Hubble’s Age of the Universe

by Floyd R. Cox  (Revised 2-29-2016)

It's hard to talk about “the time of the end” until we first discover the “time of the beginning”.

I believe the rabbinical society considers 2015 as year 5776 "After Man" (A.M.), after the beginning of the Jewish rabbinical calendar in 3761 BC. However, the rabbis had removed three jubilees (196 years). They removed 60 years between Abraham and his father (70 instead of 130), and they removed 136 years for the date of the first temple (832 BC instead of 968 BC), and creation should actually be in 3957 instead of 3761 BC (3957 - 196 = 3761).

In contrast, the King James Version of the Bible creates a 251-year pattern with 251 years times 7 from Adam to the fall of Babel, 251 x 8 from Adam to Abraham’s birth, 251 x 9 from Adam to Joseph’s birth and 251 x 10 from Adam to the Exodus (Found also in Ussher’s Annuals of the World). Then it inserts 479 years from the exodus to Solomon’s temple founded in his 4th year likely in 968 BC (1 Kings 6:1). By calculating backward, this would place Adam’s first year in 3957 BC (968 BC + 479 + 2510 = 3957 BC). There would be 251 years from the exodus to the temple if the 111 years of oppressions were contemporary with the 339 years of judges (479 – 251 = 228) (339 – 111 = 228).

19-Year Calendar

A proleptic calendar of the Babylonian Era of Nebopolasser can be used to restore its 19-year cycle from 747 BC back to 3957 BC.

The Book of Jubilees says Adam lived 930 years and died in the 19th jubilee, in the 931st year. 3761 BC is 118 jubilees (49 x 118) before 2022 AD, and this would define 2015 and 2008 as regular sabbatical years not followed by the jubilee year. 2022 AD is 122 jubilees after 3957 BC.

The 19-year cycle has a new moon that is 29.5305 days before the end of every 19 years. The eclipse cycle repeats every 18 years plus 11 1/3 days (234 moons). Nineteen years equal 235 moons.

Theory One: The First Week

During the creation week, light already existed during the first night and first day. This seems contrary to the statement that two great lights were created on the fourth day to rule the day and night, that is, until we understand that it was the calendar that was created on the fourth day to rule or track the days, new moons, full moons, seasons and years.

Rabbi Maimonides implied that the sun, moon and stars were aligned (in conjunction) on the fourth day of creation week, and Adam would have seen the first crescent of the new moon on the sixth day, when he was created on Friday. Maimonides also claimed that was on the first day of the seventh month, in the fall of Tishri, 3761 BC. He said the first five days were in the previous year of chaos, but he didn’t imply that the year actually began six months (177 days) earlier, in the spring of 3761 BC.

In the Beginning

Calculating the beginning of the universe seems to be far beyond ministers’ “pay grade”, and their approach is similar to playing "gotcha". Just pretend you really know what you are talking about; They'll never find out if you can sell things that are not tangible. And science also fails us. We have to take their word for it.

No, we cannot support the "young earth theory" (3761 or 3957 BC) unless we can also accept a "young universe theory", and we should not apply one set of rules to the earth and another set of rules for the universe.

No, we cannot accept the "young earth theory" (where the chicken came before the egg) if we also support the idea that everything slowly evolved from a "Big Bang". I resist the idea that the entire universe exploded like an H-bomb from a single point in space and then would eventually collapse back into that same point renamed as a "black hole" (as in TABLE 1).

Nobody has calculated or located where that point is. It definitely was not where the observer is in our galaxy. This proves it is just a theory:

TABLE 1. The Size of the Universe

TABLE 2. Expansion of the Universe

Distance of Galaxies from the Observer

Hubble’s Law says that, if a distant galaxy is twice as far away as a closer galaxy, then the distant galaxy is traveling twice the speed away from the observer than what the closer galaxy is traveling. So the above table 2 illustrates how many billions of light years galaxies are from the observer. If two black holes merged and exploded 1.4142136 billion light years away, the giant gravity wave created would take 1.4142136 billion light years to reach us.

Evidence of a Designer

Time has an interesting, hidden relationship with our three-dimensional world of height, width and depth. It’s called geometric progression. Repetition, pattern and design become evidence of a Designer.

To understand how matter and space are related to time, we need to study geometric progression.
One reader responded to TABLE 1, saying…

“Einstein tells us that even if two light-emitting objects are each moving away from each other at nearly the speed of light, there would never come a point light from one could not reach the other. You can never add two velocities together and come up with a velocity greater than the speed of light. So, galaxies, regardless of how fast they're moving away from us, will never disappear from our view. (They could become too faint to see, but would not disappear because their light is too slow to reach us).”

This reminds me of a joke I’ve heard recently: “If my car could go the speed of light, would my headlights still work or just get dimmer?” Some have been notorious about drawing conclusions before getting all the facts. On the other hand, a crisis manager often says, “I can’t comment on that at this time because it is still being investigated.”

Several theories on the age of the universe are covered on a YouTube video here.

### Hypothetical Speed of Light

We can use triangulation to measure the distances between two galaxies (as in TABLE 1). The radius of a circle can be placed exactly three times around half a circle (as in TABLE 1), and this means we could divide half the universe into three equal parts. Then we could use light years to measure the distances of galaxies at points A, B, C, D & E and distances of galaxies at points 1, 2, 3, 4, & 5 (as in TABLE 1).

Here is a hypothetical view: Let us assumes we’re on a rocket blasting off at the very instant an H-bomb explodes and we have onboard a telescope powerful enough to observe the bomb from our rocket. In this case at the speed of light, we could constantly see the bomb being ignited. Moreover, if we traveled faster than light, the bomb would shrink back down to nothing and appear to go backwards in time.

In TABLE 1, if an H-bomb on a planet located ½ light year away, in a galaxy at point D which is stationary and not receding from our galaxy (the Milky Way) at point 3, then the light of that bomb would not reach us for ½ of a light year, and, with a hypothetical powerful telescope, we would see things at point D that happened ½ light years ago.

### Galaxies Not Stationary

However, Hubble (who discovered galaxies) proved that, if one galaxy is twice as far away as another galaxy, it would, therefore, be moving twice as fast away from us (in the Milky Way). Half of that speed is between our galaxy and the nearer galaxy and half the speed is between the nearer and farther galaxy. In this case, by the time light arrived from point D, our own galaxy would have moved to point 4.

This is based upon the expansion of the universe in all directions, and the red shift between the observer’s galaxy and the farthest galaxy does not imply the two galaxies once began with a Big Bang, at the same point like a rocket.

### Theory Two: Hubble’s Law / Red Shift

Because of the effect of dark matter pushing galaxies apart, every galaxy in the observable universe is traveling away from every other galaxy in our observable universe. Every point in the universe is likely that way. An exception would be in the case another unobservable universe is invading our observable universe.

To solve the mystery of the size of the universe, we must engage all four dimensions: horizontal, vertical, depth and movement through time. A policeman knows how fast your car is coming toward him by checking the shorter wavelengths bounced back to him from his radar gun in a specific amount of distance and time.

Likewise, a horn moving toward us has a higher pitch because the sound wavelengths become compressed and shorter. While moving away from us, the wavelengths become uncompressed and longer, with a lower sound pitch. This is called the Doppler Effect.

Astronomers can detect how fast a galaxy is receding away from an observer (in our galaxy) by observing the red shift of the receding galaxy. From our position, a galaxy’s spectrum (wave length) becomes increasingly more reddish as it approaches the speed of light, 186,000 miles per second. Therefore, galaxies with the most red shift define the outer edge of the observable universe and are unobservable farther out.

If one side of the observable universe were presently being sucked into a black hole, that side being sucked in could appear to be red shifted when observed from a galaxy at the other side of the observable universe, and the observer’s galaxy would appear to be red shifted when viewed from the other side. In the real world, if we traveled to a galaxy receding from us at the speed of light (with a red shift), we could (after arriving) look back to see our galaxy receding from us at speed of light (with a red shift).

However, as we approach our new position on the other side, we may be able to view more of the universe, which was out of range from our original location.
This becomes a huge problem in determining where all galaxies may have evolved from a “Big Bang”. Since it could be anywhere; So it is just a theory.

We could compare the edge of the observable universe to looking over our earth’s horizon with a telescope. In Alexandria, Egypt, they had discovered the world was round in about 300 BC, and they noticed that, when a ship disappeared over the horizon, over of the sea, they could climb their 400-foot tower and still see the ship. If they had a powerful telescope in Egypt, which they didn’t, there was an unobservable world beyond the horizon, that is, unobservable from ground level in Egypt.

**Theory Three: The Big Bang Misconception:**
**Galaxies Like Rockets (Not Faster than Light)**

Again, if two light-emitting galaxies were sent out at the speed of light after a Big Bang, they would never reach a place where one could not receive light from the other. In TABLE 1, they would receive light from the other at points B-1, C-2, D-3, and E-4.

However, if a message were sent by laser from point D to an observer in a Milky Way galaxy (point 3), the light would arrive in one-half of a light year. According to the expanding universe theory, by the time the light would reach the viewer, the observer would have continued to recede to point 4.

In the Big Bang view, this example can be extrapolated to show that some galaxies we see at the edge of the observable universe are much farther away by now, and some will disappear because they are allegedly too far from the viewer, farther than light can travel to reach the viewer's position. Light leaving point E will never reach a viewer at point 4 because the two points are beginning to separate beyond the distance light can travel that distance. Moreover, an observer in a galaxy located at point E, can theoretically see another 13.75 billion light years of distance, which the observer at point 4 cannot see. Again, we could compare the edge of the observable universe to looking over our earth’s horizon.

**The Fourth Dimension and Black Hole Paradigm**

Creationists and evolutionists agree that everything had a beginning, and all things came from an Intangible Realm. Perhaps they evolved from a Big Bang, which allegedly happened about 13.75 light years ago. This is allegedly when galaxies were like rockets shot out in every direction.

If the universe reaches its fullest expansion and begins to collapse back toward its original spot of the previous Big Bang, that location would then appear to transform into a Black Hole. But what if the Big Bang and Black Hole were stationary, and only the galaxies were moving? To an observer at position 3 in the above chart, all the galaxies would appear to be receding faster and faster as if they were being sucked into a black hole, allegedly the location of the original Big Bang (II Pet 3:10-13). However, If we were located near the black hole, our original location in our Milky Way Galaxy would appear to be turning reddish and also appear to being sucked into a black hole. It would be an illusion.

This does not explain how our closest galaxy, Andromeda, has a blue shift as a result of its coming toward our galaxy, the Milky Way. Again, a galaxy's wavelength shortens and becomes bluer as it (like Andromeda) comes toward the observer.

**Caution: Galaxies are not Rockets**

First, the expansion of the universe is not a rocket science. Allegedly, there is “dark matter” pushing the galaxies apart. Dark matter is not rocket propellant, but more like smoke expanding in a glass jar… except the universe is assumed to be without boundaries, and we cannot assume that two galaxies originally came from the same point in space like rockets.

Einstein’s logic merely covered the obvious: If a light-emitting object moved at the speed of light away from another light-emitting object that was stationary, there would never come a point when light from one object could not reach the other. This is obvious. In one light year of time, the two objects would be one light year of distance apart. This is rocket science and is obvious.

However, if two light-emitting objects moved away from each other both traveling at the speed of light, they would separate two light-years of distance in just one light-year of time.

**Theory Four: The Edge of the Observable Universe**

As TABLE 1 alleges, we can only see 13.75 billion light years of distance, as far as the edge of the observable universe, and the observer’s on earth are located within the Milky Way galaxy. According to the Big Bang theory, our view is limited to the distance light can travel in 13.75 billion years since the Big Bang. We assume that, after galaxies ascended from the Big Bang like rockets, they can never travel faster than light.

Therefore, as in TABLE 1, if the universe allegedly came from a Big Bang, then that location of the Big Bang becomes the center of the universe, not the location of the observer. The Milky Way is unlikely at the same location where the Big Bang allegedly originated.
Diameter of 93 Billion Light Years (28 Megaparsecs)?

What is my view on the age and size of the universe? Science has discovered red shift, blue shift, and what Dinosaurs ate in the spring and fall during their time.

Hubble's Law shows that the farthest galaxies are vastly more than 6,000 light years away from us. It is evidence that the universe with all its cycles and recycles has been around almost endlessly. The following link explains why the universe may have existed endlessly: [http://phys.org/news/2015-02-big-quantum-equation-universe.html](http://phys.org/news/2015-02-big-quantum-equation-universe.html)

A black hole in a galaxy attracts and digests stars and disperses them as particles, magnetic plasma, gravitational waves and light waves, which might combine and form into other new solar systems.

In the "balloon theory", how are galaxies inside the “balloon” expanding and coming toward us while other galaxies in it are receding away from us? Andromeda is coming toward us and has a blue shift.

Another assumption includes the time it took after the alleged Big Bang for matter to develop into galaxies and send light toward our present location and how much farther out would the faster ultra violet light rays have traveled by now if they traveled at light speed, faster than the farthest visible galaxy.

Based upon this theory, some have defined the diameter of the observable universe as 93 billion light years (28 megaparsecs). This would demand that we include the farthest distance light would travel since the Big Bang and include how far it would travel after reaching the observer.

Others say the edge of the observable universe is 13.75 billion light years from the viewer in every direction implying that the Big Bang occurred at the location of the viewer or where our galaxy is in TABLE 1. This would make the observable universe 43 billion light years in circumference (13.75 x 3.124).

Another view is that, as in geometric progression in TABLE 2, everything becomes smaller as they recede and vanish into the distance. Perhaps this would cause the closer, longer red waves to turn into compressed, shorted blue waves in the distance. More research is needed.

The bottom line is that the above examples tend to support the idea that the universe contains various cycles perhaps without end as covered in the following link: [http://phys.org/news/2015-02-big-quantum-equation-universe.html](http://phys.org/news/2015-02-big-quantum-equation-universe.html)

A Higher Realm

What really boggles the mind is that, if the universe is so large, why would a Higher Realm intervene in our lower, earthly realm on specific dates of our lunar-solar calendar?

Jerusalem’s temple was burned twice, both times on the same day of the week (Sunday), on the same day of the month (Av 9). Jerusalem was plowed twice, both times (on Av 9). Jews were ousted from Spain in 1492 (on Av 9).

The second temple was founded on Keslev 24, 520 BC, and sacrifices were cut off by Antiochus on Keslev 24, 168 BC, and were restored after Keslev 24, 165 BC, on the day before Hanukkah. Some believe Christ was conceived (not born) on Hanukkah, on December 25, in 5 BC. At conception, he became the Chief Corner Stone and Foundation of a third temple, the Christian era that was rejected.

On Hanukkah, Jewish families placed ice-cycles in windows, made treats for children and honored things that were still green in the midst of cold winter nights (as in Revelation 22:2). Some confusion has likely evolved from the fact that many languages have the same word for “conceived” and “born”.

The second temple was founded 64 sabbaticals after the first temple was founded, that is, 49 years after Nebuchadnezzar became as a wild animal for seven years. Solomon founded the first temple 427 sabbaticals after Adam. Abraham was called 427 years (61 x 7) after the flood, 427 years before the exodus. He was first called in Ur, 430 years before the exodus (Acts 7:2; Ex 12:40) before he dwelled in Haran, where his father died.

The Bible speaks of “the Most High” in a Higher Realm and spirit beings having the power to intervene in world affairs. These exist in a realm that is permanent, incorruptible, and not subject to decay, a realm that will continue to exist after the corruptible world dissolves (II Peter 3:11).

Synchronizing our Watches

The bottom line is that, if we want to feel close to the Higher Realm, we must synchronize our watches. Ours might be wrong. That Realm knows that:

1. Jupiter orbits the sun 36 times in 427 years (http://code251.com/code427-p13.html), that is, in 61 sabbaticals, that there were 61 x 7 sabbaticals between Adam and Solomon’s temple. But our watches might say that 10 orbits of Jupiter take 120 years and that 40 orbits take 480 years.

2. Venus orbits the sun 152 times in 243 years and 157 times in 251 years (For more details on Venus crossing the sun every 243 years and 251 years, Google for "venus orbit" “251
3. Time is divided into sevens. There are 52 weeks in a year with 1.24219 days left over. This remainder adds up to 52 weeks in 294 years, in six jubilees (42 sabbaticals) (294 x 1.24219 = 365.2).

4. If our calendar has 365 days per year, it will need to add one day every four years or one week every 28 years to make each year to average 365.25 days, but the calendar will still be one day too long every 128 years.

5. The spin of the earth slows down only about one second in 50,000 years and is very precise. The Higher Realm knew the calendar began with Adam, which was likely corrected every 128 years, 12 times between Adam and when Noah was 480, i.e., 120 years before the flood (Gen 6:3) (480 + 120 = 600) (128 x 12 = 1536) (1536 + 120 years = 1656 years from Adam to the flood).

6. The earliest 19-year cycle corresponds with Adam (3957 BC) to Nabonassar (747 BC). In contrast, the Hebrew calendar began four jubilees later, after 3761 BC. Rabbinical Hebrew chronology subtracted 196 years (4 jubilees), that is, 60 years between Abraham and his father and 136 years between 832 and 968 BC for dating the temple (3957 – 3761=196 yrs.).

7. A new moon is 29.5305 days before the end of every 19 years, but the eclipse cycle begins every 18 years, that is, 18 years plus 11\(\frac{1}{3}\) days equal 234 moons. Nineteen years equals 235 moons: http://code251.com/code1900-p3.html

8. One jubilee (49 solar years) equals 50.5 lunar years; 98 solar years equal 101 lunar years; 196 solar years equal 202 lunar years; 294 solar years equal 303 lunar years.

How can we marvel at, sing about and appreciate what the Higher Realm has done if we are out of sync?

### Adam and the Beginning

To understand the time of the beginning, we need to consider the ages of prehistoric reptiles and dinosaurs. Their bones were not likely created and buried during the seven days of Creation to try our faith, to see if we will accept the King James Version of the Bible.

We need to consider that Adam and Eve were of one flesh because everything was to breed after their own kind.

Adam was made from the dust of the ground just as all birds and animals were made from the dust of the ground (Gen 2:19), which is logical because all of these do return to the ground.

We need to consider the lifetime of Adam allegedly dying in the 931st year, in the 19th jubilee year, after being created on Tishri 1, 3761 BC.

Noah’s son, Shem was allegedly born 98 years, two jubilees, before the flood. The Samaritans and Rabbinical society claim Shem was born 490 years before Isaac (98 x 292 x 100 = 490).

We need to consider miracles. The leprous hand of Moses was tucked into his clothing next to his belly, and it allegedly came out leprous as snow. When he repeated this, it allegedly came out again healed as other flesh (Ex 4:6-7).

We need to consider the story of king Nebuchadnezzar of Babylon, how he became a wild animal 49 years before the second temple was founded in 520 BC. He remained as an animal for seven years, until his mind was restored with human reason. Therefore, the mind can become lost and allegedly restored with all its memories and complete function.

Likewise, we need to consider the resurrection. If we believe that man cannot be created (or restored) in one day, how can we believe he can be created (or restored) a second time in one day?
TABLE 2.
Expansion of the Universe

Distance of Galaxies from the Observer

Hubble’s Law says that, if a distant galaxy is twice as far away as a closer galaxy, then the distant galaxy is traveling twice the speed away from the observer than what the closer galaxy is traveling. So TABLE 2 illustrates how many billions of light years galaxies are from the observer. If two black holes merged and exploded 1.4142136 billion light years away, the giant gravity wave created would take 1.4142136 billion light years to reach us.

Evidence of a Designer

Time has an interesting, hidden relationship with our three-dimensional world of height, width and depth. It’s called geometric progression. Repetition, pattern and design become evidence of a Designer.

A New Paradigm

A new worldview is developing, which indicates the universe is not expanding. In this view, the universe is filled with plasma, electrons and photons spinning around atoms, which give an illusion of being a light waves. The farther away the light waves are from the viewer, the denser the plasma appears to be to the viewer… somewhat like we find in geometric progression. In aerial perspective, hills and mountains become a lighter blue in the distance.

To understand how matter and space are related to time, we need to study geometric progression. Just Google for "redshift density of electrons" "in space".

This new paradigm is being developed as a study of “tired light”, which would indicate the universe, is not expanding and clusters of galaxies are not moving apart. See this at: http://www.noeticadvancedstudies.us/Ashmore.pdf

A laser projected through a triangular prism will separate the beam into its rainbow spectrum of colors. If photons and electrons reach the observer directly, the light appears to be a bit more whitish and reddish, but if is first bounces off an object, the light appears to be whitish and bluish. Perhaps this accounts for light from one angle creates a blue sky or blue moons while, from another angle at sunset, creates a backlighting, reddish cast. More research is needed.

Therefore the universe is static, and, without an expanding universe, a whole new paradigm needs to be developed for viewing time, space, travel and the outer edge of the observable, static universe.
If an artist is painting a scene with fence posts or electric poles receding down the side of a road and evenly spaced apart, the first, for example, may be 2 units tall. If so, then the second would be 1.4142136 units tall. The third would be 1 unit tall (above the horizon). The fourth would be .7071068 units tall (above the horizon), and the fifth would be ½ (or .5) of a unit. As the illustration on the left. This same identical progression also applies to a road receding to the distant horizon.

This same progression also occurs when a square is surrounded by a circle, and the circle is surrounded by another square, etc.

This same progression also happens when the stack of circles and squares are piled inside a corner of a square like a pyramid as illustrated. Each curve represents a fourth of a circle.

If the curves are flattened horizontally, they form the same angle as the Great Pyramid. A tunnel at the entrance of the Great Pyramid points to the Celestial North Pole, and a shaft from the king's chamber points to the celestial equator.

This sequence is like the sides of a square compared with the diagonal of a square. If the sides are one unit, then the diagonal is 1.4142136 units. The sequence also occurs when the sides are both the square root of 1. The diagonal is the square root of 2.

The earth is tilted at 23.5 degrees, and its north pole traces a circle in the northern heavens over 25,827 years. Since this is done counter clockwise to the spin of the earth, this causes a “precession of the equinox”, a loss 365.242 days over the 25,827 years, one day every 70.71068 years.

$365.24219 \times 70.71068 = 25,826$

$365.24219 \div 25,826.5 = .0141421$

Pendulums, tuning forks, guitar strings, chimes and wooden bars all vibrate according to how long they are. How long must a pendulum be to swing one second? Time does not depend on the weight at the end nor how wide the swing. Will the pendulum twice that length swing in 1.4142136 seconds? One Hertz is one vibration per second. Then consider mega-hertz and giga-hertz. Will two Hertz vibrate twice as fast as one Hertz or in 1.4142136 seconds? Does this sequence also apply to quartz-crystal oscillators as timing devices? More research is needed.
TABLE 3. Geometric Progression: Plan for a “Crop Circle”
(Circles within Squares & Squares within Circles)

Above image was revised from a crop circle found on the Internet.
Recently I talked with an acquaintance in Kokomo. He and his father had dined with Wernher von Braun
(https://en.wikipedia.org/wiki/Wernher_von_Braun) before Braun died in 1977. I’ll be picking his father’s brain this year. Richard said the Germans had developed an enclosed helicopter in the shape of a saucer.

This image was found at http://www.cropcircleconnector.com/anasazi/books.html