

**The Bible: A Great Source of Modern Science
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Qualifications

- Ph.D. in Nuclear Chemistry
- University Professor 1990-1995
- NSF-sponsored scientist with >\$200,000 in research grants
- Published over 30 articles in nationally recognized peer reviewed journals
- Currently writes junior high and high school science curriculum for homeschoolers

Why is the Bible a Great Source of Modern Science?

- It was written by the One who designed and built nature, so you expect that it contains knowledge about nature's secrets
- It speaks about nature quite a lot. A Designer always imparts knowledge about His design when He speaks of it.
- As man has muddled through history, he has seen that the Bible contains a wealth of scientific knowledge!

**While the cultures around the Jews all had ideas of how the earth was supported:
On The Back of a Titan!**

The Bible tells us:

"He stretches out the north over empty space, And hangs the earth on NOTHING." Job 26:7

While scientists thought the earth was flat even up until the late 1400's

The Bible tells us:

"He has inscribed a circle on the surface of the waters, At the boundary of light and darkness" Job 26:10
"It is He who sits above the circle of the earth" Isaiah 40:22

The Bible was the first to describe the Hydrologic Cycle

"For He draws up the drops of water, They distill rain from the mist, Which the clouds pour down, They drip upon man abundantly." Job 36:27-28
"All the rivers flow into the sea, Yet the sea is not full. To the place where the rivers flow, there they return again." Ecclesiastes 1:7

This was not figured out by science until the early 1600's!

Speaking of Water...

The Bible gives us the first example of water softening:

“Then he cried out to the Lord, and the Lord showed him a tree; and he threw it into the waters, and the waters became sweet.” Exodus 15:25

This process is essentially what is used today to get salts out of water. We call it water softening. Chemists call it ion exchange. Cellulose (the main components in plants) facilitates ion exchange. The right kind of tree, then, definitely will turn bitter water sweet.

The Bible Knows Air Has Mass

“When He imparted weight to the wind And meted out the waters by measure,”
-Job 28:25

Science did not know this until 1640, when Evangelista Torricelli showed that air has mass. While experimenting with mercury, he noted that air exerted a force on mercury. This led to the barometer, which measures air pressure.

Matthew Maury understood that there is science in the Bible

Psalm 8:3-8

"When I consider your heavens, the work of your fingers, the moon and the stars, which you have set in place, what is man that you are mindful of him, the son of man that you care for him? You made him a little lower than the heavenly beings and crowned him with glory and honor. You made him ruler over the works of your hands; you put everything under his feet: all flocks and herds, and the beasts of the field, the birds of the air, and the fish of the sea, all that **swim the paths of the seas.**"

Matthew Maury decided to launch a scientific effort to find these **PATHS OF THE SEAS**

He found the **SHIPPING LANES.**

A monument in his honor reads:

"Matthew Fontaine Maury, Pathfinder of the Seas, the Genius Who First Snatched from the Ocean and Atmosphere the Secret of Their Laws. His Inspiration, Holy Writ, Psalm 8:8, Psalm 107:23-24, and Ecclesiastes 1:6."

The Bible Knows About Thermodynamics

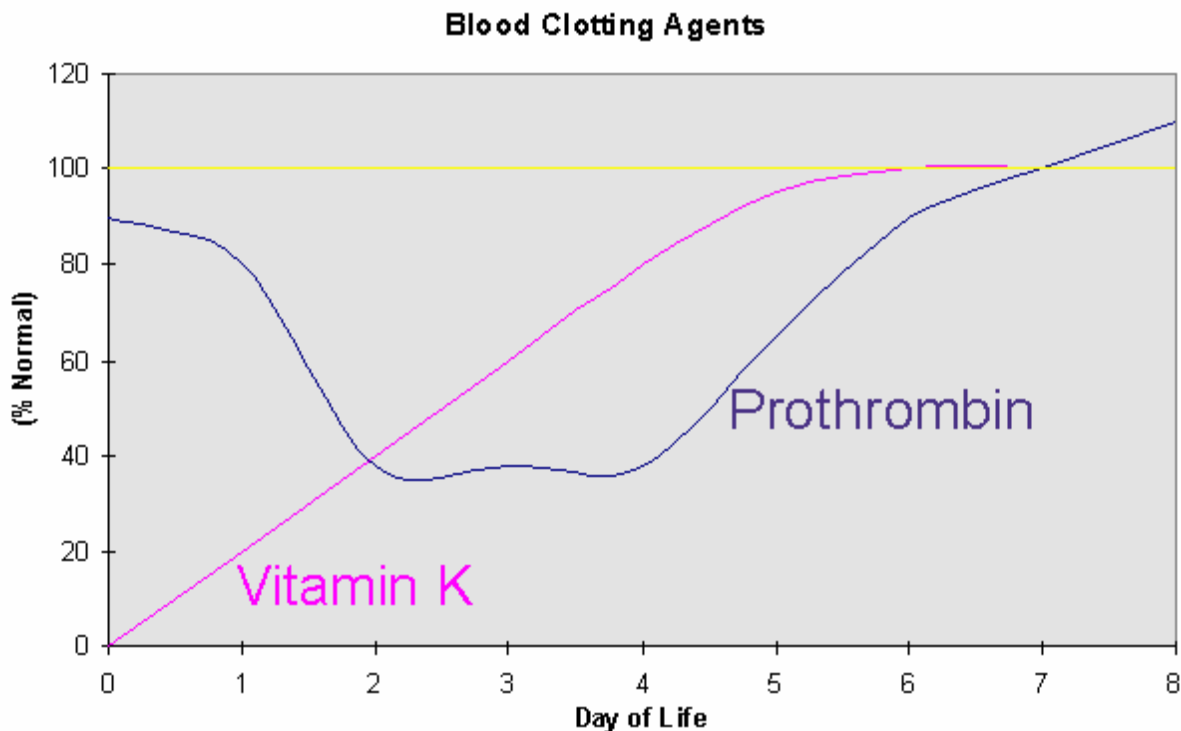
“In the beginning you laid the foundations of the earth, and the heavens are the work of your hands. They will perish, but you remain; they will all wear out like a garment. Like clothing you will change them and they will be discarded.” **Psalm 102:26**

This is a statement of the **Second Law of Thermodynamics**. This was NOT the view of scientists up until the late 1800’s. Scientists up until that time thought that the earth and the universe were constant and never-ending. Rudolf Clausius derived the Second Law of Thermodynamics in 1850, and it was attacked for several years. The mathematics and theory were shown to be correct, however, and it is now one of the most important laws in science.

“Many years of careful measurements by scientists, repeated many thousands of times, established beyond doubt the scientific truths expressed in that verse of Scripture.” **Duane T. Gish**
The Bible Knows Modern Medicine

CIRCUMCISION: Required of all Jewish males on the **eighth day** of life. (Gen. 17:10-12)

- Study of 86,214 women in the Boston, MA area concluded that Jewish women were 8.5 *times* less likely to contract cervical cancer than were other women. Reason: **CIRCUMCISION**
- **Note:** It has become fashionable these days to claim that circumcision is not the reason for the results of the study. However, there is no good evidence to support this claim. In fact, the LATEST study done (April 11, 2002) indicates that HPV (the virus linked to cervical cancer) is 3 *times* more prevalent in non-circumcised as compared to circumcised men.
- Medical science today confirms that the 8th day is the **BEST DAY OF YOUR LIFE** to be cut!



The Bible knew about germs long before science did

The Bible commanded the Jews to dig outhouses.

"You shall set off a place outside the camp and, when you go out; and you shall have an implement among your equipment, and when you sit down outside, you shall dig with it and turn and cover your refuse." Deut. 23:12,13

Even up to the 1800's, it was the rule for excrement to be dumped into the streets! It was a heyday for flies as they bred in the filth and spread intestinal diseases that killed millions. Cholera, dysentery, and typhoid fever could have been controlled by following God's rules.

"...a primitive measure, but an effective one, which indicates advanced ideas of sanitation." Arturo Castiglione

The Bible was the first document to come up with the idea of quarantine:

Leviticus 13 discusses the diagnosis of leprosy. It involves several detailed diagnosis techniques, including temporary isolation. If the person is diagnosed with leprosy, **"He shall remain unclean all the days during which he has the infection; he is unclean. He shall live alone; his dwelling shall be outside the camp."** Leviticus 13:46

"The laws against leprosy in Leviticus 13 may be regarded as the first model of a sanitary legislation." Arturo Castiglione

A Brief History of How Science Learned About Germs

- Ignaz Semmelweis, a Hungarian doctor in the 1840's, was put in charge of a ward in Vienna's most famous hospital, the Allgemeines Krankenhaus. He noticed that in his ward, patients were dying at a rate which far exceeded that of the other wards, even the wards with much sicker patients.
- Semmelweis finally determined that the only noticeable difference was that his ward was the first one that the doctors and medical students visited after they performed autopsies on the dead.
- Based on his observations, Semmelweis hypothesized that the doctors were carrying something deadly from the corpses upon which the autopsies were being performed to the patients in his ward. Semmelweis then developed a way to test his hypothesis. He said that all doctors had to wash their hands after they finished their autopsies and before they entered his ward. Believe it or not, up to that point in history, doctors never thought to wash their hands before examining or even operating on a patient!
- Doctors did not like the new rule, but they grudgingly obeyed it, and the death rate in Dr. Semmelweis' ward decreased *to the lowest in the hospital!* You would think that the doctors would be overjoyed. They were not. In fact, they got so tired of having to wash their hands before entering Dr. Semmelweis' ward that they worked together to get him fired. His successor, anxious to win the approval of the doctors, rescinded Semmelweis' policy, and the death rate in the ward shot back up again.
- Semmelweis spent the rest of his life doing more and more experiments to confirm his hypothesis that something unseen but nevertheless deadly can be carried from a dead person to a live person. Eventually, his views became accepted.

Read Numbers 19:11-22. It gives detailed instructions as to what one must do if one contacts a dead body.

The method specified repeated washing in running water with time intervals allowed for drying and exposure to sun to kill bacteria not washed off. The soap used is even more remarkable. Made by burning together in a fire a young cow, cedar wood, hyssop branches, and scarlet wool, it contained an irritant (cedar-wood oil) that would encourage scrubbing; an antiseptic (hyssop oil) that would kill bacteria and fungi; and a scrubbing element (wool fibers) that would dislodge the bacteria. Even today, hospitals often use a similar granular soap because it is difficult to remove granular soap.

"At long last...man finally muddled through. He learned, after centuries and at a frightful cost, what God gave to Moses by *inspiration*." S. I. McMillen

The Bible knows that the Universe is Expanding

"It is God who removes the mountains, they know not how, When He overturns them in His anger; Who shakes the earth out of its place, And its pillars tremble; Who commands the sun not to shine, And sets a seal upon the stars; Who alone stretches out the heavens And tramples down the waves of the sea;"
- Job 9:5-8

"Bless the LORD, O my soul! O LORD my God, You are very great; You are clothed with splendor and majesty, Covering Yourself with light as with a cloak, Stretching out heaven like a tent curtain."
- Psalm 104:1-2