

HISTORICAL AGE EARTH

MAIN EVENTS OF EVOLUTION - UB	THE URANTIA BOOK	URANTIA BOOK Document	URANTIA BOOK Years ago:	SCIENCE Years ago:	SCIENCE
Beginning the formation of Andronover Nebula. A little part of the Universe	In Andronover Nebula originated our sun and solar system.	57-1	875.000.000.000	13.800.000.000	The entire universe was born as a result of the great explosion of concentrated matter at one point. The Big Bang Theory
Birth of our sun.	Our sun came out of the Nebula Andronover.	57-4	6.000.000.000	4.500.000.000	The Sun was born along with the solar system of a molecular cloud collapse.
Birth of the Solar System and the Planet Earth.	Solar system separated from our sun.	57-5	A little less than 4.500.000.000	4.500.000.000	In the years 1916 - 1939 James Jeans had attheory about the formation of the solar system separated from our sun.
Final Disintegration of the Andronover Nebula.	Now the core of this nebula is a red sun surrounded by the 165 planets.	57-4	6.000.000.000		In the science the determination for terms nebula and constellation have another meaning different from the Urantia Book .
Earth had two-thirds of its current size.	Beginning of the formation of the primitive atmosphere. containing H ₂ O, CO, CO ₂ , HCl and over volcanic gases.	57-7	1.500.000.000	4.500.000.000	The atmosphere began to form from the birth of the planet and had H ₂ O, He, CO, CO ₂ , HCl.
The planet is completely covered with water.	Thousands of years was raining. Atmosphere was steam H ₂ O	57-7	1.200.000.000	3.900.000.000	The water comes from inside the planet as a result of volcanic activity. Later began rains which lasted centuries. <i>Water came in edge of asteroids – (another theory).</i>
Earth reached its current size as a result of meteor rainfalls.	The planet was signed in the heavenly records with the name Urantia.	57-8	1.000.000.000	3.800.000.000	End of intense meteoric bombardment.
First small continent.	Occupied 10% of the planet's surface. Meteoric bombardment continues.	57-8	950.000.000	1.100.000.000	Rodinia Continent.

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Beginning of the formation of true land crust.	Heavy metals settled in the center of the Earth.	57-8	850.000.000	2.000.000.000	Land Crust was formed.
Lifting the great continent. Occupies the third part of the planet.	It contained all the future continents together.	57-8	800.000.000	600.000.000	Pannotia Continent.
Fracturing of the Great Continent North - South, East - West.	Beginning of continents drifting of America and Greenland to west, Africa, Australia and Antarctica to the south and east.	57 - 8	750.000.000	300.000.000	Pangea Continent. Fractured and began drifting. Alfred Wegener Theory, 1912.
Implantation of life on the planet Earth.	Life was implanted into three shallow inland seas. Sites: Central, East and West.	58-4	550.000.000	3.600.000.000	Do not know the origin of life. First unicellular organisms are formed from organic molecules by synthesis. There are many hypotheses.
Primitive marine plant life.	Was well established.	58-4	500.000.000	570.000.000	There was marine life, chlorophyll bacteria and viruses.
Core Earth becomes rigid.	Inner core is solid. Outer core is liquid. It contains heavy metals.	41-6	500.000.000	4.000.000.000	Solid inner core - 1220 km Liquid outer core - 2270 km
Transition of plant life to marine animal life.	There were many transitional stages, new species arise without evolution by genetic mutations.	58-6	450.000.000	800.000.000	There were multicellular organisms: mollusks, worms.
Trilobites are the first multicellular animals.	Trilobites dominate the seas for millions of years.	59-1	400.000.000	450.000.000	Occurrence of Trilobites, sea urchins and mollusks.
Earliest primitive land plants and mosses.	Global Climate temperate.		400.000.000	370.000.000	First land plants.
Rise of the Himalaya mountains.	The continents are submerged and water up over millions of years, this is repeated many times in history.	59-3	290.000.000	300.000.000	The ocean invades the continents.
Oil and gas deposit.	Oil and gas deposit were derived from huge sea vegetable.	59-3	290.000.000	440.000.000	Organic carbon is converted to oil.

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Appeared the first primitive trees which had no leaves.	Continents were connected by narrow isthmus.	59-4	280.000.000	340.000.000	First trees.
Emergence of vertebrates, primitive fish.	Big fish of approx. 9m long, ancestors of sharks.	59-4	250.000.000	340.000.000	First vertebrates, primitive fish, amphibians.
First large trees with leaves. Ferns.	In Greenland there are fossils of these trees of 12m.	59-4	250.000.000	250.000.000	Emergence of ferns.
First land animals.	They lived on land and in water: snails, scorpions, frogs, insects, dragonflies, etc.. South America was connected to Europe through Africa, temperate climate around the globe.	59-5	210.000.000	310.000.000	Appearance of the first insects, spiders, scorpions, frogs.
Carbon formation.	Carbon is a residue of vegetation in marshes and swamps.	59-5	From 225,000,000 to 180,000,000	From 359.000.000 to 255.000.000	Carbon originated in swamps and lagoons. It is the product of the decomposition of vegetation.
Climate change.	It started freezing and aridity.	60-1	170.000.000	170.000.000	Dry climate. Iraq's Ancient texts say that "Climate change is cyclical and cosmic".
Plants with seeds.	Best food source for future land animals.	59-6	170.000.000	350.000.000	First seeds found in fossils.
Early transient primitive reptiles.	Reptiles evolved in Africa. They died soon.	60-1	170.000.000	325.000.000	The reptiles originated from amphibians.
O2 in the atmosphere improves, allowing the best breathing for the reptiles.	There were bridges among all continents, which favored the displacement of reptiles.	59-6	170.000.000	400.000.000	The atmosphere had enough oxygen for breathing animals.
Extension of marine species by climate change. Severe weather was developing at a rapid pace.	There were 100,000 marine species; only 500 of them survived in the climate change.	59-6	170.000.000	160.000.000	Large groups of animals disappeared as trilobites and armored fish.

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Reptiles developed.	Evolution of dinosaurs, crocodiles, snakes, flying reptiles.	60-1	140.000.000	160.000.000	Evolution of dinosaurs.
First mammals without placenta.	These mammals soon disappeared.	60-1	135.000.000	220.000.000	Without placental mammals appeared, had teeth, laid eggs or embryos were underdeveloped.
At sea ammonites evolved from cephalopods (marine molluscs)	These species were transient, there were 1,000 species of ammonites which are large-shelled snails.	60-1	130.000.000	170.000.000	Appearance of ammonites. 65,000,000 since disappeared years ago.
Dinosaurs inhabited the earth.	Their fossils are found in Europe, North America, Africa, India, but not in Australia.	60-2	120.000.000	120.000.000	There were dinosaurs on land and at sea.
Flowers marine life. Age of the dinosaurs par excellence. New types of fish, such as sturgeon.	Two species of dinosaurs came to live in the sea, sea snakes were fierce. This was a step back in evolution.	60-2	110.000.000	110.000.000	Age of the dinosaurs.
Start gradual disappearance of dinosaurs.	Almost all species disappeared 60 million years ago, they had no brains, so they could not feed their large bodies.	60-2	100.000.000	65.000.000	Disappearance of dinosaurs by the fall of a meteorite in Mexico.
Appearance of terrestrial flowering plants and fruit trees.	Magnolias, tulips, figs, breadfruit trees, old palms.	60-3	90.000.000	65.000.000	Flowering plants.
End of continental drift. The American continent found a great obstacle in the bottom of the Pacific Ocean.	This caused great disturbances in Americas and Asia. Ranges were lifted from Alaska to Cape Horn.	60-3	Drift Start 750.000.000 Drift End 75.000.000	There is no information about the end of the drift.	The theory of continental drift was offered in 1912. <i>The theory of plate was offered in the years 1950 – 1960.</i>
Age of volcanic activity around the globe.	Elevation of the Rocky Mountains. Much of Europe, Asia, Siberia, and the Himalayas were submerged in water.	60-3	70.000.000	70.000.000	Formation of the Rocky Mountains. The sea invades America and Africa.
Emergence of modern trees. Large eruptions of lava.	Beech, birch, oak, walnut. Arctic Climate was temperate.	60-3	65.000.000	20.000.000	Emergence of deciduous trees.

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Appearance of the first species of birds.	Araisen from reptiles: a small bird like a pigeon. Period of decline of the reptiles.	60-3	55.000.000	140.000.000	Flying reptiles. The first birds were formed from reptiles, had teeth.
Large marine invasions of continents.	In North America there were 24 major floods.	60-4	55.000.000	50.000.000	Advancement of the seas in Europe. Volcanic activity.
Primary placental mammals in North America.	Mammals developed a small dinosaur that survived the decline.	61-1	50.000.000	50.000.000	Appearance of mammals. <i>They found a fossil mammals in China 165,000,000 years ago - another source.</i>
The development of large bird ancestors. Kangaroos in Australia, horses, lemurs, squirrels, etc.	Fandores were birds that carried humans. They became extinct 30,000 years ago.	61-1 66-5	45.000.000	45.000.000	Whales appear and various fish such as today.
Global domain of placental mammals.	First primitive mammals became extinct.	61-2	35.000.000	160.000.000	Small mammals appear. 5100 known species.
Modern placental mammals on land and sea.	Elephants, whales, dolphins. North American Lemurs were primitive human ancestors.	61-2	30.000.000	15.000.000	Sharks and large elephants.
Bering Bridge rose again.	Migrating animals from Asia to North America. Greenland was covered with tropical plants.	61-3	20.000.000	20.000.000	Seas are removed. Appear Mediterranean and Himalayas.
Appearance of the first monkeys and gibbons in Asia. They were not ancestors of the human race.	A bridge between Spain and Africa was risen. Iceland land bridge to America was immersed.	61-3	15.000.000	10.000.000	Appearance of the first apes or monkeys. <i>Appearance of apes 70,000,000 years ago - another source.</i>
Last great migration of animals.	Whole Earth rejoined by the bridges, only Australia was isolated. Age of horses and elephants.	61-3	10.000.000		No records information about animal migration.
Bridges among continents were submerged.	The weather was cooling gradually. The plants were moved to the south.	61-4	5.000.000		No information is logged at all.

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Start of snowfall in northern parts, to 6000 meters height.	North America and Europe rose on a large scale. Ocean currents and stationary winds changed the direction.	61-8	3.000.000		No information is logged at all.
First glacial period.	North America had two centers of ice accumulations. It was not extensive in Europe and Asia.	61-5	Beginning 2,000,000 Retirement 1,500,000		Science knows only four glacial periods.
Second glacial period.	It was not extensive in Europe or Asia. Many animals became extinct in North America.	61-5	Beginning 1.500.000 Retirement 1.250.000		No information.
Third glacial period.	It was very extensive in North America, Europe and Asia.	61-6 64-4	Beginning 1.000.000 Retirement 900.000	From 2.700.000.000 To 2.300.000.000	First glacial period.
Fourth glacial period.	The Mississippi river moved 80 km to the west. The ICE came to South Asia and reached the Alps in Europe. It was the greatest of all.	61-7 64-4	Beginning 750.000 Retirement 650.000	From 850.000.000 To 650.000.000	Second glacial period.
Fifth glacial period.	It was not extensive in Europe. In North America the ICE dropped from 3 centers of ice accumulations.	61-7 64-4	Beginning 550.000 Retirement 300.000	From 460.000.000 To 430.000.000	Third glacial period. The entire planet was under snow. "Earth - snowball"
Sixth glacial period.	The largest of all previous in North America. The ice moved 2,400 miles to south. By withdrawing the Great Lakes were formed in North America.	61-7	Beginning 250.000 Retirement 50.000	From 110.000 To 10.000	Fourth glacial period.
Receding last glacial. It lasted 100,000 years.	Polar layers were formed in the Arctic and Antarctic. The temperate regions of the world have existed a little more than 50,000 years.	61-7	From 150.000 To 50.000		The polar caps have existed for millions of years.

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Birth of the first human. Race Andonic.	The first primates animals human twins were born in Asia. Their direct descendants are Eskimos.	63-1	993.498 for the year 2013	2.500.000	First monkeys erectus in Africa.
Birth of six colored races in Asia.	Children Sangik: 5 Reds, 2 Orange, 4 Yellow, 2 Green, 4 Blue, 2 Black.	64-5 79-1	500.000		Scientists do not agree on the makeup of the planet. There are several theories.
Race Nod.	Its founder was Nod, lived in the "Land of Nod". His blood had Andonite a modified DNA.	77-2	200.000		No information is available.
Adamic race, or Violet race. They are descendants of Adam and Eve.	Semi material beings, Adam and Eve lived on the planet only 530 years or so.	74-1	About 38,000 Adam and Eve arrived		The existence of Adam and Eve semi material beings is not recognized.