

CHAPTER ONE

The dawn of Time

The early Christians believed the earth was the center of everything. They believed the sun, the moon and the stars went around the Earth and that the Earth was flat. They believed God simply built a huge building, painted the ceiling black with small lights and used a huge fireball to go from side to side. This would have been easy for even man the engineer to construct. However now we know the planet Earth is just a speck going around a star in the huge Milky Way galaxy. But this speck is what God wanted for man to inhabit and to put the speck into place took a lot more effort than just building a huge building. The creation of the speck caused a whole lot of commotion.

“In the beginning God created the heavens and the earth”, and BANG! It all began. The flow of time, matter and space. For, before the Big Bang, there was no time, no matter and no space. There was nothing, no universe, no sun, no Earth and no people. But there was the Force, the Light and the Source of all energy. No other entity exists that can create time, space or matter. Only God has the power do this. Before the beginning there was God, and nothing else.

When God decided to create the universe he only needed to snap his fingers and it all began. Time, space and matter! Time is an integral part of the universe and man is a slave to time. Man cannot stop it, nor can man go back or forward in time. God is not a slave to time. Thus when the big bang started, time began. All this happened thirteen billion years ago in man's time scale.

Why God included time into the flow of the universe is a mystery. Einstein's equation for converting mass to energy ($E=Mc^2$) included the speed of light. It baffles

the mind as to why the speed of light was included in the formula that converted pounds of matter into BTUs of energy. But the speed of light is included and velocity does not exist without time. Therefore time is a part of the universe.

Outside of the universe there is no time, matter, or space. There is nothing. If you could take a spaceship to the edge of the universe you would not be able to leave because not even light escapes the universe. Even if you were able to get outside the universe it would look black because if light escaped the universe, the mass of the universe would be reduced through mass to energy conversion, and this is not happening. So man is trapped in a universe where there is no escape except through God.

In the 1960s, a physics instructor described the atom as having a nucleus with electrons going around the nucleus in much the same manner as the solar system with planets going around the sun. The nucleus consists of protons and neutrons. Electrons flowed around the nucleus in rings. The first row of electrons consisted of two electrons with four electrons in each additional outer ring. He described the atom by putting a golf ball on the goal line of a football field and putting a pea on the other goal line representing the first ring. Each succeeding ring from the first would be another one hundred yards away. As a result this instructor said, "If I were to take all of the space out of your atoms in your body you would be nothing but a grain of sand between my fingers." Astounding! How could this be? Man is flesh, blood and bone. How could our minds work if we were mostly space? Where are our soul, our ego, and how are they a part of a body composed of space? How does the mind that we possess and is supposed to be so complex and great operate on nothing? When the mind thinks, what is the method for making it work? How does the mind span the gaps of space from one force to

another force and bounce around ideas until invention is created or create the feeling of guilt or pride or of any other sensation? How is this done on nothing? This statement causes serious thought as to what we are, and if we are real.

Since that time, we have found that these electrons, protons and neutrons are only forces and the neutrons and protons can be broken down even further into various forces. The grain of sand that remains of your body when the space is removed therefore disappears because the neutrons, protons and electrons disappear when the forces are neutralized. This is even more astonishing. This means the entire universe including the sun; the planet Earth and our bodies are made of nothing, just forces, like the air that blows up a big plastic dinosaur. These forces give us a stage to live out our lives and an opportunity to exist. The stage consists of the Earth and the universe with props that take on the form of humans, houses, cars, tigers, snakes, dogs and everything else around us. Everything is here for us to use and enjoy until death, but it is all nothing. Our bodies are even transparent. Can we not shine a flashlight through our hands? When God created the universe He simply created the forces and that started the universe into motion into what we see today.

It was just a “poof” and there it was. God can likewise destroy the universe and all God has to do is neutralize all the forces and it just disappears. If He has the desire, God can create another universe, and another one after that and for whatever purpose or intent. Or, He may create something entirely different. Whatever His desires, whatever He wishes, God has the power.

The one thing that man has discovered that proves the existence of God beyond any doubt is the “Big Bang” theory. The mathematicians have taken us back as far in

time as God will allow us to go. We can go back to ten minus forty-seven seconds and at this time we are almost there but not quite, for at zero seconds, man would be in God's dimension and He doesn't want us there just yet.

At ten minus forty-seven seconds, about ten million-trillion-trillion trillionths of a second, the mathematician can describe the universe in quite some detail. Before ten minus forty-seven seconds the mathematics break down, particularly time. Perhaps some day the mathematicians will go back further. But not now. The temperature of the universe at this time was one million, trillion, trillion degrees centigrade. All of the mass and energy required to make the universe, including the planet Earth, was provided right from the start.

The size of the universe was about one fourth the size of a proton. The entire universe with all its suns, planets, gases and dark matter was compacted to a size smaller than an atom. Imagine the enormous energy concentrated in that one point. The energy of all the trillions of suns in the universe was packed into one minute spot. A person can imagine the expansion and heat of the Big Bang to be similar to a hydrogen bomb exploding only expanding forever. Only God, with all His power could do that. God created the universe and the universe began to expand and He watched it and made it grow and guided it to what it is today.

The mathematician no doubt leads the way in describing how God created the universe and how it works. The mathematician can go deep into outer space and calculate the birth, life and death of stars and the forces of the universe and how the galaxies interact on each other and the black holes. The mathematician can go back in time and predict the future of the universe. Also the mathematician can go into the

smallest parts that make-up the universe by breaking down the various parts of atoms. The mathematicians are the curious that want to know how God made all of creation, and someday they will know.

At ten minus thirty-three seconds the universe was the size of a baseball, and at ten minus thirty-two seconds the unified forces separated and the temperature was ten thousand trillion, trillion degrees. Since energy can be converted into matter all the matter of the universe including the sun, the Earth and our bodies consisted of energy at this time. When the universe was one second old it had expanded to the point that matter was being formed. The temperature was ten billion degrees and the universe was like molten steel, but expanding quite rapidly. Today the weight of the universe consists of ten to the fifty power tons of matter and all of this existed from the very beginning. At three seconds the building blocks of the atoms were created and expansion was still causing a decrease in temperature. At this time the universe was opaque and looked like an atomic bomb fireball.

The huge fireball continued to expand and at the same time cool. At three hundred thousand years the fireball cooled to five thousand five hundred degrees Fahrenheit and became clear, allowing light to pass through. Heat radiation was still around and electrons were connecting to protons and forming atoms. Using the orbiting satellite telescopes, man can now see back in time to when the universe first cleared thirteen billion years ago. The Kobe satellite can see the clearing of the fireball and the Hubbell satellite can see the first galaxies being formed.

The night sky produces a panorama of the history of the universe. Man can now see stars from the present to ten billion years ago, almost to the beginning of time,

because the light from a star does not show the star as it looks now but what it looked like when the light left the star. Thus a star ten light years away will look as it did ten years ago and a star ten billion light years away will look as it did ten billion years ago, and this star most likely has burned out at this time.

Man cannot look into the future with telescopes. But man can predict the future by looking back in time and by watching and studying the stars in their various stages of development. Man can predict when the sun will burn up all its fuel, and man knows all the fuel in the universe will burn out in thirteen trillion years leaving a dark, cold universe, a universe that once abounded in light and energy as it does today.

The sun burns hydrogen in its nuclear fusion reactor. The size of the sun is large enough to provide fuel to last ten billion years. Currently the sun has burned up half of its fuel and will last another five billion years. In the end it will have burned up all the hydrogen fuel and gravity will convert the sun into a red giant which will expand outward and consume the earth. Eventually the sun as a red giant will blow away its outer layer and become a nebula. The nebula will drift into space leaving the core of the once proud sun a white dwarf. It's nuclear reactors dead and without a heat source the sun will become cold dark ashes.

The stars and galaxies began forming one hundred million to one billion years after creation and continue to form and die today. At 9 billion years after creation, the Milky Way was well established and around 4.6 billion years ago our star the sun and all its planets, including our Earth, were formed. The planets came from a disk surrounding the sun and the disk consisted of gas and dust that condensed into the planets. To add to the beauty of the night sky with all the stars and planets God added a large object called a

moon. The moon would orbit around the earth giving pleasure from its light as it shines down upon the earth. Its movement would affect the oceans causing tides and also cause electrical changes in man's nervous system. The phases would go from new moon to full moon and God even placed the mountains and the craters on the full moon to provide the image of a fetus, the sign of new life. All this beauty for man to enjoy.

The early Earth was molten hot, as is the center of the Earth today and produced gases and water vapor clouds. As the Earth cooled, the water vapor condensed and formed rain. The rain washed down the soil from the high ground to the low spots and formed rivers and the low spots formed oceans. The molten lava currents inside the earth are strong and the currents began pushing the cool crust around the surface forming continents. It took one billion years for the conditions on Earth to become compatible with man, and the Earth was to be man's home. God wanted a wide variety of living creatures to inhabit the earth so he created oceans, dry land, rivers, mountains, and cold and warm regions. In addition God wanted weather conditions to stabilize to allow life to exist.

The increase in temperature increases chemical reaction time. The body uses oxygen to burn hydrocarbons and other elements to create heat and motion in the same manner as an automobile engine. God selected 98.6 degrees F as the optimum temperature for man. Temperature higher than 98.6 degrees F will cause excessive chemical reactions. In cold regions man can keep himself warm by adding clothing, but man has difficulty keeping cool in warm regions. God wanted man to inhabit the entire Earth so He set temperature limits. With a few exceptions located around the world, God limited the upper temperature to around 110 degrees F which man can tolerate.

The moving continents caused uplifts of the earth's crust and this in turn created mountains. The rain would wash the mountains back to the sea and the soil from the mountains would form sediments in the ocean bottoms. These sediments over time would form rocks. Anything living in the ocean would eventually die and be covered by the sediments. The dead animals would fossilize and in time the bottom of the oceans uplifted and the rocks would be washed out by rains and exposing the fossils. By chance man would discover the fossils and began to wonder what it was and how it got there.