

The beginning. Well we do not know when the beginning was. In fact there is very much we do not know and it is much more than what we know. And what we thought we knew sometimes we find out that is not true. Well nice and simple here we thought everything was just made up of the smallest particles called atoms but later we discovered that atoms themselves were made up of smaller things. And those smaller things may not even be a particle but rather a form of energy or a dimensional vibration of sorts. And we have also discovered that 94% of the universe is made up of dark matter but we don't know what that is. Or it may not be matter at all but some kind of energy or field. What? Yes. So I made the point that we assume what we know is true but that isn't necessarily so.

OK back to the beginning. The earliest something that happened has been traced to 13.8 billion years ago. It was a huge explosion that has been scientifically studied for many years. It appears that our present Universe and our part of the galaxy was created then. There have been several generations of stars which formed the elements from which our planet was formed from. Our sun ignited about 5 billion years ago (bya) and our Earth coalesced from matter about 4.7 bya. It took another 2 billion years for the Earth to acquire oxygen and settle down with continents and oceans somewhat what we know now. Somewhere about a bya life spread around the planet first as cells without nuclei then with nuclei then as bacteria, then as sponges and fungi then as corals in oceans. Fish appeared about a half a bya, About 300 million years ago (mya) came reptiles and dinosaurs. Dinosaurs suffered an extinction 65 mya because of an asteroid hit. There have been 5 mass extinctions of life on our planet. Birds appeared 190 million years ago, then mammals about 160 million years ago. Flowers and bees as we know them only appeared 100 mya. Primates appeared only about 10 mya. All this time no humans. Mankind as we know him only appeared 300,000 years ago (tya) which is about 15,000 human generations.

If a clock face represented all of history, only the last second would represent all human history. So what happened during all of this time? The area that is now Michigan was first molten rock, then barren land, then covered with shallow seas of water, then covered with tropical plants, then ice and continued to vary greatly. Also Michigan is on a ride setting on top of the North American tectonic plate which floats on the earth's surface with plasma and liquid rock underneath it. Our **Laurentian North American Shield** became part of many other continents: Around 1.8 bya, we were part of the major supercontinent Columbia, Around 1.3 bya was an independent continent. 1.3 bya part of [Protorodinia](#) 1. bya part of [Rodinia](#), 750 mya [Protolaurasia](#) 600 mya part of [Pannotia](#), around [Cambrian](#) 541 mya it was an independent continent, Around [Devonian](#) 419 mya it collided against Baltica, forming supercontinent [Euramerica](#). Around [Permian](#) 298 mya all major continents collide against each other for forming the major supercontinent [Pangaea](#). Around [Jurassic](#) 201mya Pangaea rifted into two minor supercontinents: [Laurasia](#) and [Gondwana](#). Around [Cretaceous](#) 145 mya Laurentia was an independent continent called North America. Also during the above millions of years the location on the surface varied greatly and went from being on the equator to being where Antarctica is now and the temperatures, oxygen levels and CO2 levels varied greatly. Michigan went from Temperate to excessively hot and from tropical forest to barren land and from many times being sea covered to becoming covered with glaciers. The Earth has also been an ice ball. There actually may have been more than 5 major extinctions of virtually all life on the planet. Wow what a ride! And it hasn't stopped and will repeat. Man may trigger his own extinction with a nuclear exchange. It is on a hair trigger. Even the very rich with their big secret underground bomb shelters will not escape the bacteria who are becoming resistant to all of our antibiotics. Think about that. We know that the Earth will be toasted to a cinder as our sun eventually dies as all stars do. All of human history doesn't even amount to 1 second on the face of all history preceding him. So there is the 13 billion year history that precedes mankind. We are at a mid point in time, (Today) and a mid point in size (compare us to galaxies and atoms), and science has now discovered that there are at least 10 dimensions of which we only exist in the first 4. The others are by our current science out of our grasp.