

## **STEWARDS OF THE SCRIPTURES AND EVOLUTION**

**CULTURAL CHANGES** - The Judeo/Christian influences upon culture have been diminished by a current Post-modern culture which essentially rejects the authority of absolute truth in the Scriptures. The culture includes to a greater or lesser degree various past “isms” - humanism, secularism, pragmatism, individualism, pluralism, relativism, materialism and hedonism. The Post-modern culture, a conglomerate of opinions hard to define, has produced societal changes. The life style of homosexuality and lesbianism gained status. Same-sex marriage was legalized. Abortion rights were sustained. Instead of resisting anti-Biblical “isms”, the theological rejection of the absolute authority of the Scriptures by many mainline denominations further empowered the cultural decline.

### **Two factors influenced denominations in their departure from the absolute authority of Scripture ... Evolution and The Higher Critical Method of Biblical Interpretation**

**EVOLUTION** - Forerunners of evolutionary views, such as Erasmus Darwin, Lamarck, Hutton and Lyell, paved the way in challenging the factuality of the Biblical creation account. Charles Darwin, with the publication of “The Origin of Species by Means of Natural Selection” in 1859, gave evolution theories a sense of credibility. The “Creation-Evolution Debate” between Samuel Wilberforce and Thomas Huxley in 1860, further supported evolution in opposition to the veracity of Scripture.

**THE HIGHER CRITICAL METHOD OF BIBLICAL INTERPRETATION** - In 1941, Rudolf Bultmann, a German Lutheran theologian, in a futile effort to preserve the Christian faith in a world influenced by anti-Biblical, materialistic, theoretical science, proposed his “demythologizing” theory (Entmythologisierung). The theory held that there are “mythological” portions in Scripture which must be detected and given proper evaluation of “existential” significance. For example, the details of the Genesis creation account should be interpreted as “religious myth”, not historically true, while the Doctrine of Creation by God should be retained as true. The concept of “theological myth” escalated to a rejection of the historicity of other portions of Scripture, some to the extreme rejection of the resurrection and ascension of Christ. A review of his theory shows it be the result of subjective opinion. Nevertheless, his hermeneutic, also known as “Form Criticism”, infested the majority of denominations resulting in a rejection of the absolute authority of Scripture.

“**CREATIONISM AND EVOLUTION**”, a compilation from published resources opposing evolution and supporting the factual historicity of Scripture, is offered in outline form on the following pages for easy access to busy pastors, teachers and interested laity. The books consulted are listed on page 14 for those interested in additional information. A companion piece, “Stewards of the Scriptures & Biblical Authority”, may be found at [www.selc.lcms.org](http://www.selc.lcms.org) (Stewardship - Pastoral Helps).

**THE POWER OF CHRISTIAN CONVERSION** ultimately rests in the Holy Spirit through His infallible Word contained in Scripture. The Gospel has the power to transcend materialistic cultural trends, as well as the theoretical tenets of evolution, and create faith in hearts. The responsibility of Christians, personally and collectively through the Church, is to share the Gospel unashamedly. They should follow the lead of St. Paul who wrote, “I am not ashamed of the gospel, for it is the power of God to everyone who believes.” (Romans 1:16)

Rev. Thomas Soltis  
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# CREATIONISM AND EVOLUTION

## A Compilation from Published Resources Opposing Evolution

by Rev. Thomas Soltis, EM

### I

## HISTORY OF EVOLUTION

### A. PRE-DARWINIAN IDEAS

#### ANCIENT GREEK PHILOSOPHERS

**Anaximander** claimed people came from fish.

**Empedocles** proposed they came from plants.

The above views were not generally accepted at the time.

**Aristotle** proposed the idea of "*Spontaneous Generation*". He noticed insects and flies suddenly appeared from mud and slime and thought other creatures originally did the same.

William Harvey (17 c.) challenged this view. Louis Pasteur (19 c.) disproved it.

#### FOSSILS

The Greeks recognized fossils for what they are - the petrified remains of living organisms. In the Middle Ages it was believed that fossils were formed in stone by the action of the sun and stars. Later investigations and ideas:

**Ristoro d' Arezzo** (1282) claimed fossils were the result of the Great Flood since fish were found on high mountains.

**Leonardo da Vinci** found marine fossils while building a canal in Northern Italy and claimed they were the result of the Great Flood.

**Steno** (17 c.) put forth the idea of rock strata being laid down at different times with the oldest layer at the bottom.

**John Woodward** claimed rock strata was due to the Great Flood and that fossils were the remains of creatures which died during the Flood. Woodward established the science of "*Paleontology*", the study of fossil organisms.

### B. EVOLUTIONARY VIEWS

#### PALEONTOLOGY

**Erasmus Darwin**, grandfather of Charles Darwin, proposed evolutionary views regarding the formation of fossils.

**Lamarck** proposed evolutionary views not popular in a Paris debate with Georges Cuvier (an anti-evolutionist) who claimed "*multiple catastrophes*" responsible for the formation of fossils, the Great Flood being the most recent.

#### GEOLOGY

**James Hutton**, the father of "*Geology*", proposed "*Uniformitarianism*" in 1795, claiming geological processes have always proceeded the way they currently do with no major catastrophes.

**Lyell**, the father of "*Principles of Geology*", adopted Steno's idea of rock strata and claimed a weathering and river erosion process.

## PROPOSERS OF EVOLUTION

**Charles Darwin** proposed that, since the young differ from their parents in small ways, some of the differences may be variations selected for continuation. He suggested “*Natural Selection*” produces new species, emphasizing that the strong survive and the weak die. In the Galapagos Islands he noted a special race of giant tortoise on each island. He further claimed that transitional types of one species of finches changing into another could be observed. After twenty years of hesitation to publish, he finally published his book, “*The Origin of Species by Means of Natural Selection*”, in 1859.

**Thomas Huxley** - On June 30, 1860, in a “*Creation-Evolution Debate*” sponsored by the British Association for the Advancement of Science, Huxley debated Samuel Wilberforce, Bishop of Oxford. Huxley was regarded brilliant and Wilberforce ignorant and ill informed (a debatable opinion).

**Deistic Evolution** -Within ten years evolution gained popularity. Sadly, a large number of churches compromised by promoting the contradiction that one can believe the Genesis creation account and evolution at the same time by accepting “*Deistic Evolution*” (God controlling the process of evolution).

## C. “SPECIES” & “KINDS”

### EVOLUTION

**Charles Darwin** proposed that species could produce new species through “*Natural Selection*”. He suggested that lower forms of life could produce higher forms through an evolutionary process over a great period of time.

### CREATIONISM

**Biblical Creationists** differentiate between “*species*” and the word, “*kinds*”, found in the Genesis creation account. “*And God said: let the land produce living creatures according to their kinds*” (*Genesis 1:24a*) Species and kind are not the same. Species are variations within a kind. Changes can take place within species but not kinds. The changes in species cannot evolve into more complex forms of life. Dogs can be interbred into new forms, from Chihuahua to St. Bernard, which in turn can be bred to produce the same type of offspring. But dogs (a kind) cannot be interbred with cats to evolve a “dogcat”.

**John Klotz**, A former professor of biology at Concordia Teachers College, River Forest, IL, wrote: “It is generally agreed that two forms belong to the same species if they can interbreed and produce fertile offspring” . . . “However, it should be noted that Genesis does not use the term “species”. The Biblical Hebrew word “*MIN*”, is best translated “kind”. It is not an exact equivalent of the term species. While new species can arise, new kinds cannot”. (“*Genes, Genesis & Evolution*”; John W. Klotz; Concordia Publishing House, St. Louis, MO; 1995; p. 81)

## II FOSSILS

### A. EVOLUTION

#### EVOLUTION'S FOSSIL VIEWS

**Rock Strata** - The theory of evolution claims that fossils found in a particular rock strata are as old as the theoretical age of strata, the lowest being the oldest, the most recent near the top. A *Geological Column* has been constructed. (See Addendum; Page 13)

**Expectations from Rock Strata** - According to the Geological Column:

- > Simple organisms should be found in the oldest (lowest) strata.
- > *Fossil Links*, indicating life forms in transition from lower to higher, (such as something part fish and amphibia, part reptile and mammal, part ape and man) should be found within strata.

#### REFUTATION OF EVOLUTION'S FOSSIL EXPECTATIONS Gradual Development Cannot Be Found in Fossils

**1. Cambrian Rocks** - The lowest strata, called *Cambrian*, does not contain rocks which reveal a gradual progression from very simple organisms to complex ones. *Protozoa*, from which all more complex life is assumed to have evolved, are virtually absent in Cambrian rocks, while more complex creatures are found in the hundreds.

**2. Eohippus** is claimed to be the ancestor of the modern horse. However, there is no evidence.

- > Bones of *Eohippus* are often found near the surface.
- > The small size of *Eohippus* is of no evolutionary value. Horses of many different sizes exist today.
- > Some scientists claim that *Eohippus* has no connection with the horse, but is a variant form of *Hyrax*, existing today.

#### 3. Fossil Links

- > Evolutionists admit that, for the most part, *fossil links*, indicating evolutionary transformation from one life form to another, do not exist.
- > *Archaeopteryx*, supposedly is claimed to be a link between reptiles and birds. However, the *Hoatzin*, a bird currently in the Amazon is similar.
- > *Ape Man* skeletons are inconclusive. The skeletons of *Anthropoids* differ only quantitatively from human skeletons. The brain size of a human brain is known to be extremely variable, from 1,000 c.c. to 2,000 c.c. Skull comparisons with *Anthropoids*, with a brain size no larger than 600 cc., are inconclusive. The *Southern Ape Man* in South Africa, with a brain size of 482 c.c., is an ape. *Neanderthal Man*, with a brain size even larger than an average human brain, is human. The same is true of *Peking Man*. The only claimed evidence of *Java Man* is one leg bone, three teeth and part of a skull, found 45 feet apart, at a level containing human skulls. *Dubois*, who discovered *Java Man*, later claimed the fossils were those of a *Gibbon*. *Hominid* footprints, found by Mary Leakey in Laetoli, East Africa, in 1979, were claimed to be 3.6 Million years old. The footprints, however, are human, found with tracks of other animals.

4. **Giantism** - Basic to the theory of evolution is that animals, as they become more complex, increase in size. However, giant fossil forms of the following have been found ... bears, camels, pigs, rhinos, elephants, tigers and wolves. These animals are smaller today.
5. **Geological Column** - There is no distinct order to the *geologic strata* with characteristic fossils occupying the different layers. All levels can rarely, if ever, be found together. Two or three are generally found at one place. Older rocks are found on top of younger ones, as found in *The Matterhorn Mountain*.

## B. CREATIONISM

### Pre-flood & Post-flood Views

- > At first the earth was completely covered with water.
- > The water was divided, with water below covering the whole earth and water above in the created atmosphere (Genesis: *firmament*) serving as a water-vapor canopy which trapped heat, resulting in an even, warm climate over the entire earth.
- > When land appeared, there was *one* land mass and *one* ocean.
- > *The Great Flood Catastrophe* in Genesis involved sub-oceanic volcanic action of tremendous force raising the sea level, which, together with the heavy, constant rain, caused water to cover the entire earth. Human and animal life were destroyed with the exception of Noah, his family and the creatures in the ark. Catastrophic volcanic eruptions on land and beneath the sea dramatically changed the earth's topography.

### Expectations from the Great Flood

- > There should be a multitude of fossils bearing marks of sudden, violent death.
- > Fossilized creatures should be found all over the earth.
- > Thick layers of sediment should be deposited by the Great Flood waters.
- > Chaotic, powerful tidal forces, caused by the Flood, should deposit sediment in confused layers causing erratic, chaotic shifts in rock strata.

**Future Chaotic Catastrophes** since the time of the Great Flood, such as earthquakes, volcanic eruptions (ie; Mt. St. Helen's eruption), natural disasters, etc., also greatly altered geography and topography.

## CREATIONIST FOSSIL VIEWS

### Fossilized Creatures are the Result of a World Wide Flood

1. **Fossil Graveyards** - Millions upon millions of fossilized animal remains indicate *immediate burial*. Decay took place slowly, leaving either the bones themselves or impressions of where the bones have been. Dinosaur fossils are found in positions of sudden, violent death while in swimming positions. Dinosaurs were not aquatic.
  - > *Cumberland Bone Cave, Maryland* - Dozens of mammal species are found with reptiles and birds from different climates and habitats.
  - > *Hippopotamus bones* are mined for charcoal in Sicily.
  - > Fossil Graveyards have not been found with fossils indicating a process of gradual evolutionary transformation.

- 2. Vast Coal & oil Beds** - Both coal and oil are found throughout the *Geological Column* as well as all parts of the world, even Antarctica. Intervening strata among multiple coal beds have been water deposited. There is no known peat bog large enough to produce a large coal seam.
- > Oil has been produced in the laboratory in as little as 20 minutes. A great period of time is not needed to produce coal. Under the right circumstances, it can be formed in a short time period.
  - > God created coal and oil at the time of creation.
- 3. Polystrate fossils** - Large fossils of animals, plants, tree trunks, etc., can be found extending through several strata. These fossils must have been buried *quickly* because their top parts are just as well preserved as those lower down. Evolutionists assume different strata were laid down at different times over long periods of time.
- 4. Frozen Animals in Siberia & Alaska** - It is estimated there are about 5 million mammoths, some in ice and some in sedimentary (water formed) strata. Death came *quickly*. Within some mammoths food is found undigested. Sheep, camels, rhinos, bison, horses, tigers, oxen and lions are also found in Siberian ice.
- 5. Overthrusting Strata** is the term used describing the sometimes confused nature of strata with older strata on top of younger. The *Matterhorn Mountain* is an example. Catastrophic forces from the Great Flood, earthquakes and volcanic action could cause strata overthrusting.
- 6. Sedimentary Rock** - Three fourths of the earth's continental surface is composed of sedimentary rock formed from sediment laid down by water. One fourth is *igneous* formed by volcanic action. Sedimentary rock is found not only in valleys but on top of mountains, some containing *marine fossils*.
- 7. Extinction** - Evolutionists are baffled regarding the extinction of *Dinosaurs* and *Trilobites* (marine invertebrates). The Great Flood could have caused such extinctions. Furthermore, dinosaurs, because of poor body temperature control due to their huge size, needed the warm, stable climate which existed before the Great Flood.

### III

## GENETICS & NATURAL SELECTION

1. **Definition** - *Genetics* is the study of the inheritance of characteristics from parent organisms. A *gene* is a unit which controls cell growth and determines the color of flowers, shape and size of organisms, the kinds of limbs and bones, etc. *Genes* determine whether cells will develop into a salamander, crocodile, bird, animal, man, etc.
2. **Gregor Mendel** discovered the fundamental laws of genetics and published his findings in 1860.
  - a. Mendel crossed various races of peas and found the flower color ratio to be 3 to 1 (3 reds to one white) with red being the *dominant* gene.
  - b. Darwin assumed that, in the case of red and white flowers, the appearance of a white characteristic was a *new* characteristic acquired by the young plants which their parents had *not* possessed. Mendel's experiment disproved Darwin's assumption, since white characteristics were present all the time, though masked by the more *dominant* gene.
3. **Charles Darwin** adjusted his genetic theory.
  - a. **Mutation** - A new evolutionary theory emerged which indicated genes could change to completely *new forms* through a process called *mutation*.
  - b. **Natural Selection** - New genes would be selected to *dominate* if they conveyed an advantage to the organism.
    - > *The Peppered Moth* - In 1860 the peppered moth was pale in color. During the next hundred years a dark moth became more common and the pale rare. It was reasoned that trees were darkened with soot via the industrial revolution and a *dark moth* against the background of dark trees had a better chance of survival against predators.
4. **Mutations - for Better or for Worse?**
  - a. Mutations do occur.
  - b. When mutations occur, it is a change for the *worse* and not for the better as evolution assumes.
    - > Mutations under natural conditions are not only rare but *harmful* to an organism.
    - > Organisms with mutations tend to die out because of weakness.
    - > Mutations are unable to produce new vigorous genes which would enable a race of new organisms to evolve.
    - > The mutation theory of evolution is hopelessly inadequate and unscientific.
5. **Natural Selection** - Environmental, climactic, predator, etc. circumstances in nature can affect the nature of genes and cause changes.
  - a. Changes do occur.
  - b. Genetically *poorer* creatures are produced by natural selection - not *richer* as assumed by evolution.
  - c. Genetically poorer creatures are prone to extinction.
  - d. Natural selection can lead to two separate *species* but not "*kinds*" as created by God.
    - > The "*kinds*" which God created possessed a rich variety of genes which allowed for changes and survival - some perhaps less (dinosaurs) and some more (man). Those with less were prone to extinction and those with more capable of *adaptation*.

**6. Homologous Structures** - Evolution claims that structures (such as the flippers of a seal, wing of a bird and arm of a man) have the same basic bone arrangement (“*homologous structure*”) and therefore evolved from a single common ancestor through genetic *mutation* which produced *new* genes.

- a. **Fruit Fly Experiment** - Since the life span of fruit flies is so short, generations can be produced in a short time enabling the scientific study of changes and mutations observed. Evolutionists claimed that two races of fruit flies which developed with different eyes involved *new* genes. Scientific investigations later discovered the eyes were produced by the action of not *new* but already existing genes in the parent fruit flies.
- b. **There is no scientific proof** that homologous structures are the result of a process of *mutational* evolution from a common ancestor.

## IV AGE OF THE EARTH

### EVOLUTION VIEW

**Evolutionists estimate the age of the earth to be 4½ million years old based on *uniformitarianism*, the theory that things always functioned as they do now.**

### URANIUM RADIOACTIVE DATING

#### ***Radioactive Dating***

1. Atoms of radioactive substances (*ie. uranium*) are unstable and have a tendency to break down and become smaller atoms. Not all radioactive atoms of a particular substance break down at the same rate.
2. A definite length of time is required for ½ the atoms to decay (“*Half-Life*” of a substance)..
3. During the breakdown, *energy* is released in rays.
4. The “*Half-Life*” is used to calculate the age of radioactive materials.

***Uranium Radioactive Dating*** - Uranium decays by a series of steps to form lead. Assumptions are made by evolutionists as to how much uranium and lead existed at the outset. There has been some controversy among scientists about the true length of the “*Half-Life*”. Evolutionists offer **4,500** million years as one of the estimates among three assumptions for uranium.

#### ***Three Uranium Dating Methods Used by Evolutionists***

Assumption 1 - No lead was present in original rock. No lead or uranium was lost. Age earth: **18,000** million years.

Assumption 2 - 50% lead was present in original rock. No lead or uranium was lost. Age of earth: **13,500** million years.

Assumption 3 - 50% lead was present in original rock. Uranium was lost at a rate of 50% per “*Half Life*”. Age of earth: **4,500** million years.

### ***Scientific problems with Uranium Dating Methods***

1. There is no scientific basis for the *assumption* that uranium contained no lead or 50% lead at the outset.
2. There is no scientific basis for the *assumption* that no lead or uranium has ever been lost other than by radioactive decay. 90% of radioactive elements in some granites can be removed from the surface by leaching out the rock with weak acid.
3. Because of the difficulties encountered, many of the early techniques of uranium dating have fallen into disrepute.

### **ALTERNATIVE URANIUM RADIOACTIVE DATING METHODS**

***Three Alternatives*** - Because of the scientific difficulties outlined above, scientists have endeavored to use three different radioactive methods to establish the date of a rock. The following ratios are used:

1. Uranium 238/lead 206 (238U/206Pb)
2. Uranium 235/lead 207 (235U/207Pb)
3. Lead 207/lead 206 (207Pb/206Pb)
  - > 238U & 235U are different isotopes of uranium
  - > 206Pb & 207Pb are different isotopes of lead

### ***Scientific Problems***

1. The dating process is inconsistent. There have been instances where different ages have been given with a wide time gap. A rock in Sweden was dated 380, 440 & 800 million years.
2. *Neutron Gamma* reactions, which could change 206Pb into 207Pb or 208Pb, could also render the dating process useless.

### **LEAD ISOTOPE RATIO DATING**

***Isotopes*** are different atomic forms in which an element can be found. A piece of lead from a rock may contain different lead *isotopes*. The age of the rock is calculated from the ratios of the isotopes to each other.

***Scientific Problems*** - It is scientifically impossible to know how much of each isotope was present at the start and how much came from radioactive decay from uranium. The method is unreliable.

### **POTASSIUM/ARGON (K/Ar) DATING**

***The Isotope Argon 40 (40Ar)*** is the result of decay from potassium and its presence in rock is used for dating purposes.

***Scientific Problem*** - 1% of the earth's atmosphere contains argon which rocks can absorb.

***Effort to Solve the Problem*** -  $^{36}\text{Ar}$  present in rocks was absorbed from the atmosphere.

***Scientific Problem*** - There is no evidence of the proportion of  $^{36}\text{Ar}$  having been constant in the past. On the contrary, it is probable that it is increasing as a result of cosmic rays bombarding the earth's outer atmosphere. The method is questionable.

### **ISOCHRON METHODS**

***Isochron Methods***, which claim to eliminate guesswork about the initial concentration of parent atoms, possess *assumptions* which make the dating results *hypothetical*.

**The unreliability of radioactive dating is illustrated by the fact that 22 rock samples, known from history to be 200 years old, were dated to be preposterously older by radioactive dating methods.**

# V AGE OF EARTH

## BIBLICAL VIEW

**Creationists estimate the earth to be approximately 10,000 years old at most, based on the Bible Book of Genesis, which states that God created all things in six 24 hour consecutive days, resting on the 7<sup>th</sup>.**

### A. *Biblical Age of the Earth*

1. Until the end of the 18<sup>th</sup> century, Christians almost unanimously believed the earth to be approximately 6,000 years old, calculated by *Bishop Usher*, who estimated Adam's creation about 4,000 BC.
2. Those who observed that the genealogical record in Genesis, chapter 11, is not a strict chronology, have allowed a maximum age of 10,000 years.

**John W. Klotz**, a Lutheran theologian, after considering the genealogical records in the Bible books of Genesis, Matthew and Luke, concludes, "The genealogies are not to be used as chronologies. If they are so employed, *Shem* becomes a contemporary of both *Abraham* and *Isaac*." ("Studies in Creation"; page 74)

### B. *Scientific Evidence for a Young Earth*

1. ***Earth's Magnetic Field*** - The strength of the earth's magnetic field is diminishing. By strict evolutionistic "*uniformitarian*" assumptions, a million years ago the magnetic strength would be impossibly high.
2. ***Meteoritic Dust***
  - > The earth is being showered daily with meteoritic dust in sufficient quantities to be measured with thousands and possibly millions of tons annually. If this took place for 4½ million years, large deposits would exist. They do not.
  - > The oceans accumulate *nickel* from meteoritic material. The rate at which nickel is being added is estimated to be several thousand years - not millions.
  - > The fact that a centimeter or two of meteoritic dust was found on the moon suggests a young age for the moon.
3. ***Atmospheric Helium*** - The disintegration of *uranium* or *thorium* in the earth's crust is continuously producing *helium*. On the basis of helium production, evolutionary assumptions would end up estimating that the maximum age of the earth is 26 million years. Evolutionary calculations also assume there was no helium in the atmosphere to begin with. In any case, 26 million years is a far cry from 4½ million.
4. ***Salt in the Sea*** - Salt is continuously being washed into the sea. It has been calculated that, even allowing for the formation of rock salt by evaporation and making the unlikely assumption that no salt was there in the first place, an absolute maximum of 200 million years would give the amount now found. Again, this is far short of the 1,000 million years required by evolution.
  - > ***Biblical Solution*** - God created the sea with the correct content of salt needed to support the marine life He intended it contain.

### C. *Creationism's Biblical View*

After six 24 hour consecutive creation days, the earth was complete. What evolutionists assume happened gradually over *4½ million years*, Biblically took place in the short time span of *six days*. The catastrophic nature of the flood caused substantial physical changes to the earth rapidly.

## VI TIME SPANS

### **Evolution assumes life existed for millions of years based on fossils and archeological assumptions.**

#### A. *Uranium and Potassium/Argon Dating of Rocks Unreliable*

Most dating methods depend upon dating the rock in which fossils are found. All fossils are found in *sedimentary* rocks. Radioactive dating can be performed only on *igneous* rocks. Neither *Uranium* nor *Potassium/Argon* dating (unreliable even with *igneous* rocks) can be used to date fossils directly since they are in *sedimentary* rocks. The dating process is unreliable.

#### B. *Carbon-14 (14c) Dating of Fossils Unreliable*

In the 1940's, Libby developed the *Carbon-14* method of dating *fossils*. However, theoretically, the method can be used to date materials only up to about *40,000 years old* and is used mainly for studying glacial and post-glacial geology and archeology.

#### *Scientific Problems Regarding 14c Dating*

1. The theory assumes *Carbon-14* is in *equilibrium* in the atmosphere - that it is being broken down at the same rate at which it is being produced. However, scientific testing suggests *Carbon 14* is being produced nearly one third faster than it is disintegrating.
2. The theory further assumes that the ratio of *Carbon-14* to ordinary *Carbon* in the atmosphere has always been *constant*.
  - > However, a canopy of *water vapor* above the earth prior to the Great Flood (a Biblical possibility) would have prevented many cosmic rays from reaching the atmosphere, reducing the presence of *Carbon-14*.
  - > Furthermore, if the earth's *magnetic field* was much stronger in the past, then the cosmic rays would also be deflected away from the earth, reducing the amount of *Carbon-14*.
  - > **Conclusion** - A fossil, that contains very little 14c, is not necessarily of a great age since the animal, from which the fossil was produced, may have lived at a time before the Great Flood when there was very little 14c in the atmosphere.

### C. **Recorded History**

There is no trustworthy history dating earlier than about *3,000 B.C.* Libby, who developed the *Carbon-14* dating process, admitted, "It is about the time of the First Dynasty of Egypt that the first historical date of any real certainty has been established."

## D. World Population Increase

The present world population, *approximately 4.5 billion*, is not consistent with evolution's theory that man has existed for millions of years. United Nations data indicates it would take approximately only 5,000 years to produce today's 5 to 6 billion population.

## E. The First & Second Laws of Thermodynamics vs. Evolution

**Definition of Scientific Law** - *Scientific Law is a description of what regularly and universally happens in the natural realm.*

> **The First Law of Thermodynamics** states that the total amount of energy in the universe is *constant*, that is, energy can neither be created nor destroyed.

**Conclusion** - What this Law states is in harmony with the Bible which states that, after six, days God's creative activity ceased.

> **The Second Law of Thermodynamics** states that, although the total amount of energy remains *constant*, the amount that is available for use is constantly *decreasing*.

**Conclusion** - The 2<sup>nd</sup> Law of Thermodynamics shows that order cannot arise by *chance*. The tendency is the other way. The claim by evolutionists that complicated living organisms arose by *chance*, is contrary to the 2<sup>nd</sup> Law of Thermodynamics. The Law indicates that every natural system, when left to itself, tends to run down, break down, become more random and less highly organized. For example, an automobile, which took a great amount of energy to build, will eventually rust into scrap. A hot cup of tea will eventually cool down. This Law discredits the Theory of Evolution.

## F. Age of the Stars ... Light & Life

**Astronomy** - Astronomers claim that, according to the speed of light, it would take billions of years for the light to reach us from distant stars. They are *assuming* that, as a result of one evolutionary process or another, at some point in the past, stars began emitting light which began traveling billions of miles to reach us, thus making stars billions of years old. Scientifically, the vast distances quoted are not known with certainty. For example, there is controversy over the position of "*quasars*" in the universe. While some astronomers believe they are *ten billion light years away*, others claim them much closer. Einstein's theories of relativity dismissed concepts of the *rigidity of time* with its relation to space. In the realm of the cosmos, questions regarding light and its relationship to time and space remain to be asked and answered.

**The Bible** - Creationists maintain that God created the beams of light at the same time He created the stars. Genesis 1:17 states that the sun, moon and stars were created to "*give light on the earth*". The obvious implication is that this happened *immediately*. Light is necessary for life. Light is the life giving power source for "*photosynthesis*" among plants. Furthermore, the scientific fact of *symbiosis (various forms of life depending on other life forms for existence)* demands a rapid time frame for their creation and continuation through the power of life through light. Evolution's vast time scale for light and life forms is unreasonable and, to date, has not been proven true via the scientific method. It remains an *hypothesis - a calculated guess*.

## VII CONCLUDING OBSERVATIONS

### Creationists & Evolutionists

- > The positions of both Creationists and Evolutionists are impossible to test scientifically. Both require *faith* for acceptance..
- > Evolutionists assume that conditions which prevailed at the beginning of earth's history are the same which exist at the present time with little change. The theory embraces "*slow change*" over a "*long period of time*".
- > Creationists claim that "*catastrophic events*", such as the Great Flood, earthquakes, volcanic eruptions, rapid climate changes, etc., were capable of producing "*rapid change*" over a "*short period of time*".

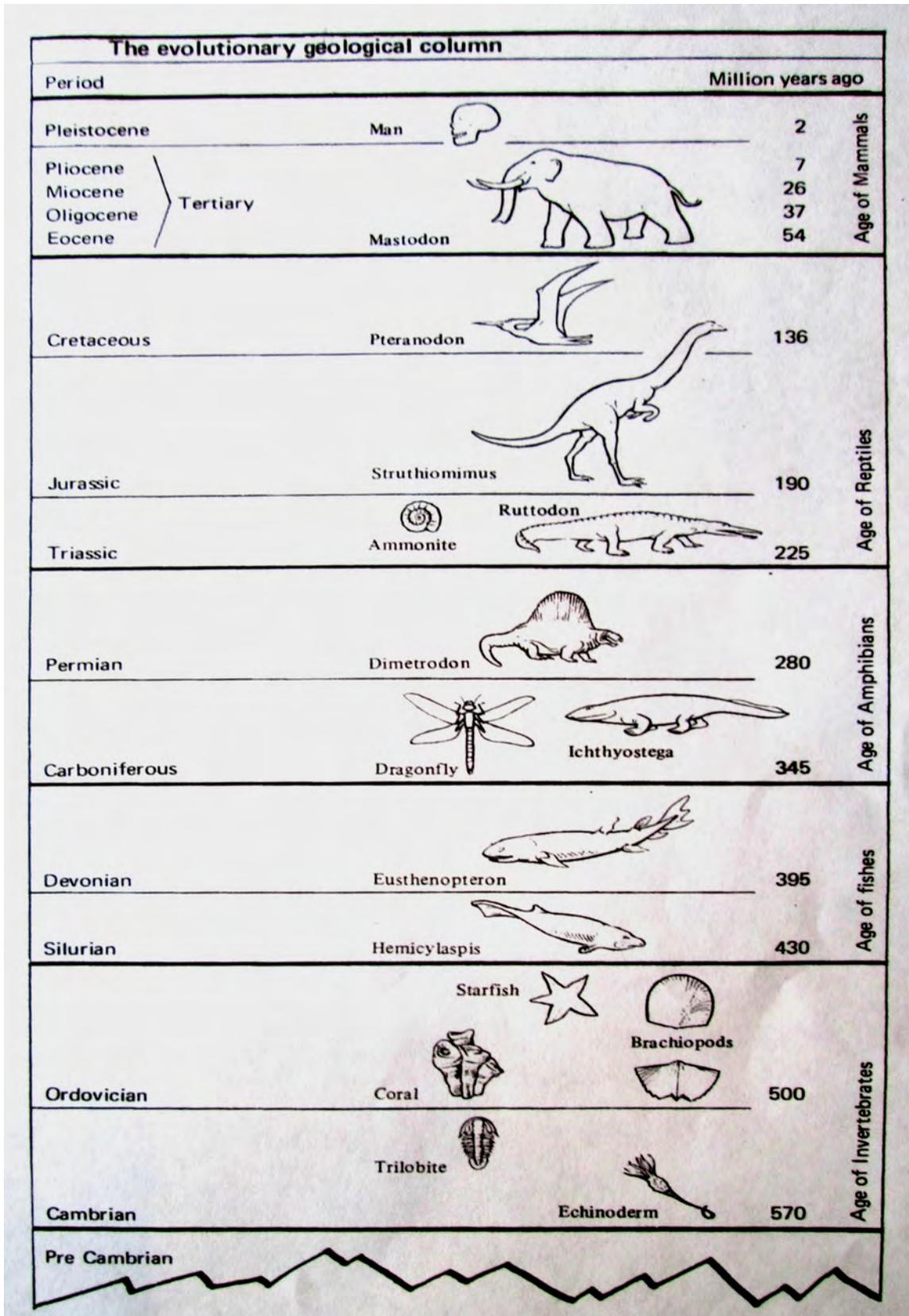
### The Scientific Method & Evolution

- > The scientific method is not an absolute form of truth but simply a means toward achieving truth. It is an investigative process consisting of three parts:
  - (1) Hypothesis (a theoretical statement)
  - (2) Observation (testing the theory)
  - (3) Conclusion (establishing the theory as Scientific Law)
- > To date, the concept of evolution still remains an hypothesis in the *theoretical* stage. It is still referred to as The *Theory* of Evolution. Observations are still taking place testing the theory. Some observations have proven negative to evolution's view. Evolution has not achieved the status of being *scientific law*, such as the Law of Gravity or the Laws of Thermodynamics.
- > Scientific investigations, per se, are tentative because all data necessary may not be known or may be incorrectly understood at the present time or at a given time in history. As new information is attained through observations, past scientific positions are often modified or refuted. Only God knows the past, present and future with absolute accuracy, since He alone is absolute and the source of absolute truth found in the Holy Scriptures.

### Intelligent Design vs. Evolution

- > *Intelligent Design* proposes that the complexity of life and life's "*symbiotic*" (*life depending on life*) relationships necessitate a creative origin of life through *intelligence*. It takes intelligence to create a watch or space station. It took intelligence to create the universe, the earth and the intricacies of life forms. Creationists maintain the creative intelligence is *divine*, namely the intelligence of God, who created everything out of nothing through His Word quickly, within a six day time frame (Genesis 1). Divine Intelligent Design opposes the Theory of Evolution which maintains that life evolved slowly through an *accidental-progressive development* over a vast period of time.

# EVOLUTIONARY GEOLOGICAL COLUMN



## RESOURCES

### Resources Consulted & Condensed into Outline Form

- > “Bone of Contention - Is Evolution True”; Sylvia Baker;  
Triune Press PTY LTD, Australia; 1998
- > “Refuting Evolution”; Jonathan Sarfati;  
Master Books; Green Forest, AR; 1999
- > “Genes, Gemsis & Evolution”; John W. Klotz;  
Concordia Publishing House, St. Louis, MO; 1955
- > “Studies in Creation”; John W. Klotz;  
Concordia Publishing House, St. Louis, MO; 1985
- > “Evolution & the Modern Christian”; Henry W. Morris;  
Presbyterian & Reformed Publishing Co., Ann Arbor, MI; 1967
- > “The Flood”; Alfred M. Rehwinkel;  
Concordia Publishing House, St. Louis, MO; 1951
- > “Early Man”; F. Clark Howell;  
Time-Life Books, New York; 1973
- > Pocket Guides - Answers in Genesis Ministries; Florence, KY
  - “The Bible” - How Do We Know It Can Be Trusted?
  - “Charles Darwin” - His Life and Impact
  - “Astronomy” - What is the Biblical Perspective?
  - “A Young Earth” - Evidence that Supports the Biblical Perspective
  - “The Global Flood” - A Biblical and Scientific Look
  - “Noah”s Ark” - A Biblical and Scientific Look
  - “Apemen” - Separating Fact from Fiction
  - “Dinosaurs” - A Biblical Explanation
  - “The Human Body” - Intricate Design Glorifies the Creator
  - “Logic & Faith” - Discerning Truth in Logical Arguments
  - “Compromise” - Refuting Non-Biblical Interpretations of Genesis 1

### Additional Resources

Answers in Genesis Ministries  
PO Box 6330  
Florence, KY 41002-6330

1-800-778-3390  
[cservice@AnswersInGenesis.org](mailto:cservice@AnswersInGenesis.org)  
[www.AnswersBookstore.com](http://www.AnswersBookstore.com)