

INTRODUCTION TO
CHAPTER NINETEEN

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The preceding chapters dealt mainly with Day One of the Creation week. It is now time, with this chapter, to advance into an examination of Day Two. On this particular day, the firmament, called Heaven, was created. This chapter defines this particular heaven, created on Day Two, that it be not confused with the place where the throne of God is. The heaven, or firmament discussed in this chapter is an expansion, or stretching of something. This chapter explains what the ‘something’ was that was stretched out, and that particular force of nature which was used to cause this stretching out of the firmament. But there is more to this chapter.

Included is an introduction to those special waters which were, originally (and to a degree, still are), above the firmament of heaven. One thing should be especially noted. As the Reader studies this chapter, they will find that enough evidence is presented to prove, to a reasonable degree, that the Earth began to revolve on its axis on Day Two of the Creation week.

Let us make another point, before this interesting chapter is begun. Looking backward to Day One, the Earth was without form and void. It was basically an irregular ‘blob’ of material which was suspended in the void of space. On Day Two, as the Earth began to revolve faster and faster upon its axis, many things began to happen. Some of the very major, ‘Earth-blob’ altering changes are discussed later, in Chapter 28. In this chapter, let us simply realize that, as the Earth continued to gain rotational speed, it began to rapidly take on its present, spherical shape.

As this chapter is read, please note the simplicity of the processes with which God works. Yet, despite the relative simplicity of these processes, please note the powerful effects which readily result from them. It appears that God does not waste any of His energy. For each minute amount of energy which He expends, it appears that a vast quantity of things can occur. May we all give due glory and honor to the Lord God Almighty. May we worship Him in the only true way, by that obedience which is pleasing in His eyes.

Chapter 19: THE WATERS ABOVE

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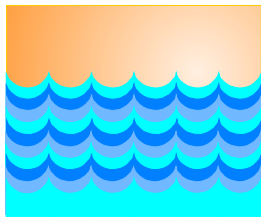
WITNESS OF CREATION

The psalmist cries: *“The heavens declare the glory of God; and the firmament showeth his handiwork. Day unto day uttereth speech, and night unto night showeth knowledge.*

“There is no speech nor language, where their voice is not heard. Their line is gone out through all the earth, and their words to the end of the world.”¹ Amen, and amen!

The Heavens truly declare the glory of God. They speak loudly of those mighty works which God has done. May we always give true glory to God, by willingly walking in obedience to His Word!

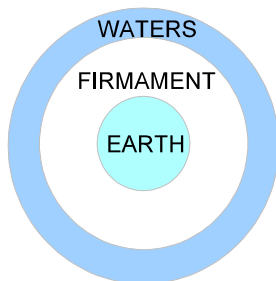
OPENING STATEMENTS



Some “scientific” theories claim that the first living organisms on the face of this Earth had a very restricted habitat. They state that this habitat was under the thick waters of a sea. They believe that a thick layer of water was needed to protect the emerging organisms from the devastating ultraviolet radiation of the sun.² Friend, this is some of what is taught by science today! But is it even true?

Friend, when the Word of God is disregarded, it becomes much harder to explain the beginning of life on this Earth. According to the Word of God, the plant-life was created first, then the sun. The first plant-life on this Earth truly did have a protective layer of water, but not necessarily the waters of a sea. This chapter examines the true nature of these ancient protective waters.

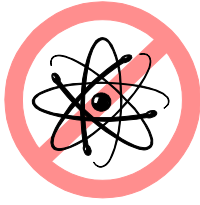
THE SECOND DAY



On the second day of Creation, God made the firmament which He called Heaven. With this firmament, God divided the waters which were under the firmament from those waters which were now above it.³ Let us briefly look back to Day One of Creation.

On the first day of Creation, God had created the whole Heaven and the basic Earth, plus the phenomenon of light. On the second day, God created only the firmament, which separated the region of waters above it. The Creation of the firmament must have required quite a process, for it took one whole day to complete!

ANOTHER METHOD



Once again, let us take a look back. At the beginning of that first day of Creation, there was, as it were, a massive nuclear reaction. Once the major foundation of the Earth was in place, God began to use another method of Creation. The firmament, created on Day Two, was a more delicate operation. It did not involve the enormous release of nuclear energy. Instead, this operation was of a gentler nature.

The creation of the firmament involved the establishment of other natural laws. After examining a few scientific facts, it appears that the magnetic field of the Earth may have been established on this second day. In relation to this, it appears that the Earth began to revolve on its axis on this second day of Creation. As the Earth gained rotational speed, it began to take on its ultimate shape.⁴

FROM THE SOURCE

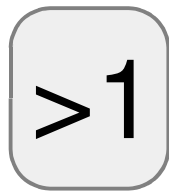
Let us start this chapter on the only true foundation. Before we get too deeply into our discussion of the second day of Creation, let us examine the actual account from the Word of God.

It is written: *“And God said, ‘Let there be a firmament in the midst of the waters, and let it divide the waters from the waters.’*

“And God made the firmament, and divided the waters which were under the firmament from the waters which were above the firmament: and it was so.

“And God called the firmament Heaven. And the evening and the morning were the second day.”⁵

CORRECT UNDERSTANDING



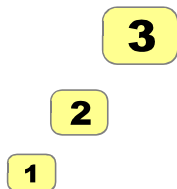
To avoid any confusion, it is noted in the above passage of Scripture that the firmament surrounding this Earth is called Heaven, singular. Upon examination of the complete Word of God, more than one specific Heaven is found recorded.

The psalmist cries: *“The heaven, even the heavens, are the Lord's: but the earth hath he given to the children of men.”⁶* The prayer of King Solomon declares, in part: *“But will God indeed dwell on the earth? Behold, the heaven and heaven of heavens cannot contain thee; how much less this house that I have builded?”⁷*

The apostle Paul declares: *“I knew a man in Christ above fourteen years ago, (whether in the body, I cannot tell; or whether out of the body, I cannot tell: God knoweth;) such an one caught up to the third heaven.*

“And I knew such a man, (whether in the body, or out of the body, I cannot tell: God knoweth;) how that he was caught up into paradise, and heard unspeakable words, which it is not lawful for a man to utter.”⁸

SPECIFIC HEAVEN



Friend, let us stop and examine closely that which we have just read. Truly, there are at least three Heavens shown in the Word of God. The Heaven where God dwells (the Paradise of God, as shown in the above passage of Scripture) is the third Heaven. In this particular chapter, which is now set before us, will be examined only that Heaven which directly surrounds this Earth. This particular Heaven is simply known as the firmament.

CLEAR DEFINITION

Looking to the *Strong's Concordance of the Holy Bible*, the word “firmament” is defined as “an expanse,” or “visible arch of the sky.” In the King James Version of the *Holy Bible*, as published by the World Bible Publishers, the page center-note for the earlier passage about this particular day of Creation declares that the word “firmament” is translated from the Hebrew word for “expansion.”⁹ This expansion is made up of the gaseous atmosphere which surrounds this Earth. Furthermore, this atmosphere was formed by a very special process of expansion.

FAR OUTER LAYERS

In the outward “expansion” from the Earth, God placed the elements with the lightest specific gravities. These elements are commonly called the gases. The nature of these gases allows them to readily mix together. This mixing of the gases has created that special form of life-sustaining air which we breath upon this Earth.

CURRENT AIR COMPOSITION

The air is currently composed of the following gases: nitrogen (about 78 percent); oxygen (about 21 percent);¹⁰ argon (about 0.9 percent); carbon dioxide (about 0.03 percent). There is also water vapor included in the air, in varying amounts. Other trace gases in the atmosphere are: hydrogen, ozone, methane, carbon monoxide, helium, neon, krypton, and xenon, to name a few.¹¹

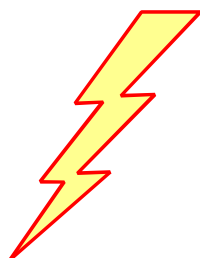
The table on the following page lists the known elements which compose the atmosphere, and information which pertains to them. Let us examine this table for a moment.

Atomic Number	Element	Atomic Weight	Specific Gravity	Comment
1	Hydrogen	1.0079	0.089	Flammable
2	Helium	4.00260	0.1664	Inert gas
7	Nitrogen	14.0067	1.251	Stable gas
8	Oxygen	15.9994	1.429	Reactive
10	Neon	20.179	0.6959	Inert gas
18	Argon	39.948	1.3795	Inert gas
36	Krypton	83.80	2.41	Inert gas
54	Xenon	131.30	4.553	Inert gas

IN DAYS OF OLD

The content and proportions of the gases in the original atmosphere of the Earth may have been somewhat different from that which we now have. The scientists tend to believe that the early atmosphere was composed mainly of water vapor, nitrogen, methane, and ammonia; with little or no free oxygen.¹² Friend, only God knows the complete truth on this matter!

AMMONIA



Gaseous ammonia is often produced by the combination of one atom of nitrogen and three atoms of hydrogen in an electric arc. In nature, the electric arc for this process is in the form of lightning.¹³

Ammonia is extremely soluble in water. At room temperature, approximately 700 volumes of ammonia gas can be dissolved in one volume of water.¹⁴ This solution is called ammonium hydroxide (NH₄OH).¹⁵ Ammonium hydroxide is a chemical base which can be used to neutralize acids. The resulting salts are very soluble in water.¹⁶

When gaseous ammonia reacts with a strong acid, the precipitate is called ammonium salts. When ammonia gas reacts with gaseous hydrochloric acid, solid ammonium chloride (NH₄Cl) is formed. When ammonia gas and liquid sulfuric acid (H₂SO₄) combine, ammonium sulfate ((NH₄)₂SO₄) is formed.¹⁷ Ammonium sulfate is a good nitrogen fertilizer used in growing vegetable matter.¹⁸ It appears that Almighty God was preparing for His plant creations, which were soon to come!

When ammonia gas (NH₃) is combined with liquid nitric acid (HNO₃) the product of this neutralization process is ammonium nitrate (NH₄NO₃).^{19 and 20} Ammonium nitrate is a good fertilizer to help vegetation grow.²¹ Yes, the magnificent wisdom and beauty of God Almighty!

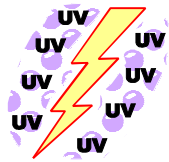
Pure ammonia may also be directly supplied to plants, from which they may obtain the necessary nitrogen for growing. By the use of fertilizers, a luxurious covering of vegetation may be grown.²² Truly, there is no question about it: the Lord God was preparing the Earth for plant life!

A QUESTION

The scientists believe that there was ammonia gas in the primitive atmosphere of this Earth.²³ It is noted above that there was also plenty of nitrogen in that atmosphere. There were also plenty of huge electric arcs to initiate the ammonia reaction. These arcs were in the form of lightning. But where did all the hydrogen come from for reaction with the nitrogen, to produce the ammonia gas?

SIMPLE SOLUTION

The scientists believe that the primitive atmosphere of this Earth contained plenty of water vapor.²⁴ Water vapor may be broken down into molecules of hydrogen and oxygen using ultraviolet light. This process is called photodissociation.^{25 and 26}



An electric arc, such as lightning, produces radiation in the form of ultraviolet and infrared rays.²⁷ Higher amperage electric arcs produce a higher intensity of ultraviolet and infrared radiation.²⁸ Let us examine how the Lord God used these powerful tools at the beginning of Creation. Let us also understand that process which continues in our day!

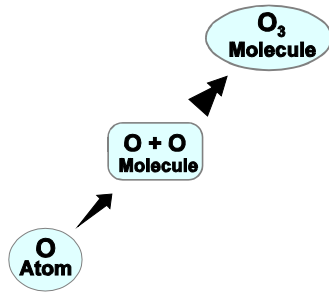
THE SOURCE

The extremely intense, worldwide lightning storm at the end of Day One of Creation (as discussed in Chapter 18) produced the intense ultraviolet light which began to photodissociate the water vapor in the primitive atmosphere. A portion of the resulting hydrogen went into ammonia production. The remainder went into another one of God's great creations (to be discussed in a later chapter).

BASIC BUILDING BLOCKS

The oxygen which was formed by the photodissociation of water vapor was one of the main building blocks for the new life-sustaining atmosphere which God was about to create. But before this atmosphere could be put in place, one more important building block had to be created.

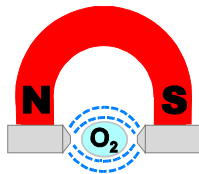
The next building block was ozone. This ozone would form the important ultraviolet radiation shield for the Earth. This shield would protect all cellular matter from the destructive and possibly lethal effects of this harmful radiation.^{29 and 30}



Because of the high intensity ultraviolet radiation produced by the enormous, worldwide lightning storm on the first day of Creation,³¹ ordinary molecular oxygen was readily broken down into its highly reactive atomic components. The reactive oxygen was then able to combine with other oxygen atoms to produce a new product called ozone (O₃).^{32 and 33} The basic materials were all made. The Lord God was now ready to create the firmament. Truly, it was a very large project. But in all reality, it was accomplished by a relatively simple process.

INITIAL CONSIDERATION

Oxygen and ozone are paramagnetic materials. In a paramagnetic material, the randomly oriented magnetic poles within the atoms line up with any external magnetic field. This phenomenon causes the paramagnetic material to add to the strength of the external field.³⁴



Furthermore, the alignment of magnetic fields within a paramagnetic material causes that material to be drawn into the strongest part of the interacting magnetic field.³⁵ This paramagnetic property causes oxygen and ozone to become trapped within the flux lines of a magnetic field, such as that which surrounds the Earth.³⁶

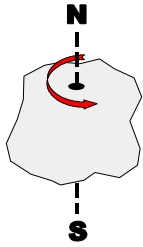
BASIC MAGNETISM

In magnetic materials (such as iron), the individual atoms may possess very strong magnetic fields. The strong magnetic field of one atom will interact with the magnetic fields of a number of the adjacent atoms. The result of this interaction is that billions of adjacent atoms will line up in a uniform direction. This mass-alignment of atoms creates what is called “a magnetic domain.”³⁷

In just one crystal of ordinary iron, there are a large number of individual, randomly aligned magnetic domains. To cause a magnetic field to emanate from a bar of iron, the randomly aligned domains within the iron must be brought into uniform alignment.^{38 and 39}

ROTATIONAL MAGNETISM

Certain materials are classed as “magnetic.” The molecules in these materials are normally aligned in a random fashion, and are elementary magnets in themselves. Besides iron, other examples of magnetic materials are cobalt and nickel. There are also magnetic compounds. One of these compounds consists of aluminum, copper, and manganese. This compound is called Heusler alloy.⁴⁰ The Earth itself consists of a great number of magnetic materials and compounds.



When a magnetically neutral rod (or other mass of magnetic substance) is rotated within a magnetically neutral region, something very interesting occurs. The electrons within the molecules change their orientation of revolution so that their magnetic fields align more closely with the axis of the rotating mass. This creates magnetism of the rotating mass, whose north and south poles now align with the axis of rotation.⁴¹

In a somewhat different type of situation, when a metal disk which forms one plate of a charged capacitor is rotated, the moving electrostatic charges will create a magnetic field. The magnetic field created will deflect the needle of a magnetic compass which is placed next to the rotating, charged plate.⁴²

Friend, all of the above information may be applied to the magnetic field of this Earth, and also to the firmament which Almighty God and His Son created on the second day of Creation. The above information also applies to the placement of the ozone layer at the top of the stratosphere. But what actually caused the Earth to start spinning, so that this magnetic field and the Earth's atmosphere could be created?

ELECTROSTATIC SPIN

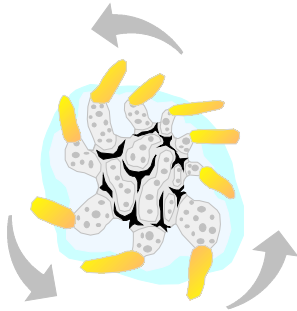
In recent times, scientists at the University of California, Riverside, discovered a new and completely unexpected physical phenomenon. What was even more amazing was that this phenomenon (dubbed electrostatic rotation) could not be explained with available scientific theory. Nevertheless, this discovery may impact many fields of science and technology.⁴³

For more than 200 years, scientists have understood the electrostatic forces of attraction and repulsion between charged particles. But recently, we have learned even more. Under the proper conditions, whenever asymmetrically distributed electrostatic charges are applied to the surfaces of spheres, they automatically begin to rotate.⁴⁴ But let us not stop here, for there was most likely another electrical phenomenon also at work to cause the primitive 'Earth-blob' to begin rotation.

POINT CHARGES

There is an interesting phenomenon which occurs when a wire with oppositely bent ends is balanced at its center on a needle attached to the high voltage terminal of a Tesla coil (or any similar device). The corona discharge which emanates from the two ends of the wire rotor acts like electrical jet-propulsion. The charge density is so great at the ends of the wire that the exiting electricity actually can produce a strong jet of electrical wind. The "jet" of electricity leaving the ends of the wire causes the rotor to begin spinning rather rapidly.^{45, 46, and 47} Let us now see how this simple example relates to the process of Earth-rotation which was established on the second day of Creation.

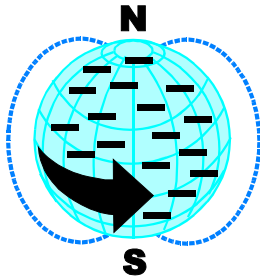
WORLD-CLASS PROPULSION



The erratically-shaped ‘Earth-blob’ likely had many odd-shaped protrusions, for it was “*without form, and void.*”⁴⁸ These protrusions readily discharged the extreme volume of electrical charge which was rushing to the surface of the Earth.⁴⁹ This intense release of electrical energy produced a great number of powerful electrical jets across the face of the ‘Earth-blob.’⁵⁰

The result of the powerful ‘fingers’ of electrical energy was a mighty, worldwide, rushing electrical wind. The reaction force of these enormous jets of wind helped cause the primitive Earth to begin rotation.⁵¹ But there is one other factor to consider, and that is volcanism. It also was involved with helping the Earth to begin its rotation.⁵² And now, let us examine another special phenomenon which occurred as the speed of the Earth’s rotation steadily increased.

THE STARTUP



The surface of this Earth carries a negative charge of electricity.⁵³ On the second day of Creation, God used a number of natural forces to cause the primitive mass of the Earth to begin rotation.⁵⁴ As the Earth began to rotate, the moving, negative electrostatic charge helped to create the Earth’s magnetic field.

The present Earth has a diameter of about 7,926 miles (12,753 km) at the equator, and also a large surface area.⁵⁵ Because of this great surface area and the negative charge it contains, plus the mass of the magnetic materials contained within the Earth, the magnetic field thus formed by rotation can grow relatively strong.

THE EXPANSION

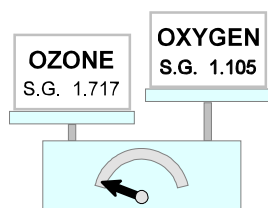
As the Earth began to rotate on Day Two of Creation, the magnetic lines of force started to rise into the space around the Earth. The faster the Earth rotated, the stronger these lines of magnetic force became. The stronger they became, the further out into space their effects carried. Eventually the Earth reached a surface rotational speed of a little more than 1,000 miles per hour (1,600 km/hr) at the equator.⁵⁶ The process of gaining full rotational speed took about one full day to complete!

As the effects of the magnetic flux lines rose up from the surface of the Earth, so did the oxygen and ozone molecules which were strongly attracted to, and trapped within these magnetic lines. By this process, an oxygen and ozone sheath was raised up, and expanded outward around this Earth.⁵⁷

POINT OF INTEREST

The expansion which created the firmament was simply an expansion of the molecules of oxygen and ozone. These molecules were expanded through a greater altitude range than they would normally occupy without the help of the magnetic lines of force. The gravity of the Earth still has its effect on this expanse of oxygen, thereby making the oxygen layer more dense toward the surface of the Earth. It also appears that the expansion of the oxygen molecules created a form of latticework, which allows for the dispersal of the other gases contained within the atmosphere.

SPECIFIC GRAVITIES



Oxygen has a specific gravity of 1.105, as compared to air at 1.00. Ozone has a specific gravity of 1.717. Therefore, ozone is considerably heavier than oxygen or air. The gaseous nitrogen, with a specific gravity of .9670, is lighter than oxygen or air.

Pure nitrogen does not appear to be attracted to the magnetic lines of force, nor is it helped upwards by them. For this reason, the dispersion of nitrogen throughout the expanse of gaseous oxygen may be greatly effected by the force of gravity. This powerful force of gravity causes the lightweight nitrogen molecules to exist at a higher density closer to the surface of the Earth.

Helium is lighter than air. Its specific gravity is only 0.1664. Hydrogen is the lightest of all the gases. It has the very low specific gravity of 0.089. As the heavier oxygen and ozone rose upward on the magnetic flux lines, the extremely lightweight hydrogen and helium gases rose above them.

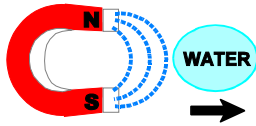
FURTHER THOUGHT

On the second day of Creation, there was yet an immense amount of heat escaping from the surface region of the Earth. It should be remembered that, during this stage in the Creation of the primitive Earth, the basic ball was still completely covered by a thick layer of water.

As the intense heat entered into the thick layer of water, it instantly flash-boiled. This caused immense volumes of steam to violently erupt upward from the surface of the Earth's worldwide Sea.⁵⁸ A great volume of intense heat was still radiating outward from the Earth. This heat was rapidly dissipating far out into outer space on Day Two of Creation.

The volume of heat rushing upwards carried the water vapor to extreme heights above the surface of the forming Earth. The only force then working in an attempt to retain this vast quantity of superheated water vapor was the force of gravity.

ONE IMPORTANT FACT



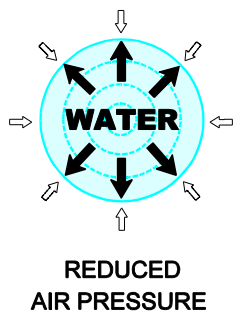
Water is a diamagnetic material.⁵⁹ Upon entering a magnetic field, the atoms in a diamagnetic material line up in a direction opposite to that of the externally applied magnetic field. For this reason, a material which displays diamagnetic properties will tend to be repulsed by an external magnetic field.⁶⁰ In our example, the water molecules will have a tendency to be pushed away from the magnetic field.

THE PROCESS

As the magnetic lines of force rose up beneath the already rising, superheated water vapors, the diamagnetic properties of the water molecules caused them to be more readily repelled outward from the surface of the Earth. An immense volume of heated water vapor was carried to extreme altitudes above the Earth. It was catapulted into the region currently called the thermosphere.⁶¹

The vast quantity of water vapor above the Earth was held aloft by the magnetic lines of force. But it was prevented from completely escaping into space by the force of gravity. It truly was a relatively delicate balance, just like that rather delicate balance which seems to exist in all of nature.

BASIC PHYSICS



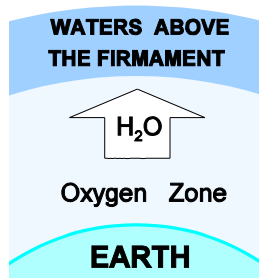
When a superheated gaseous water vapor is raised to a higher altitude, it automatically expands because less atmospheric pressure is being exerted upon it. Upon expansion, the gaseous mass is cooled to a certain degree.

If, upon expansion, the water vapor is still warmer than its general surrounding, it will continue to rise until a point of equilibrium is reached. If the water vapor becomes cooler than its general surrounding, it will begin to sink towards the Earth. This sinking process will continue until the water vapor reaches a lower level of equilibrium, or reaches the surface of the Earth, whichever comes first.

AT THAT TIME

On the second day of Creation, the superheated water vapor did not readily cool or condense as it was pushed upwards from the surface of the Earth. There was still an extreme volume of intense heat radiating away from the Earth beneath it. This immense volume of heat was absorbed by the water vapors. This heat kept them extremely hot as they rose to ever higher altitudes on the expanding lines of the forming magnetic field.

IN THE MIDDLE



Within the region of the expanding atmosphere, a heavy volume of superheated water vapors continued to rise from the even more superheated Earth. This immense volume of vapors rose in great columns of upward radiating heat. The water vapors rose all the way to the very top of the oxygen region. The ultimate destination of this superheated water vapor was the ever-growing, vast reserve of water vapors which was now located above the firmament.⁶²

CURRENT EVIDENCE

The troposphere is the lowest atmospheric layer which rests upon the outer surface of the Earth. It is a fact that, at this time, water vapor cannot readily escape upward from the troposphere into the upper atmospheric layers. For this reason, it has often been believed that the upper regions of the Earth's atmosphere are completely devoid of water vapor. Nevertheless, this is not the case.

In recent times, to the surprise of many, scientists have found that a large quantity of water vapor actually resides in the upper atmosphere. The scientists have a number of theories as to how this water vapor came to reside in the upper atmosphere. Some even believe that it must have somehow come from outer space.^{63 and 64} But the writer has a different view on this matter.

The writer believes that the large amounts of water vapor residing in the upper atmosphere are simply the remnants of the vast water canopy which existed prior to the Noahic Flood.⁶⁵ (Please see Volume Two, *Listen to the Earth: From Adam thru Noah*, for more details on the alteration of this ancient water canopy.)

APPARENT FUNCTION

At the time of Creation, it appears that God Almighty placed the enormous quantity of water vapor in the upper atmosphere, in preparation for the sun, which He would create on Day Four. These waters would protect the Earth against space radiation, and also act as a vast heat sink. This heat sink would equalize the distribution of heat over the face of the whole Earth.⁶⁶

One of the functions of the waters above the firmament was to help reflect a portion of the sun's radiation, and prevent it from overheating the Earth. This would also allow for the optimum growing environment for that vegetation which God would create on Day Three. With the waters above the firmament, the Earth truly was like a vast greenhouse. Truly, it was created to be God's greenhouse! Friend, now you know the story of the waters above the firmament!

A REMINDER

Friend, do not forget about the great quantity of hydrogen which was left over from the photodissociation process of the water vapor. God Almighty is not a waster of any good thing. Later in this book will be shown where a major portion of this hydrogen went.

ANOTHER REMINDER

Friend, it is time for us to look to the Creator of all these great things. The Word of God proclaims: *“Remember now thy Creator in the days of thy youth, while the evil days come not, nor the years draw nigh, when thou shalt say, ‘I have no pleasure in them;’ while the sun, or the light, or the moon, or the stars, be not darkened, nor the clouds return after the rain: in the day when the keepers of the house shall tremble, and the strong men shall bow themselves, and the grinders cease because they are few, and those that look out of the windows be darkened...”*⁶⁷

Yes, Friend, remember now thy Creator...!⁶⁸ Remember to walk in His ways only, with a willing heart, as we approach the day of the Lord!

Friend, so ends another Chapter in this FIRST EDITION of
Listen To The Earth, Volume One, THE CREATION, by *David E. Sakrison and Friends*
in 34 Chapters, plus README, Preview, Start, and End files
with References following each Chapter

REFERENCES

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1. *The Holy Bible*, Book of Psalms, chapter 19, verses 1-4.
2. See: *The 1998 Grolier Multimedia Encyclopedia*, "Atmosphere."
3. See: *The Holy Bible*, Book of Genesis, chapter 1, verses 6-8.
4. As the original 'Earth-blob' (which had no certain form) began to rotate, another fundamental force in nature came into being. It appears that centrifugal force helped form the Earth into its final shape.
5. *The Holy Bible*, Book of Genesis, chapter 1, verses 6-8.
6. *The Holy Bible*, Book of Psalms, chapter 115, verse 16.
7. *The Holy Bible*, Book of I Kings, chapter 8, verse 27.
8. *The Holy Bible*, Book of II Corinthians, chapter 12, verses 2-4.
9. As the "expansion" is examined, let us consider this matter further by presenting a few passages from the Word of God which may clarify this issue. This expansion is truly related to a stretching out process.

It is written in the Book of Isaiah, Chapter 42, verse 5: "*Thus saith God the LORD, he that created the heavens, and stretched them out; he that spread forth the earth, and that which cometh out of it...*"

In the Book of Isaiah, Chapter 45, verses 11 and 12, it is written: "*Thus saith the LORD, the Holy One of Israel, and his Maker, Ask me of things to come concerning my sons, and concerning the work of my hands command ye me. I have made the earth, and created man upon it: I, even my hands, have stretched out the heavens, and all their host have I commanded.*"

In the Book of Isaiah, Chapter 51, verses 12 and 13, the Lord declares: "*I, even I, am he that comforteth you: who art thou, that thou shouldest be afraid of a man that shall die, and of the son of man which shall be made as grass; and forgettest the LORD thy maker, that hath stretched forth the heavens, and laid the foundations of the earth; and hast feared continually every day because of the fury of the oppressor, as if he were ready to destroy? And where is the fury of the oppressor?*"

The prophet Jeremiah, in Chapter 10, verse 12, declares of God: "*He hath made the earth by his power, he hath established the world by his wisdom, and hath stretched out the heavens by his discretion.*"

Once again, the Book of Jeremiah, in Chapter 51, verse 15, declares: "*He hath made the earth by his power, he hath established the world by his wisdom, and hath stretched out the heavens by his understanding.*"

In the Book of Psalms, Chapter 104, verses 1 and 2, it is written: "*Bless the LORD, O my soul. O LORD my God, thou art very great; thou art clothed with honour and majesty. Who coverest thyself with light as with a garment: who stretchest out the heavens like a curtain...*"

Once again, in the Book of Isaiah, Chapter 40, verse 22, it speaks thus of God: "*It is he that sitteth upon the circle of the earth, and the inhabitants thereof are as grasshoppers; that stretcheth out the heavens as a curtain, and spreadeth them out as a tent to dwell in...*"

In the Book of Isaiah, Chapter 44, verse 24, it is written: "*Thus saith the LORD, thy redeemer, and he that formed thee from the womb, I am the LORD that maketh all things; that stretcheth forth the heavens alone; that spreadeth abroad the earth by myself...*"

And lastly, in the Book of Zechariah, Chapter 12, verse 1, it is written: "*The burden of the word of the LORD for Israel, saith the LORD, which stretcheth forth the heavens, and layeth the foundation of the earth, and formeth the spirit of man within him.*"

Friend, let us consider the nine passages of Holy Scripture noted above. From these passages, and the complete Word of God, we learn that God first laid the foundation of the Earth. Then, upon this foundation He spread abroad the Earth. Next, after the basic ball of the Earth was formed, God stretched out, or expanded, the heavens above the surface of the Earth. Truly, this expansion of the heavens was a stretching out process. In this chapter, we learn what this stretching out process actually entailed.

Let us also note that the above passages of Holy Scripture support the overall Creation process noted in this book. The foundational "seed" of the Earth was laid, and then by nuclear fission, the layering of the Earth was spread out upon this foundation. Friend, this Earth was not (as modern science commonly teaches) created by a mass of cosmic dust collecting together, then heating up, and the heavy materials sinking to the nucleus. This 'modern' concept goes contrary to the order set forth by the Word of God. Furthermore, it appears to go contrary to good sense.

10. *The Blue Planet*, by Skinner/Porter/Botkin, 2nd Edition, 1999, on page 271 proclaims the findings of tests with air composition. If the amount of oxygen in the air we breath becomes greater than 55 percent above that amount contained within sea-level air, it becomes toxic to humans. It appears that above this 55 percent increase in oxygen content, the human body , in effect, begins to burn up, or self-combust. Normal air contains about 21 percent oxygen. A 55 percent increase in oxygen would mean that with about a 32 percent oxygen content in the air, it becomes deadly to humans. What is considered the safe oxygen range (in air) for humans to breath is about 11.8 percent oxygen (on the low side) to about 29.5 percent (on the high side). Please be advised by the writer that the true safe oxygen range may vary greatly between individuals, depending on their health condition, and a number of other factors.
11. *Microsoft Encarta 98 Encyclopedia*, “Atmosphere.”
12. *The 1998 Grolier Multimedia Encyclopedia*, “Earth, geologic history of.”
13. *The 1998 Grolier Multimedia Encyclopedia*, “Nitrogen Cycle.”
14. *Chemistry*, James V. Quagliano, 2nd Edition, 1963, page 625.
15. *Microsoft Encarta 98 Encyclopedia*, “Ammonia” and “Alkalies.”
16. *Chemistry*, James V. Quagliano, 2nd Edition, 1963, page 629.
17. *Chemistry*, James V. Quagliano, 2nd Edition, 1963, page 629.
18. *The 1998 Grolier Multimedia Encyclopedia*, “Fertilizer.”
19. *Chemistry*, James V. Quagliano, 2nd Edition, 1963, page 629.
20. *Smith’s Introductory College Chemistry*, James Kendall, 1931 Edition, page 330.
21. *The 1998 Grolier Multimedia Encyclopedia*, “Nitrogen.”
22. *Microsoft Encarta 98 Encyclopedia*, “Fertilizer.”
23. *The 1998 Grolier Multimedia Encyclopedia*, “Earth, geologic history of.”
24. *The 1998 Grolier Multimedia Encyclopedia*, “Earth, geologic history of.”
25. *The 1998 Grolier Multimedia Encyclopedia*, “Atmosphere.”
26. *The 1998 Grolier Multimedia Encyclopedia*, “Photochemistry.” In photodissociation, light of certain frequencies (most often ultraviolet) is used to excite the atoms of molecules to the point where the molecular bonds are ruptured. At this point, the molecule is literally broken.
27. *Modern Welding*, Althouse/Turnquist/Bowditch, 1970, page 5-4.
28. *Welding: Principles & Practices*, Raymond Sacks, 1976, page 455.
29. *The 1998 Grolier Multimedia Encyclopedia*, “Atmosphere.”
30. *The Blue Planet*, Skinner/Porter/Botkin, 2nd Edition, 1999, page 274.
31. Note: On the first day of nuclear Creation, the surface of the newly formed Earth would have been literally covered with extremely powerful volcanos. According to the book *Volcanoes of the Earth* (by Fred M. Bullard, 1984, on page 372), the outpouring of hot gases and tremendous quantities of steam during powerful volcanic eruptions produces the same phenomenon which occurs in a thunderstorm. The difference in the case of a volcano is that the thunderstorm often remains stationary over the volcano, rather than traveling across the country. Powerful volcanos can also produce violent thunderstorms which travel considerable distances in their dust cloud. This occurred in the 1912 eruption of Mount Katmai in Alaska and also in the 1956 eruption of Bezymianny Volcano in Kamchatka (formerly of the USSR). This is shown on pages 163 and 177-178 of the book *Volcanoes of the Earth*.
32. See: *The 1998 Grolier Multimedia Encyclopedia*, “Ozone Layer.”

33. Friend, let us now go beyond the encyclopedia entry. Let us examine the production of ozone by even a more sedate method. Many individuals have probably noticed that ozone may be readily created by something as small as the arcing brushes of an electric motor. The smell of ozone produced by a defective electric motor can be extremely strong.
34. *The 1998 Grolier Multimedia Encyclopedia*, "Magnetism."
35. *The 1998 Grolier Multimedia Encyclopedia*, "Magnetism."
36. *Microsoft Encarta 98 Encyclopedia*, "Magnetism."
37. *Conceptual Physics*, Paul G. Hewitt, 6th Edition, 1989, page 414.
38. *Conceptual Physics*, Paul G. Hewitt, 6th Edition, 1989, pages 414-415.
39. *Conceptual Physics* (by Paul G. Hewitt, 6th Edition, 1989), on page 414 notes that when a strong magnet approaches a piece of iron, by the use of an amplified stethoscope, a 'clickety-clack' sound is heard as the magnetic domains reorient themselves to the magnetic field.
40. *Science*; September 27, 1918; "Magnetization By Rotation;" Dr. S.J. Barnett, pages 303-309.
41. *Science*; September 27, 1918; "Magnetization By Rotation;" Dr. S.J. Barnett, pages 303-309.
42. Random notes from one *Pilgrim* writer's *Independent Research Notebook*.
43. *Science Letter*; April 28, 2003; Physics, "Discovery of Electrostatic Spin Challenges Century-old Theory, Editor's Choice, page 3.
44. *Science Letter*; April 28, 2003; Physics, "Discovery of Electrostatic Spin Challenges Century-old Theory, Editor's Choice, page 3.
45. *Popular Mechanics*, June 1964, "Make Your Own Fantastic Tesla Coil," Harold Strand, pages 169-173.
46. *Popular Science*, August 1954, "How to Build a Tesla Coil," Elbert Robberson, pages 190-196+.
47. *Popular Science*, January 1946, "Cigar-Box Tesla Coil Works Weird Wonders," Tracy Diers, pages 191-194.
48. See: *The Holy Bible*, Book of Genesis, chapter 1, verses 1-2.
49. The high volume of electrical charge was of the negative polarity, and was produced and flowing out of the world-class nuclear reactor in the core of the Earth-blob.
50. It should here be noted that the sudden release of a high electrical charge in water will cause that water to instantly vaporize. Therefore, the water that covered the 'Earth-blob' would not have been a hindrance to the 'start up' process. The flow of electricity was so great that the water could not even begin to absorb it all. Above the protruding points of the 'Earth-blob' were formed voids in the worldwide sea at those locations where the intense electrical energy was being released.
51. As we consider this electric-wind which appears to have been used to start rotation of the Earth, let us also remember that there is a similar type of propulsion process which is sometimes used in certain space vehicles. This propulsion system is called "ion drive." In this system, the flow of ions, sent in the opposite direct than of vehicle travel, propels the space vehicle as if it had a rocket engine.
 There is also another factor to consider. Earlier in this Chapter, the phenomenon of electrostatic-spin was noted. On the surface of the irregularly-shaped 'Earth-blob' were a number of protrusions, but these protrusions were of various sizes. This situation would have very likely allowed for an asymmetrical charge to exist in the region of the outer Earth. This asymmetrical charge, in itself, would have caused the Earth to begin rotation.
52. There is one other very important natural force which must be mentioned in conjunction with the 'start up' process of Earth rotation. That very powerful force is volcanism. Volcanos can act like immense jets of various gases and materials, which are ejected into the space above them. At the time of Creation, in these early stages of the Earth, the face of the primitive Earth was literally covered with massive volcanos. To start the Earth rotating, numerous immense volcanos could have all worked together, with lateral blasts all in the same direction. This would have produced a force which could have caused the Earth to start rotating.

53. *Microsoft Encarta 98 Encyclopedia, Earth.*
54. Friend, the immense, incessant, worldwide lightning storm which took place at the end of Creation's Day One was discussed in Chapter 18. This lightning storm contained a considerable amount of moving electrical force fields. These, in turn, created moving magnetic fields. The powerful arcs of lightning also produced a broad spectrum of powerful electromagnetic radiation. What would have been the effects of all these moving electric, magnetic, and electromagnetic force fields?
- Please consider the following. There is a phenomenon which is called "cyclotron resonance." It appears that the principles upon which it is based may have been involved with the startup of the Earth, as it began revolving on an axis on Day Two of Creation. These same principles may continue to maintain the rotation of the Earth at its current speed. The principles of cyclotron resonance may also explain the orbits of the Earth and the other planets in the solar system.
- For a simplistic explanation of the phenomenon of cyclotron resonance, and its effects, we now turn to the book *Cross Currents: The Promise of Electromedicine, The Perils of Electropollution* (by Robert O. Becker, 1990). The following is found on page 235: "If a charged particle or ion is exposed to a steady magnetic field in space, it will begin to go into a circular, or orbital, motion at right angles to the applied magnetic field. The speed with which it orbits will be determined by the ratio between the charge and the mass of the particle and by the strength of the magnetic field. We know the frequency of rotation (the number of times per second that the particle completes a full rotation) from the equation relating the charge/mass ratio of the particle and the strength of the magnetic field. If an electric field is added that oscillates at exactly this frequency at right angles to the magnetic field, energy is transferred from the electric field to the charged particle... We can substitute an oscillating magnetic field for the electric field and still obtain cyclotron resonance. However, it must be applied parallel to the constant magnetic field. Cyclotron resonance may be produced any time there is a steady magnetic field combined with an oscillating electric or magnetic field acting on a charged particle."
- Now let us adjust our thinking upward to a world-class scale. The charged particle is now represented by the negatively charged Earth. There are many magnetic and paramagnetic materials contained in the mass of this Earth, and these materials (because of convection currents) were in motion from Day One of Creation. To add one more component to this picture, the lightning storms produced the influential oscillating electric and magnetic fields. (In Chapter 18, it was noted that there are now more than 2,000 thunderstorms occurring at any given moment. Currently, there are about 100 lightning strokes per second, scattered across the face of the Earth. All this moving electrical energy may be a part of the process which maintains the rotational speed of the Earth. At the end of Day One of Creation, there would have been far more thunderstorms than there are now.) As all of the above information is examined, the writer cannot help but see the possibility that all of the electric and magnetic force fields were instrumental in causing the primitive Earth-blob to begin rotating on its axis. As stated earlier, it also appears that these same force fields help to maintain the orbits of the planets in the solar system.
- As a closing thought to this note, the subject of static-electric motors (or influence machines) must be breached. Prior to the first flash of lightning, on Day One of Creation, the building electric-force-fields may have caused a situation which is similar to that which occurs in a static-electric motor. This process may have also played a part in the startup of the Earth's rotation.
55. *Microsoft Encarta 98 Encyclopedia, "Earth."*
56. *Microsoft Encarta 98 Encyclopedia, "Earth."*
57. There is much more to the story of what was occurring as Earth-rotation increased. Further information on this matter will be presented in Chapter 28.
58. There is a possibility that the immense amount of steam jetting outward from the Earth could have also played a part in the overall scheme of things which caused the Earth to begin rotating on its axis, on Day Two of Creation.
59. *The 1998 Grolier Multimedia Encyclopedia, "Magnetism."*
60. *The 1998 Grolier Multimedia Encyclopedia, "Magnetism."*
61. At this point, it should be noted that the sun was not yet created. Therefore, its radiation was not yet reacting with the ozone layer, to create a type of inversion-layer in the atmosphere, thereby effectively trapping moisture in the lower atmosphere. This process is noted further in Chapter 20.
62. It should be noted that the enormous volcanos which then existed on the Earth (volcanoes which were far more immense than anything which is now found upon this Earth) were having steady volleys of tremendous eruptions. The water vapor discharged from these powerful volcanos was sent to an extreme altitude above the Earth.

63. *Rocks From Space*, O. Richard Norton, Second Edition, 1998, Preface, page vi.
64. *Astronomy*, October 1998, "Seeing Spots," Kathy Sawyer, page 44.
65. Please note that the Word of God is not silent about these upper atmospheric waters. In the *Holy Bible*, Book of Psalms, chapter 148, verses 1-6, it is written: "*Praise ye the LORD. Praise ye the LORD from the heavens: praise him in the heights. Praise ye him, all his angels: praise ye him, all his hosts. Praise ye him, sun and moon: praise him, all ye stars of light. Praise him, ye heavens of heavens, and ye waters that be above the heavens. Let them praise the name of the LORD: for he commanded, and they were created. He hath also stablished them for ever and ever: he hath made a decree which shall not pass.*" Indeed, the waters above the heavens were established forever. Friend, this layer of water still exists today. Nevertheless, it has been altered from what it was prior to the Noachic Flood. It appears that almost everything was altered at the time of the Flood.
66. The fossil record (from fossils found on all continents of this Earth) indicates that there was a subtropical climate which existed over the face of the whole Earth, in ancient times.
67. *The Holy Bible*, Book of Ecclesiastes, chapter 12, verses 1-3.
68. Let us never forget the following words found written in the Word of God. *The Holy Bible*, Book of Revelation, chapter 14, verses 6-7, declares: "*And I saw another angel fly in the midst of heaven, having the everlasting gospel to preach unto them that dwell on the earth, and to every nation, and kindred, and tongue, and people, saying with a loud voice, 'Fear God, and give glory to him; for the hour of his judgment is come: and worship him that made heaven, and earth, and the sea, and the fountains of waters.'*" Friend, the only acceptable manner in which to worship and give glory to God is by obedience to Him.