

**Life Is In The Blood**

**Bible Writers:**

*1491-1451 B.C.*

In Leviticus 17:11, Moses wrote, "For the life of the flesh is in the blood" (NKJV).

**ANALYSIS:** The Hebrew definition for "life" is that which makes it pos-

sible for an animal to breathe; also vitality.

**FACT:** Moses pronounced that "the life of the flesh is in the blood."

**History of Science:**

*350 B.C.*

Blood-letting is known to have been practiced as early as the 4th century B.C. Herephilos, a physician of the Museum at Alexandria, advocated it as a means to rid the body of disease. Many of his contemporaries also used it as a cure, considering blood a carrier of disease instead of life.

*1800 A.D.*

The barber-surgeons of this country were the professional blood-letters until the early 19th century,

hence the origin of the red stripe on their poles. A conscientious barber-surgeon would bleed a person to free him of disease. This was done while trimming the patient's hair.

The importance of the blood in the biological mechanism has only been comprehended with any adequacy in recent years. In this century, scientists have discovered that the continuance of life depends upon the continued temperature, control, waste removal, and transportation of water, food and regulators to the cells and all parts of the body, and therefore the very life and nourishment of the body are furnished by the blood. ~

(To be continued. See the entire article at : <http://www.allanturner.com/bibleproofs.html>)

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Assembly Schedule

Sunday

Bible Class for all ages \_\_\_ 9:00 AM  
Morning Worship Service \_\_\_ 10:00 AM  
Evening Worship Service \_\_\_ 6:00 PM

Wednesday

Bible Class for all ages \_\_\_ 7:00 PM

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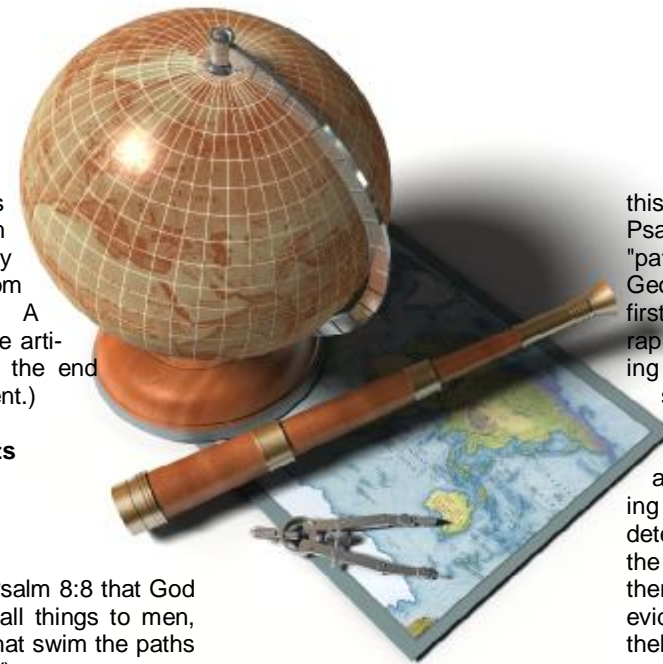
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# NAVARRE MESSENGER

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## The Bible and Scientific Knowledge Part II



(This continues an excerpt from an article by Allan Turner from our last issue. A link to the entire article appears at the end of this installment.)

**Ocean Currents**

**Bible Writers:**

*1015 B.C.*

David said in Psalm 8:8 that God has subjected all things to men, including, "all that swim the paths of the sea" (NIV).

**ANALYSIS:** The Hebrew word "paths" carries the literal meaning of "customary roads."

**FACT:** David knew there were "paths" or "customary roads" in the sea, and that sea life passed through these paths.

**History of Science:**

*1855 A.D.*

Matthew Fontaine Maury is called "The Pathfinder of the Seas." This American is the father of today's oceanography. A statue of him stands in Richmond, Virginia. Inscribed on the base of

this monument is a reference to Psalm 8:8, which mentions the "paths of the sea." His Physical Geography of the Sea was the first textbook of modern oceanography, and he is credited as being the first person to undertake a systematic and comprehensive study of the ocean.

There is an apocryphal story associated with Maury's listening to a reading of Psalm 8:8 and determining to find the "paths of the sea" mentioned there, but there seems to be no historical evidence for such a story. Nevertheless, Maury's systematic and comprehensive charting of the "paths of the sea," has aided commercial fishermen in finding the schools of fish that are frequently found passing through the "paths of the sea" in search of the food (plankton, etc.) that these currents carry along, just as God's Word had said.

## Water-Vapor Cycle

Bible Writers:

2000 B.C.

Job 36:27-28, "For He draws up drops of water, which distill as rain from the mist, which the clouds drop down and pour abundantly on man" (NKJV).

1033-975 B.C.

In Ecclesiastes 1:7, Solomon wrote: "All the rivers run into the sea, yet the sea is not full; to the place from which the rivers come, there they return again" (NKJV).

ANALYSIS: The Hebrew and English meaning of "distill" is the idea that the small moisture droplets of steam or vapor condense and collect into water drops large enough to become heavy and fall.

FACT: These Biblical writers recognized the basic mechanics of the water-vapor cycle. All rivers empty into the sea from higher ground. Drops of water are drawn up forming vapor clouds. These "mist" droplets are transported as clouds until they distill in rain and thus "return" to the "place from which the rivers come."

History of Science:

350 B.C.

Aristotle is accredited with being the first to understand the water-vapor cycle that produces rain. His *Meteorologica* became a standard treatise for 2000 years. In it he theorized that clouds and rain are caused by condensation of water-vapor from the atmosphere that had gotten there by evaporation of water at the surface of the earth. His observations concluded that this was only a localized cycle, where rain replaced the water

in the area from which it vaporized.

1520 A.D.

Until it was known that the earth was spherical, the common belief was that the rivers flowing in to the oceans did not cause the ocean to rise because an equal amount of water was spilling off the ends of the earth. Before Magellan's discovery, no scientist conceived the idea that it was the water of the ocean that was being cycled to provide the fresh water of the rivers.

1770 A.D.

It was not until the 18th century that it was concluded that clouds can transport moisture away from the area in which they were formed. From observations at only a few points, Benjamin Franklin was the first to recognize that individual storms move from place to place over the earth's surface. The river-to-sea-to-river water cycle was published by Benjamin Franklin from his observations, thus greatly aiding the study of weather by men.

1841 A.D.

It is now known that the precipitation and evaporation rate for earth is approximately 16,000,000 tons per second. This is equivalent to an annual rainfall for the entire earth of three feet.

## All Matter And Energy Completed At Universe's Origin

Bible Writers:

1451 B.C.

In Genesis 2:1-2, Moses declared: "Thus the heavens and the earth, and all the host of them, were finished. And on the seventh

day God ended His work which He had done, and He rested on the seventh day from all His work which He had done" (NKJV).

ANALYSIS: The phrase "all the host," which is the Hebrew *kal tsbaah*, carries the meaning of "everything in them," or "everything therein." Thus, Moses wrote that the heavens and the earth were complete, indicating that nothing, neither matter nor energy, has been needed or added since the time of the universe's beginning.

History of Science:

Pre-1841 A.D.

Historical records demonstrate that man's concept of the universe was never one of a closed, finished system after its origin. There was the constant strong belief in a continual creation, or the "spontaneous generation" of living things, and the disappearance into nothing of many objects.

1841 A.D.

Mayer formulated the law of mass and energy conservation which is also known as the First Law of Thermodynamics, which is considered to be the most important and basic law of all physical science. This law states that the sum total of all energy in the universe remains constant, but one form of energy may be converted into another. A companion law is the law of mass conservation, which states that although matter may be changed in size, shape, form, etc., the total mass cannot be changed. These laws teach that no creation or destruction of matter or energy is now being accomplished anywhere in the universe. They teach that the universe is functioning on that matter and

power with which it originally began. We have since learned that forms of energy and matter can be interchanged, but in the process, no new energy or matter is brought into, or taken out of, existence.

## The Universe Is Decaying

Bible Writers:

745-695 B.C.

Isaiah 51:6: "Lift up your eyes to the heavens, and look on the earth beneath. For the heavens will vanish away like smoke, the earth will grow old like a garment, and those who dwell in it will die in like manner; but My salvation will be forever, and My righteousness will not be abolished" (NKJV).

ANALYSIS: To "grow old like a garment" is to deteriorate or decay through age and use.

FACT: The Bible pictures the total universe as deteriorating through age from its original finished state.

History of Science:

1850 A.D.

The first indication science had that the universe was growing old and being used up was the discovery of the Second Law of Thermodynamics, or as it is sometimes referred to, The Law of Entropy. This law is of almost as great a significance to science as the First Law of Thermodynamics. It says that in any energy transfer or change, although the total amount of energy remains unchanged, the amount of usefulness and availability that the energy possesses is always de-

creased. As the total of useless energy increases, the amount of useful energy decreases by the same amount. This ratio is called "entropy." Since all activities of nature, including biological, physical, chemical, etc., involve energy transfers, there must be an ever decreasing supply of usable energy for maintaining the energizing processes in the universe.

An example of this is shown by the use of the spectroscope in analyzing the sun. This study revealed that hydrogen in the sun is being converted to helium at the rate of 4,600,000 tons per second in the process of producing radiant energy. This means that eventually the sun will burn itself out. This is true of all the stars also, so that the physical universe is, beyond question, growing old, wearing out, and running down.

## All Flesh Is Not The Same

Bible Writers:

56 A.D.

In 1 Corinthians 15:39, the apostle Paul wrote: "All flesh is not the same flesh, but there is one kind of flesh of men, another flesh of animals, another of fish, and another of birds" (NKJV).

ANALYSIS: The word "flesh" in Hebrew denotes "meat."

FACT: Paul noted that all flesh is not the same and recorded four types: men, beasts, birds, and fish.

History of Science:

1838 A.D.

Men have always held that flesh,

or meats, were basically the same. Matthias J. Schleiden (1838) and especially Theodore Schwann (1839) established the cell theory, recognizing the cell as a basic unit of structure in both plants and animals. Having only the use of the light microscope, these men and their contemporaries could not make close and accurate observations of individual cells. Their conclusion, therefore, was that all cells were identical and did not originate from other cells. This "common cell theory" was held for years. The cell was considered to be the common building block of all life, thus giving further argument to the theory all flesh is the same. It was argued that all meat had the same construction, built of these common cells.

1930 A.D.

It took the invention of the electron microscope in the early 1930s to give science the tool it needed to look into the cell structure. H. Busch, in 1926, formulated the principle for the operation of this instrument. The best light microscope could not reveal structure below 1/100,000 of an inch. The electron microscope can enlarge this over one-hundred times. The latest combination light-electron microscope can focus images to 1/2,000,000 of an inch. With these instruments it has been learned that there are many different types of cells, rather than one basic cell. A piece of flesh today can be easily analyzed to determine its species. It is interesting that modern science's division of animal life is man, beast, fish, and fowl.

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