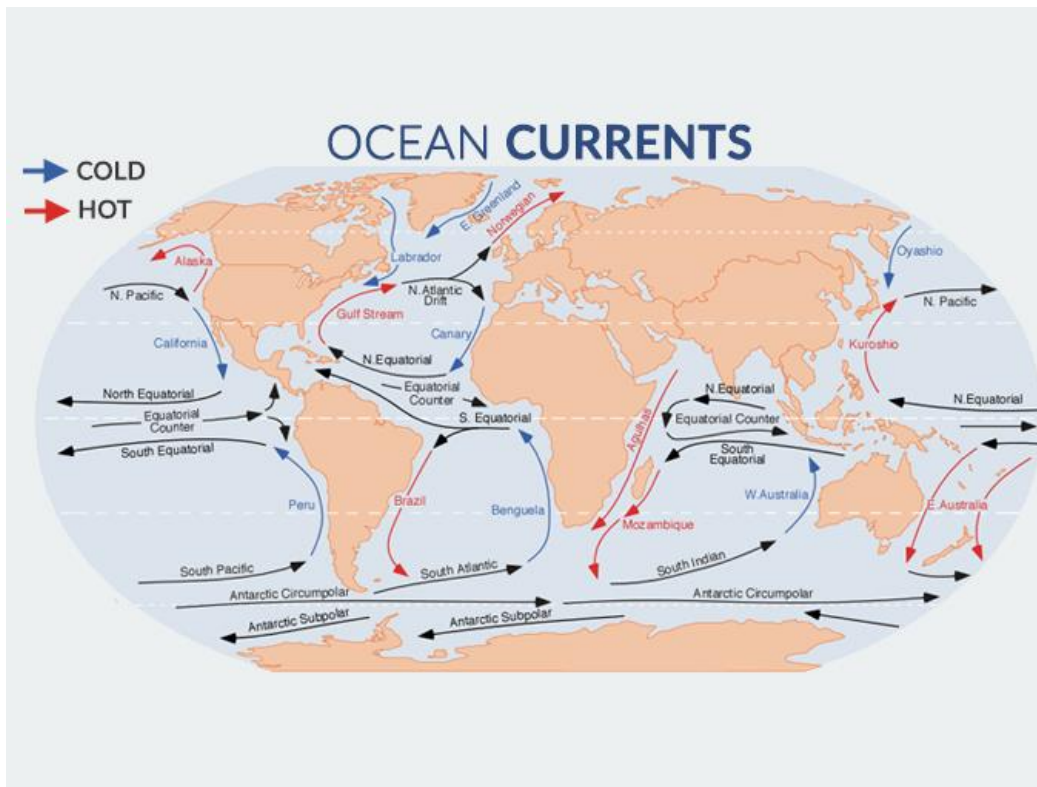




# *Last Days Beacon*

January 2021 - Vol. 6, No. 1 L-59

## SCIENCE PROVES THE BIBLE IS TRUE! Part 2



*By Carol Rushton*

The first part of this series reported what the Bible says about the shape of the Earth and anticipating hygienic practices thousands of years before modern medical science discovered their benefits. The second part of this series will focus on oceanography, hydrology, and light.

### **Matthew Maury, Pathfinder of the Seas**

Thomas Jefferson was serving his second term as president of the United States when Matthew Maury was born in 1806 in Virginia. When he was five, Maury's parents moved their family to Tennessee. Maury was inspired to join the United States Navy when he was only 19 by his older brother's service in the Navy as a flag lieutenant.

Maury served in U.S. Navy for 14 years, including a trip around the world on the *USS Vincennes*, the first American warship to traverse the globe, until a tragic stagecoach accident resulted in numerous fractures in one of his legs. This ended Maury's seafaring career, although he continued to serve in the Navy for years afterward.

Maury was already a published author by the time of his accident. His trip around the world motivated Maury to write his first book, published in 1830, entitled *Navigation After a Voyage Around the World*. His first science article about navigating Cape Horn was published in the American Journal of Science in 1834. His second book, *A New Theoretical and Practical Treatise on Navigation* in 1836 won such acclaim that it replaced the Navy's previous manual on navigation in 1844.

Maury was also a Christian who loved to read the Bible. A few verses stuck out at him, and he pondered them over the years. "Thou madest him to have dominion over the works of thy hands; thou hast put all things under his feet: all sheep and oxen . . . and whatsoever passeth through the paths of the seas" (Psalm 8: 6-8).

It is possible that Maury also read II Samuel 22:16. "And the channels of the sea appeared; the foundations of the world were discovered . . ."

Considering his background, it's no surprise that these verses would impact Maury in such a profound and powerful way. Maury eventually came to believe that if the Bible said there were paths in the seas, then someone should be able to find them.

Although he couldn't physically sail any more, Maury had more time to devote to studying meteorology and sea and ocean navigation, along with winds and currents and how they affected navigation. He eventually became superintendent of the U.S. Naval Observatory and the Navy's Depot Superintendent of Charts and Instruments in 1842. He authored two more books, *Wind and Current Charts of the North Atlantic* in 1847 and *Explanations and Sailing Directions to Accompany the Wind and Current Charts* in 1851, which helped mariners to radically reduce the length of ocean trips using the earth's winds and currents. His discoveries in these areas eventually became used by all navies and ship captains throughout the world.

Maury wrote about the paths in the seas:

There are rivers in the sea. They are of such magnitude that the mightiest streams of the land are rivulets compared to them. They are either of warm or cold water, while their banks and beds are water of the opposite temperature. For thousands of miles, they move through their liquid channels unmixed with the confining waters . . . There is an equatorial current sweeping from east to west all along on either side of the equator, and well-nigh encircling the globe. There are polar currents setting from the polar regions toward the equator: and there are return currents setting from the equator toward the poles" (John W. Wayland, *The Pathfinder of the Seas, The Life of Matthew Fontaine Maury*, 1930, pg. 81).

Maury also successfully mapped the ocean floor in great detail and discovered the ocean waters hid a vast mountain range which he described in his 1854 book, *Bathymetrical Map of the North Atlantic Basin*. In what some consider to be his greatest work, *The Physical Geography* published in 1855, Maury wrote:

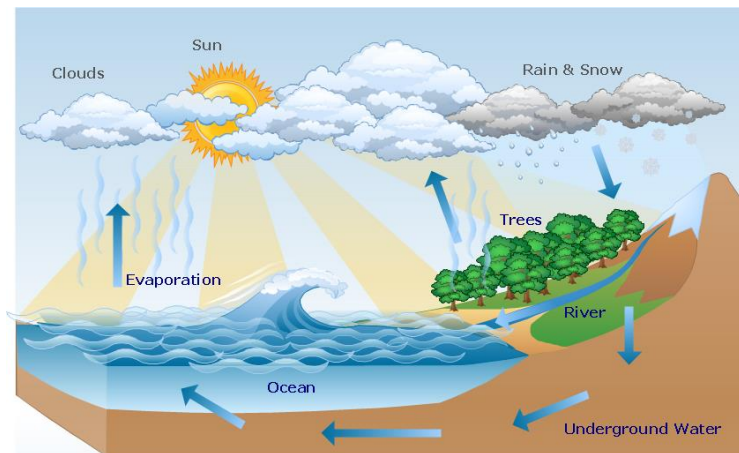
Could the waters of the Atlantic be drawn off so as to expose to view this great sea-gash which separates continents, and extends from the Arctic to the Antarctic, it would present a scene the most rugged, grand and imposing. The very ribs of the solid earth, with the foundations of the sea, would be brought to light (Famous Scientists, <https://www.famousscience.org/matthew-maury/>, accessed December 12, 2020).

Maury agrees with Jonah as the runaway prophet related his experience in sinking to the floor of the Mediterranean Sea in Jonah 2:6, “I went down to the bottoms of the mountains; the earth with her bars was about me for ever . . .” It took another 150 years before National Geographic published their findings of the ocean floor in *Drain the Oceans*. Both Maury and the Bible were years ahead of 20<sup>th</sup> century scientists.

Maury is credited as the first man to accurately describe the Gulf Stream in *The Physical Geography*. In 1853, businessman Cyrus West Field came up with the idea of laying telegraph cables on the ocean floor but wasn’t sure if it would work. Maury gave him the go ahead, and the rest is history.

Maury received many awards and honors throughout his lifetime. He ended his great career by teaching at the Virginia Military Institute. It is no wonder that Matthew Maury is now known as the Father of Modern Oceanography.

### The Hydrologic Cycle



According to Dr. Henry Morris, the hydrologic cycle is “evaporation from the oceans, transportation of the waters inland by the great atmospheric circulation, then electricity to activate condensation and precipitation” (Dr. Henry Morris, *The Henry Morris Study Bible*, 2012, Master Books, Green Forest, Arkansas, Note, pg. 937). The hydrologic cycle is something we take for granted today. So common is it now that children throughout the world learn about it in elementary school.

Did you know that the Bible describes the hydrologic cycle?

Psalm 135:7, “He causeth the vapours to ascend from the ends of the earth; he maketh lightnings for the rain; he bringeth the wind out of his treasures.”

Jeremiah 10:13, “When he uttereth his voice, there is a multitude of waters in the heavens, and he causeth the vapours to ascend from the ends of the earth; he maketh lightnings with rain, and bringeth forth the wind out of his treasures.”

Isaiah 55:10, “For as the rain cometh down, and the snow from heaven, and returneth not thither, but watereth the earth, and maketh it bring forth and bud, that it may give seed to the sower, and bread to the eater.”

Ecclesiastes 1:7, “All the rivers run into the sea; yet the sea is not full; unto the place from whence the rivers come, thither they return again.”

Job 26:8, “He bindeth up the waters in his thick clouds; and the cloud is not rent under them.”

According to Dr. Henry Morris, the Bible accurately describes the hydrologic cycle of the earth. Yet, it was not until 1674 when the French scientist Pierre Perrault published his findings of precipitation and emptying as displayed in the Seine River in his book, *The Origins of Springs*, that the world started to understand the hydrologic cycle described in the Bible thousands of years earlier.

### The First Law of Thermodynamics: Conservation

According to LiveScience.com, “a scientific law is the description of an observed phenomenon. It doesn’t explain why the phenomenon exists or what causes it” (Alina Bradford, “What Is a Law in Science?” July 29, 2017, LiveScience.com, <https://www.livescience.com/21457-what-is-a-law-in-science-definition-of-scientific-law.html>, accessed December 12, 2020).

The Law of Gravity is a scientific Law. So are the First and Second Laws of Thermodynamics.

The First Law of Thermodynamics is also known as the Law of Conservation of Energy. The ScienceDirect.com website states that this law “states that energy cannot be created or destroyed; it can only be converted from one form to another” (Kenneth S. Schmitz, “Five Important Equations in Thermodynamics,” 2017, ScienceDirect.com, <https://www.sciencedirect.com/topics/chemistry/first-law-of-thermodynamics>, accessed December 12, 2020).

Mass can be transformed into other states, like a gas or liquid, but it never ceases to exist. Dr. Henry Morris adds, “Nothing is now being either created or annihilated. An entity may be changed in character and even deteriorate in quality, but it must be conserved in quantity” (Dr. Henry Morris, *The Henry Morris Study Bible*, 2012, Master Books, Green Forest, Arkansas, Note, pg. 989).

While he was a member of France’s Royal Academy during the late 1770s, Antoine Lavoisier was a tax collector by trade but pursued chemistry as a hobby. It was his experiments in chemistry and contributions to science that he is remembered for.

David Bodanis, author of the book, *E-MC<sup>2</sup>: A Biography of the World’s Most Famous Equation*, appeared in PBS’ “Einstein’s Big Idea” in 2005. In the documentary, Bodanis explained, “For a long time, Lavoisier had suspected that the exact amount of matter, the mass, involved in any transformation, was always conserved. But to prove this, he had to perform thousands of experiments. And he had to do the measurements with incredible accuracy” (Nova, “Einstein’s Big Idea,” 2005, PBS, <https://www.youtube.com/watch?v=fyn1I-viYPw>, accessed December 13, 2020).

It took many years for Lavoisier and his wife, Marie-Anne, to prove his theory. “Einstein’s Big Idea” states:

For years, the Lavoisiers burned, chopped, melted, and boiled every conceivable substance. They had shown that as long as one is scrupulous about collecting all the vapors, liquids, and powders created in a transformation, then mass is not decreased. Liquids might become gasses, metals may rust, wood may become ash and smoke, but matter, the tiny atoms that make up all substances, none of it is ever lost. The crowning glory of this opus was their remarkable use of static electricity to cause oxygen and hydrogen to recombine back into water (Nova, “Einstein’s Big Idea,” 2005, PBS, <https://www.youtube.com/watch?v=fyn1I-viYPw>, accessed December 13, 2020).

Lavoisier was still conducting experiments when the French Revolution began with its resulting chaos. Bodanis continues in *Einstein’s Big Idea*.

What Lavoisier did is absolutely central to science . . . what he said is if you take a bunch of matter, you can break it apart, you can recombine it, you can do anything to it, and the stuff of the matter won't go away. If the mob burned Paris to the ground, utterly razed it, shattered the bricks into rubble and dust and burned the buildings into ashes and smoke, turns out if you put a huge dome over Paris and weighed all the smoke, and all the ashes, and all the rubble, it would add up to the exact same weight as the original city and the air around it before. Nothing disappears (Nova, "Einstein's Big Idea," 2005, PBS, <https://www.youtube.com/watch?v=fyn1I-viYPw>, accessed December 13, 2020).

Because Lavoisier was a member of the elite in France, he was seized by the French mob and lost his life by the guillotine.

While Lavoisier's achievement was extremely significant, the pages of Holy Scripture had already spoken about the First Law of Thermodynamics many years before.

Ecclesiastes 3:14-15, "I know that, whatsoever God doeth, it shall be for ever: nothing can be put to it, nor any thing taken from it: and God doeth it, that many should fear before him. That which hath been is now; and that which is to be hath already been; and God requireth that which is past."

Nehemiah 9:6, "Thou, even thou, art LORD alone; thou hast made heaven, the heaven of heavens, with all their host, the earth, and all things that are therein, the seas, and all that is therein, and thou preservest them all; and the host of heaven worshippeth thee."

Colossians 1:16-17, "For by him were all things created, that are in heaven, and that are in earth, visible and invisible, whether they be thrones, or dominions, or principalities, or powers: all things were created by him, and for him: And he is before all things, and by him all things consist."

Hebrews 1:2-3, "Hath in these last days spoken unto us by his Son, whom he hath appointed heir of all things, by whom also he made the worlds; Who being the brightness of his glory, and the express image of his person, and upholding all things by the word of his power, when he had by himself purged our sins, sat down on the right hand of the Majesty on high."

### **The Second Law of Thermodynamics: Entropy**

19<sup>th</sup> Century scientists Lord Kelvin (William Thomson) and Rudolf Clausius are credited with formulating the Second Law of Thermodynamics. Without getting too technical, the Second Law of Thermodynamics states that all systems, whether it is the universe or our bodies, are in a state of decay and running down. Dr. Henry Morris gives the easiest definition.

The aging of the earth and heaven is a relatively recent discovery of science, the universal principle of increasing entropy or decay. This remarkable fact - that every system of any sort or size tends to disintegrate with time - is now recognized as the Second Law of Thermodynamics, and has no known exception. It reflects God's curse on the creation because of sin (Dr. Henry Morris, *The Henry Morris Study Bible*, 2012, Master Books, Green Forest, Arkansas, Note, pg. 909).

Once again, the Bible was ahead of everyone. The following verses describe the Second Law of Thermodynamics.

Psalms 102:25-26, "Of old hast thou laid the foundation of the earth: and the heavens are the work of thy hands. They shall perish, but thou shalt endure: yea, all of them shall wax old like a garment; as a vesture shalt thou change them, and they shall be changed."

Psalms 103:15, "As for man, his days are as grass: as a flower of the field, so he flourisheth."



Psalm 40:8, "The grass withereth, the flower fadeth: but the word of our God shall stand for ever."

Isaiah 51:6, "Lift up your eyes to the heavens, and look upon the earth beneath: for the heavens shall vanish away like smoke, and the earth shall wax old like a garment, and they that dwell therein shall die in like manner . . ."

Ecclesiastes 3:20, "All go unto one place; all are of the dust, and all turn to dust again."

Dr. Henry Morris used the Second Law of Thermodynamics to refute evolution, explaining that the two are diametrically opposed to each other.

(T)he entropy principle applies at least as much to open systems as to closed systems. In an isolated real system, shut off from external energy, the entropy (or disorganization) will always increase. In an open system (such as the earth receiving an influx of heat energy from the sun), the entropy always tends to increase, and, as a matter of fact, will usually increase more rapidly than if the system remained closed! An example would be a tornado sweeping through a decaying ghost town or a cast iron wrecking ball imposed on an abandoned building. Anyone familiar with the actual equations of heat flow will know that a simple influx of heat energy into a system increases the entropy of that system; it does not decrease it, as evolution would demand. Opening a system to external energy does not resolve the entropy problem at all, but rather makes it worse!

. . . If science is to be based on fact and evidence, rather than metaphysical speculations, then entropy does not explain or support evolution at all. In fact, at least until someone can demonstrate some kind of naturalistic comprehensive biochemical predestinating code and a pre-existing array of energy storage-and-conversion mechanisms controlled by that code to generate increased organized complexity in nature, the entropy law seems to preclude evolution altogether. The marvelously complex universe is not left unexplained and enigmatically mysterious by this conclusion, however. It was created by the omnipotent and omniscient King of Creation! If evolutionists prefer not to believe this truth, they can make that choice, but all the real facts of science - especially the fundamental and universal law of entropy - support it (Dr. Henry Morris, "Does Entropy Contradict Evolution?" March 1, 1985, Institute for Creation Research, <https://www.icr.org/article/does-entropy-contradict-evolution>, accessed December 13, 2020).

Lord Kelvin was very accomplished as a scientist; he was even knighted and eventually became an English baron. However, he was also a very strong Christian. He was known for his refutations of evolution, taking on the famous Thomas Huxley, "Darwin's Bulldog." Yet Lord Kelvin maintained throughout his life the belief that God created the universe.

### Light

Most plants, animals, and human beings cannot live without light and heat. Trees, vegetables, flowers, and plant life cannot grow and will die without light. Even on the darkest winter days, light and heat are indispensable.

These are a few Bible verses about light.

Genesis 1:3, "And God said, Let there be light: and there was light."

Genesis 1:1:14-16, “And God said, Let there be lights in the firmament of the heaven to divide the day from the night; and let them be for signs, and for seasons, and for days, and years: and let them be for lights in the firmament of the heaven to give light upon the earth: and it was so. And God made two great lights; the greater light to rule the day, and the lesser light to rule the night: he made the stars also.”

Psalms 74:16, “The day is thine, the night also is thine: thou hast prepared the light and the sun.”

As I had written in a previous article, *Michael Faraday and James Clerk Maxwell: The Two Christian Scientists Who Paved the Way for Albert Einstein and E-MC<sup>2</sup>*, Faraday and Maxwell made profound discoveries in the properties of light and energy, including proving that light is an electromagnetic wave.

At GlimpseofInfinity.com, Ray Majoran as a photographer and a Christian provides fascinating insights about Genesis 1 and light.

As we read in the third verse of the Bible, we see that one of the first things that God ever created was visible light . . . light comes in all kinds of forms and is represented scientifically by a term we've called the *electromagnetic spectrum*: there are gamma rays, x-rays, ultraviolet, infrared, microwaves, radio waves, and then visible light. The very small sliver of light that we can see with our human eyes falls under the category of visible light (Ray Majoran, “Introduction to a Biblical Understanding of Light,” 2020, <https://glimpseofinfinity.com/the-art-of-seeing/introduction-to-a-biblical-understanding-of-light/>, accessed December 13, 2020).

Majoran posts many of his own pictures on his website, including breathtaking photos of deep space. He explains how he is able to take those pictures.

All electromagnetic waves travel at the speed of light, but only a very small portion of that spectrum can be seen by our eyes . . . when I take a photograph using a regular camera and lens, I am capturing the result of visible light. When I capture photos of nebulas in deep space, I can do it using the same method - by capturing the result of visible light. For many of my space photographs, I use a technique called *long-exposure photography*, which captures the result of visible light for an extended period of time so that I can get sharp, clear images.

But there's another method I can also use. With the use of special frequency-specific filters, I can capture things like hydrogen, oxygen, and sulfur - things that the human eye can't see on its own - because they are not part of the visible light frequency. In my deep space photos . . . blue represents oxygen, green is hydrogen, and orange/red is sulfur. These color combinations are also known as the *Hubble Palette* . . .

If you took the entire electromagnetic spectrum of light - radio waves, microwaves, infrared waves, visible light rays, ultraviolet rays, x-rays, and gamma rays - and you stretched that spectrum like a measuring stick from the city of Los Angeles all the way to the city of New York, how much of that spectrum do you think you could see?

The answer: The visible range that you would be able to see is equal to the size of a dime! That's it! (Ray Majoran, “How Much Can We Actually See?” 2020).

For decades, evolutionists have tried to convince the world that the Big Bang created light, suns, stars, planets, and the entire universe. Dr. Henry M. Morris, with the Institute of Creation Research, made this observation for their April 15, 2020 devotion in their *Days of Praise* daily devotional booklet.

(I)t is interesting that modern evolutionary cosmologists find no problem in having light before the sun. According to their speculative reconstruction of cosmic history, light energy was produced in the imaginary “Big Bang” 15 billion years ago, whereas the sun “evolved” only five billion years ago. Thus, even in their attempts to destroy the divine revelation of Genesis, they inadvertently find it necessary to return to its concepts. Light energy somehow had to be “prepared” before the sun and other stars could ever be set up to serve as future generators of light energy. The fact that light is an entity independent of the sun and other heavenly bodies is one of the remarkable scientific insights of the Bible. As the basic form of energy (even intrinsic in the very nature of matter, as expressed in the famous Einstein equation), it is significant that the first recorded word spoken by the Creator was “Let there be light” (Genesis 1:3).

### **A Mighty, Awesome God**

Dr. Geoffrey Simmons couldn’t say it any better.

How complex is too complex for the theory of evolution to explain? The adult blue whale has 100 quadrillion cells, and each cell has up to one billion chemical compounds. How fast is too fast to be an accident? Enzymes work within cells at a millionth of a second. The impact of light on the retina to create vision takes 200 femtoseconds. A femtosecond is a millionth of a billionth of a second . . . how impossible should a body part be? The lens of a human eye has 1000 layers of transparent, living cells.

Or, how unusual should a living species be before it defies the tenets of evolution? There are six-foot tall gutless worms that live at the bottom of the ocean, plants that maintain internal temperatures higher than most mammals, carnivorous sponges, warm-blooded moths, frogs, and turtles that can survive being frozen . . . a breed of near-blind dolphins who never sleep and whose eyes migrate upward after birth, a cuttlefish whose tentacles can shoot out at an acceleration of 25G after hypnotizing its prey (Dr. Geoffrey Simmons, *Billions of Missing Links*, 22, 2007).

We serve a very mighty, awesome God, don’t you agree?

*Carol Rushton is a writer and podcaster for SWPM and is the author of the book, “Understanding Israel and the Middle East,” available at [swpm.us](http://swpm.us).*

Reprints of this publication may be obtained from  
**Southwest Prophecy Ministries (swpm.us)**  
P.O. Box 58043, Oklahoma City OK 73157  
5 copies for \$5.00; 25 copies for \$15.00