

Origins of (Creationism) - from GENESIS chapter ones

- 1 In the beginning God created the heaven and the earth.
- 2 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 earth.
- 3 And God said, Let there be light; and there was light...

Also from PSALM 8:

- 3 When I consider thy heavens, the work of thy fingers, the moon and the stars, which thou hast ordained;
- 4 What is man, that thou art mindful of him? and the son of man, that thou visitest him?
- 5 For thou has made him a little lower than the angels, and hast crowned him with glory and honour.
- 6 Thou madest him to have dominion over the works of thy hands; thou has put all things under his feet ...

4th century BC, EUCLID, geometry & arithmetic, absolute time and space

384-322 BC - ARISTOTLE = the 4 causes: material (what)/formal (where)/efficient (when)/final telos (why)

2nd century AD - PTOLEMY, Alexandrian astronomer - sun & planets & stars move around the earth (geocentric view of universe)

1543 - COPERNICUS = DE REVOLUTIONIBUS (on the heavenly bodies) displaces PTOLEMY, earth moves around sun (heliocentric view of universe)

1632 - GALILEO = DIALOGUE CONCERNING TWO CHIEF WORLD SYSTEMS; uses telescope to observe moons of Jupiter

1686 ISAAC NEWTON - PRINCIPIA MATHEMATICA - laws of motion, universal gravity

1798 THOMAS MALTHUS - ESSAY ON THE PRINCIPLE OF POPULATION - food supply increases arithmetically, population increases geometrically *Fight ~ SURVIVE*

1744-1829 - JEAN LAMARCK = French botanist, says species are not unalterable; higher and more complex forms derive from lower and similar forms (Darwin will draw on Lamarck for inheritance of acquired characteristics)

1849- CHARLES DARWIN finishes THE ORIGIN OF SPECIES but delays publication of it; meanwhile Alfred Russel Wallace has his own version of evolution

1859 CHARLES DARWIN Publishes THE ORIGIN OF SPECIES, it has no discussion of human evolution; classifications include KINGDOM/PHYLUM/CLASS/ORDER/FAMILY/GENUS/SPECIES, Species from eidos? Plato's word for Form or Idea. Darwin writes in a letter; "It is an awful stretch to believe that a peacock's tail was thus formed; but believing it, I believe in the same principle somewhat modified applied to man."

1865 Gregor Johann Mendel, abbot of Brunn, publishes in Austria on the gene as basic unit of heredity, from experiments he made on cross-fertilization of sweet peas. Later the gene will be developed by Dozhansky & Julian Huxley into DNA theory of reproduction.

1871 DARWIN Publishes THE DESCENT OF MAN AND SELECTION ON RELATION TO SEX. Karl Marx rejoices; "a death blow to teleology!" Nietzsche writes; "God is dead."

1915 EINSTEIN - GENERAL THEORY OF RELATIVITY, inertia of energy, space is curved, e=mc2 - upsets Newtonian universe, posits expanding universe, "The most incomprehensible thing about the universe is this very thing, that it is comprehensible."

1959 PIERRE TEILHARD DE CHARDIN, Jesuit, writes THE PHENOMENON OF MAN, tries to reconcile evolution and Christianity

1997 "DOLLY", first sheep clone

J.B.S. HALDANE; "My own suspicion is that the universe is not only queerer than we suppose, it is queerer than we can suppose."

