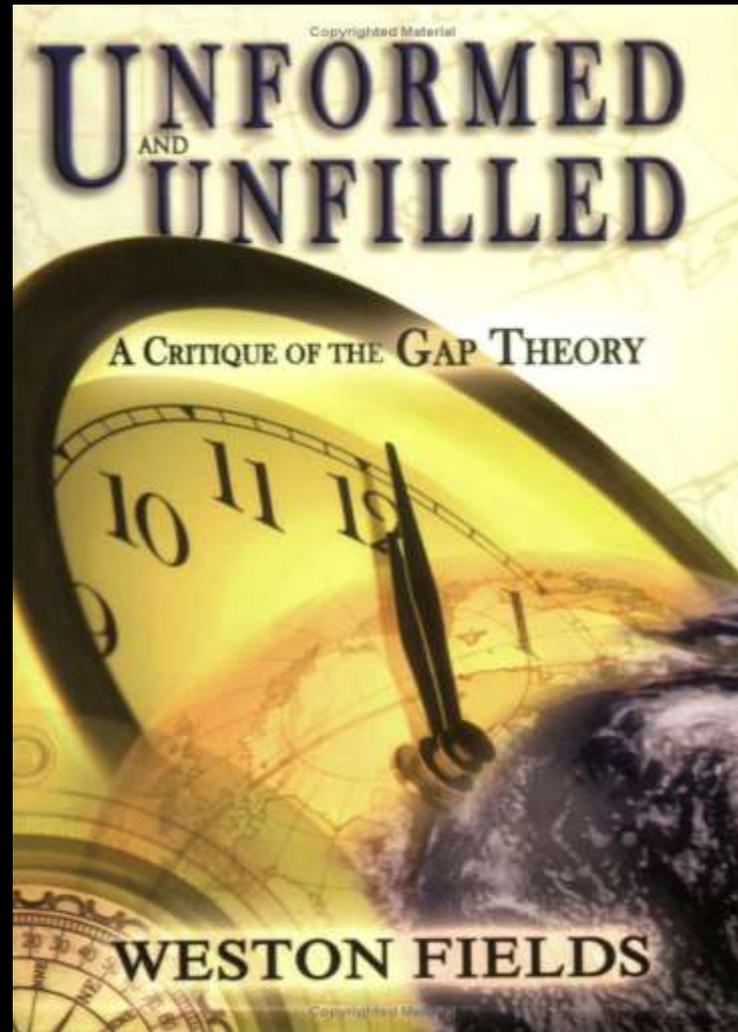
# The Gap Theory Vs. The Bible

*“And the earth was (not became) waste and void.”*

The alliterative nouns ‘tohu vabohu’, the etymology of which is lost, signify waste and empty (barren), **but not laying waste and desolating**. Whenever they are used together in other places (Isa 34:11; Jer 4:23), they are taken from this passage; but tohu alone is frequently employed as synonymous with אֵיך, non-existence, and הבל, nothingness (Isa 40:17, Isa 40:23; Isa 49:4).

The coming earth was at first waste and desolate, a formless, lifeless mass

# The Gap Theory Vs. The Bible





## Session Two

- The Gap Theory
- The Origin of Satan
- The Age of the Earth
- Light
- Evening & Morning



# The Pinnacle of Creation

<sup>27</sup> So God created man in his own image, in the image of God created he him; male and female created he them.

**Genesis 1:27**

- Adam was made 'like God'
- Satan was not!
- Adam 'out ranked' Satan in Eden - **Heb 1:12**
- What was so great that 1/3 of the angels would follow Satan? - **Rev 12:4**

# The Fall of Satan

6 Not a novice, lest **being lifted up with pride** he fall into the condemnation of the devil.

**1 Timothy 3:6**

# The Fall of Satan

<sup>12</sup> How art thou fallen from heaven, O Lucifer, son of the morning! how art thou cut down to the ground, which didst weaken the nations!

<sup>13</sup> For thou hast said in thine heart, **I will** ascend into heaven, **I will** exalt my throne above the stars of God: **I will** sit also upon the mount of the congregation, in the sides of the north:

<sup>14</sup> **I will** ascend above the heights of the clouds; **I will** be like the most High.

*'I will be like' = damah' (daw-maw');*  
a primitive root; to compare; by implication, to resemble, liken, consider:  
KJV - compare, devise, (be) like (-n), mean, think, use similitudes.

# The Origin of Satan

12a Thou sealest up the sum, full of wisdom, and perfect in beauty.

13 Thou hast been in Eden the garden of God; every precious stone was thy covering, the sardius, topaz, and the diamond, the beryl, the onyx, and the jasper, the sapphire, the emerald, and the carbuncle, and gold: the workmanship of thy tabrets and of thy pipes was prepared in thee in the day that thou wast created.

**Ezekiel 28:12-15**

# The Origin of Satan

<sup>14</sup> Thou art the anointed cherub that covereth; and I have set thee so: thou wast upon the holy mountain of God; thou hast walked up and down in the midst of the stones of fire.

<sup>15</sup> Thou wast perfect in thy ways from the day that thou wast created, **till iniquity** was found in thee.

**Ezekiel 28:12-15**

- In his pride, Satan sought to destroy man and claim his position & title to the earth

# The Present Distress

19 We know that we are of God, and the whole world lies under the sway of the wicked one.

1 John 5:19

- For now, the earth has been handed over to Satan
- Satan 'stole' the earth from Adam

# The Present Distress

3 But if our gospel be hid, it is hid to them that are lost:

4 In whom **the god of this world** hath blinded the minds of them which believe not, lest the light of the glorious gospel of Christ, who is the image of God, should shine unto them.

**2 Corinthians 4:3-4**

# The Present Distress

- 5 And the devil, taking him up into an high mountain, shewed unto him all the kingdoms of the world in a moment of time.
- 6 And the devil said unto him, All this power will I give thee, and the glory of them: **for that is delivered unto me;** and to whomsoever I will I give it.

**Luke 4:5-8**

- Jesus doesn't contest Satan's claim
- Satan has this world – for now!



## Session Two

- The Gap Theory
- The Origin of Satan
- The Age of the Earth
- Light
- Evening & Morning
- Day One



# The Age of The Earth

And he answered and said unto them, Have ye not read, that he which made them **at the beginning** *made them male and female...*

*...He saith unto them, Moses because of the hardness of your hearts suffered you to put away your wives: **but from the beginning** it was not so*

**Matt 19:4-8**

- The beginning has to be at the start of it all, or it isn't the beginning! Adam & Eve were made at the beginning and therefore there was nothing before the beginning!

# The Age of The Earth

But ~~from the beginning of the creation~~ God made them male and female. For this cause shall a man leave his father and mother, and cleave to his wife;

**Mark 10:6-7**

# The Age of The Earth

And Adam lived **an hundred and thirty years**, and begat a son in his own likeness, after his image; and called his name Seth:

Gen 5:3

And Seth lived **an hundred and five years**, and begat Enos: And Seth lived after he begat Enos eight hundred and seven years...

Gen 5:6-7

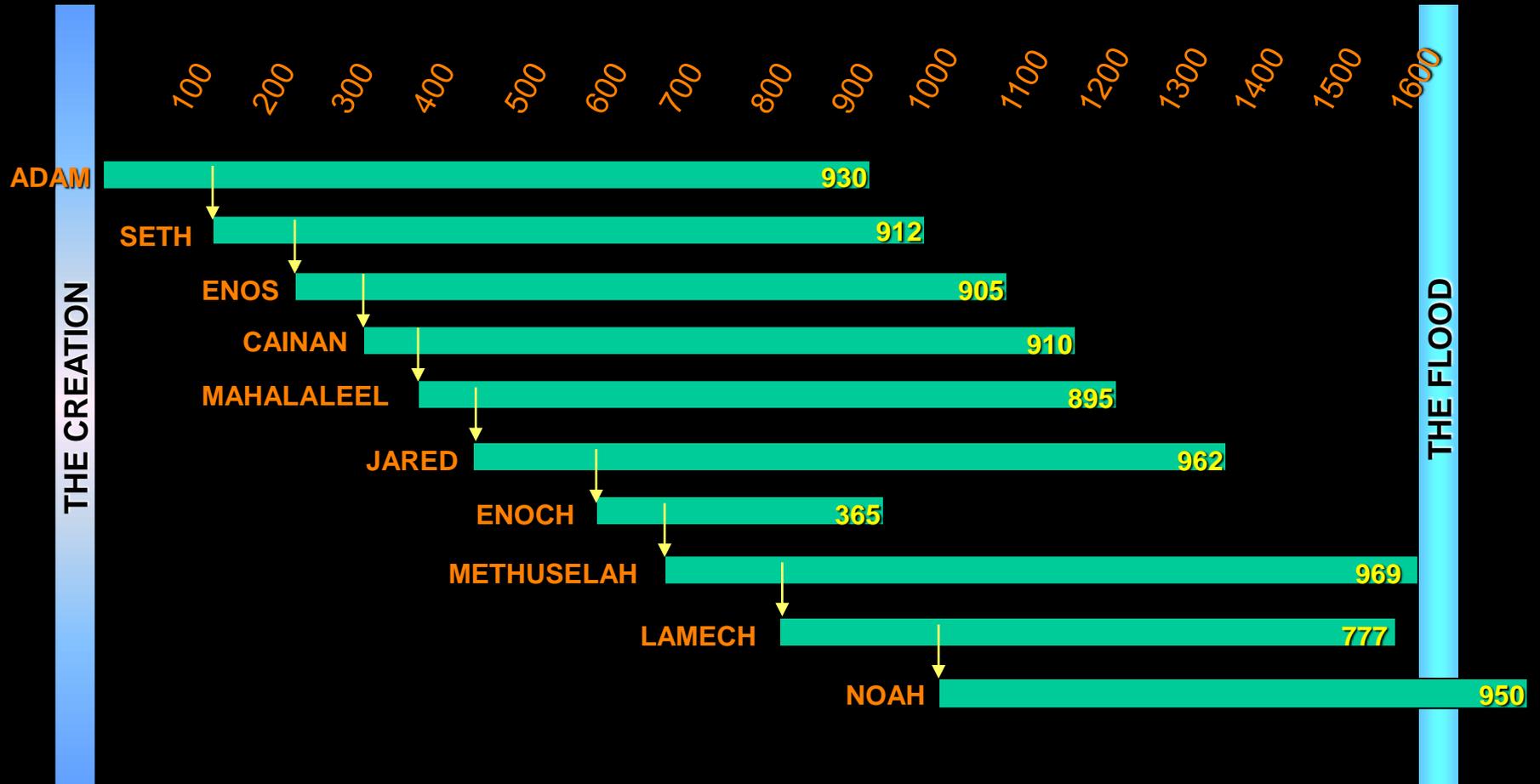
And Enos lived **ninety years**, and begat Cainan:

Gen 5:9

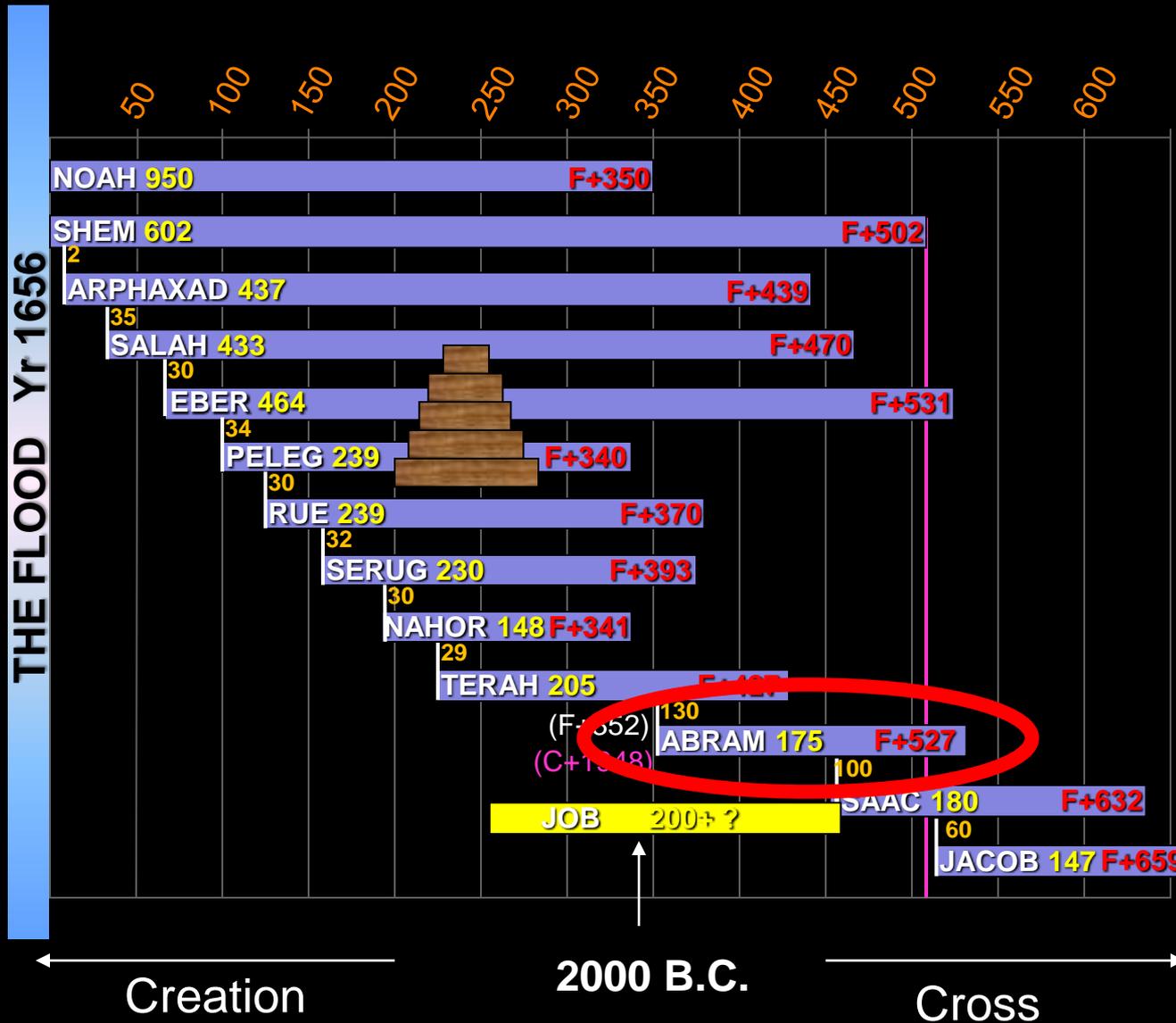
And Cainan lived **seventy years**, and begat Mahalaleel:

Gen 5:12

# Genesis 5 Genealogy



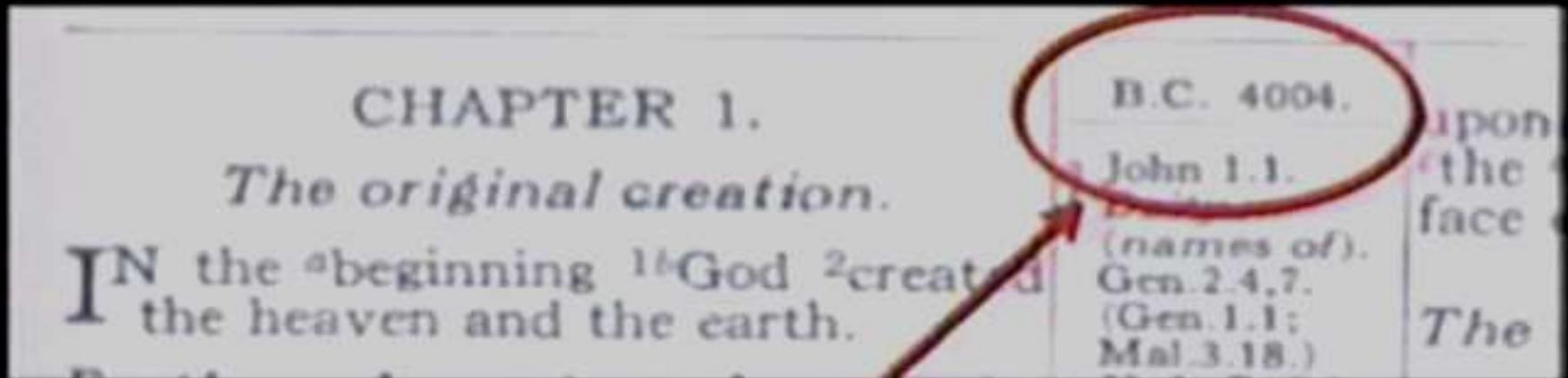
# The Post Flood Years



Abraham  
& Isaac  
could  
both have  
known  
Shem!

# The Age of The Earth

Archbishop James Ussher (1581-1656) calculated the date of creation to be October 23, 4004 B.C.



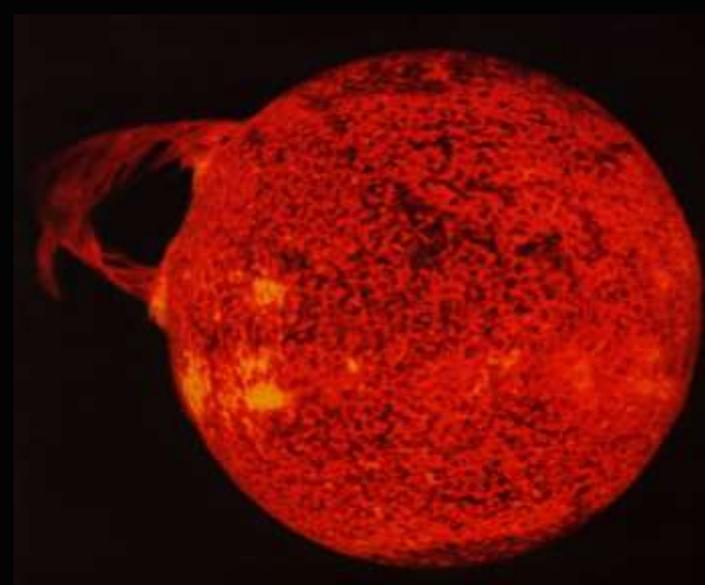
***Scofield Reference Bible 1909***

The was generally accepted by the scientific

# The Nebular Hypothesis

“Some four billion years ago, the sun had ejected a tail, or a filament, of material that cooled and collected and thus formed the planets...”

*General History of Nature and Theory of the Heavens,*  
Immanuel Kant, 1755



# The Nebular Hypothesis

“Some four billion years ago, the sun had ejected a tail, or a filament, of material that cooled and collected and thus formed the planets...”

*General History of Nature and Theory of the Heavens,*  
Immanuel Kant, 1755

- 21 years earlier: Emanuel Swedenborg  
(in Latin)

*Prodromus Philosophiae Retiocinantis de Infinito et  
Cause Creationis,* 1734

# Emanuel Swedenborg

(1688-1772)

- A mining engineer with a wide range of interests who also claimed to have psychic powers.
- He claimed confirmation of his nebular hypothesis from seances with men on Jupiter, Saturn and places more distant.
- (Some 20 years earlier, in 1712, when Swedenborg was 24 years old, he had the opportunity to visit with Edmund Halley at Cambridge, famous for his predictions regarding the comet that still bears his name.)

# The Nebular Hypothesis

- Pierre Simon Laplace (1749-1827) lent his endorsement to Kant's theory, but without checking the mathematical validations he was capable of providing.
- Thus, the nebular hypothesis gained widespread respectability despite serious mathematical flaws.
- Subsequent writers have continued to develop variations of this view even though increasing difficulties render it rather doubtful.

# James Hutton



“James Hutton (b.3 June 1726 in Edinburgh) was a Scottish geologist, noted for formulating uniformitarianism and the Plutonist School of thought. He is considered by many to be the father of modern geology”

Plutonic theory “is the geologic theory proposed by James Hutton around the turn of the 19<sup>th</sup> century that volcanic activity was the source of rocks on the surface of the Earth. It was named for Pluto, the ancient Roman god of the underworld. This replaced Abraham Werner’s Neptunism theory, which claimed that rocks had originated from a great flood and were basically sedimentary in origin”.

# James Hutton



“James Hutton (b.3 June 1726 in Edinburgh) was a Scottish geologist, noted for formulating uniformitarianism and the Plutonist School of thought. He is considered by many to be the father of modern geology”

**Uniformitarianism** “is one of the most basic principles of modern geology, the observation that fundamentally the same geological processes that operate today also operated in the distant past. It exists in contrast with catastrophism, which states that Earth surface features originated suddenly in the past, by geological processes radically different to those currently occurring”

Observation?

# Charles Lyell

Charles Lyell was born in Kinnordy, Angus, (Scotland, in 1797)



Having attended Exeter College, Oxford ending in 1816, Lyell encountered geology as a serious profession under the wing of the naturalist William Buckland. By 1827 he had abandoned law and embarked on a long geological career that would result in the widespread acceptance of the ideas **proposed by James Hutton a few decades before**

# Charles Lyell



*Principles of Geology*, Lyell's first book, was also his most famous, most influential, and most important. First published in three volumes in 1830-33, it established Lyell's credentials as an important geological theorist and introduced the **doctrine** of uniformitarianism. The central argument in *Principles* was that "**the present is the key to the past:**"

# Charles Lyell

Lyell's interpretation of geologic change as the steady accumulation of minute changes over **enormously long spans of time** was also a central theme in the Principles, and a powerful influence on .....



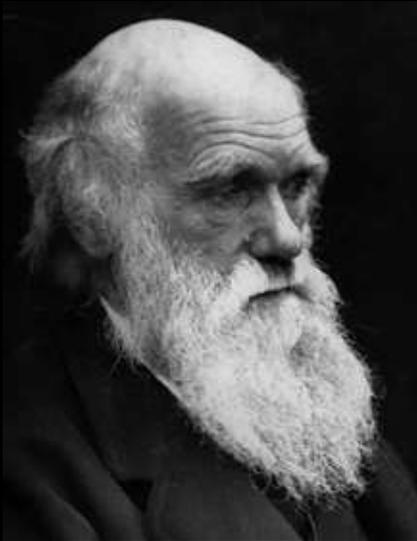
# Charles Lyell



.....the young **Charles Darwin**, who was given Volume 1 of the first edition by Robert FitzRoy, captain of HMS Beagle, just before they set out on the voyage of the Beagle.

On their first stop ashore at St Jago Darwin found rock formations which seen "through Lyell's eyes" gave him a revolutionary insight into the geological history of the island, an insight he applied throughout his travels.

# Charles Darwin



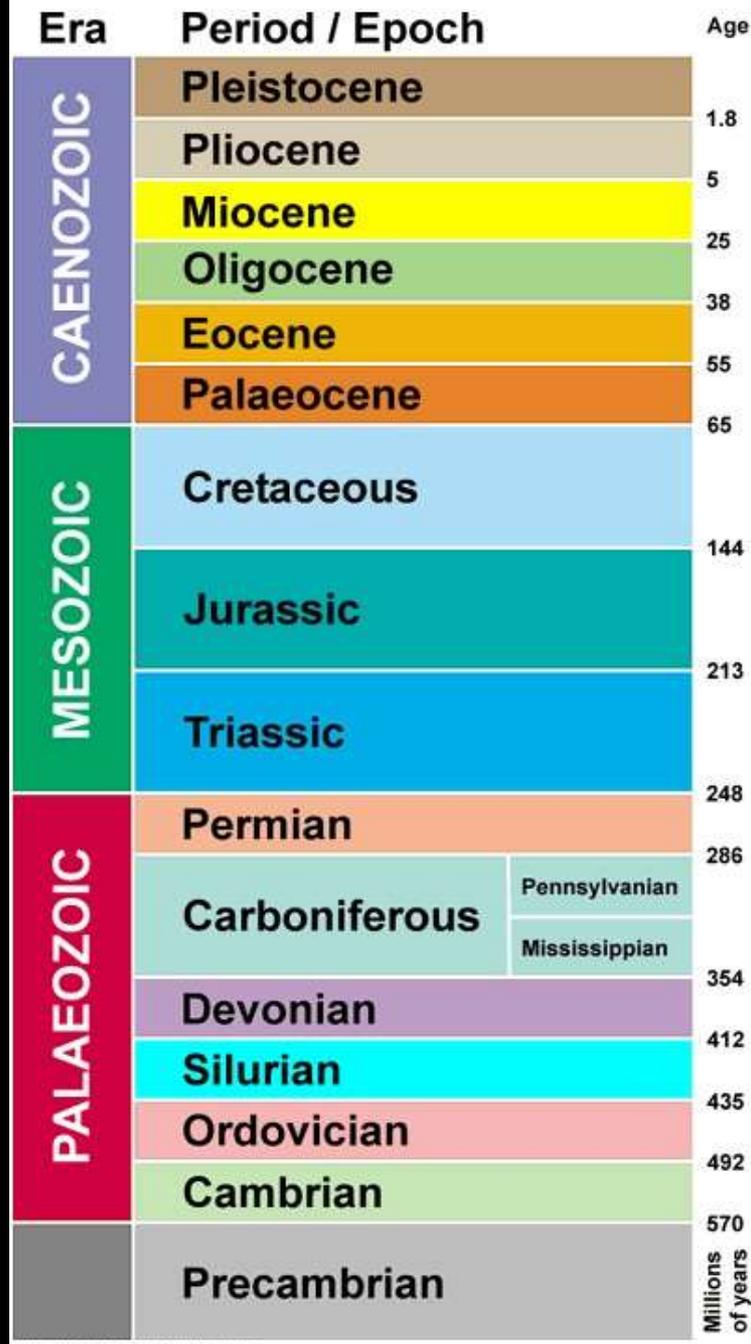
**“Disbelief crept over me on a very slow rate, but at last complete. The rate was so slow that I felt no distress.”**

Letter to Russell Wallace in 1868  
published in *World's Greatest Letters*

# The Geologic Column?

GEOLOGIC TIME SCALE

ERA	PERIOD	EPOCH	SUCCESION OF LIFE	INDEX FOSSILS
CEENOZOIC Recent life	QUATERNARY 0 - 1 Million Years Rise of Man	Recent Homo Sapiens		MAMMOTH, HOMO SAPIENS
	TERTIARY 50 Million Years Rise of Mammals	13 epochs Dinosaur Climax Carnivores Pulsation		GLYPTODON, MAMMOTH, MAMMILLARIA
MESOZOIC middle life	CRETACEOUS 72 Million Years Modern seed-bearing plants, Dinosaurs			SAURITRILE, MOLLUSK, PTERODACTYL
	JURASSIC 46 Million Years First birds			SAURITRILE, MOLLUSK, PTERODACTYL
	TRIASSIC 49 Million Years Dinosaurs and dinosaurs			SAURITRILE, MOLLUSK, PTERODACTYL
PALAEOZOIC ancient life	PERMIAN 50 Million Years First reptiles			SAURITRILE, MOLLUSK, PTERODACTYL
	CARBONIFEROUS	PENNSYLVANIAN 35 Million Years First insects		SAURITRILE, MOLLUSK, PTERODACTYL
		MISSISSIPPIAN 35 Million Years Many of insects		SAURITRILE, MOLLUSK, PTERODACTYL
	DEVONIAN 63 Million Years First soft plants, cartilage fish			TRILOBITE, FISH
	SILURIAN 29 Million Years Earliest land animals			TRILOBITE, FISH
	ORDOVICIAN 25 Million Years Early bony fish			TRILOBITE, FISH
	CAMBRIAN 100 Million Years Invertebrate animals, first plants, trilobites			TRILOBITE, FISH
	PRECAMBRIAN Very few fossils present (simple algae-plant-like)			TRILOBITE, FISH



**“In about 1830, Charles Lyell, Paul Deshayes, and Heinrich George Bronn independently developed a biostratigraphic technique [geologic column] for dating Cenozoic deposits based on relative proportions of living and extinct species of fossil mollusks....**

**Strangely, little effort has been made to test this assumption. This failure leaves the method vulnerable to circularity.”**

Stanley, Steven M., Warron O. Addicott, and Kiyotaka Chinzei, “Lyellian Curves in Paleontology: Possibilities and Limitations,” *Geology*, vol. 8 (September 1980), p. 422

**“The intelligent layman has long suspected **circular reasoning** in the use of rocks to date fossils and fossils to date rocks.”**

[ J.E. O'Rourke,

*American Journal of Science* 1976, 276:51 ]

**“The geologist has never bothered to think of a good reply, feeling the explanations are not worth the trouble as long as the work brings results.”**

[ J.E. O'Rourke, *American Journal of Science* 1976, 276:51 ]

See also *In the Beginning* by Walt Brown p. 64 Avail. From CSE.

**“It cannot be denied that from a strictly philosophical standpoint geologists are here **arguing in a circle**. The succession of organisms has been determined by a study of their remains embedded in the rocks, and the relative **ages of the rocks** are determined by the remains of **organisms** that they contain.”**

Rastall, R. H., “**Geology**,” *Encyclopedia Britannica*, vol. 10 (1949). Rastall was a lecturer in Economic Geology, University of London. P. 168

# Dating Methods?

Carbon 14 dating:

- only works on living (or once living) subjects
- and can only take us back 50,000 years anyway

Radiometric dating?

**“Apart from very  
‘modern’ examples,  
which are really  
archaeology, I can think  
of no cases of  
radioactive decay being  
used to date fossils.”**

Ager, Derek V., "Fossil Frustrations," *New Scientist*, vol. 100 (November 10, 1983), p. 425.

**“Ever since William Smith at the beginning of the 19th century, fossils have been and still are the best and most accurate method of dating and correlating the rocks in which they occur.”**

Ager, Derek V., "Fossil Frustrations," *New Scientist*, vol. 100 (November 10, 1983), p. 425.

**“Radiometric dating  
would not have been  
feasible if the geologic  
column had not been  
erected first.”**

O'Rourke, J. E., “Pragmatism versus Materialism  
in Stratigraphy,” *American Journal of Science*,  
vol. 276 (January 1976), p. 54

**“The rocks do date the fossils, but the fossils date the rocks more accurately.**

**Stratigraphy cannot avoid this kind of reasoning if it insists**

**“on using only  
temporal concepts,  
because **circularity is  
inherent** in the  
derivation of time  
scales.”**

O'Rourke, J. E., "Pragmatism versus Materialism in Stratigraphy," *American Journal of Science*, vol. 276 (January 1976), p. 53

**“The charge of *circular reasoning* in stratigraphy can be handled in several ways. It can be *ignored*, as not the proper concern of the **public**. [you have no right to question us]**

**“It can be *denied*, by calling down the Law of Evolution. It can be *admitted*, as a common practice... Or it can be *avoided*, by pragmatic reasoning.”**

O'Rourke, J. E., "Pragmatism versus Materialism in Stratigraphy." *American Journal of Science*, vol. 276 (January 1976), p. 54

**“Are the authorities  
maintaining, on the one hand,  
that evolution is documented  
by geology and, on the other  
that geology is documented by  
evolution?**

**Isn't this a circular argument?”**

Azar, Larry, “Biologists, Help!” *Bioscience*, vol. 28 (November 1978), pp. 714. Azar was in the Department of Philosophy, Iona College.

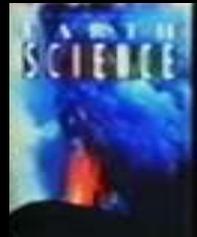
# Index Fossils

GEOLOGIC TIME SCALE

ERA	PERIOD	EPOCH	SUCCESION OF LIFE	INDEX FOSSILS
CEENOZOIC Recent life	QUATERNARY 0 - 1 Million Years Rise of Man	Recent Holocene 2778		BEETLE, SHELL, MAMMOTH
	TERTIARY 80 Million Years Rise of Mammals	13 epochs Oligocene Eocene Palaeocene		GLYPTERID, MAMMOTH, SHELL, MAMMOTH
MESOZOIC middle life	CRETACEOUS 72 Million Years Modern seed-bearing plants, Dinosaurs			AMMONITE, MOLLUSK, BRYOZOA
	JURASSIC 46 Million Years First birds			AMMONITE, MOLLUSK, BRYOZOA
	TRIASSIC 49 Million Years Dinosaurs and dinosaurs			AMMONITE, MOLLUSK, BRYOZOA
PALAEOZOIC ancient life	PERMIAN 50 Million Years First reptiles			AMMONITE, MOLLUSK, BRYOZOA
	CARBONIFEROUS 35 Million Years First insects	PENNSYLVANIAN		AMMONITE, MOLLUSK, BRYOZOA
		MISSISSIPPIAN		AMMONITE, MOLLUSK, BRYOZOA
	DEVONIAN 63 Million Years First soft plants, cartilage fish			AMMONITE, MOLLUSK, BRYOZOA
	SILURIAN 29 Million Years Earliest land animals			AMMONITE, MOLLUSK, BRYOZOA
	ORDOVICIAN 25 Million Years Early bony fish			AMMONITE, MOLLUSK, BRYOZOA
	CAMBRIAN 100 Million Years Invertebrate animals, first trilobites			AMMONITE, MOLLUSK, BRYOZOA
PRECAMBRIAN Very few fossils present (simple sea-algae-plant life)			AMMONITE, MOLLUSK, BRYOZOA	

Era	Period / Epoch	Age	
CAENOZOIC	Pleistocene	1.8	
	Pliocene	5	
	Miocene	25	
	Oligocene	38	
	Eocene	55	
	Palaeocene	65	
MESOZOIC	Cretaceous	144	
	Jurassic	213	
	Triassic	248	
PALAEOZOIC	Permian	286	
	Carboniferous	Pennsylvanian	286
		Mississippian	354
	Devonian	412	
	Silurian	435	
	Ordovician	492	
	Cambrian	570	
Precambrian	Millions of years		

“Trilobite fossils make good index fossils. If a trilobite such as this one is found in a rock layer, the layer was *probably* formed 500 to 600 million years ago”



# Putting Your Foot In It!



**Human shoe print with trilobite inside. Found by William Meister of Kearns, Utah June 1, 1968. Dr. H.H. Doelling of Utah's Geological Survey verified it was not a fake. Photo from *Roadside Digest: Mysteries of the Unexplained* p.**

# The Hard Facts!

## Graptolites

**Index fossils for 410 million year old rocks**



**Graptolites still found alive in South Pacific!**

**Lobe-fined  
fish are  
index  
fossils for  
325 million  
year old  
rock.**

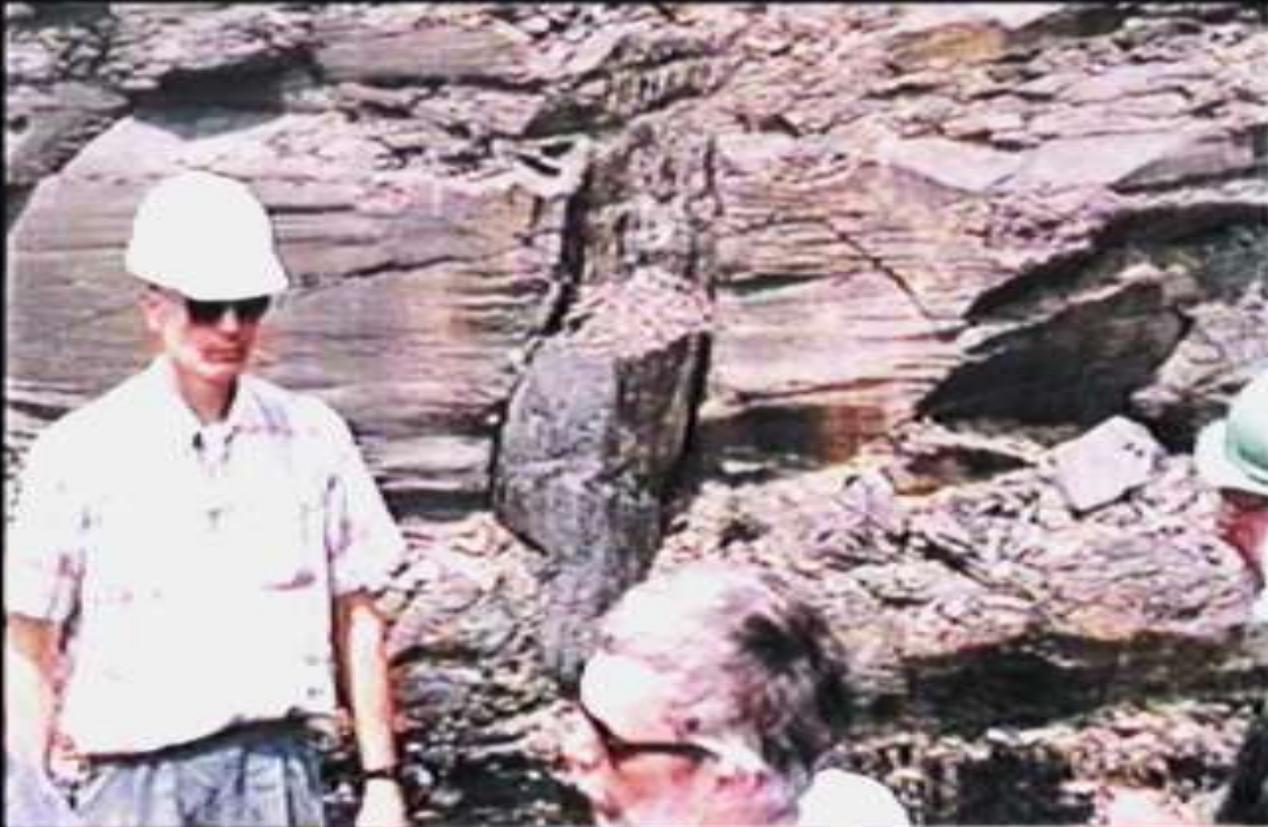


# A Bit Fishy?



The “325 million year old” lobe-fin coelacanth is still very much alive.

# A Tre-mendous Problem!



[http://www.westga.edu/geology/rlgs\\_web/bps\\_field\\_trips.html#Trips\\_7\\_99](http://www.westga.edu/geology/rlgs_web/bps_field_trips.html#Trips_7_99)  
Dr. Don McDonald Troy State University 334/361-1296 FAX: 334/241-9734  
mcdonald@tsum.edu or Samford Hendon 205-384-2466

# A Tre-mendous Problem!

Some polystrate trees are **upside down** extending through many layers including layers of coal.

Picture from *Bone of Contention* by Silvia Baker  
p. 12  
(available from CSE \$3.50)



*Polystrate tree trunks near Saint Etienne, France.*

# A Tre-mendous Problem!

**The evolutionary geologist only has two choices to solve this dilemma:**

1. The trees stool upright for millions of years while the sediment layers formed around them.
2. The trees grew through hundreds of feet of solid sedimentary rock looking for sunlight!

# Age of the Earth

- Radio Polonium Halos

- Spin rate of the earth

- Not Enough Bones

- Universal Problems

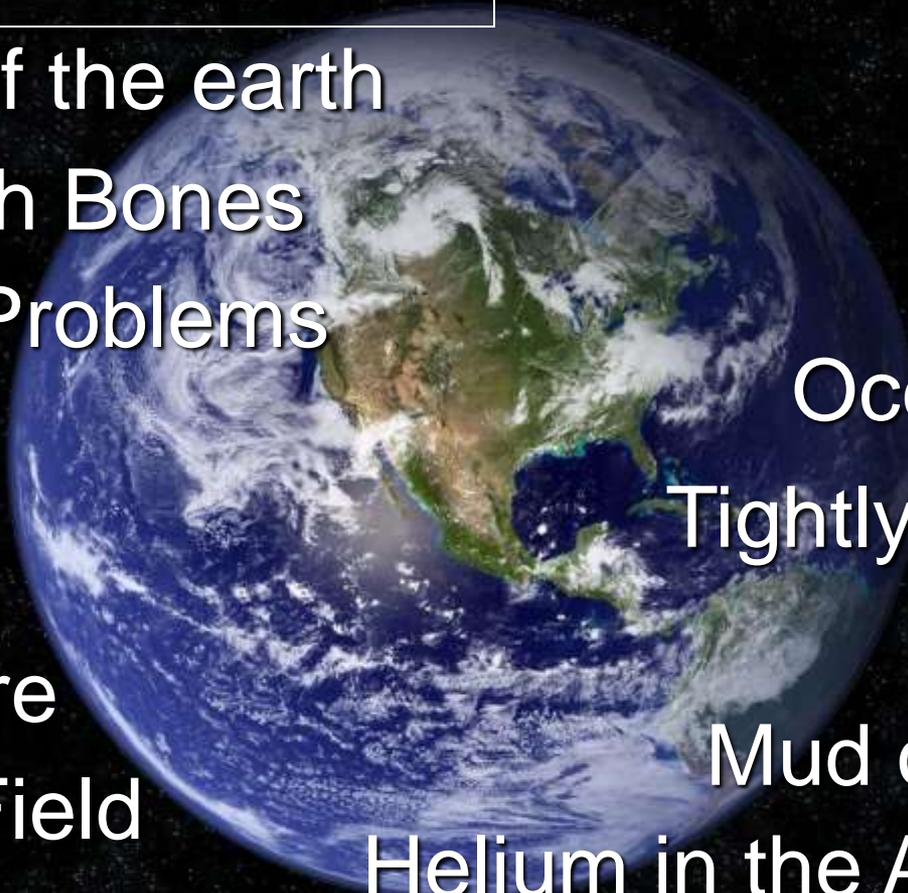
- Population

- The Moon

- Oil Pressure

- Magnetic Field

- Fossils



- Sahara

- Comets

- Mountains

- Ocean Salinity

- Tightly bent strata

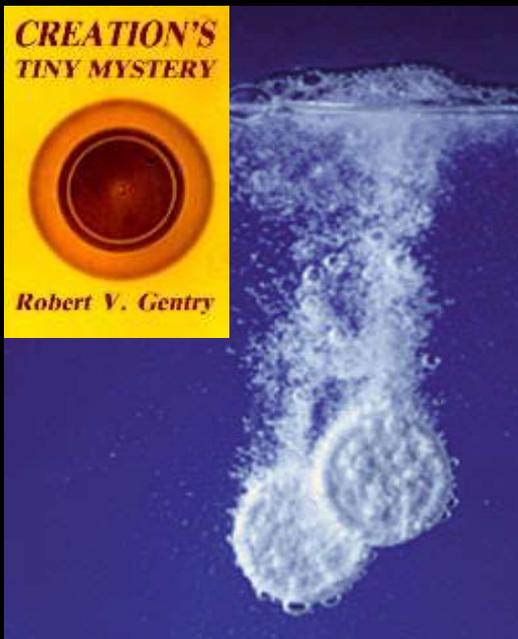
- Coral Reef

- Mud on sea floor

- Helium in the Atmosphere

# Radio Polonium Halos

“Polonium microspheres — or halos — contradict the evolutionary belief that granites formed as hot magma and slowly cooled over millions of years. To the contrary, halos provide unambiguous evidence of both an almost instantaneous creation of granites and the young age of the earth.”



“An exceedingly large number of polonium halos are embedded in granites around the world. Just as frozen Alka-Seltzer bubbles would be clear evidence of the quick-freezing of the water, so are these many polonium halos undeniable evidence that a sea of primordial matter quickly "froze" into solid granite. The occurrence of these polonium halos, then, distinctly implies that our earth was formed in a very short time, in complete harmony with the biblical record of creation.”

# Age of the Earth

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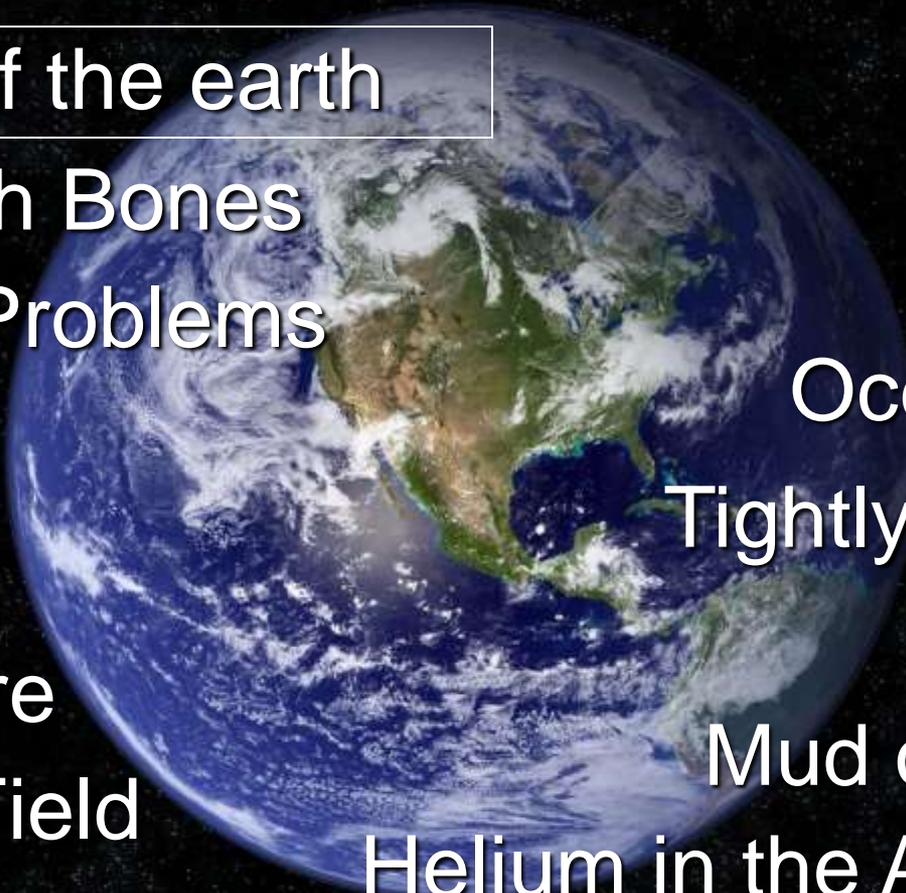
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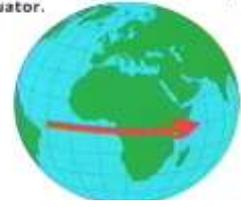
# WORLD NEWS

### Historical list of leap seconds since 1972

Date Introduced	UTC-to-leap second	TAI - UTC (seconds)
1 Jan 1972	+1s	10.0
1 Jul 1972	+1s	11.0
1 Jan 1973	+1s	12.0
1 Jan 1974	+1s	13.0
1 Jan 1975	+1s	14.0
1 Jan 1976	+1s	15.0
1 Jan 1977	+1s	16.0
1 Jan 1978	+1s	17.0
1 Jan 1979	+1s	18.0
1 Jan 1980	+1s	19.0
1 Jul 1981	+1s	20.0
1 Jul 1982	+1s	21.0
1 Jul 1983	+1s	22.0
1 Jul 1985	+1s	23.0
1 Jan 1988	+1s	24.0
1 Jan 1990	+1s	25.0
1 Jan 1991	+1s	26.0
1 Jul 1992	+1s	27.0
1 Jul 1993	+1s	28.0
1 Jul 1994	+1s	29.0
1 Jan 1996	+1s	30.0
1 Jul 1997	+1s	31.0
1 Jan 1999	+1s	32.0
1 Jan 2000	+1s	33.0
1 Jan 2009	+1s	34.0
1 Jul 2012	+1s	35.0

## The earth is slowing down!

The earth is spinning about 1 000 mph at the equator.



...nd ...teacher and assistant director of the Orange County Symphony, and Mike Tilley, bass, a computer engineer. The band has been playing the length and breadth of California for the past 25 years. They have played at parties, wakes, weddings, birthdays and on

...southern Tokyo -- left the home away from home, with its lush green rolling landscape and its multitude of cherry blossom trees. "It," Fleming says, "one was struck by the commitment and dedication of our men and women in uniform as they played

...and entertained the locals for a few Sun-filled hours. It turned out that it was just one of many establishments in the city.

A special bond developed between the band members and these families and steady exchange visits have occurred when the same families were on leave in the United States.

### A Leap Second Will Be Added December 31, 2016

Published 7-Jul-2016

Because Earth is slowing down, we will synchronize our clocks by adding a leap second just before we enter 2017.

Just before midnight on New Year's Eve 2016 UTC time, a leap second will be added to Coordinated Universal Time (UTC), which is the world's main time standard.

### Earth Is Slowing Down

Leap seconds are added either at the end of June or December approximately every 18 months in order to synchronize clocks worldwide with the Earth's slowing rotation.

### Exactly how long is a day on Earth? ▶

Every 6 months, the International Earth Rotation and Reference System Service (IERS) in Paris, France announces whether a leap second needs to be added based on how much Earth's rotation speed has changed.



Wait a second before welcoming 2017.

©iStockphoto.com/poplaser1

### Give 1990 one last tick before ushering in 1991

WASHINGTON — When you count off the final seconds of 1990, wait just an instant before cheering in 1991.

By international agreement, an extra tick will be placed between 1990 and 1991 to keep regular clocks in line with atomic clocks.

Atomic clocks are tuned to a particular quiver of the cesium atom and are accurate to a billionth of a second a day. But regular clocks use days as a measure, which are growing longer by a thousandth of a second or more daily as Earth's rotation slows.

Left unadjusted, the two systems could drift apart by almost a minute in a lifetime, making life difficult for astronomers, pilots, navigators and anyone trying to point an earth dish at a satellite.

Artic, 27570 Crawford Drive in RPT. All shows begin at 7:30 p.m. For tickets, call the Score Box office at 544-0403.

• ONGONG — The Distinctive Edge, 29050 S. Western Ave., Suite 113 in RPT, continues "Third Time's a Charm," an exhibit of 3-D collages by artist Steve Jacobsen, through March 30. For gallery hours, call 433-3613.

• ONGONG — "Natural Treasures" exhibition contain-

## Historical list of leap seconds since 1972

Date Introduced	+ve/-ve leap second	<u>TAI</u> - <u>UTC</u> (seconds)
1 Jan 1972	+ve	10.0
1 Jul 1972	+ve	11.0
1 Jan 1973	+ve	12.0
1 Jan 1974	+ve	13.0
1 Jan 1975	+ve	14.0
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1 Jan 1978	+ve	17.0
1 Jan 1979	+ve	18.0
1 Jan 1980	+ve	19.0
1 Jul 1981	+ve	20.0
1 Jul 1982	+ve	21.0
1 Jul 1983	+ve	22.0
1 Jul 1985	+ve	23.0
1 Jan 1988	+ve	24.0
1 Jan 1990	+ve	25.0
1 Jan 1991	+ve	26.0
1 Jul 1992	+ve	27.0
1 Jul 1993	+ve	28.0
1 Jul 1994	+ve	29.0
1 Jan 1996	+ve	30.0
1 Jul 1997	+ve	31.0
1 Jan 1999	+ve	32.0
1 Jan 2006	+ve	33.0
1 Jan 2009	+ve	34.0
1 Jul 2012	+ve	35.0

## Time to Kill

**“Earth’s Rotation is slowing down. To compensate for this lagging motion, June will be one second longer than normal. This ‘Leap Second’ announced by the International Earth Rotation Service in February, will keep calendar time in close alignment with international time.”**

—*Astronomy Magazine*, June 1992, p 24

Also in 2016/17

Not a problem for a 6000 year old earth, but a major problem if the earth is billions of years old! – potentially the winds could have reached 5000mph!

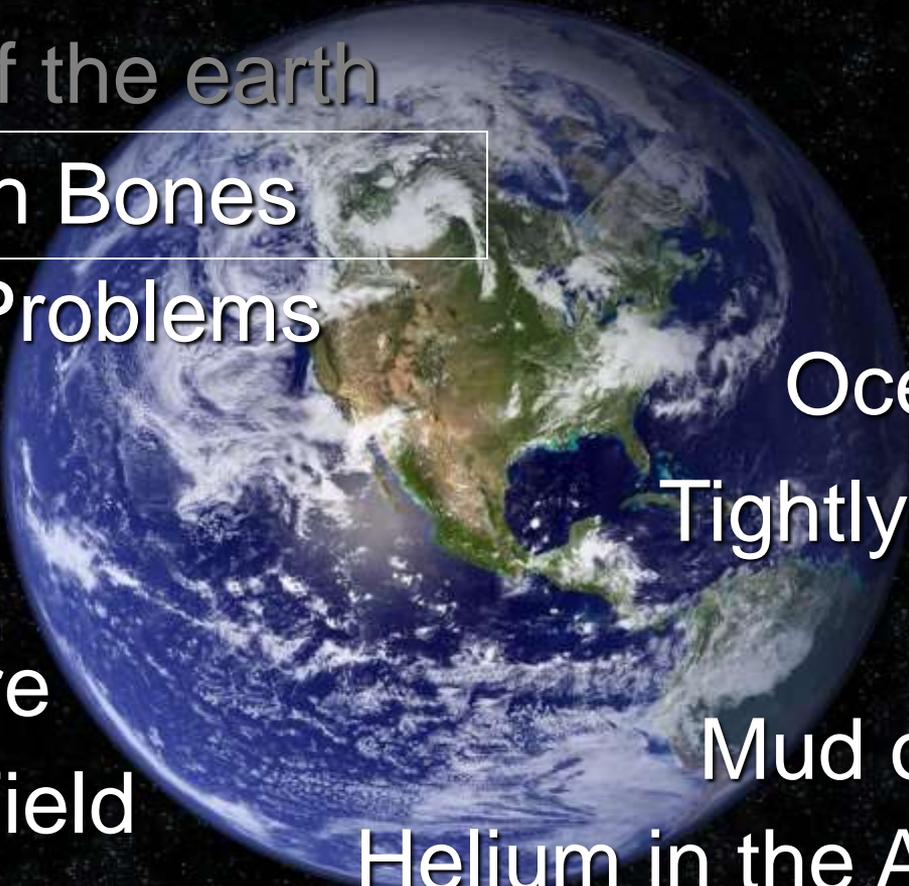
# Spin Rate of The Earth

If the Earth's deceleration has been constant, it poses a real problem for the millions-of-years theorists! If not, what caused it to start slowing?



Maybe that's what happened to the dinosaurs?!

# Age of the Earth

- 
- Radio Polonium Halos
  - Spin rate of the earth
  - Not Enough Bones
  - Universal Problems
  - Population
  - The Moon
  - Oil Pressure
  - Magnetic Field
  - Fossils
  - Sahara
  - Comets
  - Mountains
  - Ocean Salinity
  - Tightly bent strata
  - Coral Reef
  - Mud on sea floor
  - Helium in the Atmosphere

# Not Enough Bones!

## The population problem:

The evolutionary scientists who believe that man existed for over a million years have an almost insurmountable problem. Using the assumption of forty-three years for an average human generation, the population growth over a million years would produce 23,256 consecutive generations. We calculate the expected population by starting with one couple one million years ago and using the same assumptions of a forty-three-year generation and 2.5 children per family....the evolutionary theory of a million years of growth would produce trillions x trillions x trillions of people that should be alive today on our planet. To put this in perspective, this number is vastly greater than the total number of atoms in our vast universe.



If mankind had lived on earth for a million years, we would all be standing on enormously high mountains of bones from the trillions of skeletons of those who had died in past generations. However, despite the tremendous archaeological and scientific investigation in the last two centuries, the scientists have not found a fraction of the trillions of skeletons predicted by the theory of evolutionary scientists.

Article taken from *The Signature of God*, Grant R. Jeffery <sup>39</sup>



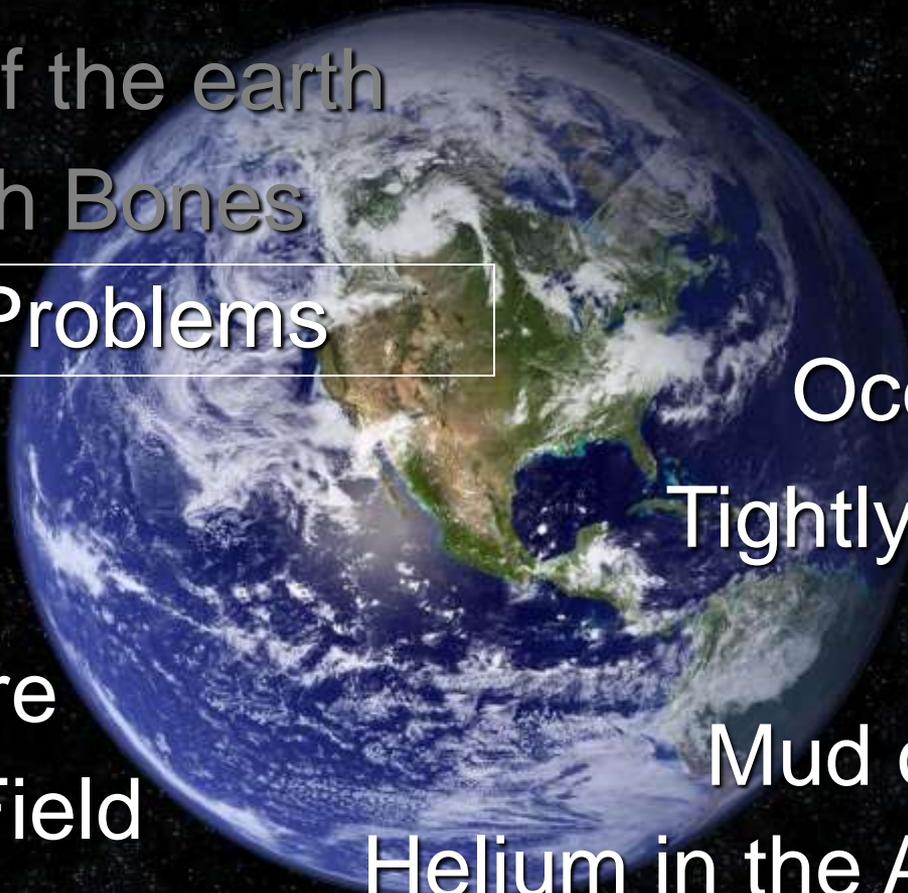
Where are all dem bones?

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# Spiral Galaxies

Since they were first discovered, galaxies have been a source of wonder. Many are arranged into beautiful spirals. But if they've been spinning for billions of years, wouldn't their arms lose their slender shape?



These spirals should lose their shape in a very old universe. Indeed, the persistence of spiral arms suggests that the universe is very young.

# Saturn's Rings

The rings of Saturn are less than 1 million years old, in spite of evolutionists' claims that the planet is 4.5–5.0 billion years old, the same as they claim for the rest of the Solar System. The rings are made up of rock and ice fragments that are being drawn closer and closer to Saturn's surface by the planet's gravitational pull.

*See It's a Young  
World After All  
by Paul  
Ackerman.*

*Also In the  
Beginning by  
Walt Brown  
p. 29 of 69 CSE-  
\$17.50*

**Saturn's rings are unstable and  
cannot be billions of years old.**

# Jupiter's Moons



**Jupiter's moon Ganymede has a strong magnetic field. "Magnetic fields are generated by the liquid motion of molten metal inside a body. Yet Ganymede should have cooled solid billions of years ago."**

*Denver Post Dec. 13, 1996 Jupiter Probe detects mysterious moon dust. By K.C. Cole*

**Holt Earth Science 1994 p. 579**

# Pluto's Surface Is Young!

Do you remember hearing this news story as it broke on 15<sup>th</sup> July 2015?

Thought not.

They only tell you what they want you to know!!



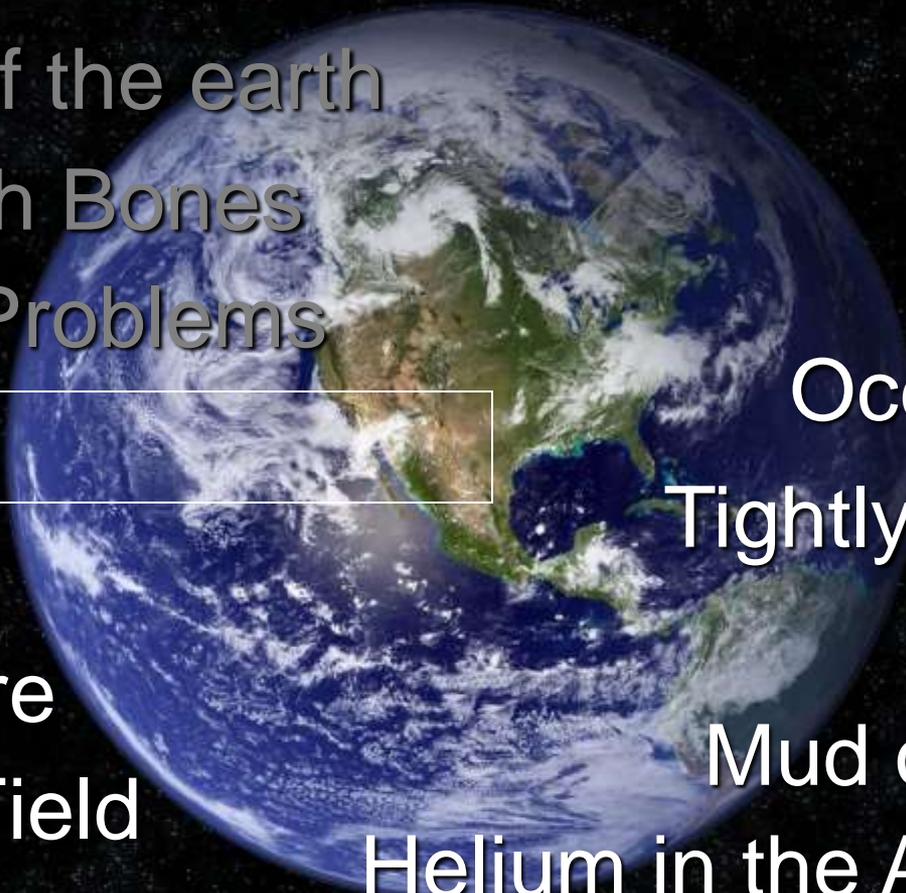
On Wednesday, July 15, 2015, NASA released the first close images of Pluto recently taken by the New Horizons space probe. What the photos revealed was a shock to conventional uniformitarian scientists who believe in a 4.5-billion-year-old solar system. Over the past half century, planetary scientists have become accustomed to finding many impact craters on the surfaces of bodies in the solar system. However, from the preliminary photos of Pluto's surface, these scientists have found far fewer craters than they expected. Earlier wide-field views of half of Pluto's surface seem to indicate **a few craters**, but the first close-up region examined appeared to have **no craters**.

# Age of the Earth

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• Population

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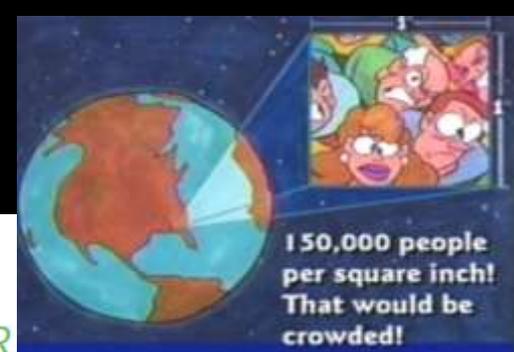
# Population

## One Plus One Equals Billions

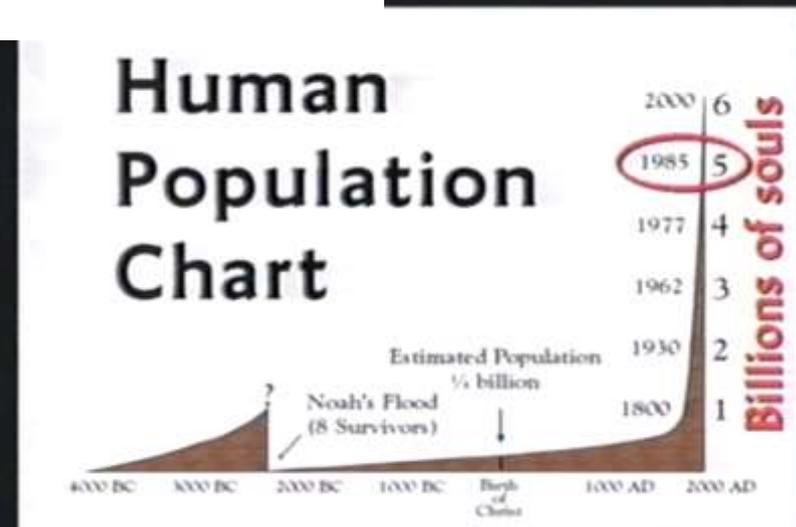
Let us start in the beginning with one male and one female. Now let us assume that they marry and have children and that their children marry and have children and so on. And let us assume that the population doubles every 150 years. Therefore, after 150 years there will be four people, after another 150 years there will be eight people, after another 150 years there will be sixteen people, and so on. It should be noted that this growth rate is actually very conservative. In reality, even with disease, famines, and natural disasters, the world population currently doubles every 40 years or so.<sup>1</sup>

After 32 doublings, which is only 4,800 years, the world population would have reached almost 8.6 billion. That's 2 billion more than the current population of 6.5 billion people, which was recorded by the U.S. Census Bureau on March 1, 2006.<sup>2</sup> This simple calculation shows that starting with Adam and Eve and assuming the conservative growth rate previously mentioned, the current population can be reached well within 6,000 years.

*SIMPLE, CONSERVATIVE  
ARITHMETIC REVEALS CLEAR  
MATHEMATICAL LOGIC FOR A  
YOUNG AGE OF THE EARTH.*

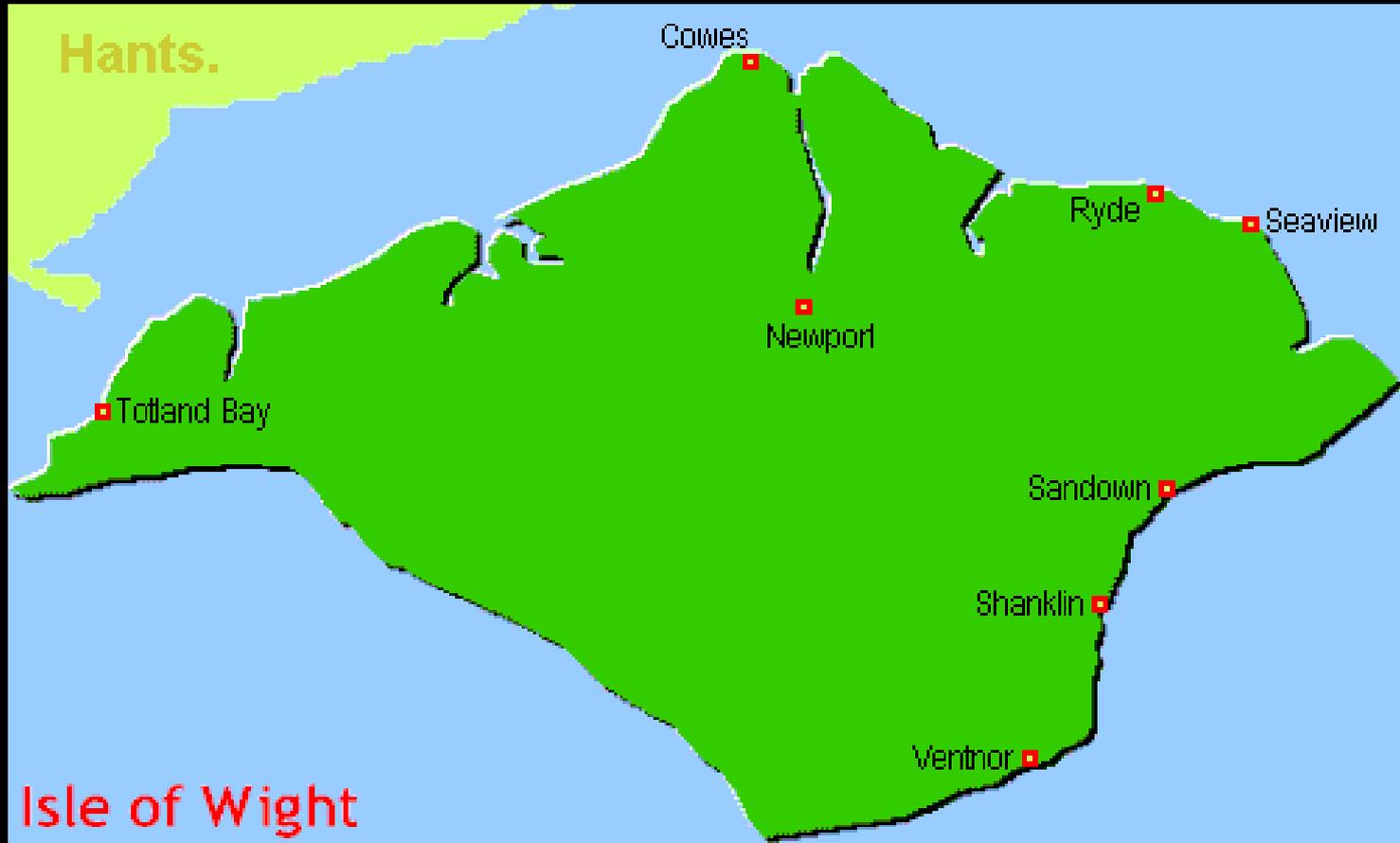


The Earth's population is consistent with the Biblical world-view...  
...and poses yet another problem for the old-earth-theorists!



# World's Population

The entire population would fit on the Isle of Wight!\*



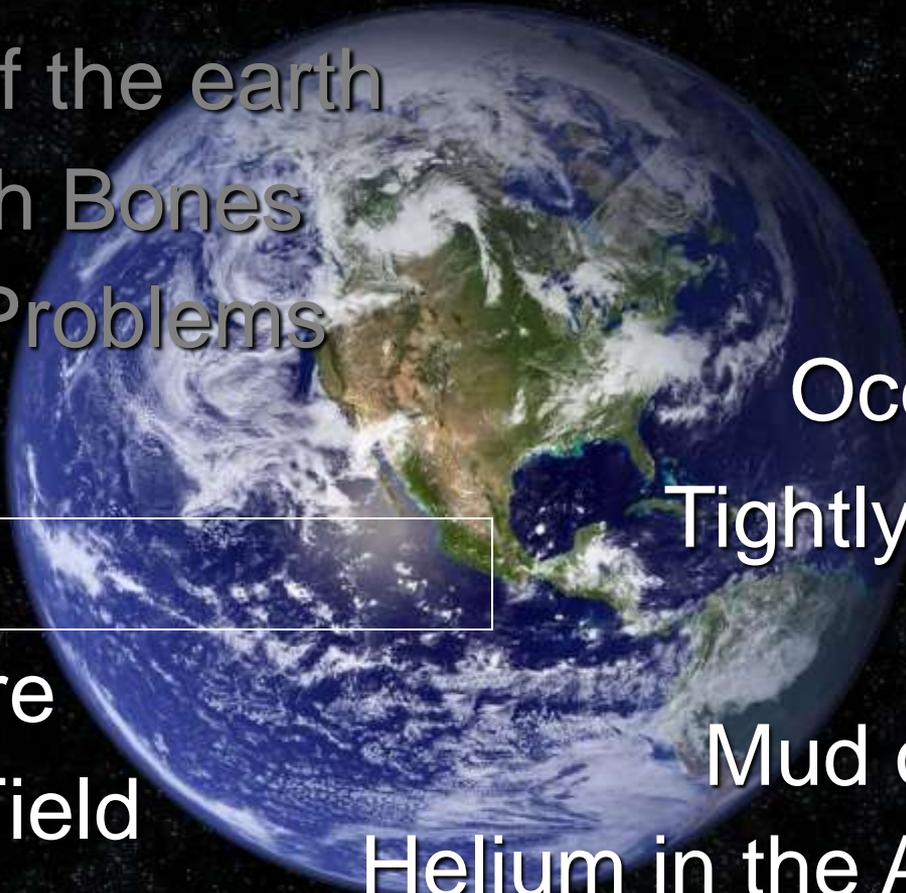
\*This is not recommended – although it would give a big boost to the tourist trade!!

# Age of the Earth

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• The Moon

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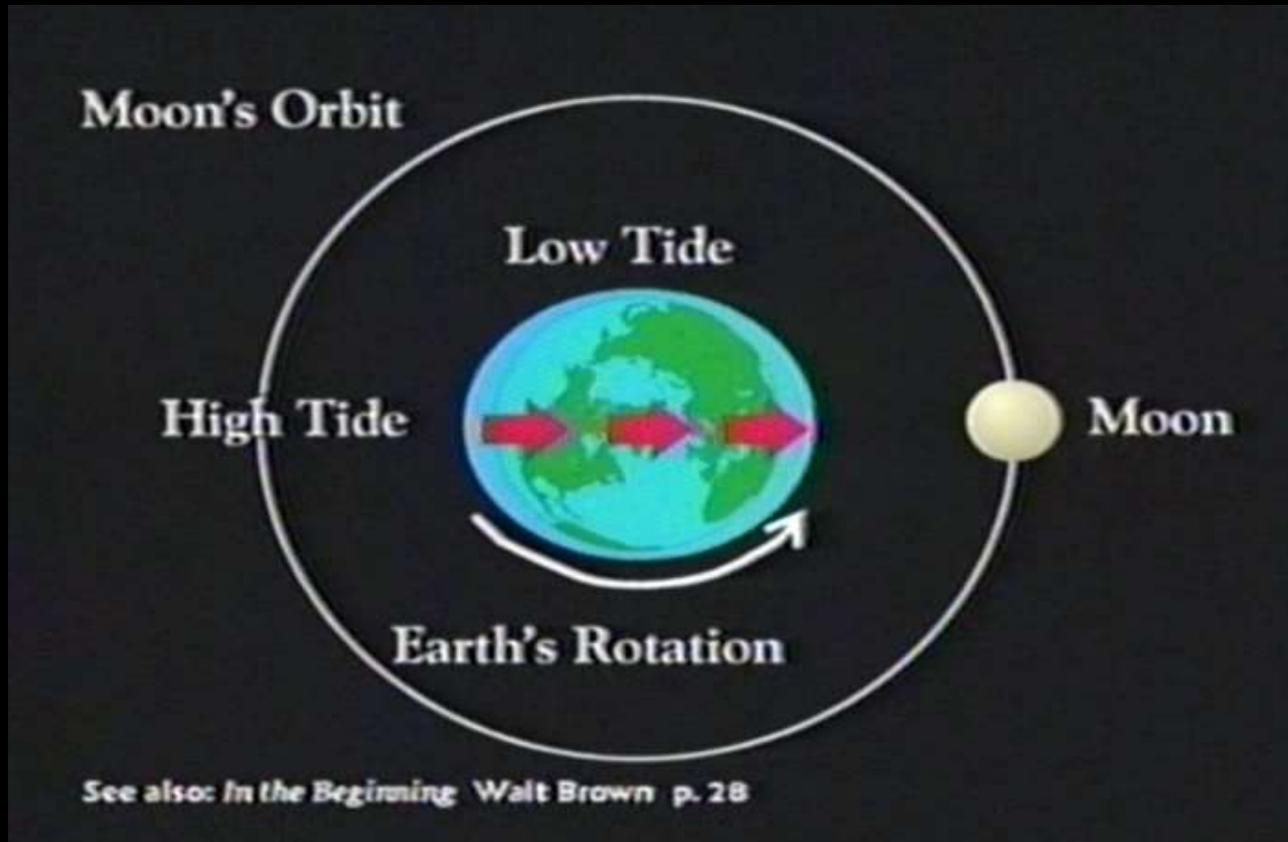
# The Moon



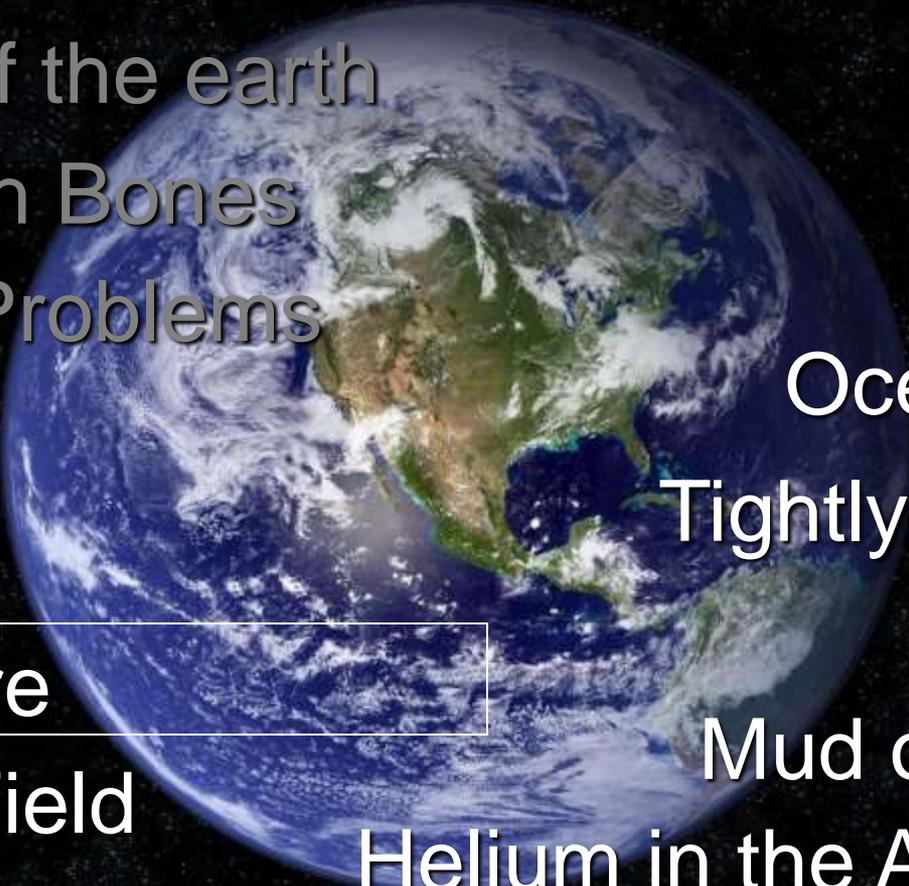
The Moon is moving away from the Earth a little bit each year!  
That means it used to be...  
...closer!

# The Moon

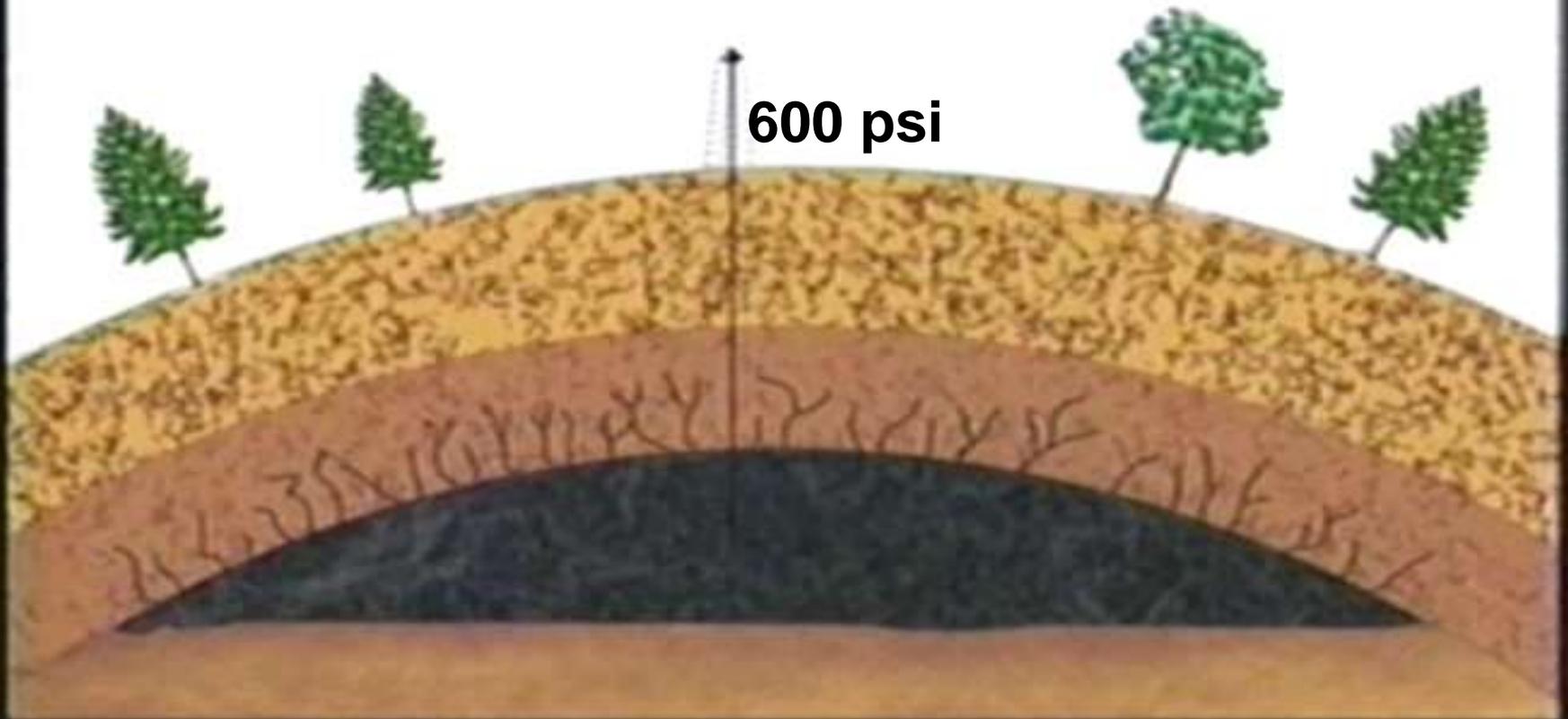
If the Earth (and Moon) were millions of years old, the gravitational effect on the Earth would have been catastrophic!



# Age of the Earth

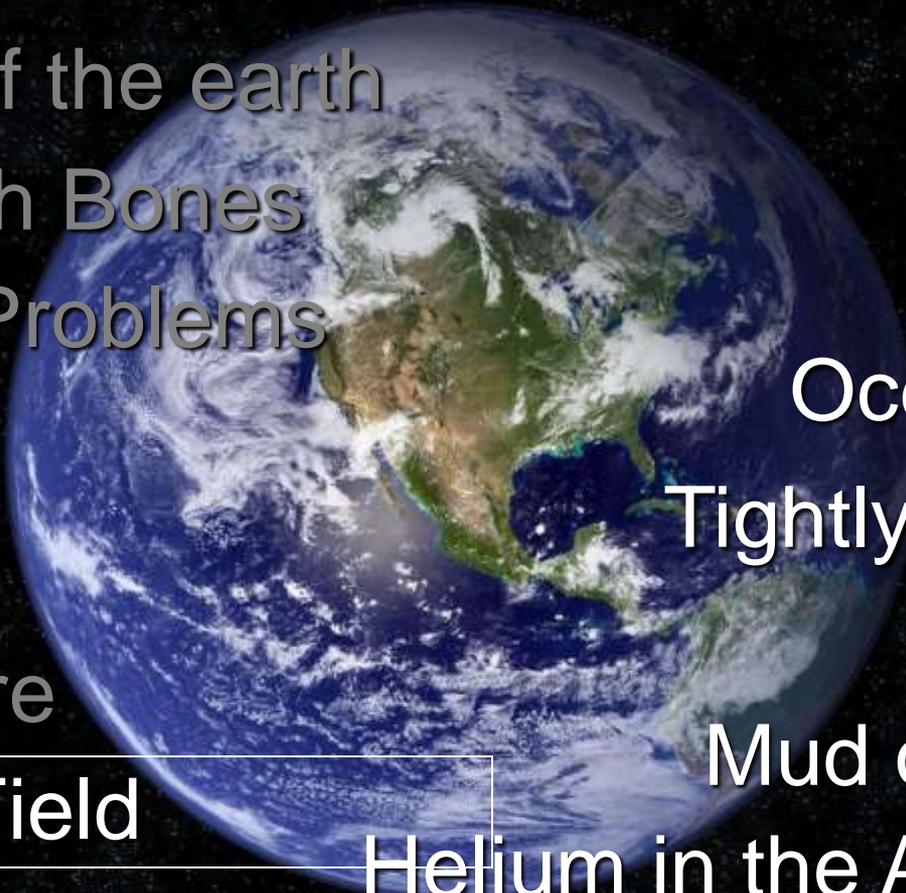
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The rock can only hold that pressure for 10,000 years or less.



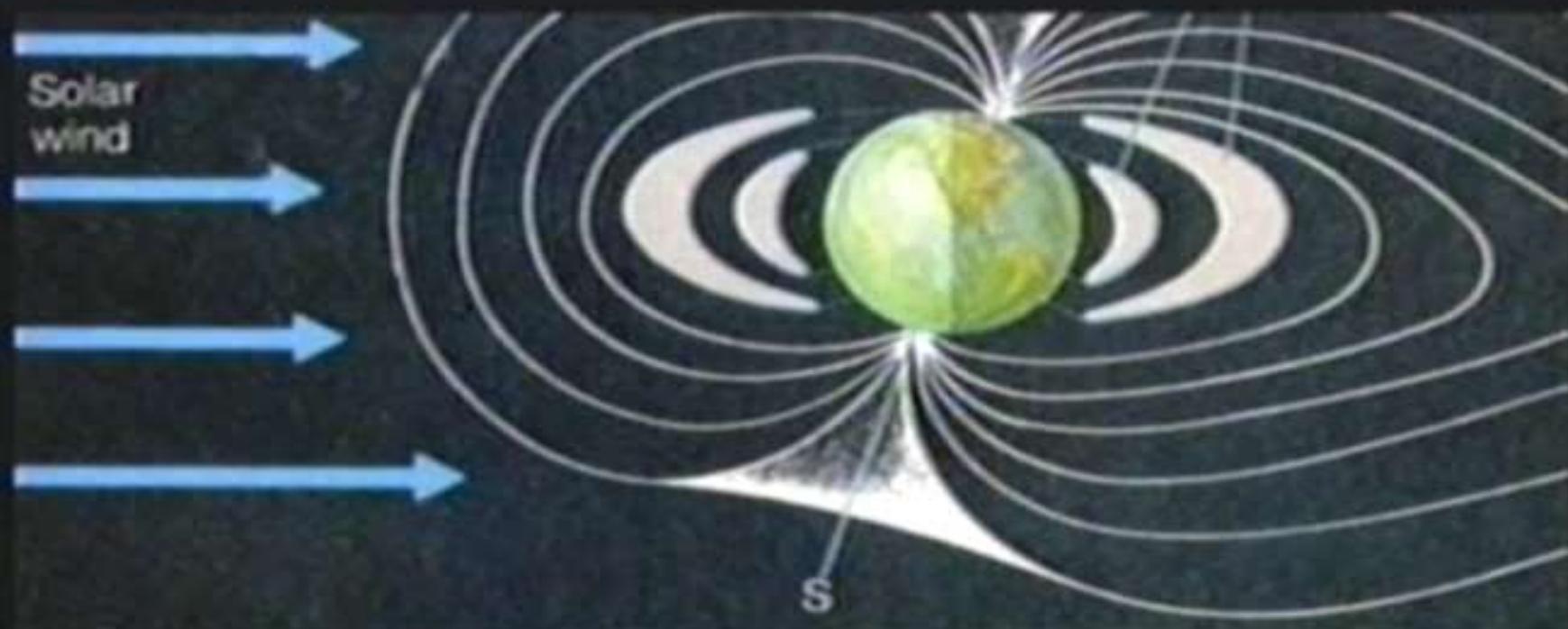
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The Earth's magnetic field is getting weaker.  
1. It cannot be billions of years old.

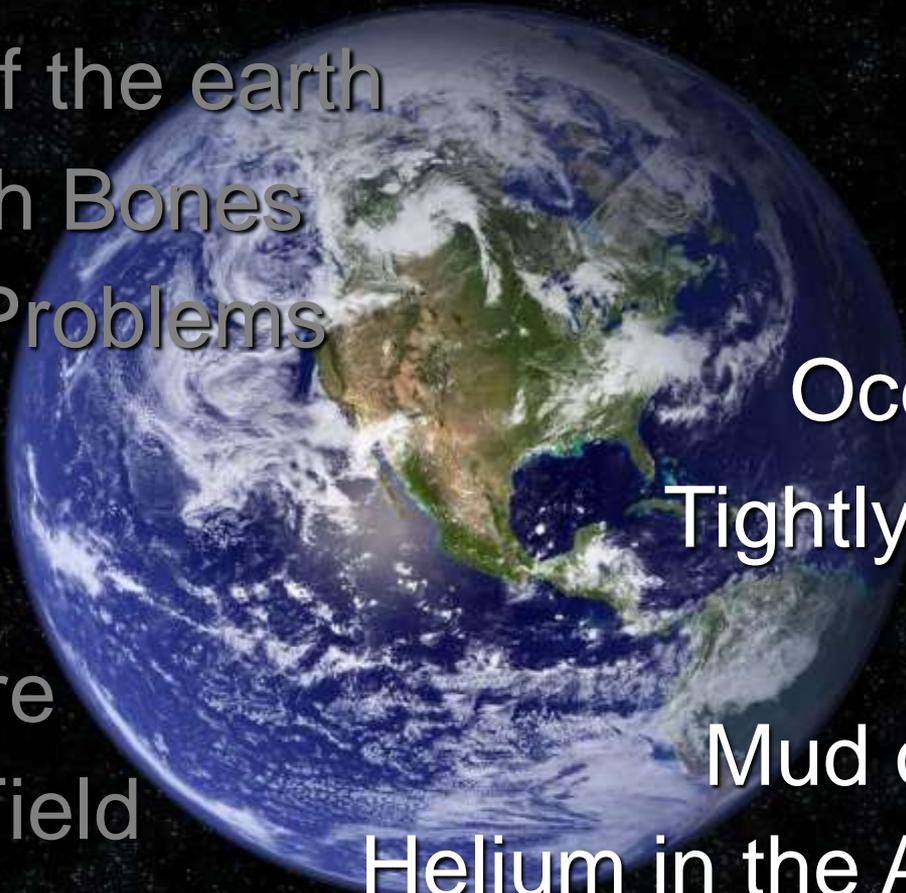


See ICR's *Impact* #188 for more on this. Also *Scientific Creationism* by Henry Morris p. 157, (619)-448-0900

# Age of the Earth

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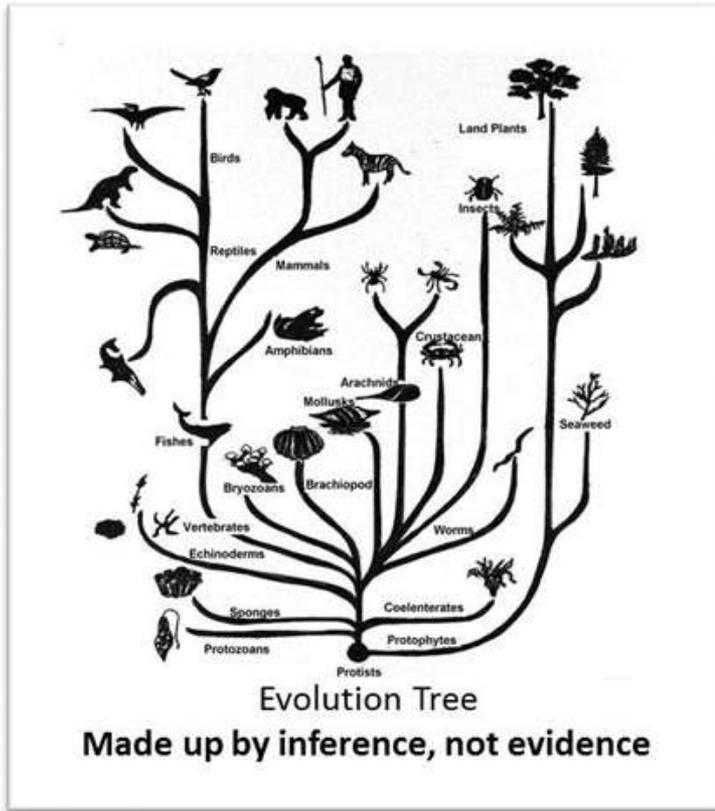
# Fossils

## The Fossil Problem

Fossils are often put forward as 'evidence' of evolution and also 'proof' that the earth is billions of years old; in fact, they are one of the strongest evidences against these two assumptions. Fossils do not show any evidence for evolution at all; a fact well recognised by Darwin himself. In his book 'The Origin of the Species' Charles Darwin said: *"But, as by this theory, innumerable transitional forms must have existed, why do we not find them imbedded in countless numbers in the crust of the earth?"*<sup>28</sup> (page 163).

Darwin added: *"The number of intermediate varieties which have formerly existed must be truly enormous. Why then is not every geological formation and every stratum full of such intermediate links? Geology assuredly does not reveal any such finely graduated organic chain, and this, perhaps, is the most obvious and serious objection which can be argued against the theory of evolution"* (Page 323).<sup>29</sup>

Stephen J Gould, a Harvard University geologist, in an article called "Evolutions Erratic Pace" published in 'Natural History Vol. 5' May 1977 concludes that the well-known evolution tree, found in almost all school biology textbooks, that draws on supposed 'evidence' from the fossil record is in reality made up by 'inference' not evidence. In other words, because there is no fossil evidence, they have just guessed, or to be more precise, made it up! He comments: *"The extreme rarity of transitional forms in the fossil record, persists as the trade secret of palaeontology"*<sup>30</sup>.



What he is saying is that geologists and palaeontologists know no evidence for intermediate forms (i.e. one creature changing into another) exists in the fossil record, but they prefer to keep it quiet! He continues: *"We fancy ourselves as the only true students of life's history, yet to preserve our favourite account of 'evolution by natural selection' we view our data as so bad, that we never see the very process that we profess to study"*.<sup>31</sup>

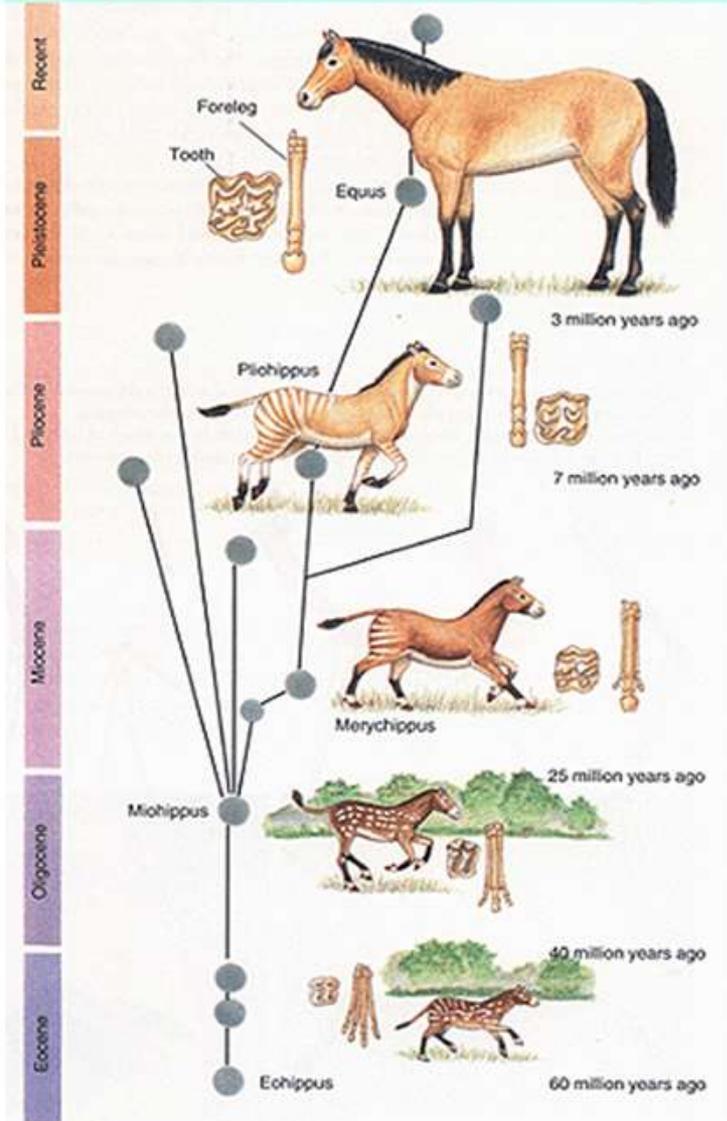
Fossils do not show any transitional forms but rather variation within kinds - exactly in accord with the Bible.

One such example of this can be seen with the supposed evolution of the horse: *"The popularly told example of horse evolution, suggesting a gradual sequence of changes from four-toed, fox-sized creatures, living nearly 50 million years ago, to today's much larger one-toed horse, has long been known to be wrong. Instead of gradual change, fossils of each intermediate species appear fully distinct, persist unchanged, and then become extinct. Transitional forms are unknown"*<sup>32</sup>. Boyce Rensberger

In addition to this, there is a problem in regard to the misconception of the way fossils are actually formed. Evolutionary propaganda has led many to believe the fossils are somehow proof of millions of years etc.

The reasoning goes like this: a particular fossil must be x number of millions of years old because it is found in certain rock layer. We know that the rock layer is that old because we find fossils in it that are x number of million years old! This is circular reasoning, bad 'science', extremely misleading and dishonest.

Nice picture... shame there is no evidence!



Question: Why do we teach this belief to children as if it were proven scientific fact? Isn't that indoctrination?

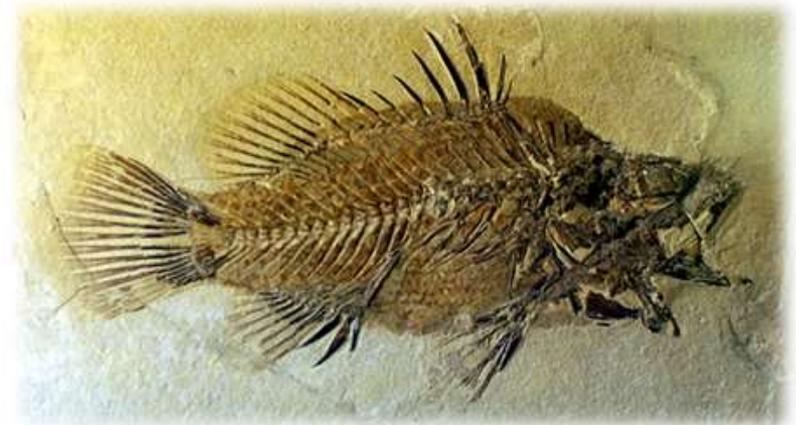


J. E. O'Rourke, in the 'American Journal of Science' notes: *"The intelligent layman has long suspected circular reasoning in the use of rocks to date fossils and fossils to date rocks"*<sup>33</sup>

Larry Azar in 'Bioscience' asks the question: *"Are the authorities maintaining, on the one hand, that evolution is documented by geology and, on the other that geology is documented by evolution? Isn't this a circular argument?"*<sup>34</sup>

Fossils are almost always formed rapidly by sudden death, burial and extreme pressure being applied to the creature or life form in question. This implies some sort of upheaval or catastrophe (such as the worldwide flood described in the Bible). Very seldom (if ever) will a creature just die and get fossilised, because unless it is covered rapidly it would simply decay or get scavenged by other creatures.

There are many examples of fossils that were obviously buried suddenly, including ones where one creature is in the middle of eating another.



Fish eating fish fossil

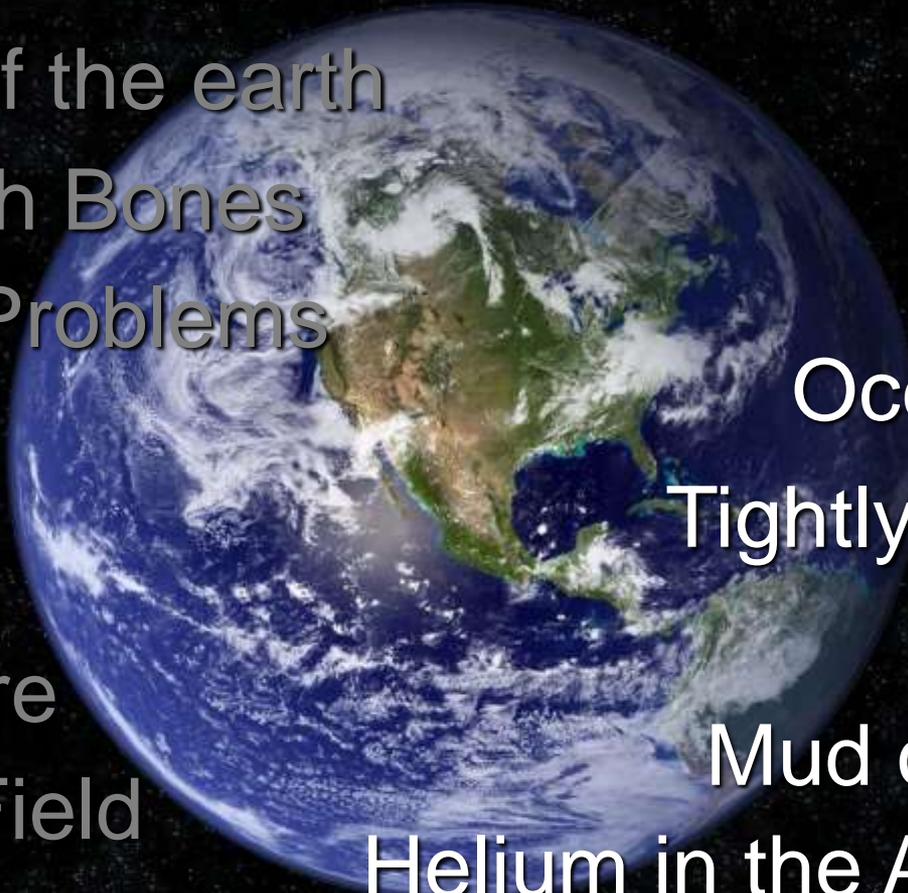
*'Recent laboratory experiments have demonstrated that many layers are laid down together, building up crab-wise. Thus fossils in lower strata could have been buried after those in higher strata. Studies of volcanic explosions show that hundreds of feet of stratified sediment can be laid down all at once'*

- Dr David Rosevear<sup>35</sup>

Clearly, geologists need a new theory, or perhaps a return to the Biblical explanations that give answers that do not contradict science or observation.

# Age of the Earth

- Radio Polonium Halos
- Spin rate of the earth
- Not Enough Bones
- Universal Problems
- Population
- The Moon
- Oil Pressure
- Magnetic Field
- Fossils



Sahara •

Comets •

Mountains •

Ocean Salinity •

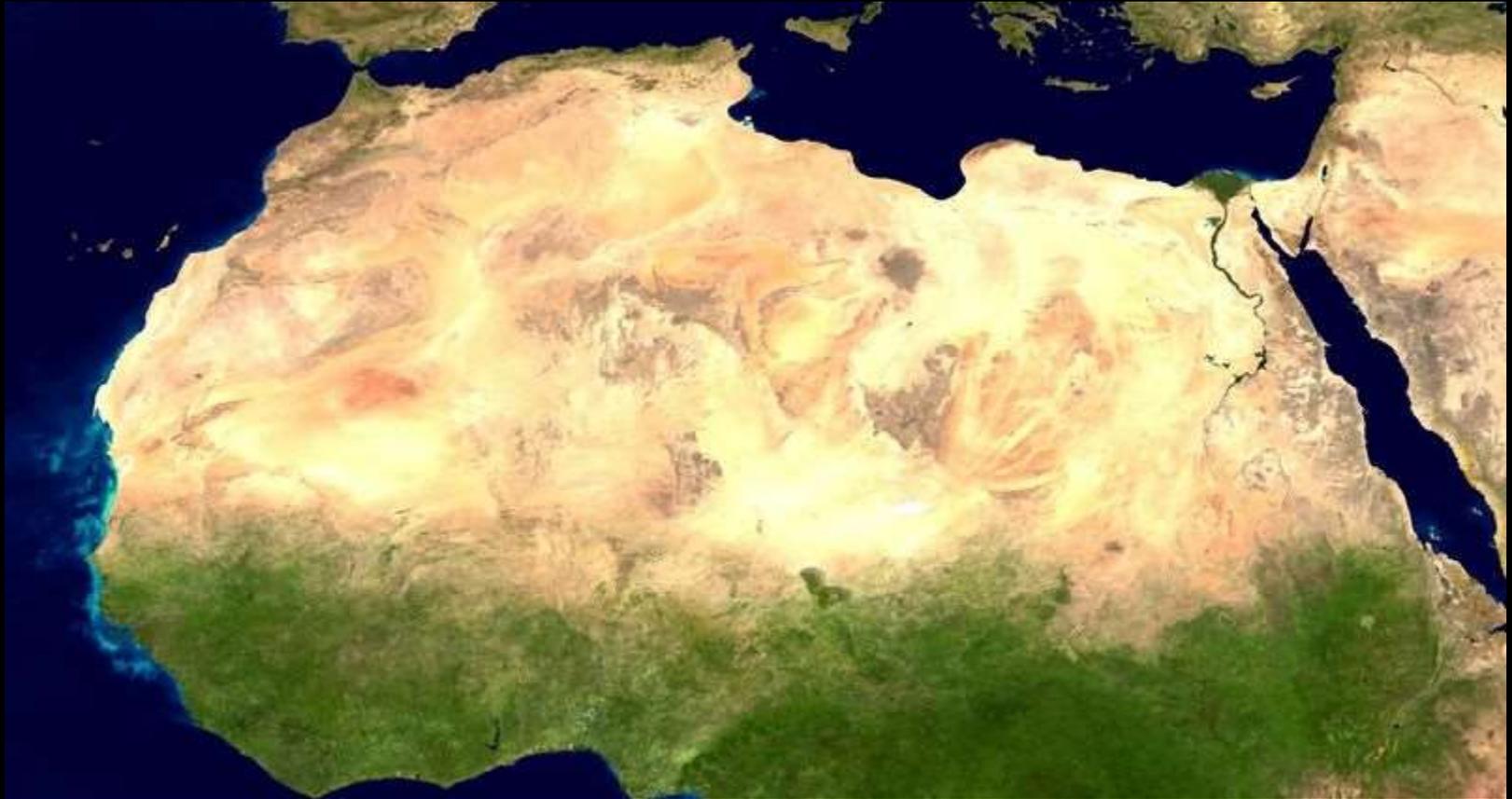
Tightly bent strata •

Coral Reef •

Mud on sea floor •

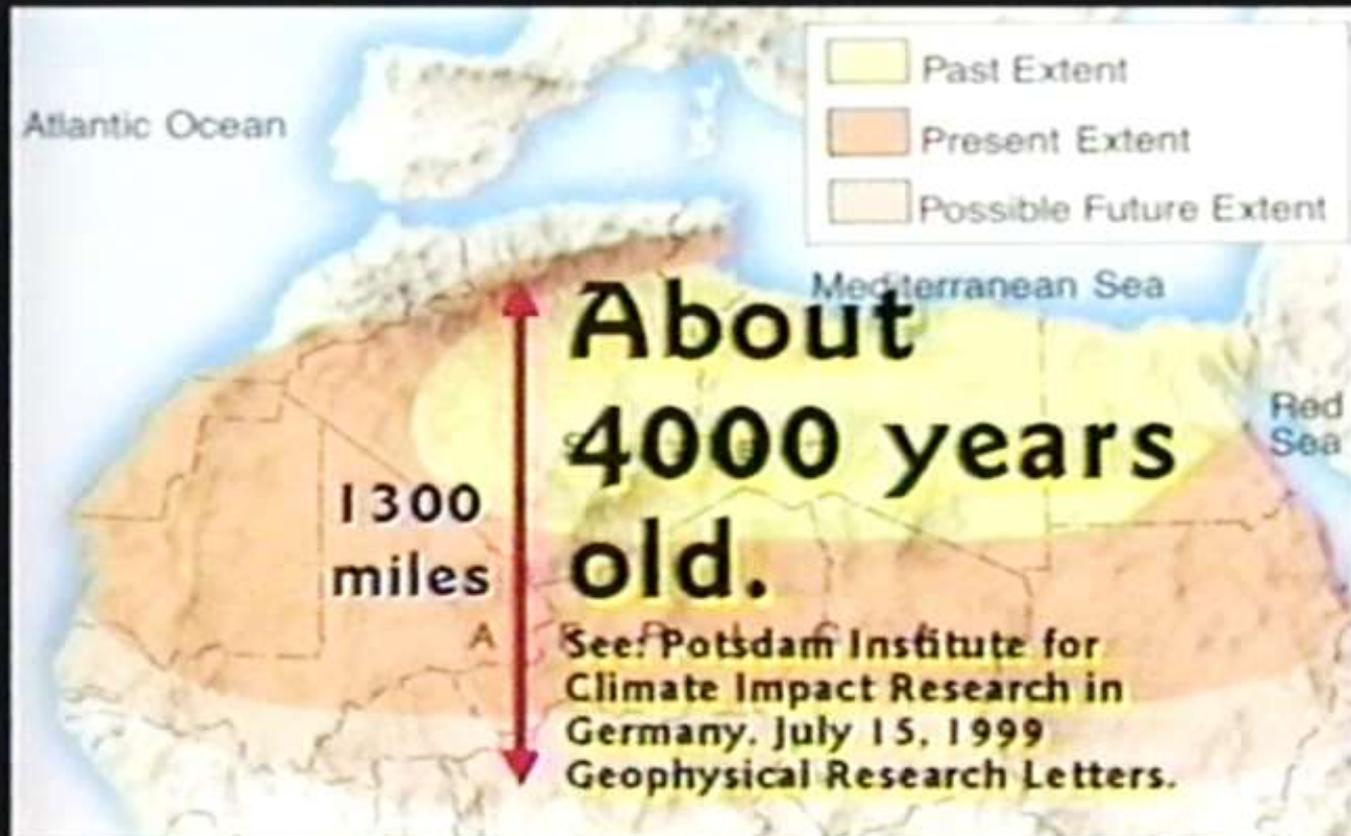
Helium in the Atmosphere •

# Sahara Desert



Satellite image

# Sahara Desert



HBJ Earth Science, 1989, p. 277

Why is our oldest desert no older than the Bible would suggest?  
Maybe because the Bible is right?!

# Oldest Tree?

10-18, 4300-year-old bristlecone pine, earth's oldest organism, has little active tissue.

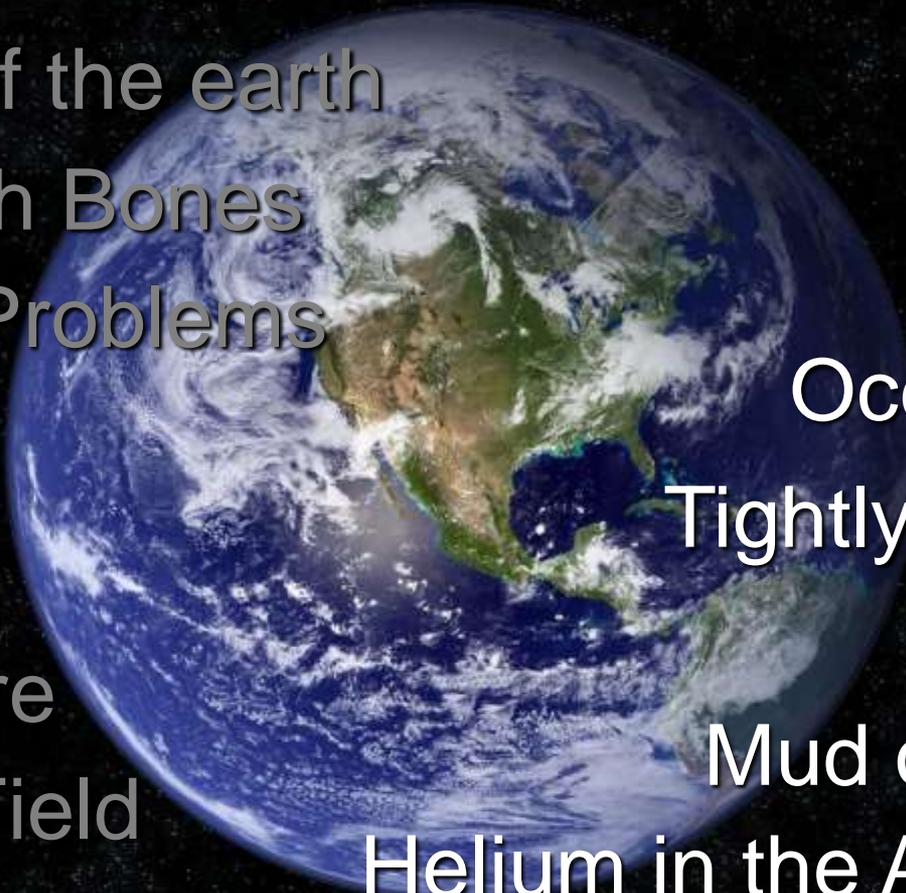


Allyn and Bacon Biology, 1977, p.180

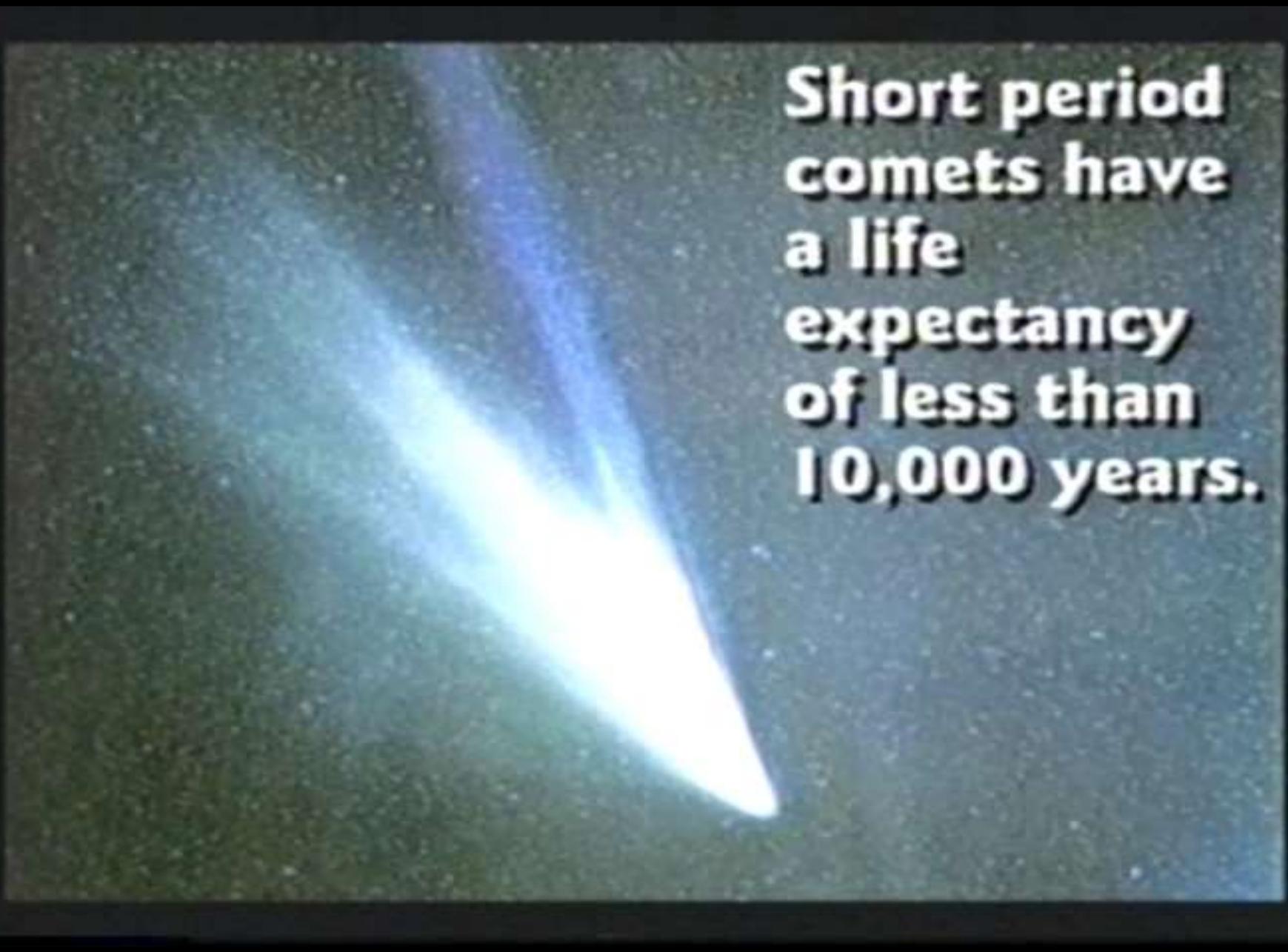
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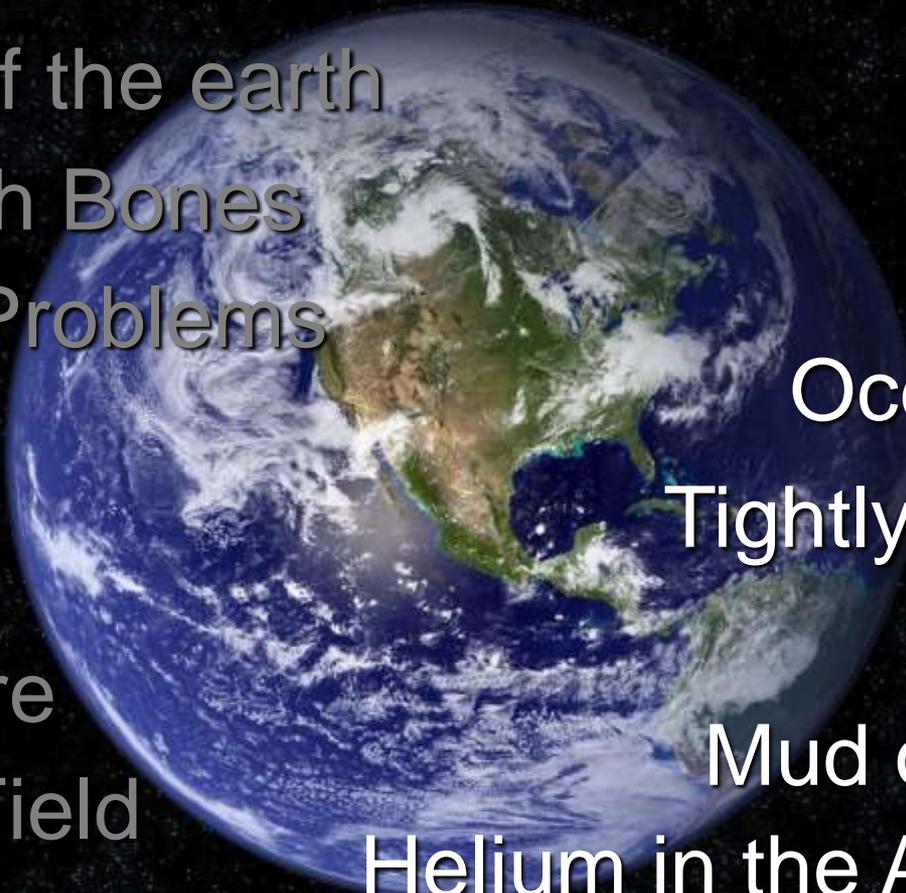
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A bright comet streaking across a dark, starry sky. The comet's tail is a vibrant blue, and its head is a brilliant white. The background is a deep black with numerous small, distant stars.

**Short period  
comets have  
a life  
expectancy  
of less than  
10,000 years.**

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Sahara •

Comets •

**Mountains •**

Ocean Salinity •

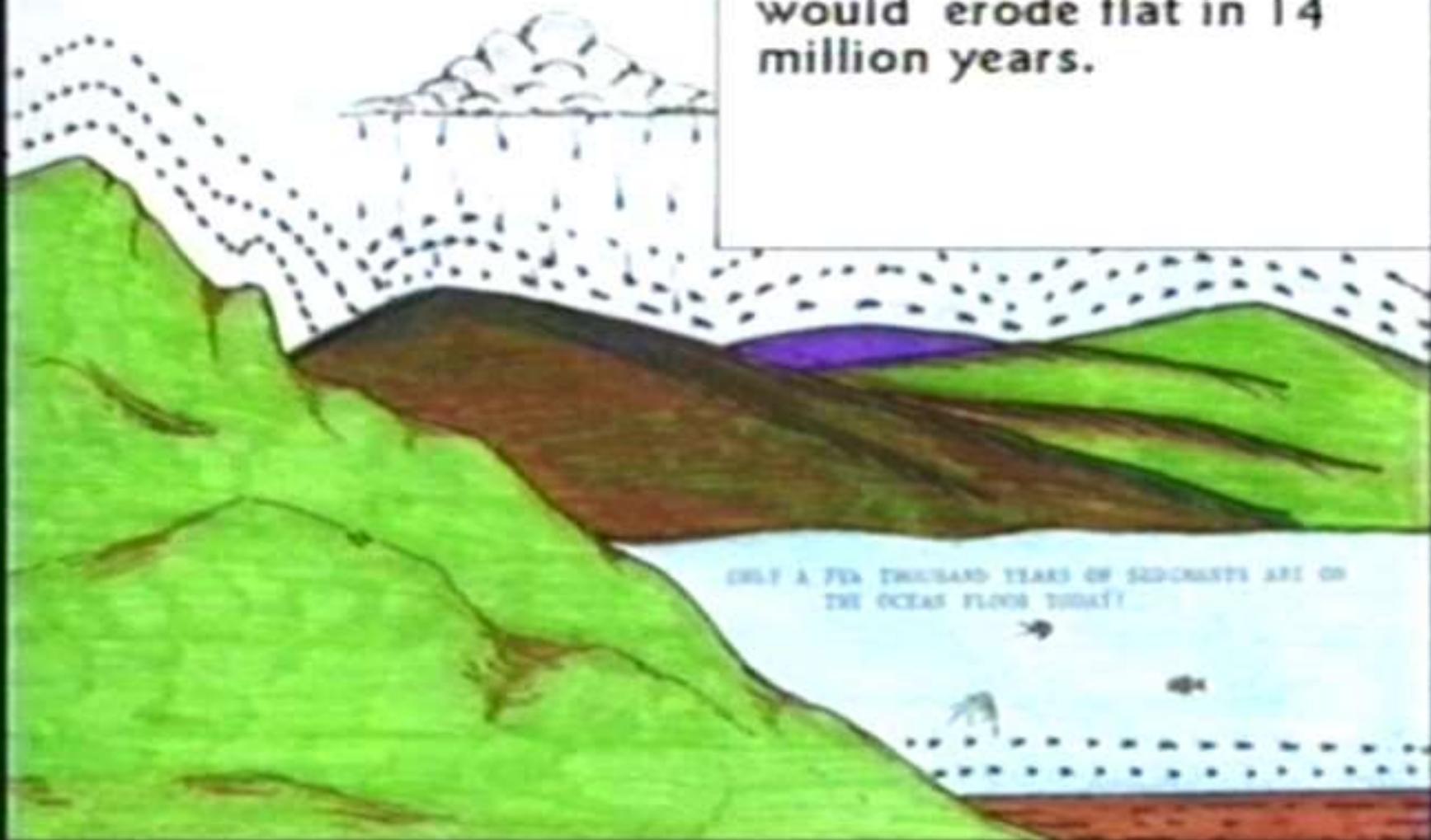
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Mud on sea floor •

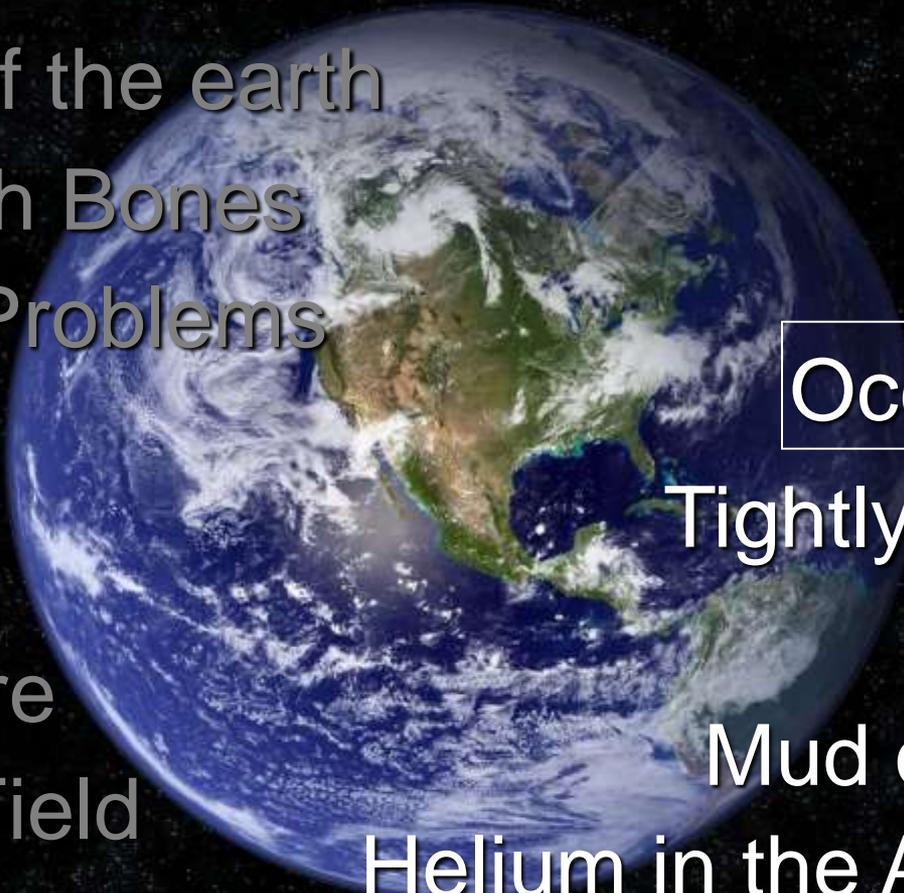
Helium in the Atmosphere •

At the current rate of erosion the continents would erode flat in 14 million years.



# Age of the Earth

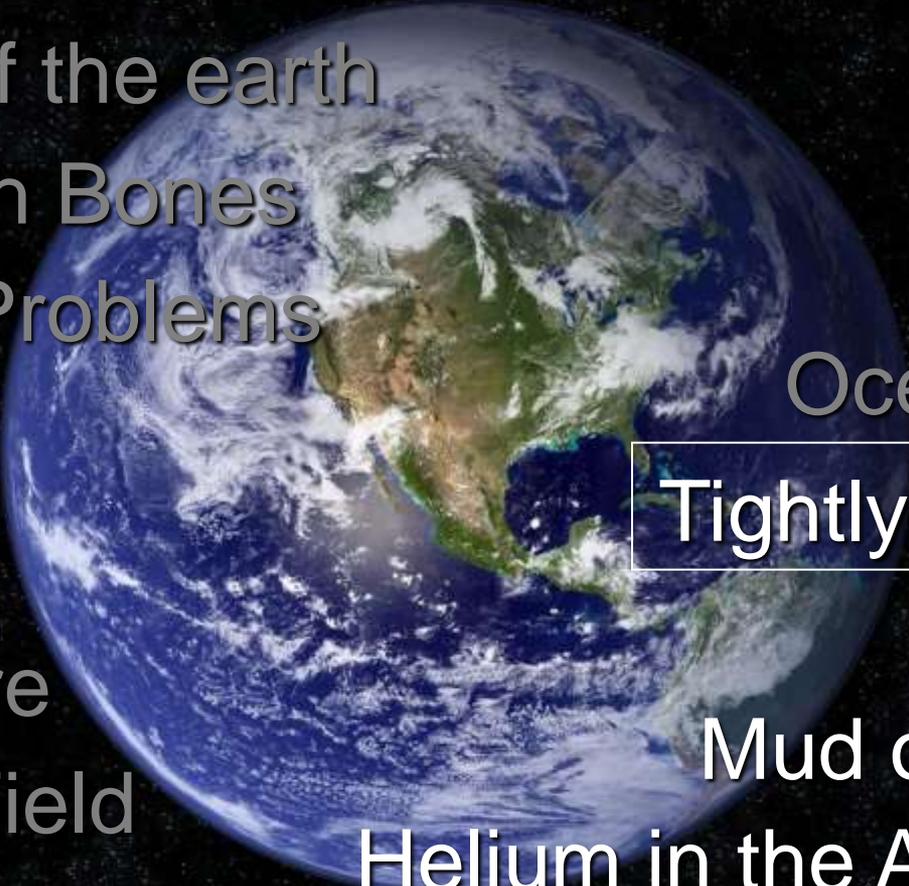
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**Burdett & Ginn Earth Science, 1987 p. 192**

**Scott, Foresman  
Earth Science,  
1990 p.103**





**Scott, Foresman *Earth Science*, 1990 p. 130**

# Age of the Earth

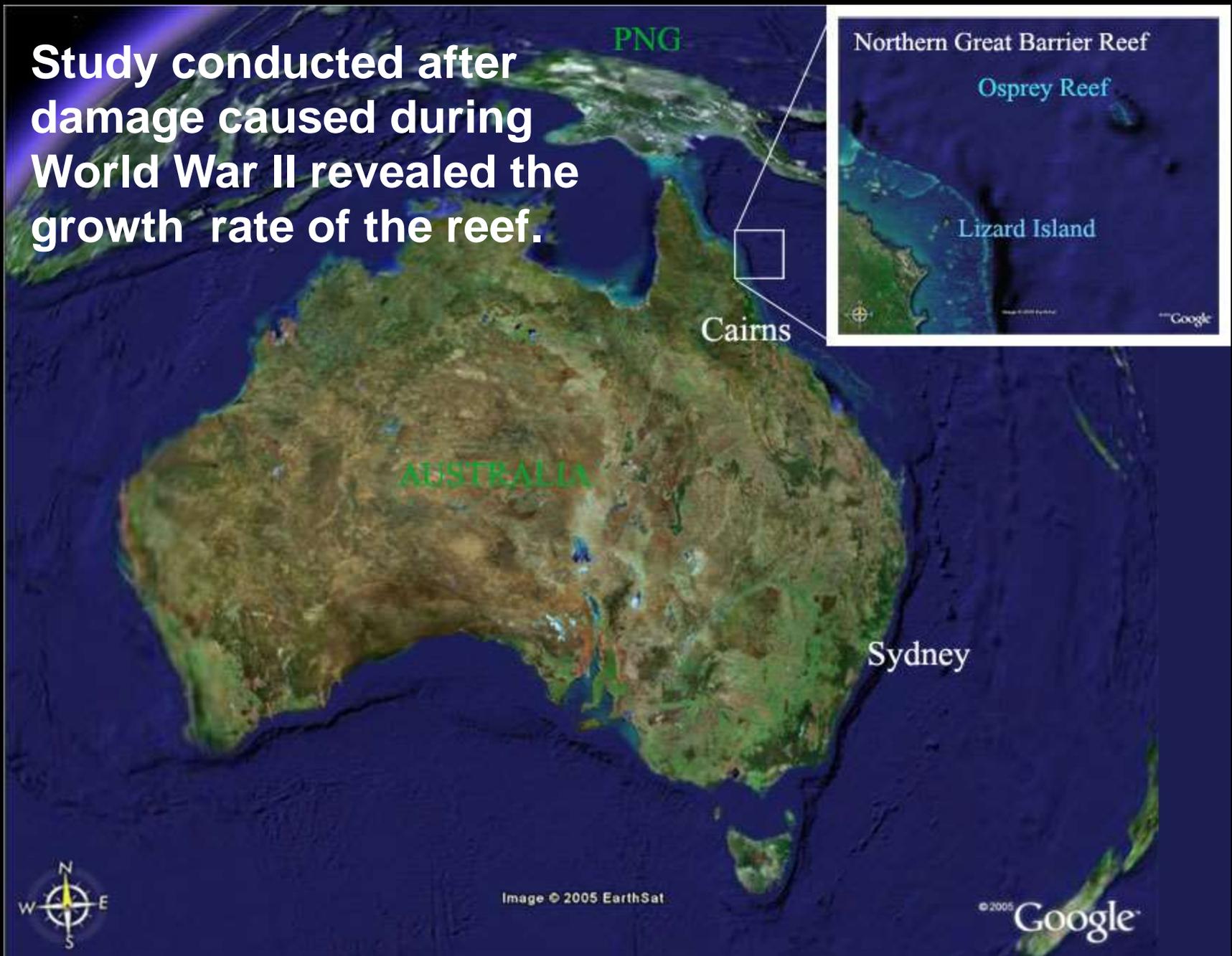
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# Coral Reef



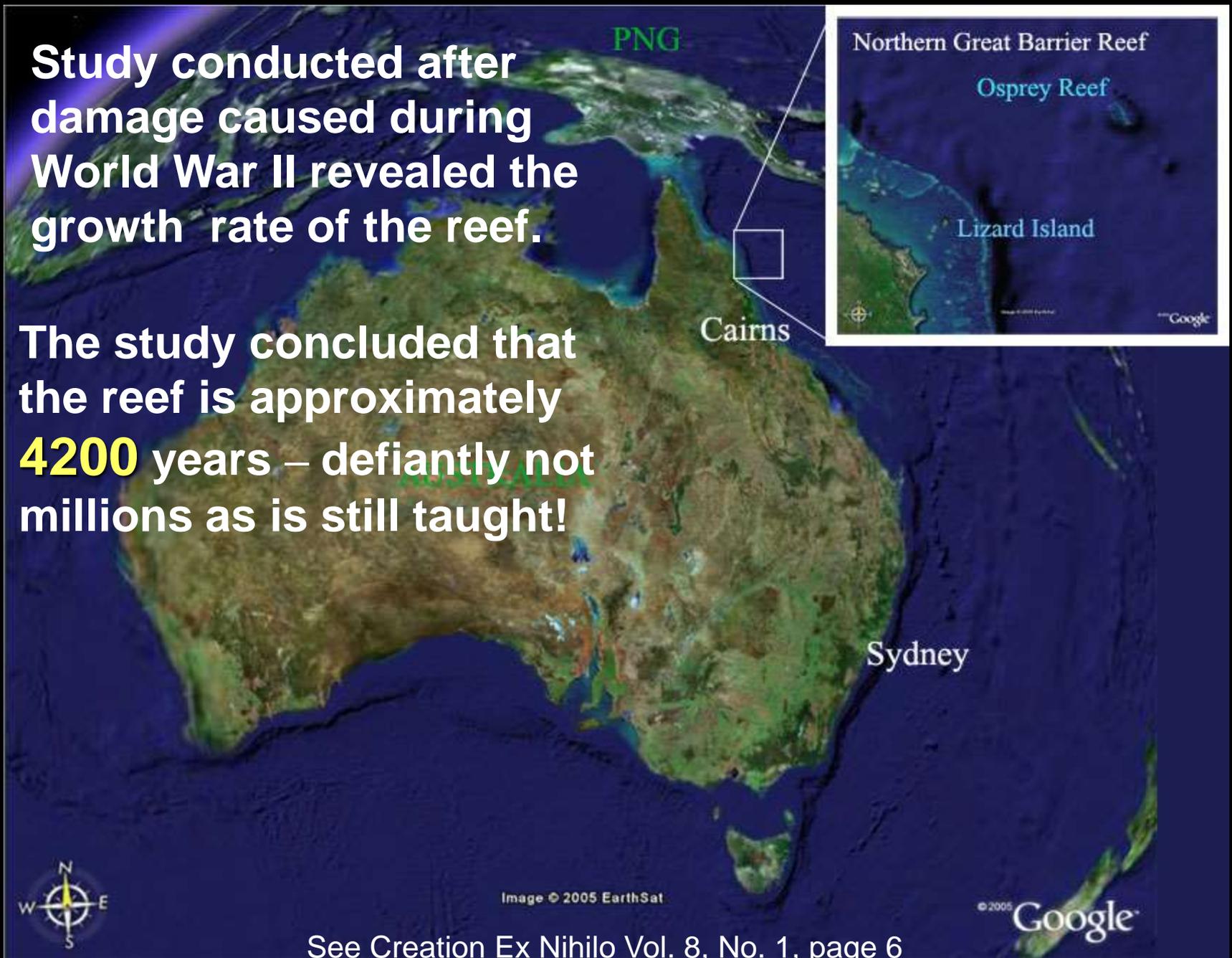
Just stop and look at this beauty – accident or design?

**Study conducted after damage caused during World War II revealed the growth rate of the reef.**



Study conducted after damage caused during World War II revealed the growth rate of the reef.

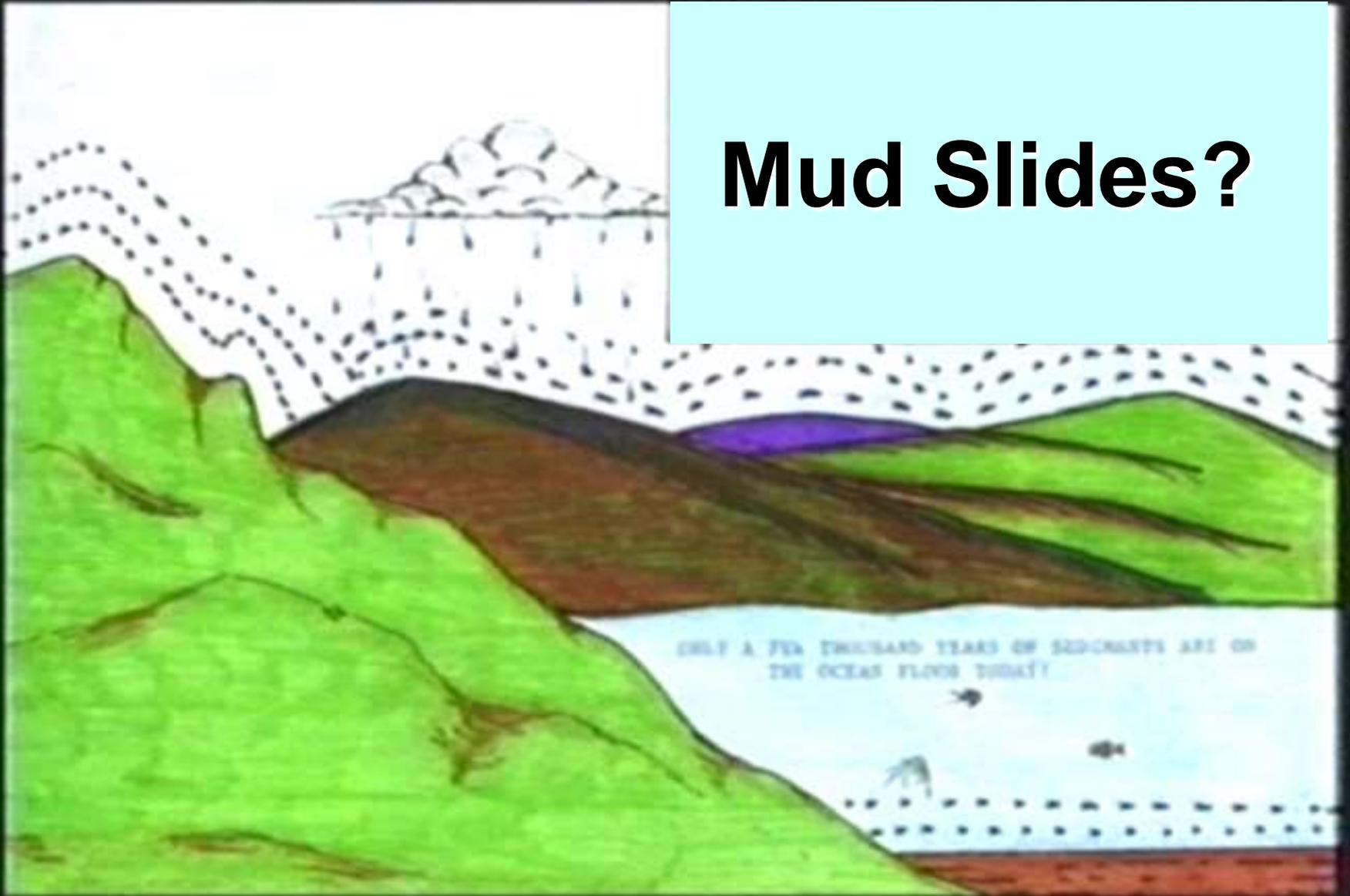
The study concluded that the reef is approximately **4200** years – defiantly not millions as is still taught!



# Age of the Earth

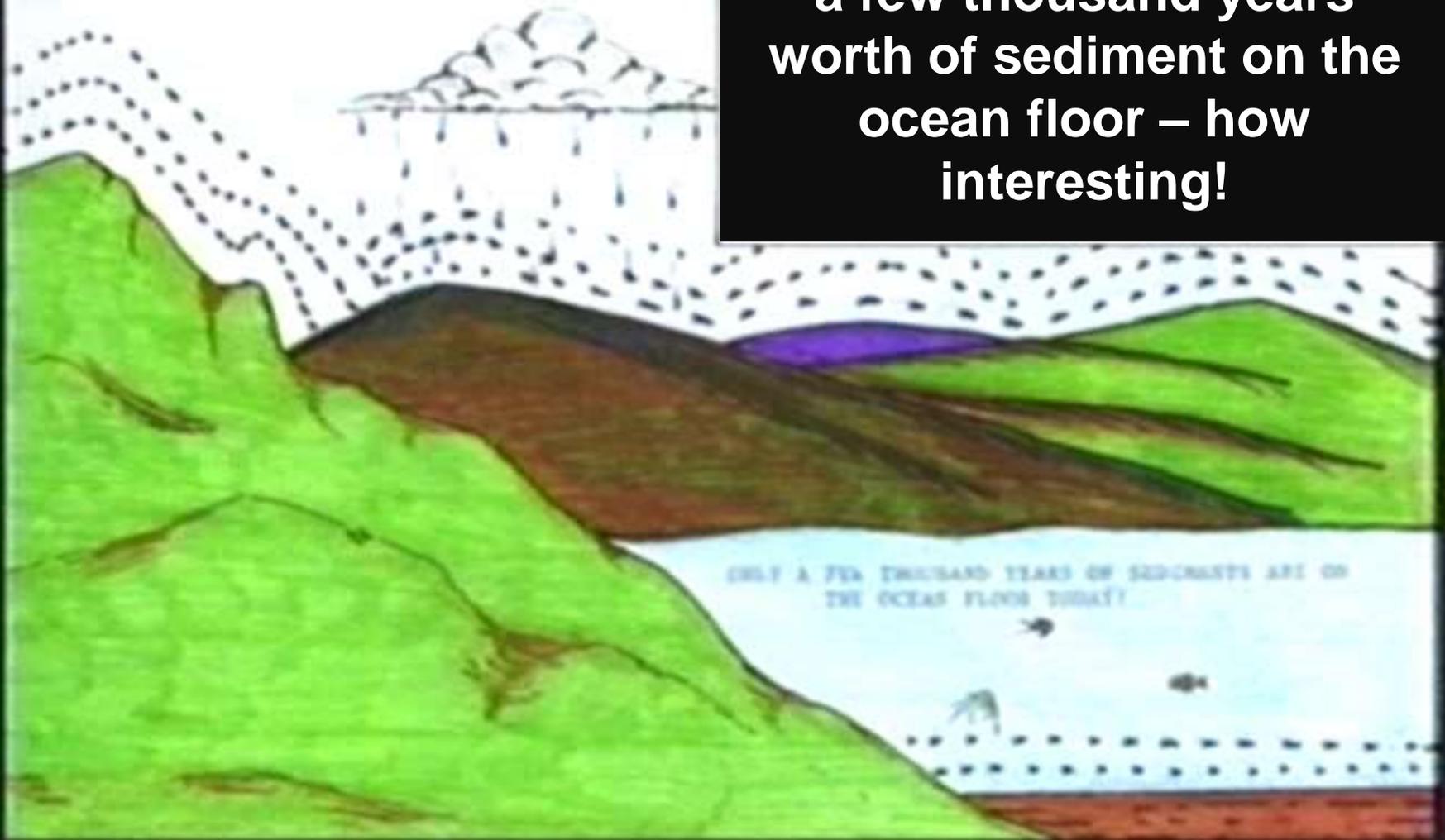
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# Mud Slides?

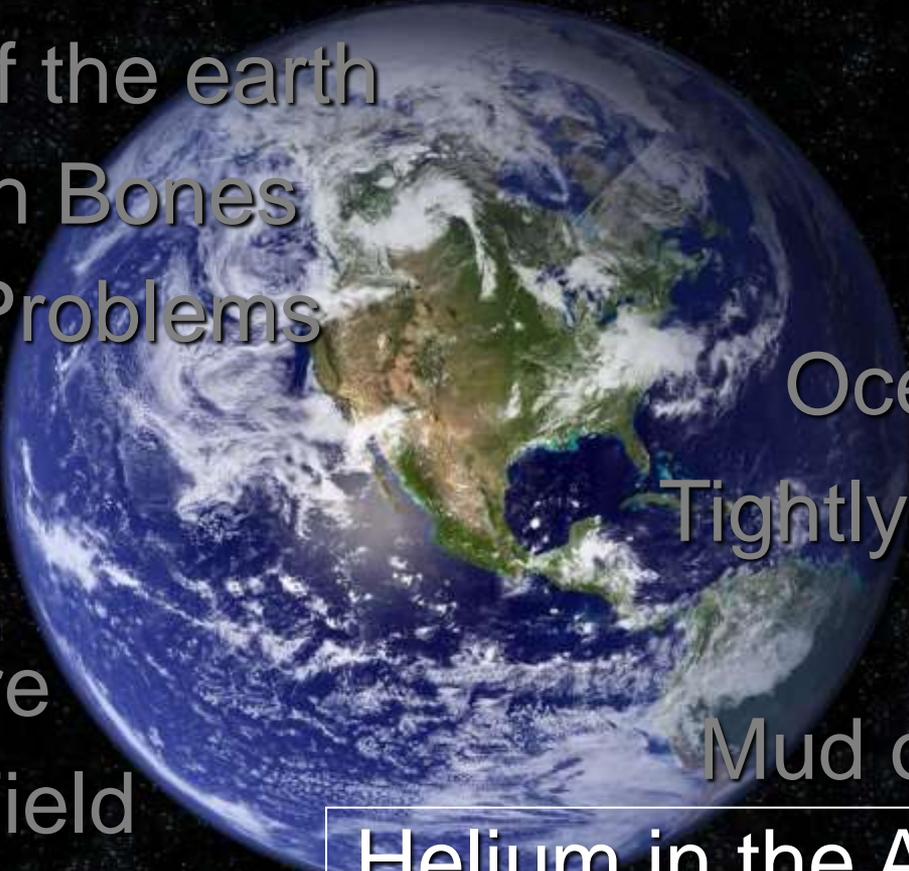


# Mud Slides?

Did you know there is only a few thousand years worth of sediment on the ocean floor – how interesting!

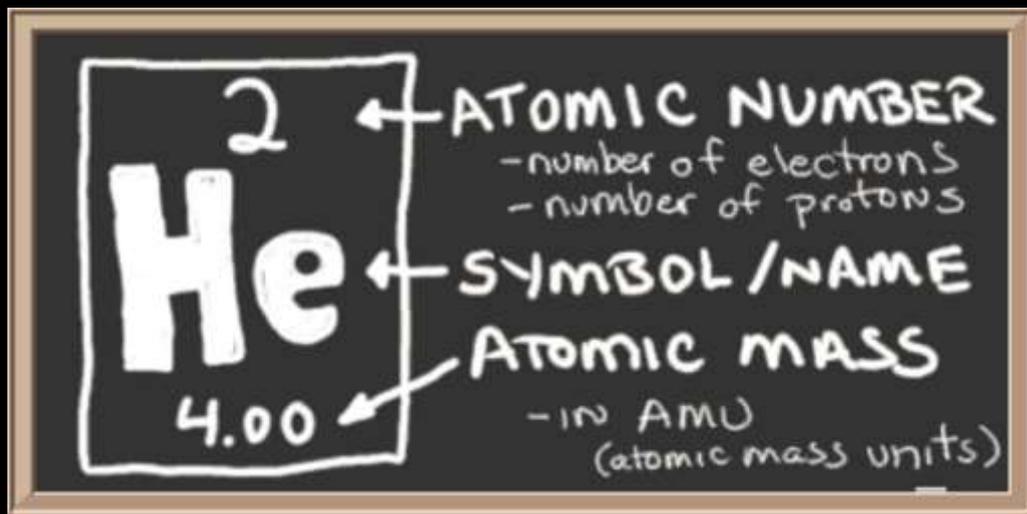


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# Helium

During the radioactive decay of uranium and thorium contained in rocks, lots of helium is produced. Because helium is the second lightest element and a noble gas—meaning it does not combine with other atoms—it readily diffuses (leaks) out and eventually escapes into the atmosphere. Helium diffuses so rapidly that all the helium should have leaked out in less than 100,000 years. So why are these rocks still full of helium atoms?





## Session Two

- The Gap Theory
- The Origin of Satan
- The Age of the Earth
- Light
- Evening & Morning



# Light

<sup>1</sup> In the beginning God created the heaven and the earth.

<sup>2</sup> And the earth was without form, and void; and darkness was upon the face of the deep. And the Spirit of God moved upon the face of the waters.

<sup>3</sup> And God said, Let there be light: and there was light.

<sup>4</sup> And God saw the light, that it was good: and God divided the light from the darkness.

**Genesis 1:1-4**

# Light

## Verse 3

And God said, Let there be light: and there was light.

rwa yhyw rwa yhy myhl a rmayw

‘owr

hayah

‘owr

hayah

Eloheim

amar

light

be

light

be

Eloheim  
(God)

Said

Genesis 1:3

*And God said, ‘Let light be light’*

*And God said, ‘Let The Light illuminate’*

# Light

- For the Light to now illuminate..
- It had to already exist

# Light

6 For God, who commanded the light to shine out of darkness, hath shined in our hearts, to give the light of the knowledge of the glory of God in the face of Jesus Christ.

2 Cor 4:6

- Light was therefore pre-existent

# Light

I form the light, and create darkness: I make peace,  
and create evil: I the LORD do all these things.

**Isaiah 45:7**

# Light

I form the light, and **create** darkness: I make peace,  
and create evil: I the LORD do all these things.

Isaiah 45:7

**anb** bara

(create out of nothing)

# Light

I **form** the light, and **create** darkness: I make peace,  
and create evil: I the LORD do all these things.

Isaiah 45:7

**יצר** yatsar

(mould into a form)

**KJV - earthen,  
fashion, form,  
frame, make, potter,  
purpose.**

**ברא** bara

(create out of nothing)

# The Light of the world

<sup>12</sup> Then spake Jesus again unto them, saying:

I am the light of the world: he that followeth me shall not walk in darkness, but shall have the light of life.

John 8:12

# The Light of the world

<sup>5</sup> This then is the message which we have heard of him, and declare unto you, that **God is light**, and in him is no darkness at all.

1 John 1:5

# The Light of the world

23 And the city had no need of the sun, neither of the moon, to shine in it: for the glory of God did lighten it, and the Lamb is the light thereof.

**Revelation 21:23**

# The Light of the world

- Light was pre-existent in the person of Jesus Christ
- God commanded the Light to shine
- The Light simply then illuminated
- Jesus Christ – the pre-existent One – who is the Light, created all things

# Symmetry of Design

- Each particle has an antiparticle

particle + antiparticle  annihilation + photon

- Physicists suggest this is a reversible reaction
- The implication...
- Light could have created matter!



## Session Two

- The Gap Theory
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# Evening & Morning?

And God called the light Day, and the darkness he called Night. And the evening and the morning were the first day.

Genesis 1:5

BRx Erev

RqB Boker

Neither of these  
are recorded on  
the 7<sup>th</sup> day

## ערב *Erev*

- Obscuration, mixture; (increasing entropy); When encroaching darkness began to deny the ability to discern forms, shapes, and identities; hence:

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- Sunset; marking the duration of impurity: when a ceremonially unclean person became clean again **Lev 15**

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- Sunset; marking the duration of impurity: when a ceremonially unclean person became clean again Lev 15
- The beginning of the Hebrew day

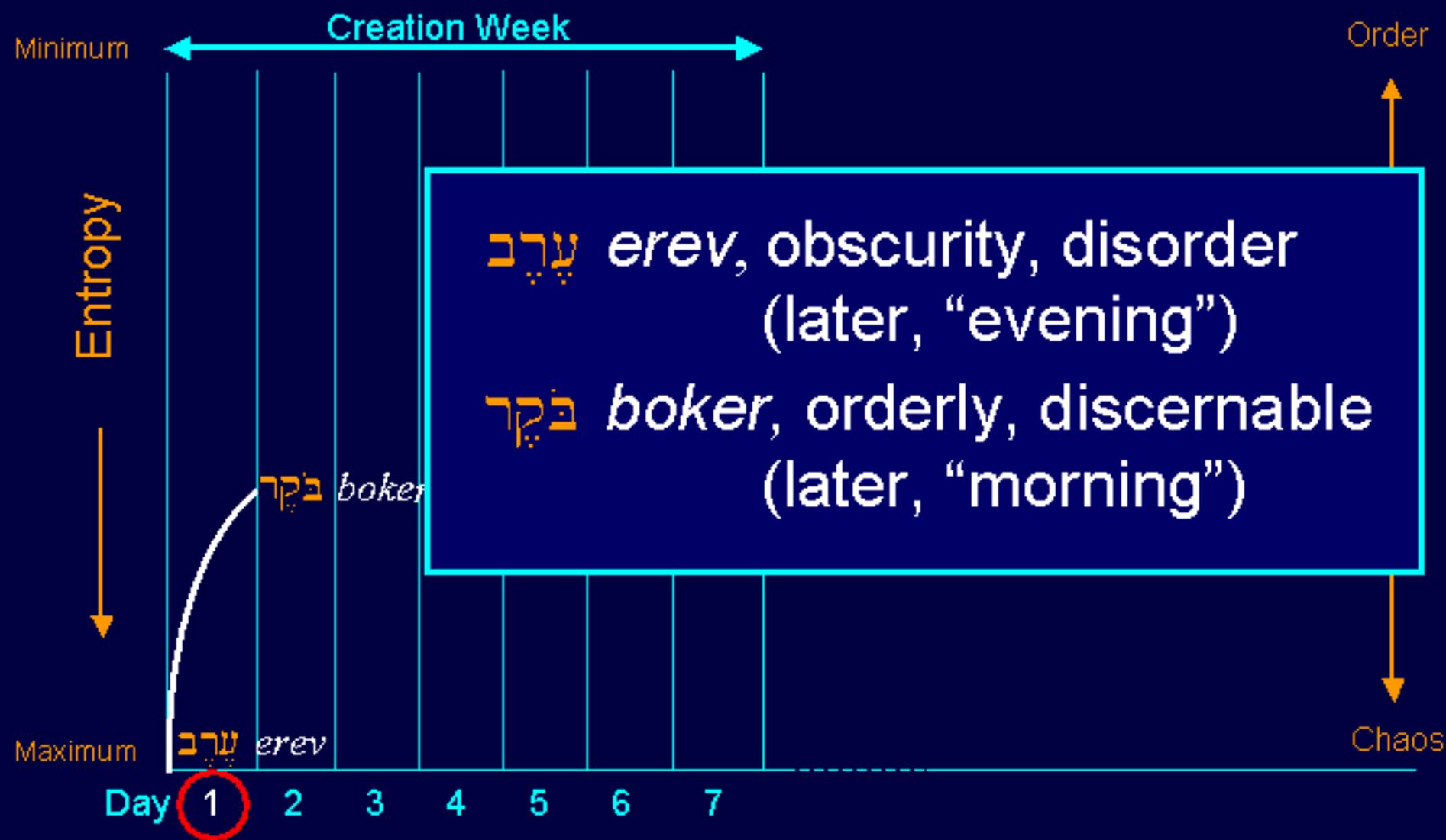
## בִּקֵּר *Boker*

- Becoming discernable, distinguishable, visible; perception of order; relief of obscurity; (decreasing entropy); attendant ability to begin to discern forms, shapes, and distinct identities; breaking forth of light; revealing; hence:

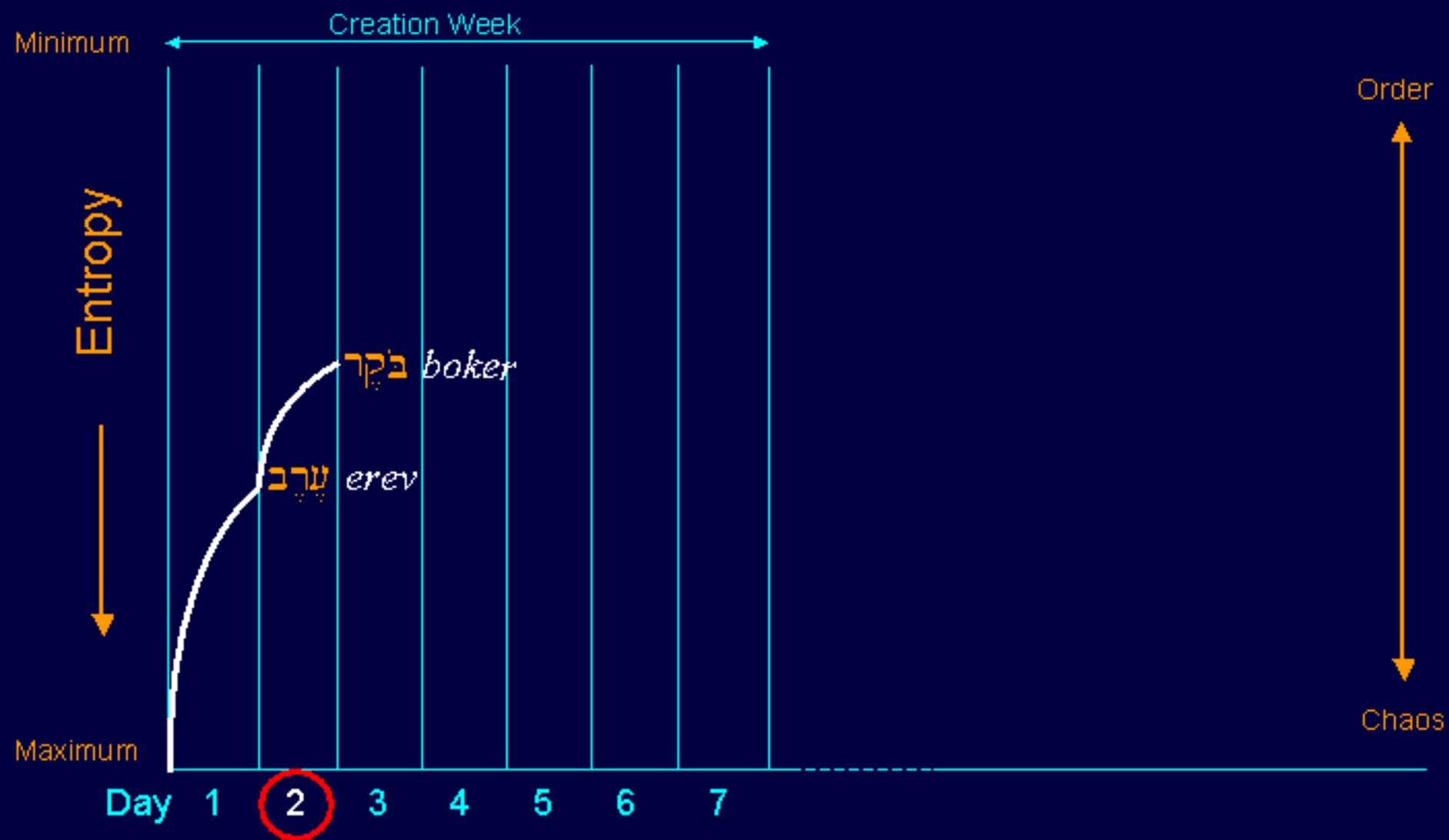
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- Dawn; morning Gen 19:27; Kgs 19:9

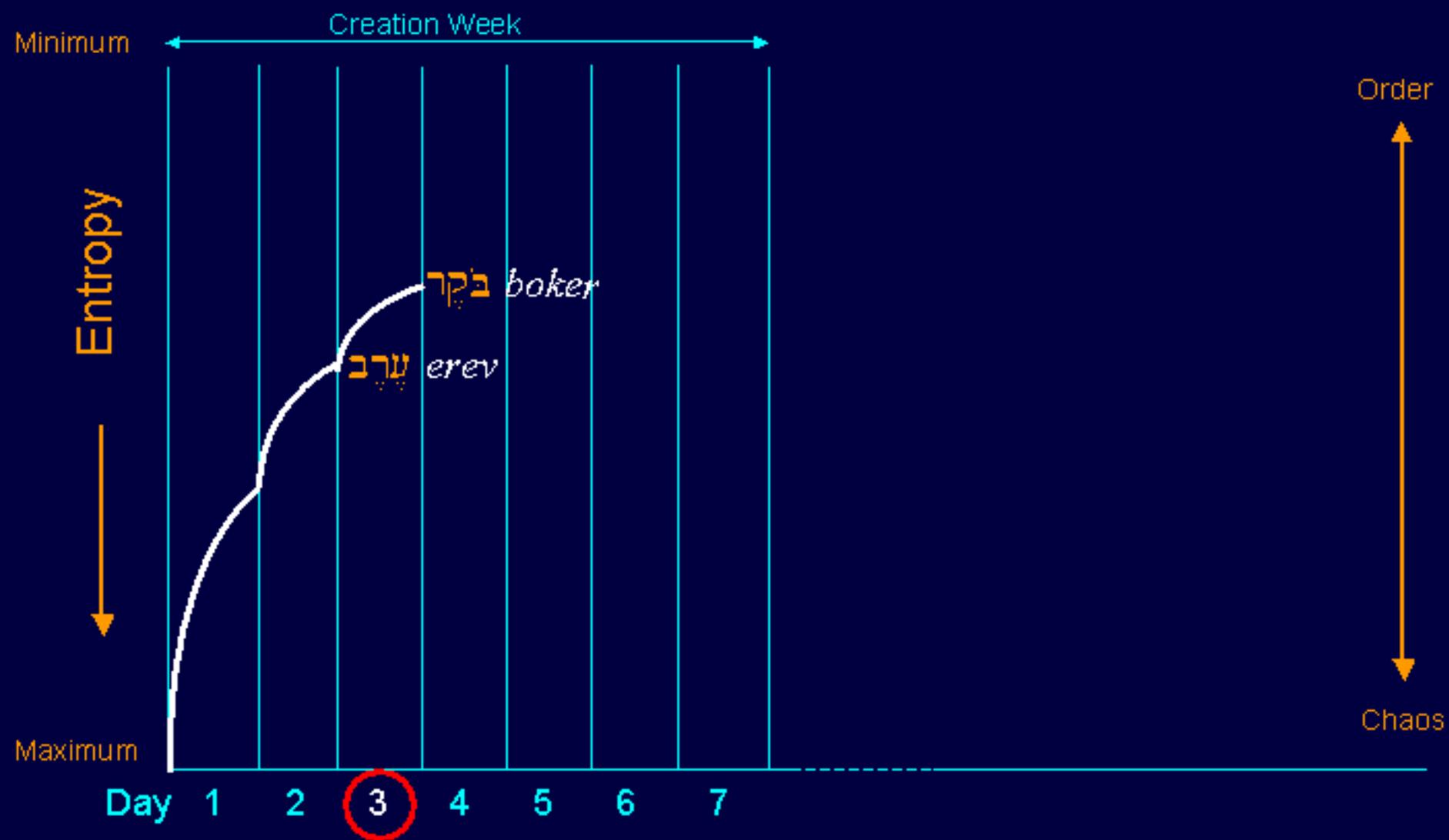
# Entropy Profile of the Universe



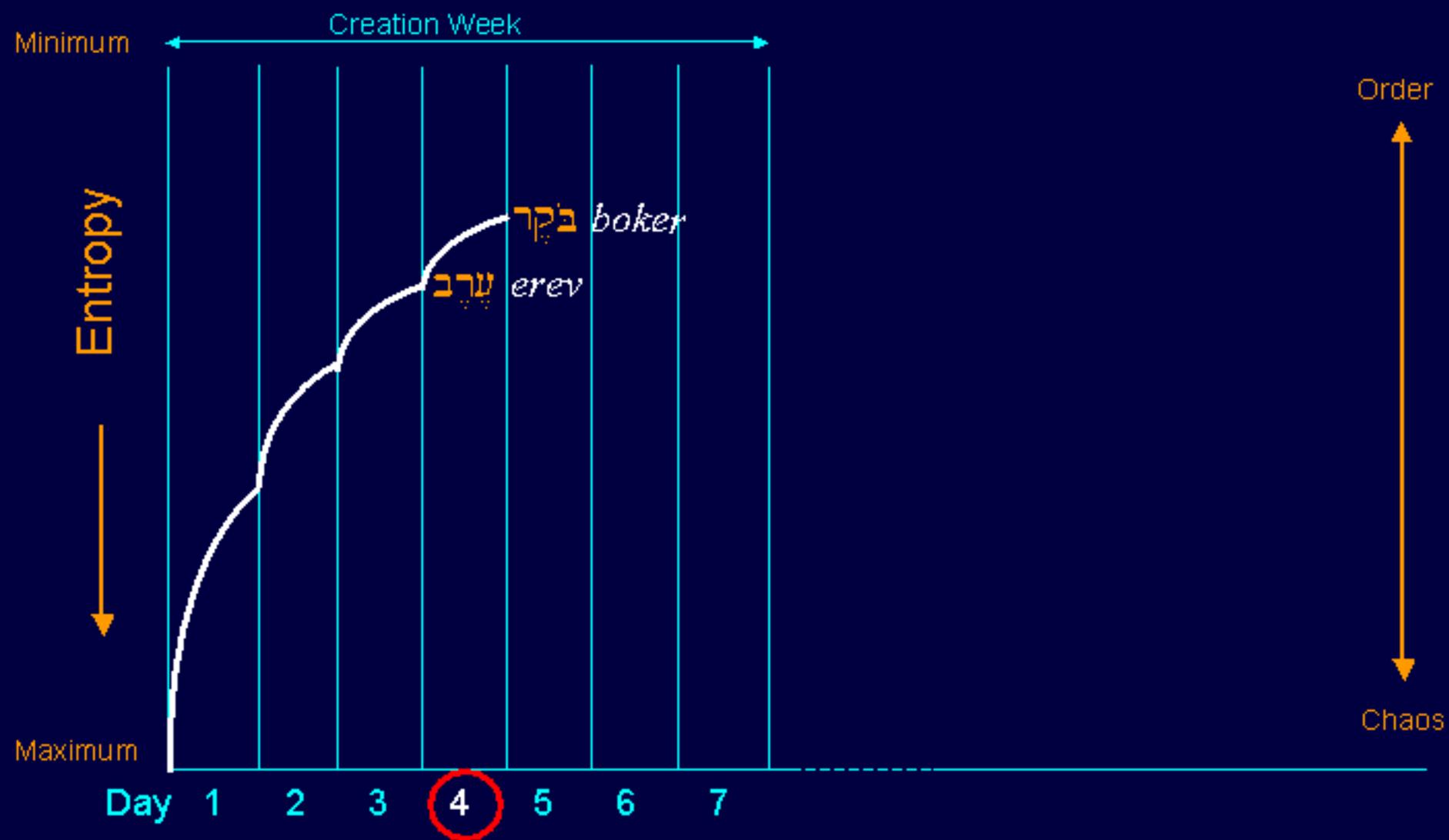
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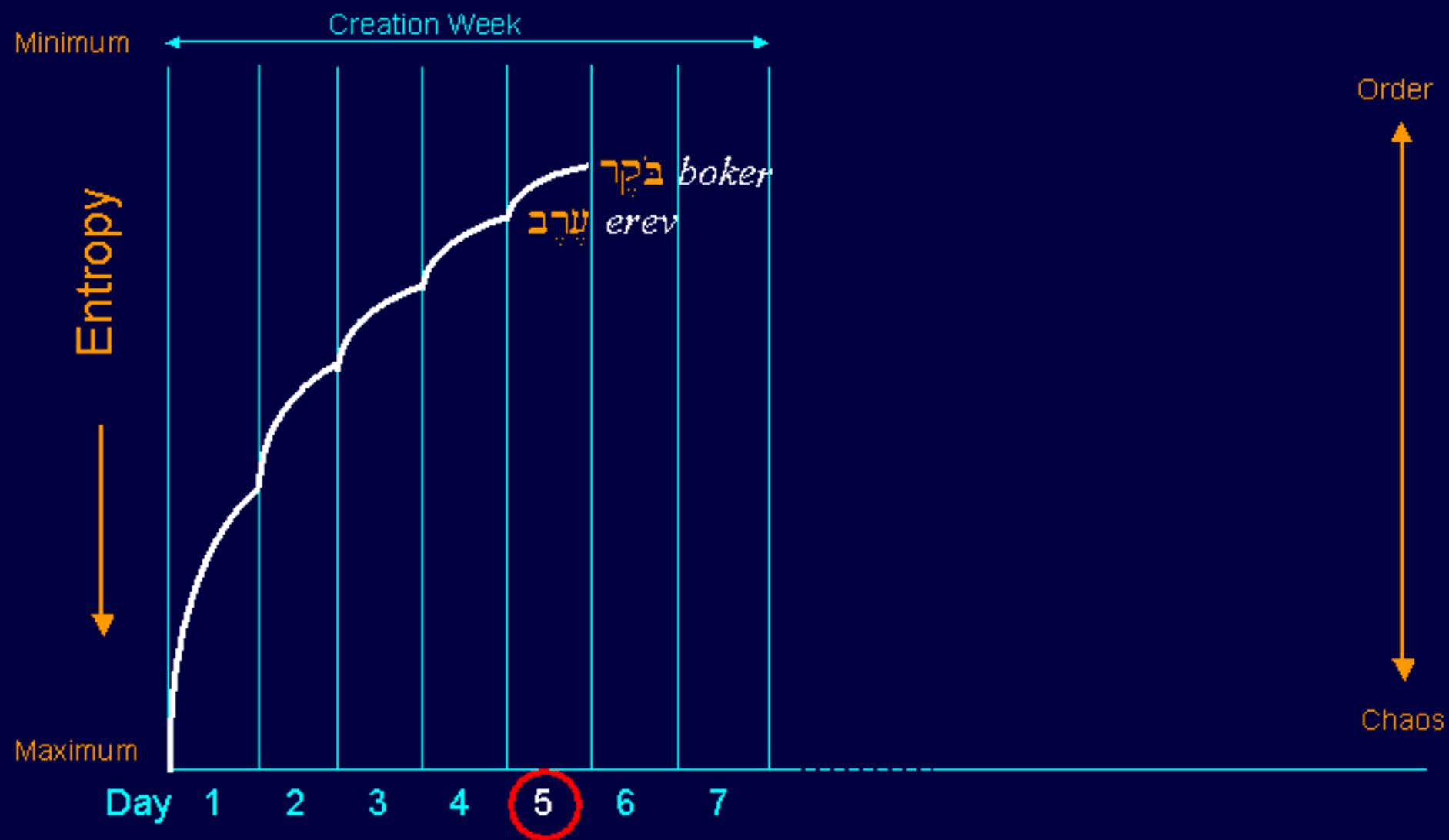
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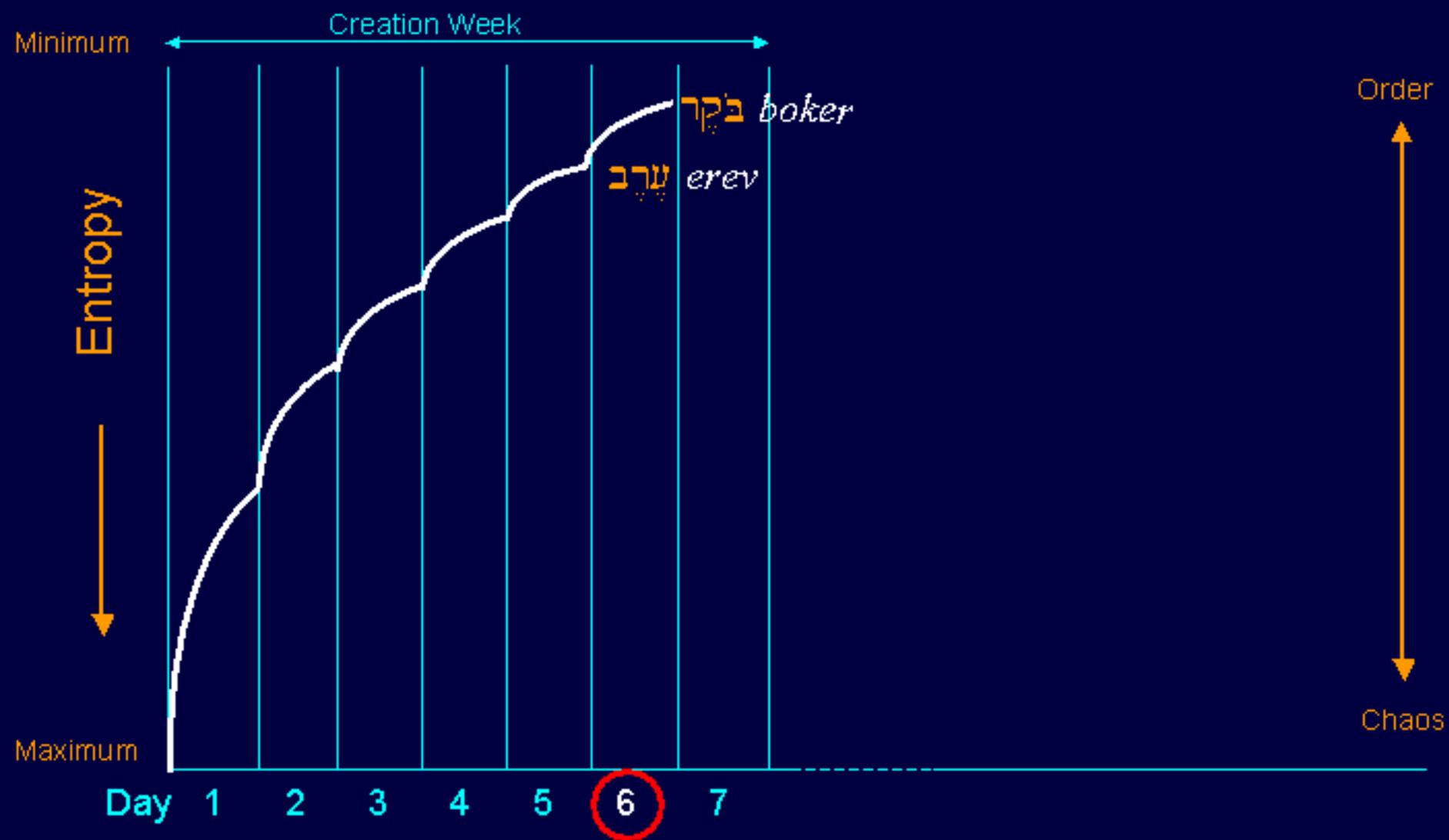
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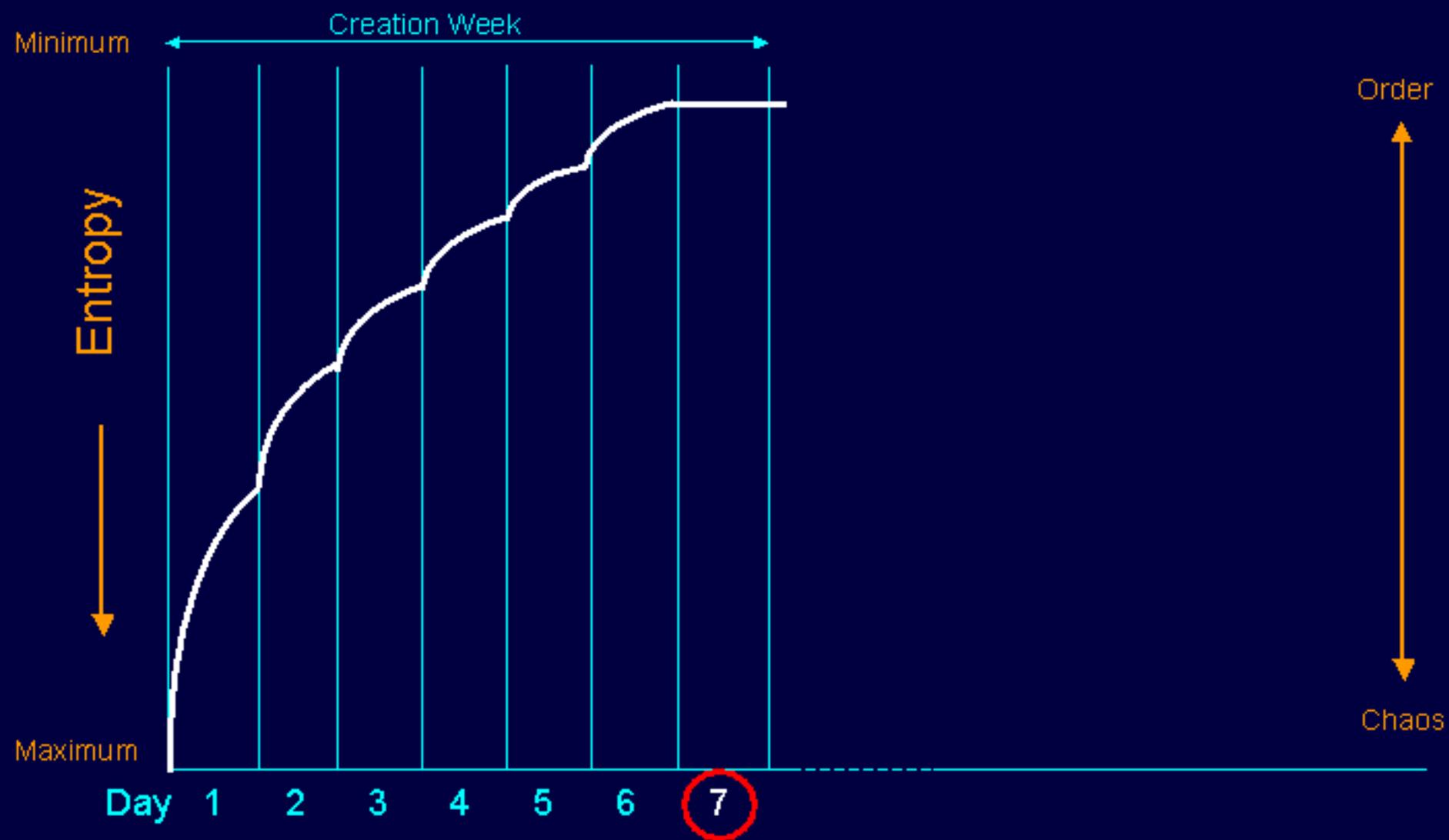
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# Entropy Profile of the Universe





# *The Book of Genesis*

*In the beginning...*  
מֵהֶלֶק אֵרָב תִּיבָרֵב