

Science and the Bible

Statistics produced by Creation Ministries International

- ❖ For 18-35-year-old Australians, 'Science' was named the number 1 obstacle to faith.
- ❖ Over half (53%) of all Australians say Science and Evolution is an issue that blocks their interest to Christianity. Further more, 1 in 3 (34%) say it blocks them significantly or completely.

Specific scientific facts confirmed by the
Bible

The number of stars

Jeremiah (33:22), under the influence of the Holy Spirit, writes:

As the host of heaven cannot be numbered, nor the sand of the sea measured, so will I multiply the descendants of David my servant and the Levites who minister unto Me.

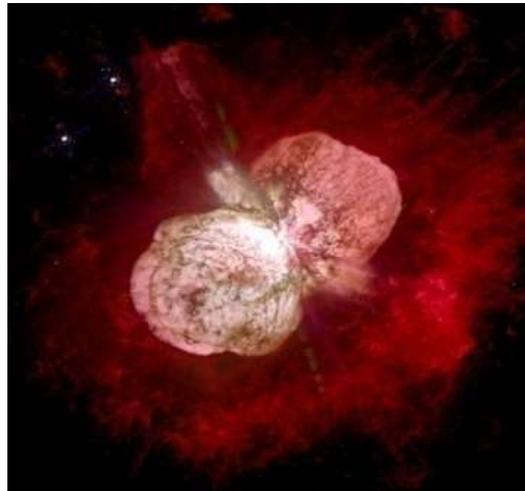
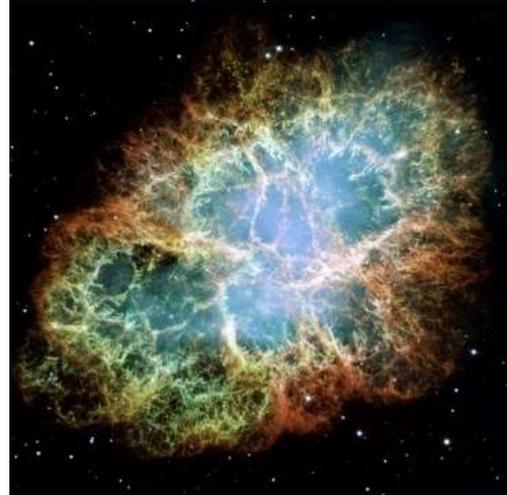
People have been trying to count the stars since Jeremiah's time and have concluded there are a bit over 1,000. But God's word said that they could not be counted. Best efforts put the number at 10,000 billion, but this number is increasing all the time.



The heavens declare God's glory Psalm 19:1

Have you ever looked in amazement at the stars on a clear night?

With the aid of a very modern telescope, it is easy to understand why the Psalmist states that it is the heavens that declare God's glory. Such beauty and symmetry on an incomprehensible scale so appropriately points to the Creator.



He stretches out the heavens

Isaiah wrote in about 700 BC at a time when people thought that the stars were stuck on a canopy that covered the sky and the concept of the depth of the cosmos was inconceivable. Yet the Bible states that the heavens are being stretched. There is a consensus among contemporary cosmologists that the galaxies are not only moving apart but that their movement is accelerating.

There are eleven references in the scriptures to the fact that God stretched or stretches (makes ongoing or makes continuous) the heavens: Job 9:8; Psalm 104:2; Isaiah 40:22, 42:5, 44:24, 45:12, 48:13, 51:13; Jeremiah 10:12, 51:15; Zechariah 12:1.

The earth is round

People thought the world was flat, to the extent that seamen would refuse to go on long sea voyages because of fear of sailing off the edge. In about 700 BC, however, the prophet Isaiah recorded this revealing insight into God's perspective of the Earth:

It is He who sitteth above the circle (גִּזָּר, draw round, make circle) of the earth, and its inhabitants thereof are like grasshoppers. (Isaiah 40:22)

As well, in about 1,000 BC David implies that the earth is round when he writes:

As far as the east is from the west, so far hath He removed our transgressions from us? (Psalm 103:12)

A similar thought is conveyed in Proverbs:

When he prepared the heavens, I was there; when he drew a compass upon the face of the deep. (Proverbs 8:27)

The earth is suspended in space

The ancient Greeks believed that the earth was held on the arms and shoulders of a giant named Atlas. A group of Hindus believed that it was supported on the backs of two huge elephants that stood on the shell of an enormous turtle that in turn was swimming in the cosmic sea. Other ancient peoples simply thought the earth was flat. But the Bible tells us that it is floating in space and nothing holds it up. Job wrote about 3,500 years ago:

He stretcheth out the north over the empty place, And hangeth the earth upon nothing. (, תהו, emptiness, vacuum); He hangs (, תלה, let down, dangle) the earth on nothing (, תלימה, nothingness, not—ought).



The earth is rotating

Luke (17:34-36) depicts Christ's Second Coming as happening while some are asleep at night and others are working at daytime activities in the field—an indication of a rotating earth with day and night occurring in different places at the same time.

Time had a beginning

Both 2 Timothy 1:9 and Titus 1:2 tell us that Christ existed before time began. It is difficult for us to comprehend the absence of time. It was only Einstein's *General Theory of Relativity* that showed time to be a physical quantity like speed and gravity, for example, and that it can vary with either speed or gravity.

Time dilation, which is time slowing, has been observed experimentally when an object is travelling very fast; in fact, time stops at the speed of light.

Time only came into being when the universe did. These verses tell us that Christ existed before the universe (creation) and consequently He existed before time.

Circulation of the atmosphere

Ecclesiastes 1:6 says:

The wind goeth toward the south, and turneth about unto the north; it wirlth about continually, and the wind turnith again according to his circuits.

Here the Bible describes the circulation of the atmosphere, which was not contemplated at the time Solomon wrote these words, in approximately 1,000 BC.

Air has weight

Job 28:25 says:

To make the weight for the wind; and he weigheth the waters by measure.

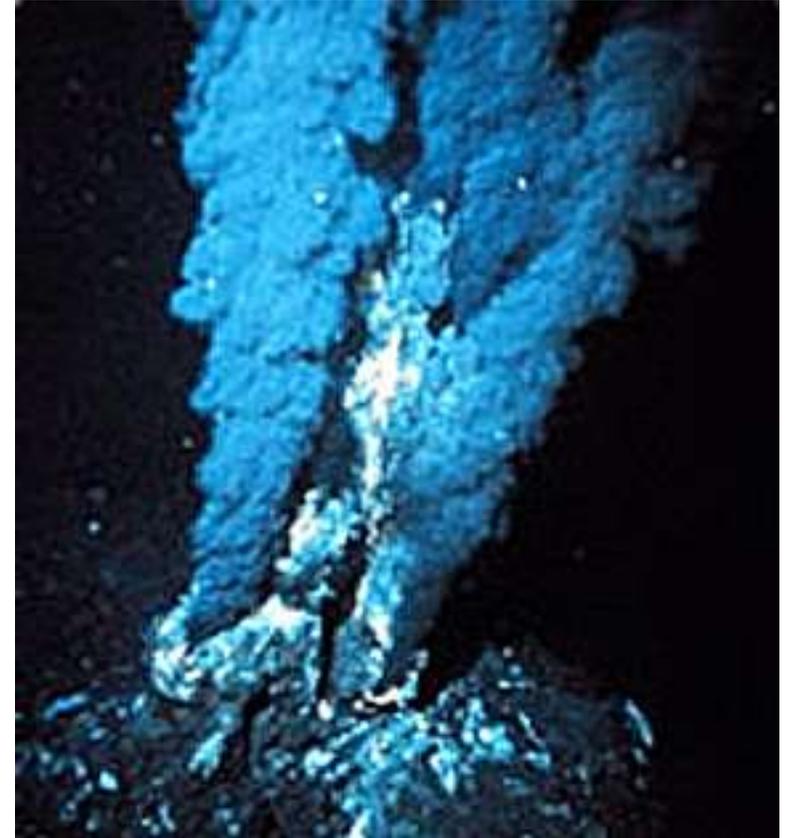
People at the time would have been familiar with water having weight and volume, but not the wind or air. In fact, we live under a lot of air, about 80 kilometers of it, all weighing down on us. We measure it as barometric pressure. Without that weight we would not be able to breathe. We simply open our lungs, and they fill up with air.

Springs in the oceans

Job 38:16 states:

Hast thou entered the springs of the sea?

The idea of springs in the sea would have been quite foreign to Job and his friends, but as is shown in the image, the sea does indeed have springs. This is a hydrothermal vent issuing forth from a deep ocean trench. So, springs in the sea floor certainly do exist.



Entropy (the degree of randomness or disorder in something)

Hebrews 1:10–11 states:

10 And, Thou, Lord, in the beginning hast laid the foundation of the earth; and the heavens are the works of thine hands:

11 They shall perish; but thou remainest; and they all shall wax old as doth a garment;

Who could have known 2,000 years ago that all of creation is wearing out? It is the case. The sun and other stars are burning away, the earth's rotation is slowing and its magnetic field is decreasing in strength. The second law of thermodynamics, which in effect states that the entire universe is becoming less ordered and is being degraded, was not discovered until comparatively recently. Yet the One who inspired the writer of Hebrews knew.

The exponential increase in knowledge and travel

In the twelfth chapter of his book, Daniel records his prophecies that concern the end times, and in verse four, he states:

...many shall run to and fro, and knowledge shall be increased.

Taking this statement as it stands; we are continually amazed at the development of air travel. We can go from country to country in a matter of hours. In fact, we can traverse continents likewise. When we do, we find airports jammed with people doing the same thing. Similarly, knowledge has and is increasing **exponentially**, from communications to transport to medicine. It is happening at such a pace that we find it difficult to keep up with developments.

Paths in the sea

Psalm 8:8 mentions the *paths of the sea*. The sea seems to be just a huge mass of water, so how could it have paths? Man discovered the existence of ocean currents in the 1850s, but the Bible stated it 2,800 years ago.

Matthew Maury is considered to be the father of oceanography. Apparently, he was bedridden during a serious illness and asked one of his daughters to read a portion of the Bible. While listening, he noticed the expression 'the paths of the sea.' Upon his recovery, Maury took God at His word and went looking for these paths. His work on oceanography, which includes ocean currents, cut sailing times dramatically.



As well, he was inspired by Ecclesiastic 1:6:

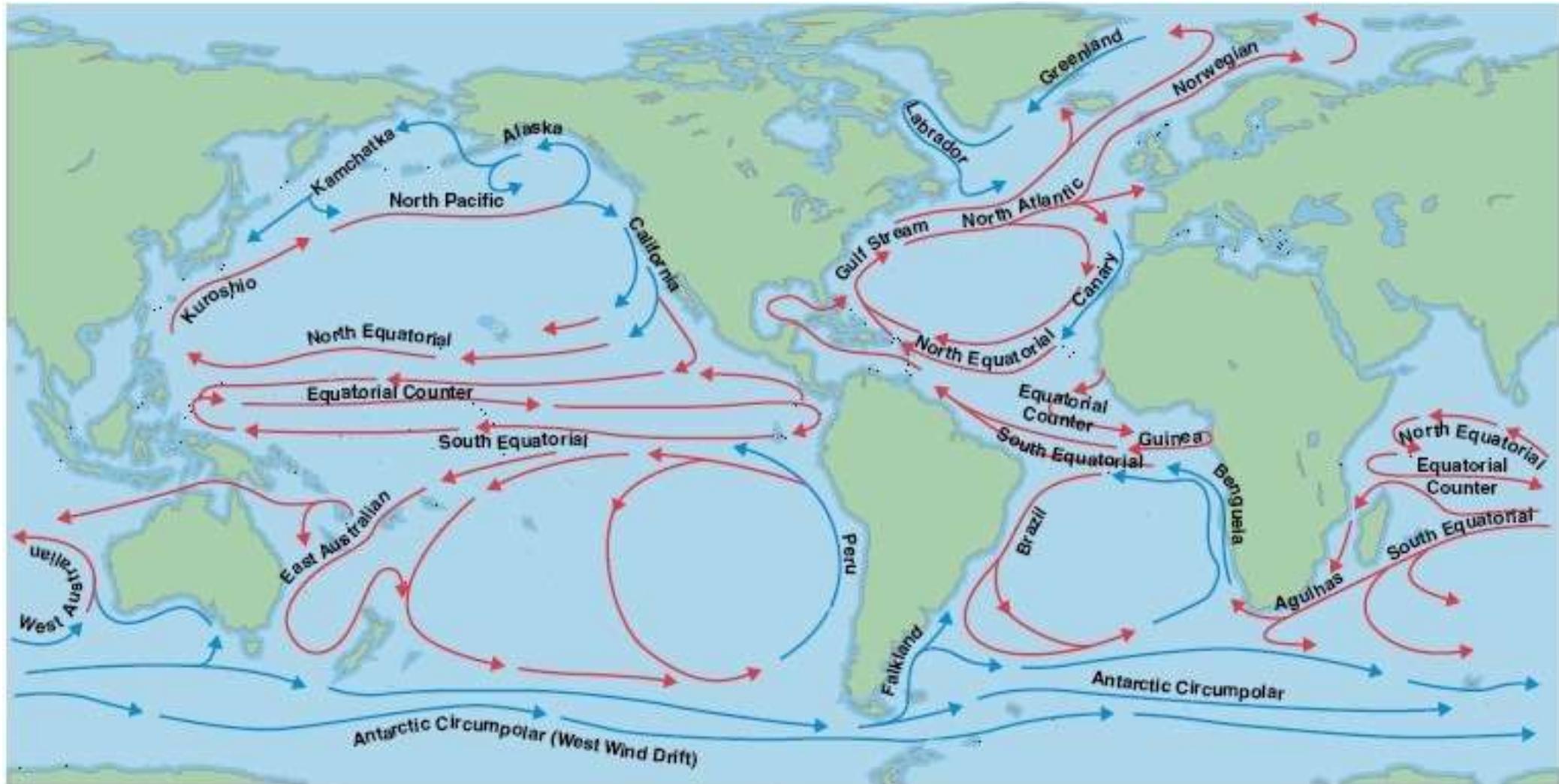
The wind goeth toward the south, and turneth about unto the north; it whirleth about continually, and the wind returneth again according to his circuits.

He concluded that in certain places, the wind might blow predominantly from one direction which would be a significant advantage for sailing ships if they knew it.

His work on oceanography, which includes ocean currents, cut sailing times dramatically, some journeys by three weeks.

Maury Hall was named in his honour at the Naval Academy in Annapolis. He also received honours from many parts of the world, including being knighted by several nations. Many monuments have been created to honour him, and he even has a crater on the Moon named after him. His important contributions to the fields of oceanography and ocean navigation have earned him many titles, including “Pathfinder of the Seas” and the “Father of Modern Oceanography” all because he believed that what the Bible says was true.

Ocean Currents



→ Warm-water current

→ Cold-water current

Each star is different

1 Corinthians 15:41 states:

There is one glory of the sun, and another glory of the moon, and another glory of the stars: for one star differeth from another star in glory.

From earth the majority of stars look the same; only recently, with the aid of powerful telescopes, has it been revealed that every star is different.

The hydrological cycle

The hydrologic cycle, which involves water evaporating from the sea, being transported over the land as clouds, and falling as rain, is mentioned in Amos, Isaiah and Psalms, as well as in Job, who wrote:

27 For he maketh small the drops of water: they pour down rain according to the vapour thereof:

28 Which the clouds do drop and distil upon man abundantly.

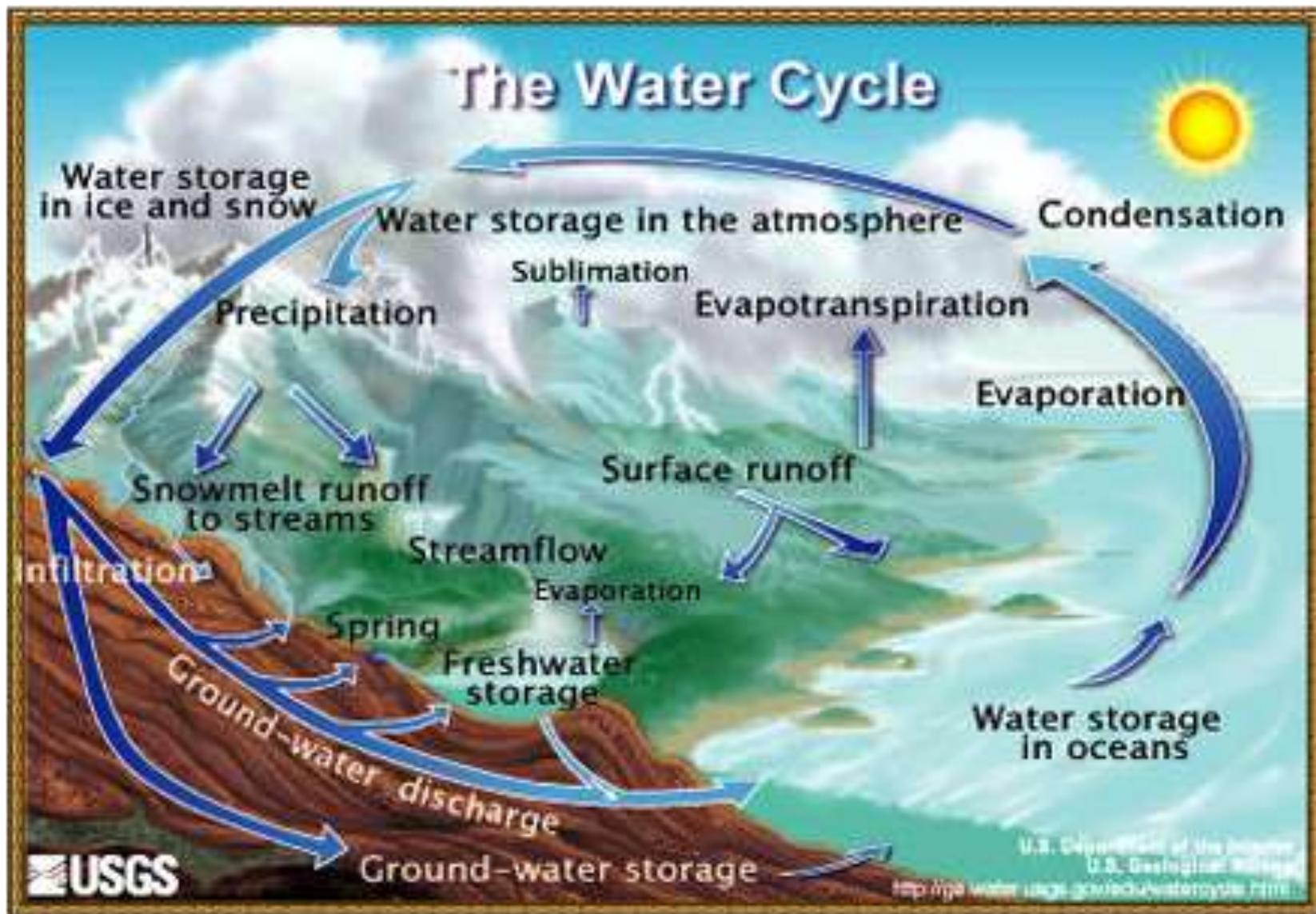
And again, from Solomon in Ecclesiastes:

All the rivers run into the sea; yet the sea is not full; to the place from where the rivers come, thither they return again.

The Bible could not make this amazing cycle any clearer. Yet it was not fully comprehended until many hundreds of years after these texts were written.

Amos 9:6. Isaiah 55:10. Psalm 135:7. Job 36:27–28; Ecclesiastes 1:7.

The Water Cycle



Clouds hold great amounts of water

The book of Job 26:8 states:

He bindeth up the waters in his thick clouds; and the cloud is not rent under them.

Here the emphasis is on how much water the clouds support. The clouds hold millions of tons of water and the consequences of this fact are seen in flooding rain that takes place from time to time. Yet the clouds appear to simply float across the sky. Again, the Bible is correct.

Agriculture

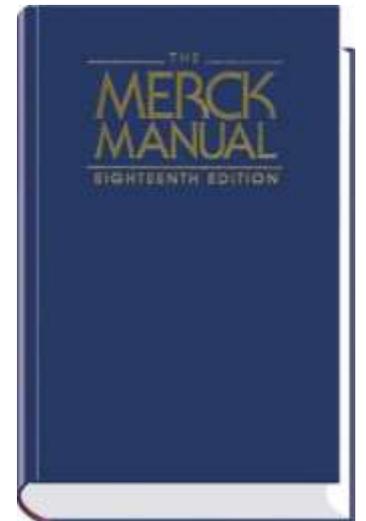
In the book of Leviticus at chapter 25, the Lord instructs Moses to tell the people to let the land rest every seven years. This seems to have two components to it—one agricultural and one spiritual. It is now well-established practice to allow land to rest periodically as continual planting and harvesting depletes the soil of its nutrients and allows for the build-up of viruses.

Again, we see the wisdom of the scriptures. It is interesting that God did not instruct his people to let one seventh of their land rest every year, but rather to let the whole land rest for one year. This is where the spiritual aspect comes in. The people had to trust God to provide for them during the year the land was to rest.

Circumcision

Newborn babies have a heightened risk of continuous bleeding from a cut. The reason for this condition is that the infant's intestinal tract has not had time to develop a healthy population of bacteria. There are approximately 500 different species of bacteria that colonise the human gut. They perform a variety of functions which facilitate living, one of which is the production of vitamin K which is involved in the biosynthesis of a group of coagulation factors, which cause the blood to clot. An important one is factor 11, also called prothrombin. This condition is called hemorrhagic disease of the newborn, caused by vitamin K deficiency. The *Merck Manual of Diagnosis and Therapy*, which is the world's best-selling medical textbook, states that:

Vitamin K deficiency causes hemorrhagic disease of the newborn, which usually occurs 1 to 7 days postpartum.



Circumcision is a very bloody procedure. And the Bible states that it is to be carried out on the **eighth day** after birth. Again, the insight of the Bible is impeccable.

Genesis 17:12; Luke 1:59.

The chemical nature of flesh

It was not until the nineteenth century that chemists started to understand the molecular nature of all substances, including every part of us. But God said that He made Adam from the dust of the ground. And He told Adam that he is going to return there. All the chemical elements necessary to make a person are present in the earth; it is just a matter of joining them in the right way: a simple task for the Lord.

The writer of Genesis would have had no understanding of biochemistry, and the text demonstrates, once again, that God inspired the Bible.

Genesis 2:7. Genesis 3:19.

Adam's rib

It is interesting to notice that in order to fashion Eve, God put Adam into a deep sleep and removed one of his rib bones. From this, He formed Eve. The rib bone is **the only bone in the human body that will grow again if it is removed.**

Surgeons often use a rib or part thereof if bone is required in another part of a person's body, and, providing the periosteum (outer membrane or sheath) is left intact, the rib will regrow most of the time. This fact of the regrowth of ribs would have been completely unknown to ancient people.

Munro IR, Guyuron B (November 1981). "Split-Rib Cranioplasty". *Annals of Plastic Surgery* 7 (5): 341–346 (ncbi.nlm.nih.gov/pubmed/7332200); C. Wieland, creation.com/regenerating-ribs-adam-and-that-missing-rib.

Life is in the blood

Scripture declares that the blood is the source of life. Leviticus 17:11 says:

For the life of the creature is in the blood.

Up until about the 1880s, sick people were often bled in an attempt to heal them and many died from the practice. It is now known that the blood is the source of life. We are composed of cells; muscle, skin, brain, nerve etc, and it is our blood that delivers to them, their life-sustaining oxygen and removes their waste product of carbon dioxide. It carries all of the body's regulating hormones, as well as essential vitamins and minerals. So, if you lose your blood, you lose your life.

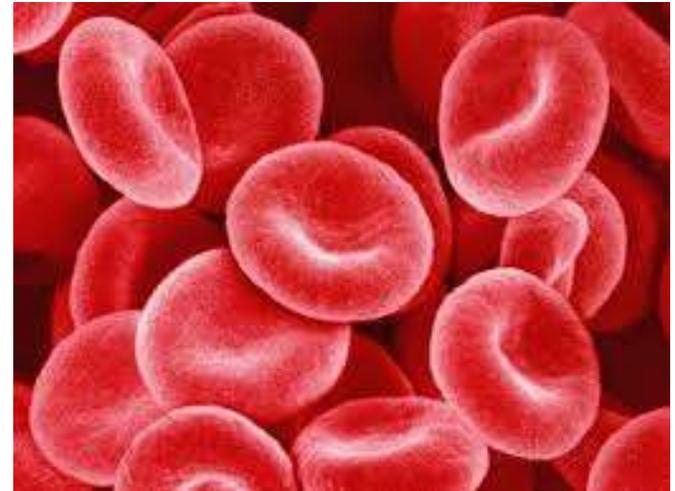
Quite possibly, George Washington lost his life this way.

The uniqueness of Christ's blood

When Adam did what God said he was not to do and ate the fruit of the Tree of Knowledge of Good and Evil, his whole body, including his blood, became defiled and he died both spiritually and (eventually) physically. The process that led to death was instigated the moment he ate. God's punishment infected all of Adam and Eve's offspring and all succeeding generations.

However, scripture speaks of Christ's blood as being different; it was **His own, precious, justifying, cleansing, redeeming, atoning, purchasing, covenanting** etc.

Acts 20:28. 1 Peter 1:19. Romans 5:9. Ephesians 1:7. Romans 3:25.
Revelation 5:9; Hebrews Matthew 26:28.

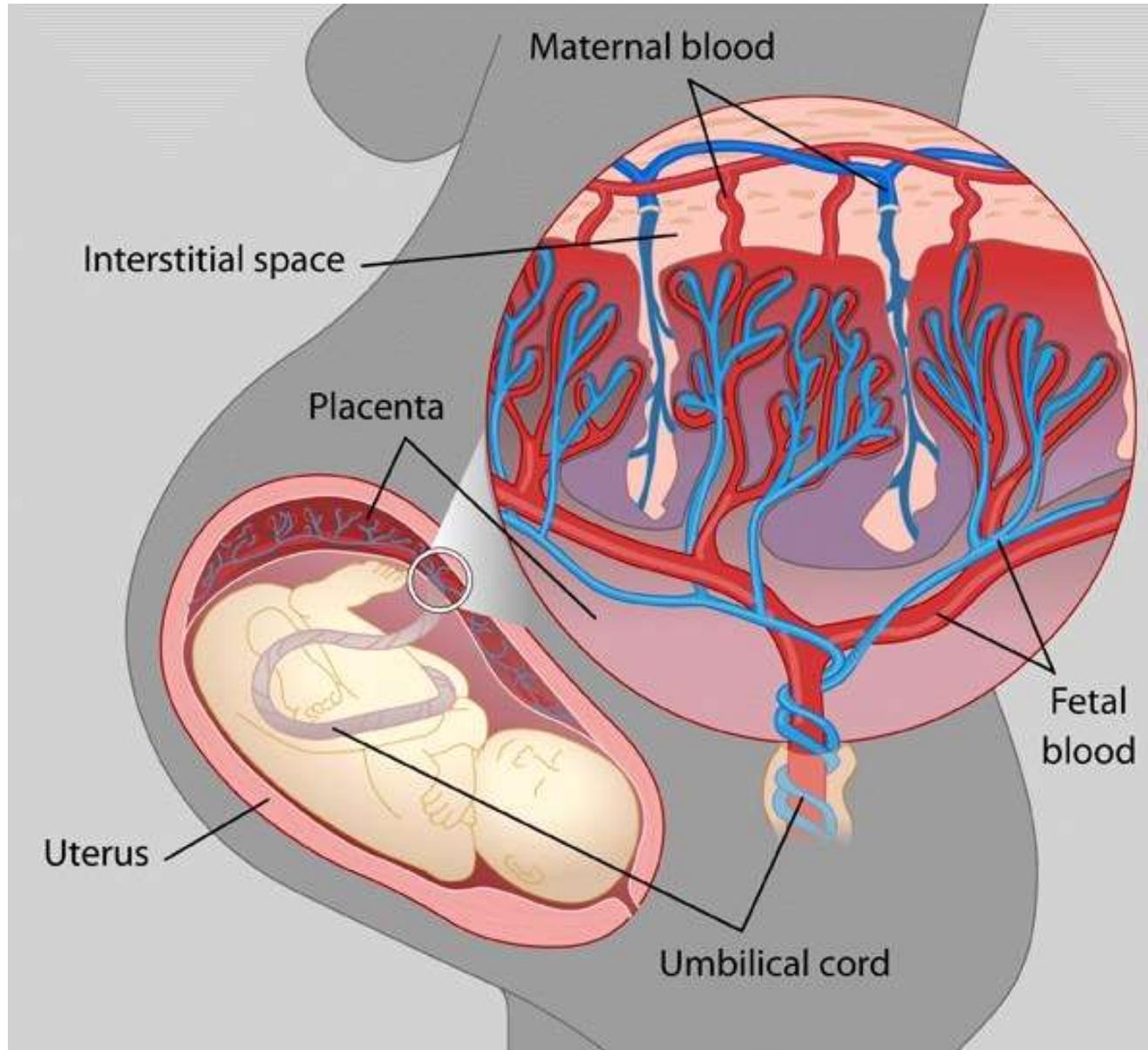


Christ was conceived uniquely by the Holy Spirit, and the human 'Seed' was incubated in a woman. Admittedly, some of the statements regarding Christ's blood are to be taken symbolically, but for the other statements to be true, Christ's pure blood as a embryo/fetus should not have mixed with His mother's blood which would have carried her sinful nature in some way. David said that he was sinful from the moment of conception.

Matthew 1:18–23. Psalm 51:5.

The mother's blood is never mixed with that of her fetus. The two vascular systems are separate, and even though nutrients and waste products transverse the placental membrane freely , the two bloods never mix. In fact, in many cases the mother and her fetus can have different blood groups, and the fact that the mother's antibodies do not attack the fetus as they would any other foreign tissue remains a mystery.

Of course, as with our fallen nature, it can break down when a small amount of the baby's blood leaks into the mother's circulatory system and if the mother's blood is Rh negative and her baby is Rh positive then the mother's antibodies attack the baby's blood. This is known as Rh Disease.



Even to the level of detail of an obscure point such as this, the Bible is found to be reliable and consistent.

Prohibition about marrying within the family

God forbid the marrying within the family: Leviticus 18:6-18; 20:17; Deuteronomy, 27:22.

When a child is conceived, one strand of the mother's DNA combines with one strand of the father's DNA. Both strands contain mutations and at conception, as the two strands line up with one another, the function of the part containing the mutation is taken over by the corresponding part of the other parent's DNA and all is well. However, if the two strands contain similar mutations—as they would in the case where the parents were close relatives—when the two strands come together, the mutations line up and the mutation is expressed in the offspring.

As mutations accumulate, genetic disorders caused by intrafamily marrying are becoming common, not so much in western societies (presumably because our laws and practices were based on the Bible), but they can be in groups who have not had the benefit of scripture. Howard Schneider writes in reference to Saudi Arabia's alarming increase in genetic disorders such as thalassemia, sickle cell anemia, hydrocephalus and diabetes due to intrafamily marriages:

Nevertheless, even in a country hesitant to discuss its most intimate problems with the outside, a public dialog is developing.... Religious sheiks counsel young men to "choose a wife carefully" and with an eye towards health.

A heading in the *Digital Journal* was quite explicit: 'British Muslim Inbreeding Causing Genetic Disorders.'

Again we can see God's instructions to His people still apply today, even though they were given about 4,000 years ago.

Are we at or near the centre of the Universe?

The Bible tells us that God stretched the heavens

Job 9:8; Psalm 104:2; Isaiah 40:22, 42:5, 44:24, 45:12, 48:13, 51:13; Jeremiah 10:12, 51:15; Zechariah 12:1.

Some Bible believing scientists are of the view, that God did all of the stretching on day four of the creation week. This basically means that the sky Adam looked at is essentially the same as we see.

When Edwin Hubble discovered the redshift in the spectrum of stars and galaxies and interpreted them as distance (known as the Hubble Law), he was horrified at the implication that the Earth could be in a special place. He wrote:

*Such a condition [red shifts] would imply that we occupy a unique position in the universe ... **But the unwelcome supposition of a favoured location must be avoided at all costs ... [and] is intolerable** ... moreover, it represents a discrepancy with the theory because the theory postulates homogeneity.*

Hubble, E.P., *The Observational Approach to Cosmology* The Clarendon Press, Oxford, UK, pp. 50–59, 1937.

The big dilemma for atheists is that they cannot tolerate the idea that the earth has a very special place in the universe because it is powerful evidence for creation. Yet this is what the observations and measurements show.

These findings have been in scientific journals now for about 45 years where they have been open to peer review, but the fact that our galaxy (The Milky Way) is at the centre of the universe and all of the other galaxies form shells around it, still stands.

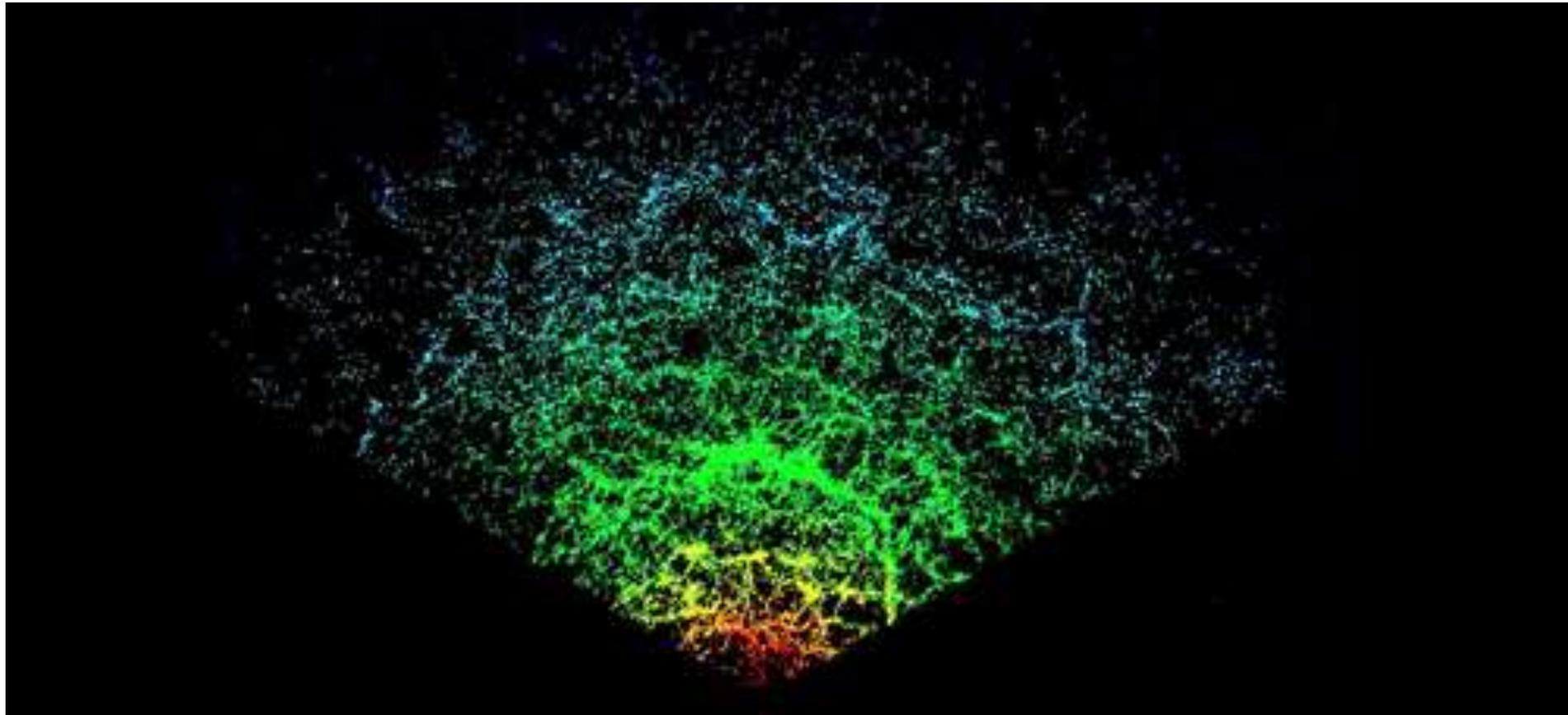
Genesis 1:16, Day four of creation

*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.***

Further measurements

On October 27, 2003, astronomers from the Sloan Digital Sky Survey (SDSS) announced the result of the largest astronomical survey ever undertaken, with more than 200 astronomers at 13 institutions around the world. The SDSS used among other sensitive instruments, a very sensitive digital camera that can take pictures of the night sky in various colours to determine the position and brightness on millions of celestial objects in one quarter of the entire sky.

Sloan Digital Sky Survey (SDSS) map, each point showing the position of galaxies with respect to Earth at the apex. Their distances were determined from their spectra to create a 2 billion light-year-deep 3D map where each galaxy is shown as a single point. Dr John Hartnett, *Journal of Creation* 24(2):105–107 August 2010.



Although the Bible is not a scientific text book, we see over and over again as has been demonstrated, that all that which is stated is true and wherever possible science is confirming it. This fact is strong confirmation of its Divine origin

adefenceofthebible.com