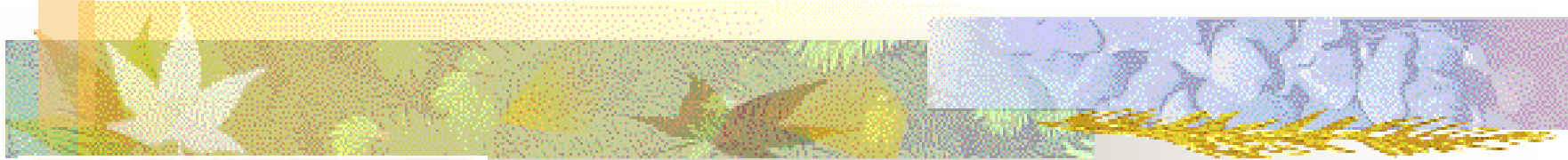
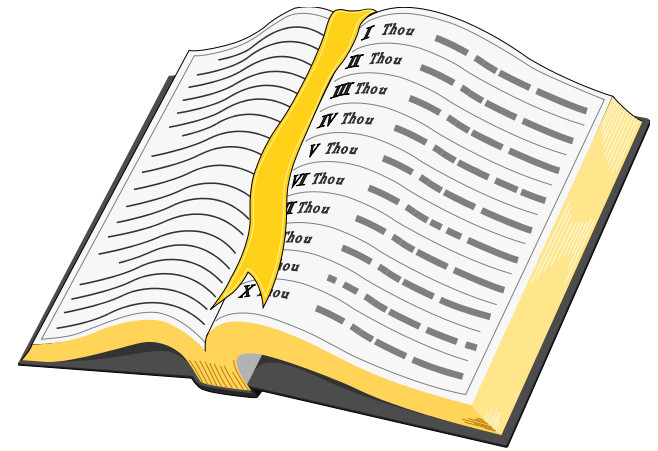


Missions: The Bible And Science

Dr. Heinz Lycklama

heinz@osta.com

www.osta.com/messages



Frog + time (instantaneous) -> Prince = Fairy Tale
Frog + time (300 million yrs.) -> Prince = Science
Dr. Gish, ICR

“What I see convinces me God exists.
What I cannot see, confirms it.”

Albert Einstein



Missions: The Bible And Science

- Some Common Misconceptions
- Conflict Between Worldviews
- Our Thought Systems
- What is Science?
- Origins Models & Belief Systems
- Looking at the Scientific Evidence
- Biblical Reliability On Science
- Founders of Scientific Disciplines
- In Conclusion

Some Common Misconceptions

- Skeptics and unbelievers think:

“The Bible is an antiquated religious book, filled with scientific fallacies and mistakes reflecting the naïve cosmology of the primitive tribes of the Near East.”

Evolution is Science



- Even some professing Christians think:

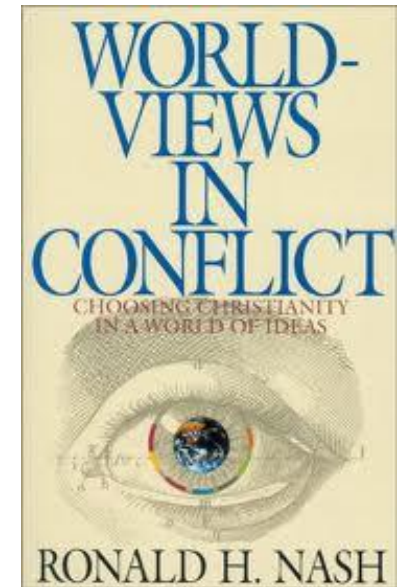
“The Bible is a book of true religion dealing solely with spiritual subjects and that, where it seems to touch on matters of science and history, it must be interpreted spiritually or allegorically, rather than literally.

Creation is Religion



Conflict Between Worldviews

- Conflict between two worldviews
 - Not between Science and Religion
 - Between Naturalism and Supernaturalism
 - God & science are not alternative explanations for reality
 - Christianity has intellectual power
- Science is a weapon in a larger cultural war
- The question – is Christianity true?
 - Not – is it helpful?
 - Does science fit into this?
 - Does “what you believe to be true” match reality?



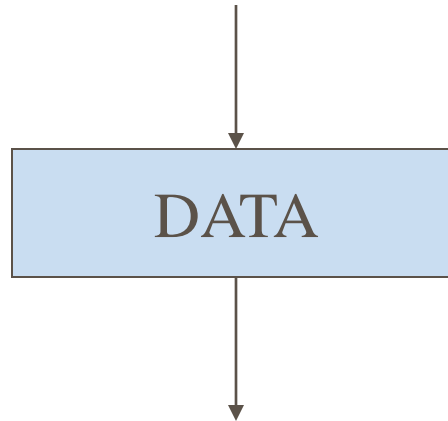


The Arguments

- Separate because: [Materialist View]
 - Science is based on evidence
 - Faith where there is no evidence
 - Rational vs. irrational
 - Science deals with reality; Faith everything else
- Not separate because: [Christian View]
 - God created the universe & the laws of nature
 - Laws of nature make science possible
 - Science and Faith/Christianity are complementary
 - Science flourished because of Christianity

Our Thought Systems

Assumptions (held by faith)



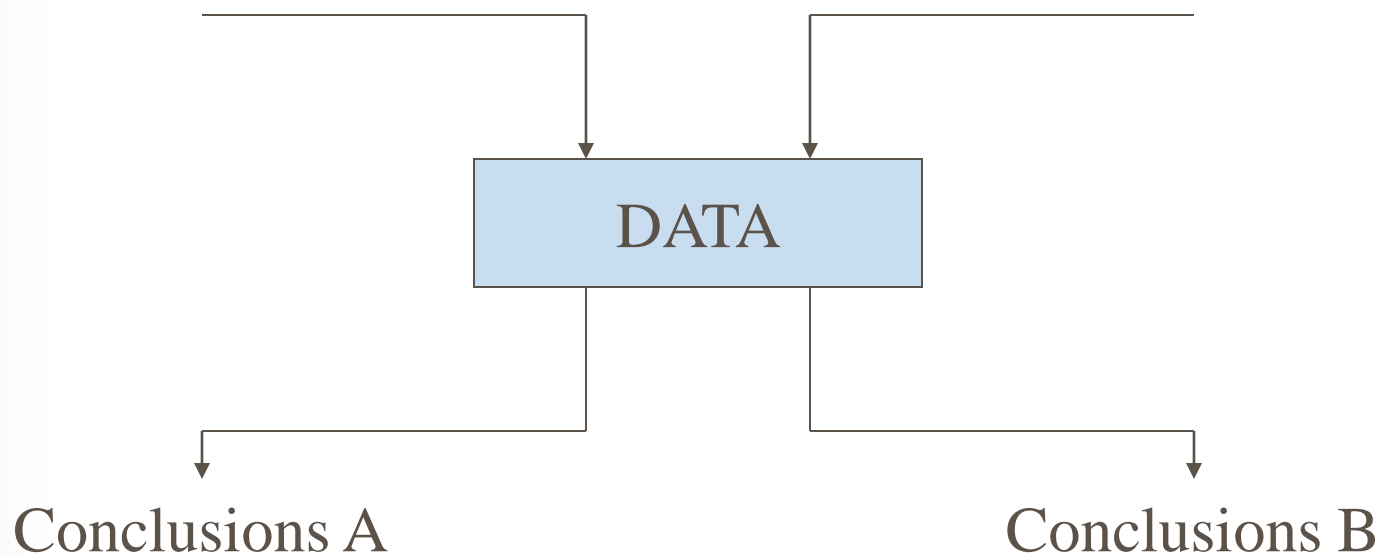
Conclusions

Logical thought is the means by which we draw conclusions from the facts/data after starting with certain assumptions.

Applying This Thinking To The Creation/Evolution Controversy

Assumptions A

Assumptions B



The Impact of Assumptions

Creator Can Act

No Creator Allowed

GODISNOWHERE

GOD IS NOW HERE

GOD IS NOWHERE



Two Thought Systems

■ Creator Acted

- Supernatural origins
- Purpose/design
- Miracle
- Event
- Creation

■ Creator Didn't Act

- Naturalistic origins
- Random chance
- Properties of matter
- Natural process
- Evolution

What Is Science?

- “Science is the search for truth”
- “Operational” Science
 - Postulate theory -> make observations -> prove/falsify theory
 - Using the Scientific Method
- “Origins” Science
 - Were you there at the beginning?
 - Model of Creation
 - Model of Evolution
 - Which model fits the observed facts best?
 - “Forensic” science



For by Him (Jesus) were all things created, that are in heaven, and that are in earth. Colossians 1:16a



Dealing With Origins Science

- “Science is the search for truth”
- Fact, law, theory, hypothesis, or model?
 - Fact – proven to be true
 - Law – no known exception
 - Theory – testable, falsifiable, based on empirical findings
 - Hypothesis – provisionally explains some facts
 - Model – simplified representation of reality
- Which is Evolution? Creation?
 - A Model – let’s see why ...



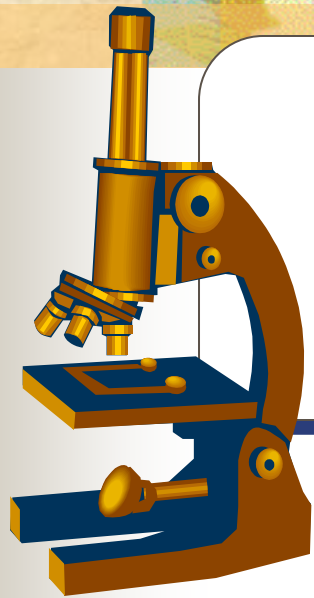
Origins Can't Be Tested or Proved

- Creation cannot be “proved”
 - Not taking place now (completed)
 - Not accessible to use of scientific method
 - Can't devise experiment to describe Creation process
- Evolution cannot be “proved”
 - If it is taking place, operates too slowly to measure
 - Transmutation would take millions of years
 - The scientific method cannot be used to measure it
 - Small variations in organisms (observed today) are not relevant
 - Can't be used to distinguish between Creation & Evolution



Scientific “Proofs” of Origin

- What we can test scientifically
 - Observable/repeatable processes
 - Trends/tendencies in nature
 - Processes/events that left evidence
- What we cannot test scientifically
 - Identity/motivation of who/whatever brought the universe and life into existence
 - Historical events
 - Morality
 - Meaning



**Present +
Repeatable +
Observable =
SCIENCE**

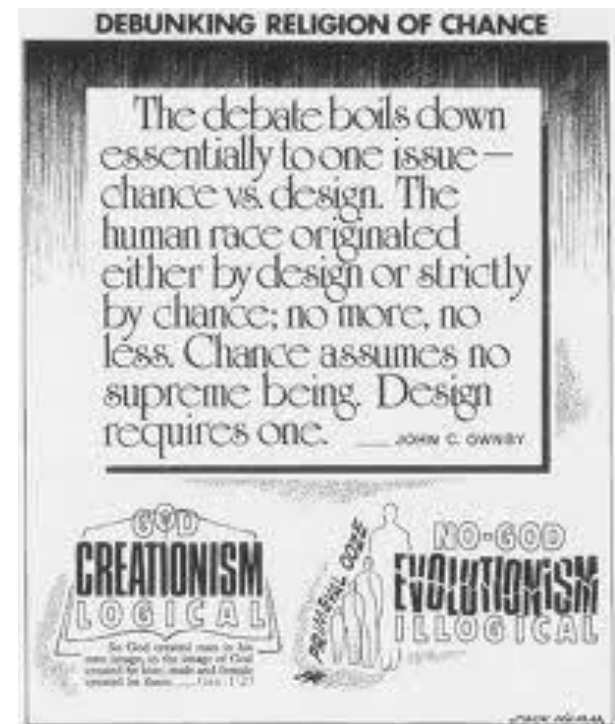
**Past +
Non-Repeatable +
Eyewitness Account =
HISTORY**



**Past +
Non-Repeatable +
No Eyewitnesses =
BELIEF**

Origins Models & Belief Systems

- **Naturalism**(Materialism) -> (Macro)**Evolution Model**
 - Laws of nature can account for the origin of the universe and life on earth without the need for a Creator
- **Supernaturalism** -> **Creation Model**
 - An intelligent being (God) created the universe & life on earth out of nothing
- Variations of “Creation” model
 - Theistic Evolution
 - God could have used Evolution
 - Progressive Creation
 - God intervened with new creations (e.g. man) over time
 - Day-Age Theory
 - Gap Theory





Model of Creation (Assumptions)

- The Bible is the inerrant Word of God
- God is Creator
 - Six days of Creation – **Gen. 1:1 – 2:3; Ex. 20:11**
 - Creatures created/reproduce after their kind – **Gen. 1** (10 x)
- Man is created
 - In God's image – **Gen. 1:26-27**
- Creation is dependent on God
- Man is fallen and dependent on God
- Creation and Science must be coherent and consistent
 - God reveals Himself in Scripture (Special Revelation)
 - God reveals Himself in nature (General Revelation)
- Jesus and NT authors refer to **Gen. 1-11** as history

Model of Evolution (Assumptions)



Evolutionary Theory in a Nutshell

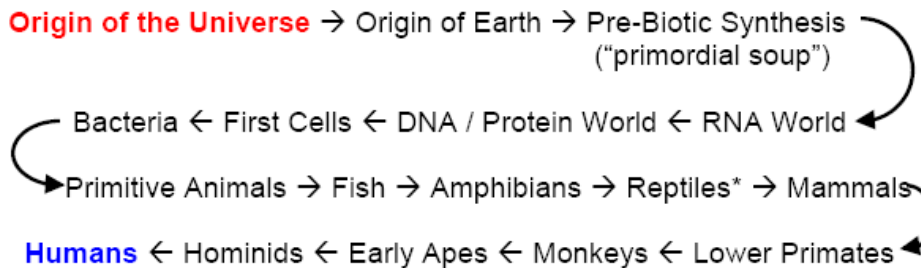
How Evolution Works:

1. Random chance mutations cause changes, or variation, in a population of organisms.
2. These different organisms then compete to survive and reproduce.
3. Those which are best able to survive and reproduce do so, and tend to leave the most offspring.
This is called "natural selection."
4. Over time, if some organisms survive and reproduce more than others, a species will "evolve."

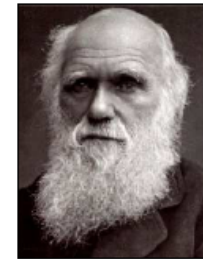
Evolution claims:

- All organisms are related through "common ancestry."
- All organisms arose through the process of mutation and natural selection.
- All organisms arose and persist because of the random chance processes of nature.

The story of evolution:



*Evolutionary theory says some reptiles also turned into birds.



The British naturalist, Charles Darwin, first proposed his theory of evolution in 1859 in *The Origin of Species*. (Picture from <http://www.eeb.lsa.umich.edu/images/darwin.jpg>)

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Which Model Best Fits The Facts?

- **Creation** and **Evolution** are the only two models of origins
- Both models should be considered as equal alternatives and evaluated objectively in terms of their relative abilities to correlate and explain scientific data
- **The model that incorporates the most data and has the smallest number of unresolved issues is the most likely to be true**



Looking at the Scientific Evidence

1. Origin of matter, energy and natural law
2. **Classification of biological organisms**
3. Mutations and natural selection
4. **Origin of man**
5. **Origin of life (probability)**
6. The fossil record
7. Origin of the solar system and planets
8. Teleology – evidence for design



2. Classification of Biological Organisms

- The evolution model predicts:
 - A continuum of all forms of life
 - No classification system would work
- The creation model predicts:
 - An array of clear, but distinct organisms
 - Similar structures for similar functions, e.g. eyes
 - Different structures for different functions, e.g. gills for fish, lungs for man
 - Science of taxonomy
 - Distinct kinds/species



The Science of Taxonomy

- The science of taxonomy is a problem for evolution
- The classification system introduced by **Carolus Linnaeus** applies to plants/animals in today's world as well as to extinct plants and animals
 - A continuum of life forms does not exist
 - Credible Intermediates have not been observed and/or identified in the fossils
 - The classification system introduced by Linnaeus still works today



Quoting an Evolutionist

- The anti-creationist, **Niles Eldredge**, wrote in 1985:
 - “And though a few of these eighteenth-century systematists had vaguely evolutionary notions, nearly all were devoutly and orthodoxly religious. They saw the order in their material, the grand pattern of similarity running through the entire organic realm, as evidence of God’s plan of creation.”

Historical Classification

Biological Classification

- **Aristotle** - first classification into animals and plants; sub-classification into “units” of cats, horses, oaks, etc.

- **Genera** (sing. **Genus**) - Latin for “groups”

- **Carl von Linné** (Carolus Linneaus; 1707-1778)

binominal taxonomy:

Each species has distinct name

Names made of *Genus plus species name*; *Homo sapiens*

- **Taxonomic hierarchy:**

Species	<i>Apis mellifera</i> (honey bee)
Genus	<i>Apis</i>
Family	<i>Apidae</i>
Order	Hymenoptera
Class	Insecta (Hexapoda)
Phylum	Arthropoda



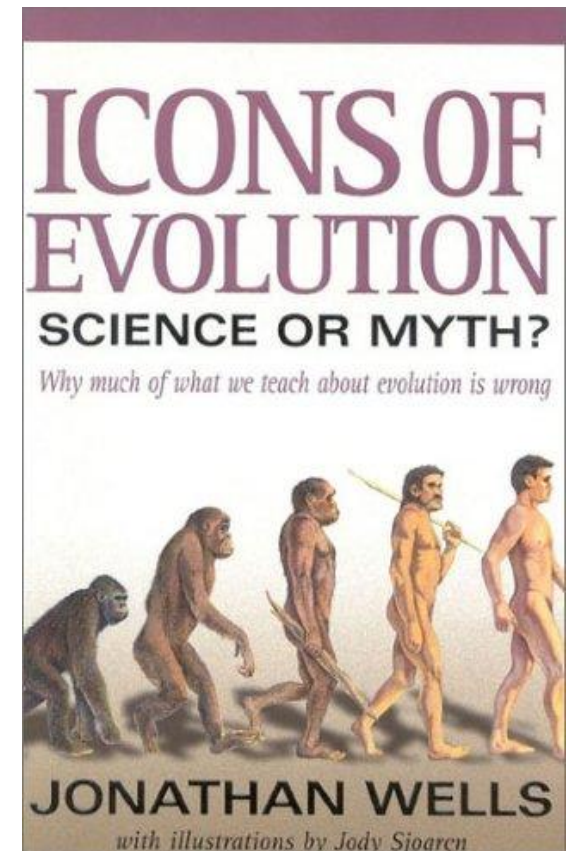
Classification Observations

- What we do see is:
 - Variations within species, e.g. varieties of cats, dogs, cows, horses, mankind
 - No new kinds produced
 - Some species become extinct
 - Like begets like
 - Cambrian fossils largely reflect today's classification system

Chalk up one for the Creation Model!

4. The Origin of Man

- Evolution model predicts:
 - Molecules -> man
 - Man evolved from an ape-like ancestor
- Creation model predicts:
 - Man's appearance has remained largely the same





Famous “Hominid” Fossils

- Neanderthal Man – 1856
- Java Man – 1891
- Piltdown Man – 1908
- Nebraska Man – 1922
- Ramapithecus – 1930
- Lucy - 1974

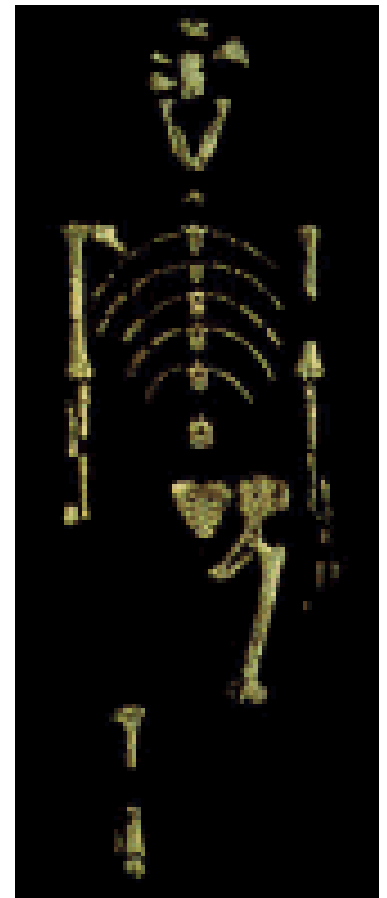
Neanderthal Man



- Fossil fragments first found in France – 1856
 - Skull cap and some limb bones
 - Diagnosed as human with deformed vertebrae
- Neanderthal Man's Site in Krapina, 1899-1999
- Another almost complete skeleton found in 1908
 - Reconstructed by Marcelle Boule to look ape-like
 - Based on pre-conceived evolutionary notions
 - Faulty reconstruction recognized in 1957
- Neanderthal is now known to be fully human with a bone deformity
 - School textbooks still portray as man's ancestor

Lucy

- Discovered in 1974 by Donald Johanson
 - 40% complete skeleton
 - Dated at 3.5 million years old
- Evidence:
 - Arm/leg ratio of 83.9 %
 - Hip/pelvis – walked upright
 - Knee joint – walked upright
- Observations:
 - Fingers long and curved (for climbing)
 - Shoulder blade like gorilla
 - Brain size of chimpanzee



Lucy - Reconstructed

- Digging deeper, we find that:
 - Leg bone broken in two places and one end was crushed -> this invalidates the ratio
 - Hip/pelvis was incomplete, and thus reshaped to make it look as if it walked upright
 - Knee joint was found over one mile away and 200 feet deeper in strata from rest of bones



This is a reconstruction of the famous fossil known as "Lucy", one of our oldest known ancestors. It is based on a limited and almost complete skeleton found in the Tertiary region of Ethiopia by Dr. Donald Johanson. The fossil dated to ca. 3.24 million years ago and is classified as *Australopithecus afarensis*. Lucy and other fossil and living primates and hominids will be the focus of an upcoming MU Museum exhibition on Primate Evolution.



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- Fossil remains of two different creatures fitted to form a make-believe creature



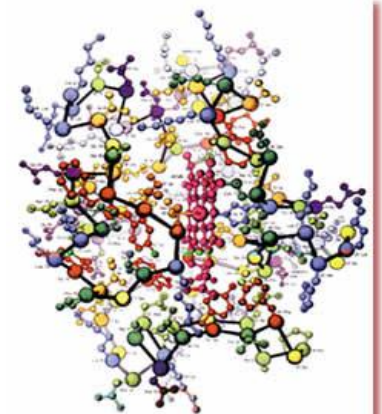
Summary of “Hominid” Fossils

- Neanderthal Man – accepted as homo sapiens
- Java Man – artificial construct
- Piltdown Man – proven to be a hoax
- Nebraska Man – an extinct pig
- Ramapithecus – an orangutan
- Lucy – make-believe creature

NO credible “ape-like -> human” fossil found!

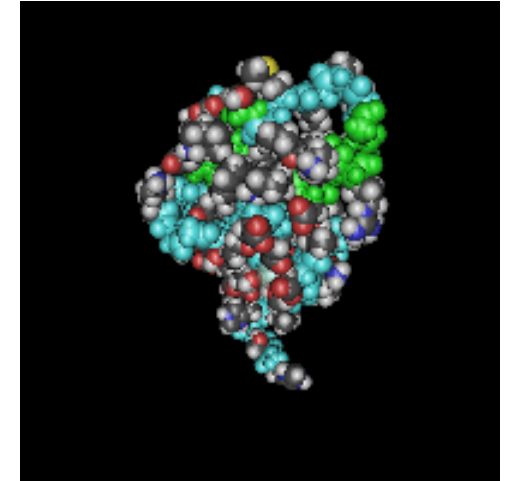
5. Origin of Life - Probability

- What is the probability that an explosion in a junk yard would “create” a car?
- What is the probability of creating a Boeing airplane from such an explosion?
- What is the probability that 200 monkeys pawing away at a typewriter could “write” a Shakespearean play?
- What is the probability of a protein coming into being by chance?



Proteins and Amino Acids

- Amino acids
 - A few thousand types
 - Right- and left-handed
- Proteins - the building blocks of life
 - Large organic molecule
 - Contain 100's to a few 1000 amino acids
 - Specified long sequences of amino acids
 - Contain 20 different left-handed amino acids
- Crucial protein fact
 - Absence, addition, or replacement of a single amino acid in the structure of a protein causes protein to be useless





Probability of Forming one Protein

- Take 200 parts and line them up in a specific order
 - 200! ways of aligning these parts = 10^{375}
 - Try a new alignment 1 billion times a second
 - Assuming 20 billion years of time, we have 20×10^{18} seconds
 - The probability of finding the right alignment is practically zero, i.e. 1 in 10^{356}
 - Anything less than 1 in 10^{50} is regarded as zero probability
- Living organisms contain many more than 200 parts
- Human being contains 60+ trillion cells
- Only 10^{80} “infinitesimal” particles in the whole universe

How Simple Can Life Be?

- Cell structure unknown by Darwin

- Smallest bacteria

- 482 genes
- 600 types of proteins
- 600,000 DNA base pairs
- Probability of chance formation is zero!

- Human genome

- 3,000,000,000 base pairs

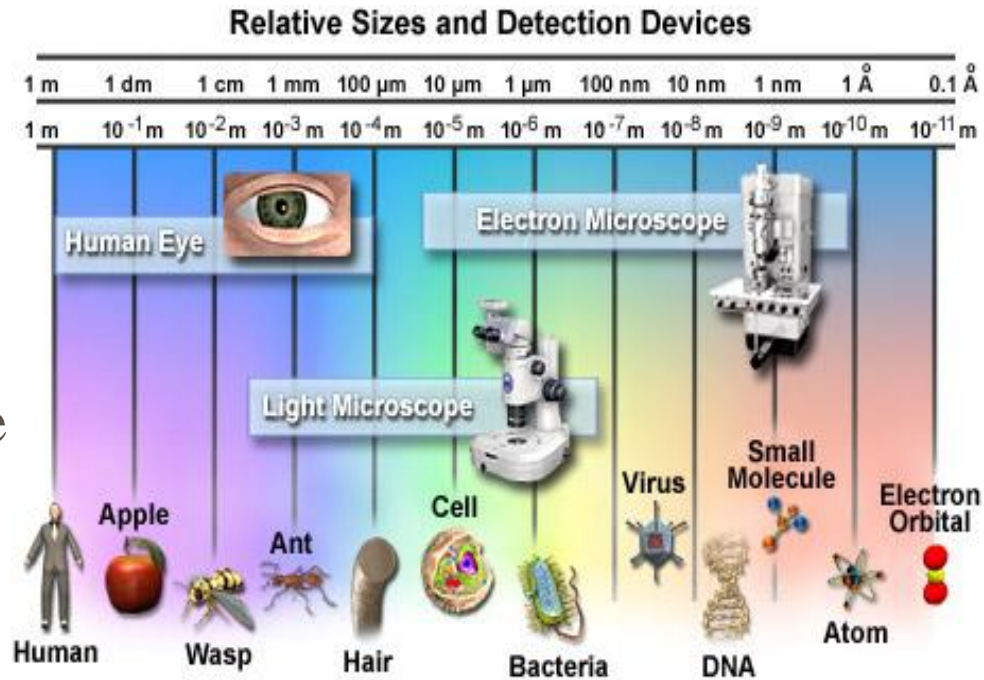


Figure 1



Spontaneous Formation of Life?

“The likelihood of the spontaneous formation of life from inanimate matter is one to a number with 40,000 noughts after it. It is big enough to bury Darwin and the whole theory of evolution. There was no primeval soup, neither on this planet nor on any other, and if the beginnings of life were not random, they must therefore have been the product of purposeful intelligence.”

Wickramasinghe, professor of applied mathematics and astronomy, UK



Conclusions

- Laws of science consistent with Creationism
- Signs of intelligence in the universe
- The probability of life from non-life is zero
- Abrupt appearance of fully-formed animals
- The missing links are still missing
- Man did not evolve from ape-like creatures
- Catastrophism explains the “geologic column”
- There is NO credible evidence for evolution!
- Science supports Creationism



Biblical Reliability On Science

- We trust the Bible for spiritual truth
- We see biblical truth in other areas
 - History - events corroborated by historians
 - Archaeology, geography – verifiable facts
- Can we trust the Bible for truth in science?
 - Astronomy, geophysics, geology, hydrology, oceanography, meteorology, biology, physics
 - Many references to nature and natural processes
 - Authors use everyday language
 - Amazingly accurate statements
 - Anticipatory scientific insights in the Bible

Astronomy – The Moon

- **Job 25:5**, “If even the moon does not shine ...”
 - The moon itself is not a source of light
 - Moon rocks filled with titanium, a better reflector than diamonds
- **Ps. 89:37**, “It shall be established forever like the moon, even like the faithful witness in the sky.”
 - The moon itself is not a source of light, but a reflector of light from the sun
- The moon is not a source of light



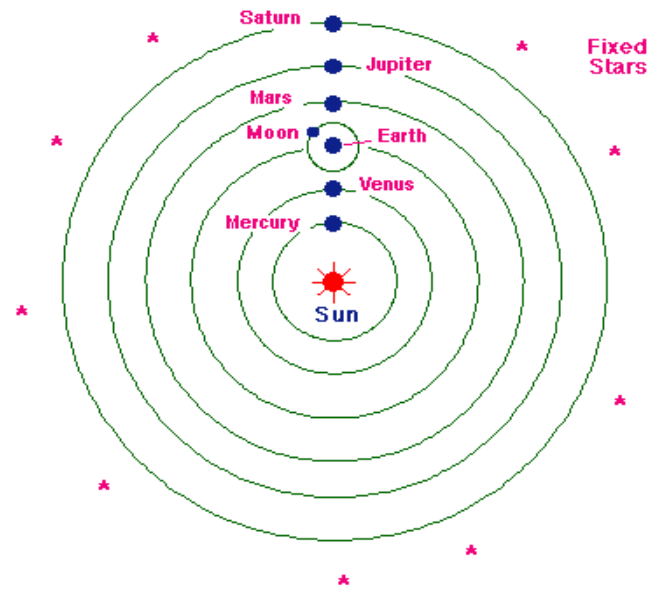
Constellations

- **Job 38:31** “Can you bind the cluster of Pleiades, or loose the belt of Orion?”
 - God told Job in ~ 2000 BC that the seven stars of Pleiades were bound together and the stars of Orion are not
 - Pleiades used to be called the “seven sisters”
 - We learned [20th century] that the stars of Pleiades are gravitationally bound and the stars of Orion are not



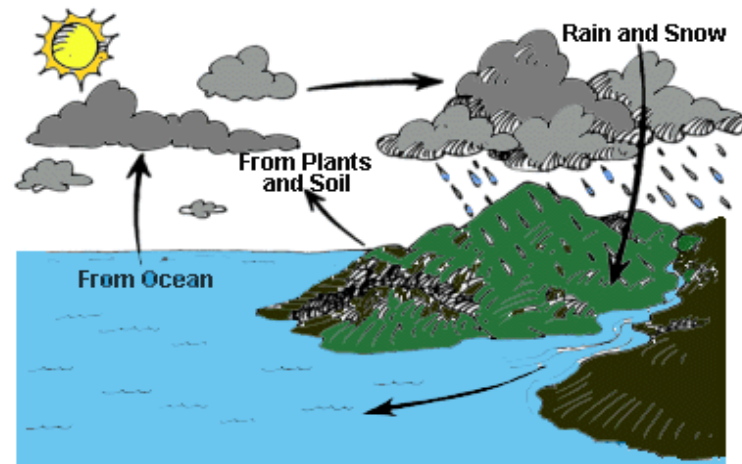
Geophysics

- **Job 26:7,10** “He stretches out the north over empty space; He hangs the earth on nothing. ... He drew a circular horizon on the face of the waters, at the boundary of light and darkness.”
 - Indicates a round earth, not resting on a pillar, consistent with observation
 - Written at a time when many thought the earth was flat



Hydrology

- **Eccl. 1:7**, “All the rivers run into the sea, yet the sea is not full; to the place from which the rivers come, there they return again.” [*Written by Solomon in 935 B.C.*]
 - The hydrologic cycle has been understood by man only in recent years -> ~ mid-1800’s
 - World’s food supply is made possible by the distribution of water
- **Is. 55:10**, “For as the rain comes down and the snow from heaven, and do not return there but water the earth, and make it bring forth and bud, that it may give seed to the sower and bread to the eater.”
 - Hydrologic cycle





Oceanography

- Ps. 8:8, “The birds of the air, and the fish of the sea that pass through the paths of the seas.”
- Matthew Maury undertook research project based on this Scripture verse (1841-1861)
 - There are paths in the sea
 - Also aware of “wind circuits” in **Eccl. 1:6-7**
 - Concluded that there must be “currents in the ocean”
 - Plotted wind circuits and ocean currents as an aid to navigation of the seas

Maury and Oceanography

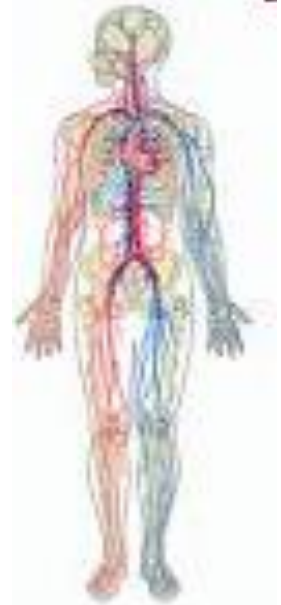
- Gulf stream is a “path in the sea”
 - 40 miles wide, 2000 feet deep
 - Flows from Gulf of Mexico up through the Atlantic
 - More paths in the sea discovered since
- Monument erected in Maury’s home state of VA

“Matthew Fontaine Maury, Pathfinder of the Seas, the Genius Who First Snatched from the Ocean and Atmosphere the Secret of Their Laws. His Inspiration, Holy Writ, Psalm 8:8, Psalm 107:23-24, and Ecclesiastes 1:6.”



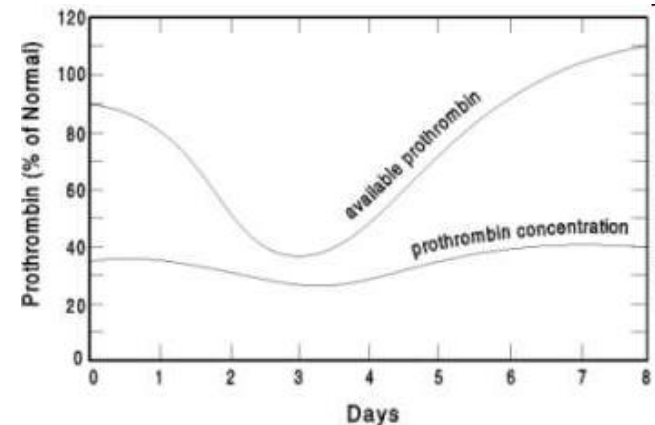
Circulatory System

- **Gen. 9:4** “Only you shall not eat flesh with its life, that is, its blood.”
 - Life is in the blood, a medical statement
 - Blood circulatory system, and importance of blood to life, were scientifically discovered by William Harvey in 1616 AD
- **Lev. 17:11,14** “For the life of the flesh is in the blood ...”, “For as for the life of all flesh, its blood is identified with its life.”
 - Written by Moses ~ 1400 BC.
 - Blood circulation, life in the blood
 - Used to “bleed” a patient to remove a disease



The Immune System

- **Gen. 17:12**, “He who is eight days old among you shall be circumcised, every male child in your generations, he who is born in your house or bought with money from any foreigner who is not your descendant.”
 - Eighth day is the only day in the entire life of the newborn that the blood clotting element prothrombin is above 100%
 - Medical science has discovered that this is when the immune system is at its peak towards the end of the 19th century





Scientific Disciplines Established by Bible-Believing Scientists

Discipline	Scientist
Astronomy	Johann Kepler (1571-1630)
Bacteriology	Louis Pasteur (1822-1895)
Chemistry	Robert Boyle (1627-1691)
Computer Science	Charles Babbage (1792-1871)
Dynamics	Isaac Newton (1642-1727)
Electrodynamics	Clerk Maxwell (1831-1879)



Scientific Disciplines Established by Bible-Believing Scientists - 2

Discipline	Scientist
Electromagnetics	Michael Faraday (1791-1867)
Natural History	John Ray (1627-1705)
Oceanography	Matthew Maury (1806-1873)
Taxonomy	Carolus Linnaeus (1707-1778)
Thermodynamics	Lord Kelvin (1824-1907)



In Conclusion

- Science supports Creationism
 - There is NO credible evidence for Evolution!
- The Bible is reliable when it speaks on science
- The Bible is unique
 - Written over 1500+ years
 - Written on three continents in three languages
 - 40 different authors
 - Accurate in history and geography
 - Confirmed by archaeology/manuscript evidence
 - Confirmed by fulfilled prophecy
 - **AND** reliable when it touches on science



More Information

- ICR – Institute for Creation Research
 - www.icr.org
 - Acts and Facts articles on Creation
- Answers in Genesis
 - www.answersingenesis.org
 - Books, seminars, articles on Creation
- Creation Research Society
 - www.creationresearch.org
 - Publication of peer-reviewed creation articles
- Dr. Heinz Lycklama's Lectures
 - www.osta.com/creation & www.osta.com/apologetics
- True Origin Archive
 - www.trueorigin.org
 - Exposing the myth of evolution



**Thank you
for your
attention!**

Dr. Heinz Lycklama

heinz@osta.com

www.osta.com/creation

www.osta.com/apologetics

www.osta.com/messages

Lycklama Lending Library (Books and DVDs)



Creation Organizations

- ICR – Institute for Creation Research
 - www.icr.org
 - Books by Henry Morris (founder), e.g.
 - The Genesis Flood
 - The Genesis Record
 - The Modern Creation Trilogy
 - Acts and Facts articles on Creation
- Answers in Genesis
 - www.answersingenesis.org
 - Founded by Ken Ham
 - Books, seminars, articles on Creation



Creation Organizations - 2

- Creation Evidence Museum
 - www.creationevidence.org
 - Dinosaurs and human tracks
- Creation Moments
 - www.creationmoments.com
 - Radio spots
- Creation Research Society
 - www.creationresearch.org
 - Publication of peer-reviewed creation articles



Creation Organizations - 3

- Center For Scientific Creation
 - www.creationscience.com
 - “In The Beginning” Book by Walt Brown, Ph.D.
- Creation Science Evangelism
 - www.drdino.com
 - Videos, seminars
- Discovery Institute
 - www.discovery.org
 - Intelligent Design “Think Tank”



Important Books

- The Genesis Record, Dr. Henry Morris
- The Genesis Flood, Dr. John Whitcomb & Dr. Henry Morris
- The Collapse of Evolution, Scott Huse
- The Lie: Evolution, Ken Ham
- Refuting Evolution, Dr. Jonathan Sarfati
- Evolution: The Fossils Still Say No!, Dr. Duane Gish
- Scientific Creationism, Dr. Henry Morris
- Dinosaurs by Design, Dr. Duane Gish
- Genetic Entropy & the Mystery of the Genome, Dr. J.C. Sanford



More Important Books

- The Young Earth, Dr. John Morris
- Science and the Bible, Dr. Henry Morris
- Tornado in a Junkyard, James Perloff
- In The Beginning, Dr. Walt Brown
- Evolution: A Theory in Crisis, Michael Denton
- Darwin on Trial, Dr. Phillip Johnson
- Darwin's Black Box, Dr. Michael Behe
- Design Inference, Dr. William Dembski
- Icons of Evolution, Dr. Jonathan Wells



Yet More Important Books

- The Battle for the Beginning, Dr. John MacArthur
- Total Truth, Nancy Pearcey
- The Design Revolution, Dr. William Demski
- The Origin of Species Revisited, W. R. Bird
- It Matters What We Believe, Mike Riddle
- The Evolution of a Creationist, Jobe Martin
- Grand Canyon (a different view), Tom Vail
- In Six Days, Dr. John Ashton
- Starlight and Time, Dr. Russell Humphreys
- Starlight, Time and the New Physics, Dr. John Hartnett