

# The Age of the Universe

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One of the distinctions between humans and animals is that people feel the need to measure everything, including time. All measurement is based on the existence of three things in our physical universe: charge, mass and space. The measurement of time is accomplished by observing and quantifying the interaction of these three fundamental properties.

Time is always measured by motion in space, as governed by either mass or charge, or by a combination of the two. All clocks are based on motions governed by the forces generated by these two.

In the beginning, God decreed that we should use clocks *He* made and that are controlled primarily by mass, which generates the force we call gravity (1). The motion of the earth and the heavenly bodies is very regular and is governed by the gravitational force which is generated by mass. Man-made clocks, such as those with a pendulum or those using a fluid such as grains of sand or water, are primarily governed by gravity.

Mankind has discovered that clocks can also be made utilizing the fundamental property of charge which gives rise to the electrical force. This force is unimaginably stronger than gravity. Early examples of this kind of clock are those which use the tension of a spring to govern the regular motion of a wheel. The electrical force between the atoms of the spring control its tension. The old ticking alarm clock or old-fashioned wristwatches are common examples. Modern versions use the motion of atoms to measure time. Digital clocks of all kinds use the vibrations of a crystal which are accurately counted and displayed by sophisticated electronic circuits. The vibrations of the crystal, like the tension of a spring, are controlled by the electrical force between its atoms.

Over relatively short periods of time, such as a few human lifetimes, clocks based on the electric force enable us to measure time much more accurately and consistently than with clocks controlled by gravity. Modern cesium beam atomic clocks are accurate to less than one second in 300 years as measured today. For this reason, the basic unit of time has been redefined in 1967 by vibrating atoms rather than the motion of the earth. This high short term accuracy does not guarantee that a cesium beam clock would not have run measurably faster 300 years ago than a clock controlled by gravity.

Over longer periods of time clocks controlled by gravity are consistently stable, while there is increasing evidence that clocks based on the electric force have drifted and are continuing to drift, gradually slowing down. The mathematical equations describing gravity do not have any time element in them, whereas the equations and formulas describing atomic behavior and forces do contain a time factor which is inversely related to the speed of light.

There is little in nature which is linear, so the slowing down of these clocks is no exception. There is evidence that the speed of light has slowed down with the passage of time. This would affect all clocks that use the electric force. Scientists today tell us that the universe may have begun with something that has been labeled "The Big Bang". This is very much like what we read in the first verse of the Bible, a sudden creation event. At what Christians consider the beginning of time, the beginning of God's creation, all atomic clocks would have run incredibly fast, as much as 100 to 300 million times faster than they are running today. If Abraham had found a modern watch, it would have still ticked off time almost 2 million times faster than it does today, if the watch were physically capable of doing so without breaking.

When scientists attempt to tell us how old a rock, a fossil or a piece of coal is, they use the atomic clock as evidenced by radioactive decay. Their assumption is that the atomic processes which control this decay have always run at the speed at which they are observed today.

Based on this faith in the constancy of the atomic clock throughout the ages, scientists today tell us that a given rock or fossil is billions or millions of years old. The word "assume" is a scientific way of saying "believe", an act of faith. The Apostle Peter assails this uniformitarian belief as one of the characteristics of the final time of history before the return of Jesus Christ (2). It is this assumption that is the bedrock foundation of the theory of evolution held by the majority of secular scientists today. Evolution must have large amounts of time in order to work.

Scientists recognize a creation event which has been labeled "The Big Bang" but fail to understand that its timeframe according to the atomic clock and the gravitational clock are vastly different.

Shortly after that beginning time, a beam of light would have crossed the entire universe in a fraction of a second. Therefore the propagation speed of light in the early universe was incredibly high. As the universe expanded, the speed of light dramatically slowed.

Light is generated by atoms whenever they are energized by heat or other means. Each of the elements in nature has a specific light pattern. When scientists attach a prism to a telescope they can measure the vibration rate of the various atoms that make up distant stars and galaxies. This pattern, called a spectrum is the same for each element, regardless where in the universe the atoms of that element are stimulated to produce light.

In 1929 an astronomer named Edwin Hubble analyzed the light from distant galaxies and observed that although the patterns of each

element was the same as here on earth, all of the patterns were shifted toward the red end of the spectrum. The further away the light source, the greater this red shift. He tried to think of a cause of why this should be so. If you have ever stood by the side of a railroad track, you may have observed that the train's horn has a higher pitch when the train is coming towards you and then a lower pitch as the train moves away. This is known as the Doppler effect which not only applies to sound, but also to light and radio waves. A policeman's radar makes use of this, by comparing the frequency it sends out with the frequency that bounces back from the moving car. This difference is a measure of the speed of the vehicle.

Therefore Hubble made an assumption (believed) that the distant sources of the light are moving away from the earth and each other at astonishing speeds. According to this assumption, the further away a galaxy is from us, the faster it is moving away from us. From what he knew at the time, this was not an unreasonable assumption.

In 1977 astronomer named William G Tifft at the University of Arizona tossed a very big monkey wrench into the assumption that Hubble had made and that is still stubbornly held onto by mainstream astronomers, despite the evidence to the contrary. By making careful detailed measurements of this red-shift observation, he was astonished that all red-shifts occur in little jumps. This is known as the quantized red shift. When any object accelerates, whether an automobile or a galaxy, such movement is always smooth and does not occur in instantaneous little jumps. Therefore the red shift must be due to something other than motion. Since many atomic phenomena also are quantized, that is occurring little jumps, it can be inferred that the emission of light from the atoms of a distant galaxy would also be quantized. Since the "Big Bang" theory came into being because of the supposed motion of the galaxies, this mechanism of rapidly moving

galaxies no longer exists and cannot be used to support the Big Bang theory. With the death of the Big Bang the immense periods of time for evolutionary theory to operate also disappear. There is however other evidence that the universe expanded from a tiny point smaller than the period at the end of this sentence. God tells us that he stretched out the heavens. (Isaiah 42:5)

Others have worked hard to refute Tiff's observations but instead confirmed them to greater accuracy because of better equipment 20 years later. Because of their belief in evolution, most scientists still ignore or work to suppress these data. This is a modern example of the outworking of Romans 1:18.

Given this evidence of ancient light waves arriving to us from the distant corners of the universe, it is possible to calculate the decay curve of atomic clocks. If this decay curve is applied to the biblical timeframe, then the millions and billions of atomic years that scientists tell us about are in amazing agreement with the gravity years as given in the chronology of the Bible.

In the book of Job, we read the description of animals, specifically reptiles, that are like our modern models we have of some dinosaurs. Scientists, using the atomic clock, tell us that the dinosaurs went extinct about 65 million

years ago after some great catastrophe. If we apply the mathematical decay curve of atomic clocks to gravity time, that time comes out to the time of Job and his immediate ancestors, who were alive only a few centuries after Noah's flood. Thus Job was alive when there were still some dinosaurs with him on the earth. From his book we can certainly tell that he was quite impressed by their size and strength.

Therefore, if time is measured by electric force, then the billions of years are the same amount of time as is measured by the gravitational clock, which comes out to about 6000 years, that is to say 6000 orbits of the Earth around the sun. It is because of the existence of the theory of evolution, a relatively recent theory, that scientists insist on believing by faith that the atomic clock they use to measure time has never changed from the beginning of creation.

In essence then, the age of the universe is the same; only the clocks, one based on charge, the other based on mass are different. Scientists base their dating of ancient events on the atomic clock which is controlled by charge. The clock controlled by gravity has been used by the rest of humanity for millennia as given by God through the motions of the earth and the planets. This gravitationally controlled clock is still the one we order our daily lives by.

#### **Bible references:**

1. **Genesis 1:14-15** : And God said, "Let there be lights in the vault of the sky to separate the day from the night, and let them serve as signs to mark sacred times, and days and years, and let them be lights in the vault of the sky to give light on the earth." And it was so.

2. **2 Peter 3:3-8** : **3** Above all, you must understand that in the last days scoffers will come, scoffing and following their own evil desires. **4** They will say, "Where is this 'coming' he promised? Ever since our ancestors died, everything goes on as it has since the beginning of creation." **5** But they deliberately forget that long ago by God's word the heavens came into being and the earth was formed out of water and by water. **6** By these waters also the world of that time was deluged and destroyed. **7** By the same word the present heavens and earth are reserved for fire, being kept for the Day of Judgment and destruction of the ungodly. **8** But do not forget this one thing, dear friends: With the Lord a day is like a thousand years, and a thousand years are like a day.