

Science and the Bible E-Zine

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"Truth: That which is in accord with fact and reality."

This is written so that you may believe the bible because of science rather than in spite of science.

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1) What's Happening at Science and the Bible?

By Max B. Frederick, AnOldScientist

Even after all these years, I never cease being amazed at the uncanny knowledge of reality that is recorded in the ancient scriptures. Recorded in the ancient scriptures of the bible is a *History of Astronomy, Oceanography, Geology, and Ecology* that is in accord with reality. Religious interpretations do contain contortions that are out of accord with reality. Those contortions have found their way into translated versions of the bible. But what it says, in the original language, is in accord with reality.

When you look at the original meanings of the actual words recorded in ancient scripture, you discover they record an uncanny knowledge of things unexpected in religious literature. Words mean what they say when they were written, not what someone later understands them to mean, or what someone later wants them to mean.

In the original writings, the reality of the information cannot be denied. Modern science has recently re-discovered much the same information. That re-discovery is undeniable.

This month, the article delves into ancient information about an important event recorded in the original biblical version of the history of astronomy, oceanography, geology, and ecology.

That event is so important that it is recorded many different times in several different books of the ancient scripture.

Yet, theologians generally ignore two facts, the fact that this event even occurred, and the fact that it is actually recorded in the ancient scripture.

Remember, what we are looking at is not out of a modern book on science, but from the actual ancient scriptures of the bible.

It makes one ask, “Does this new found credibility of ancient scripture lend credibility to its claim about there being life in another realm, about extra-terrestrial intelligent, eternal life?”

2) The Pivotal Event

The Pivotal Event

By **Max B. Frederick, AnOldScientist**

“ And the earth (ground, rocks, soil; continents) was without form (not formed) and void (not exist), and darkness was over the face of the deep (the ocean)...”

Moses : c. 1445 BC. *Introduction to Creation II*, Genesis 1: 2 (KJV)

“And God said, Let the waters under the heaven be gathered together unto one place, and let the dry [land] appear: and it was so. And God called the dry [land] Earth; and the gathering together of the waters called he Seas:...”

Moses: c. 1445 BC. *Seven-Day Creation Account*, Genesis 1:9,10 (KJV)

The bible contains a wealth of information about the beginnings; about pre-historic events in such realms as astronomy, geology, oceanography, and ecology. This article is not about human history or about religion. It delves into information about topics that are considered to be in the realm of reality, about what the bible calls the heavens, the earth, the deep, and living things. The heavens, we recognize as astronomy. The earth, defined as the ground, including rocks and soil, we call geology. The deep is the deep water we call the oceans or seas and knowledge about it is called oceanography. And living things is now all summed up in the realm we call ecology. These are realms claimed by modern science.

According to the bible, a major event around the time of the origin of the geologic record involves the separation of geology from oceanography.

“And God said, Let the waters under the heaven be gathered together unto one place, and let the dry [land] appear: and it was so. And God called the dry [land] Earth; and the gathering together of the waters called he Seas:...”

Moses: c. 1445 BC. *Seven-Day Creation Account*, Genesis 1:9,10 (KJV)

It is a particularly important event and it is described in many places in the ancient

scriptures. That one event is very important in determining the time order of other such events of pre-human history recorded in the bible.

That event is sometimes called, *The Emergence of the Continents*. It could be called, *The Pivotal Event* of past ages.

Before that event, according to the ancient scriptures, there was no land mass above sea level. The complete surface of the planet Earth had been covered with water.

It had not always been that way. Many events occurred leading up to this. At an earlier time the primordial planet earth had existed without any significant accumulation of surface water. There was no such thing as oceans, or even rain. The only water present on the surface was mist or vapor that spewed out from beneath the surface. After this, the atmosphere formed, then the oceans were filled. These details, and many more are mentioned in the bible, along with their order of occurrence. Suffice it to say, by the time of The Pivotal Event, a lot had already happened. And a lot was yet to happen in the chain of events in such non-religious realms as astronomy, geology, oceanography, and ecology.

In the bible there are many, various accounts revealing this history of astronomy, geology, oceanography, and ecology. Comparing all these biblical accounts, one can piece together a time ordered list of events in the history of existence from eternity past, to eternity future. That time ordered list includes many events from the earliest times up to now, and some projections into the future—like another coming repeat of the mass extinction cycle.

From the ancient scripture accounts alone there are sufficient time-line clues to assemble a chronological ordered history of events.

There is no need to start with the chronology of modern science and “re-interpret” the bible to agree with it. The biblical chronology can be compiled without reference to the recent discoveries of modern science. Yet, it agrees completely with the order of events that has been more recently discovered and assembled by modern science.

There are many types of chronology clues. Some of the accounts make two passes through the time line. Each pass may go either backward or forward in time. Sometimes it goes both ways from a central event. In other accounts, the chronology clues are as simple as statements of what did, or did not, already exist at that time, or before that time, or after a particular event.

Yet, all accounts are consistent in the order of events when compared to each other.

(There is one exception. There is one account that has two chronologies, one superimposed over the other. The underlying chronology is consistent with the other biblical accounts. The superimposed chronology is not consistent with either the other biblical accounts or with reality. Apparently this superimposed chronology was added to illustrate an unrelated point, similar to a fictional parable. Unfortunately for those who wish for a time scale, this is the only account with a time scale. Therefore, even though the order of events can be accurately determined, the time scale for the order of events that is consistent, is conspicuously absent.)

“The Emergence of The Continents” is the one central event around which several of the accounts pivot. An account may mention this event, then go either backward or forward in time, then return to this central event and go the other direction in time.

The significance of this event is, before it occurred, there were no continents, only ocean. There was no dry land for land based life to exist. After this event, dry land that had been under water was now lifted up high above its former place where it was no longer washed over by the oceans. The continents are standing up to thousands of feet above sea level similar to what we see today, teeming with land based life in a fully developed ecology.

Before this event, the planet earth was completely covered with the water of the ocean as stated in the second verse of the bible where it says there was ocean, but no continents.

“ *And the earth (ground, rocks, soil; continents) was without form (not formed) and void (not exist), and darkness was over the face of the deep (the ocean)...*”

Moses: c. 1445 BC. *Introduction to Creation II*, Genesis 1: 2 (KJV)

Psalms 104 makes it a little more clear:

^{6a} *Thou coveredst it (mantle*) with the ocean as [with] a garment:*

^{6b} *the waters stood above the mountains.* ^{7a} *At thy rebuke*

^{7b} *they (the waters) fled;* ^{7c} *at the voice of thy thunder*

^{7d} *they (the waters) hastened away.*

^{8a} *The mountains go up,*

^{8b} *the valleys go down*

^{8c} *unto the place which thou hast founded for them.*

^{9a} *Thou hast set a bound that they (the oceans) may not pass over;*

^{9b} *that they (the oceans) turn not again to cover the earth (continents).*

David : c. 1015 BC *Chronological Order of Creation*, Psalms 104

*The mantle is the modern name of a layer of our planet that is below the continents and oceans. It is frequently referred to in the bible (KJV) as the “foundations of the earth”, and defined as that which holds the continents up above sea level by buoyancy, as though the continents were “floating” in the “foundation” below.

In this account, more information is given in greater detail. In fact, overwhelming detail is given in so many different biblical accounts that there is no question this is talking about a time when the planet earth was covered with water having no continents above sea level, after which occurred The Pivotal Event when the continents emerged from below sea level, and came to equilibrium above sea level. In all the biblical accounts, when you consider the actual meanings of the original words used in the ancient scriptures, (in this article indicated in parenthesis) the details become very clear.

In this Psalm 104 account, The Pivotal Event is placed in the proper time-sequence position. The above passage comes after reiterating (in chronological order) the light at the beginning, the expansion of the universe, the abundance of water in outer space, the development of the stars, our sun, the solar system, the abundance of water in our solar system, and details of the development of our own planet, finally, the author comes to that Pivotal Event, the conditions at that time, and its lasting effect as the beginning of our land based ecology.

In the nearly three dozen major biblical accounts that present the historical record of past ages in the realms of astronomy, geology, oceanography, and ecology. This

emergence of the continents is one of the most often mentioned events.

Even in biblical accounts not dealing specifically with these aspects of the beginnings, the bible makes other mentions that indicate knowledge of the reality that the continents had not always existed above sea level, but is now the stable condition.

“Fear before him, all the earth: the world also shall be stable, that it be not moved... Let the sea roar...” 1 Chronicles 16:30, 32,

Even the Ancient Egyptian myths concerning the beginnings mention the rising of the continents from below sea level—but they have very little else in common with reality. Yet, the accounts of the beginnings found in the ancient Hebrew scriptures, when you remove the confusing theobabble, are completely in accord with reality.

The Pivotal Event is a big deal in the progression of geology, oceanography, and ecology as recorded in the ancient scriptures of the bible..

Long before Moses existed, Job recorded a conversation with God. Job was talking to God, describing Him as The One...

⁵ *Which shifts the mountains...overturneth them in his anger*

Is this a mantle overturn event?

⁶ *Which shaketh the continents out of her [former] place,
and the mantle beneath trembles*

This is a description of tectonic activity during the Emergence of the Continents.

⁷ *Which commandeth the sun, and it shines not; and sealeth up the stars*

Darkness may be due to tectonic disruption in a catastrophic event as continents emerged.

Job, c. <1500 BC. *The God Alone Creation Account*, Job 9

Not long after that God, talking to Job, fills in more details. This time it is God giving Job a science quiz, and in asking the questions gives details. It is the second question that addresses The Pivotal Event of the emergence of the continents from below sea level—the forming of the continents.

An Ancient Science Quiz

¹ *Then the LORD answered Job out of the whirlwind, and said,*

² *Who [is] this that darkeneth counsel by words without knowledge?*

³ *Gird up now thy loins like a man; for I will demand of thee, and answer thou me.*

The First Question

⁴ *Where wast thou when I laid the foundations of the dry land (Continents)?
declare, if thou hast understanding.*

^{5a} *Who hath laid the measures thereof, if thou knowest? or*

^{5b} *Who hath stretched the line upon it?*

^{6a} *Whereupon are the foundations of the foundations fastened? or*

^{6b} *Who cast out the corner stone thereof;*

^{7a} *When the first generation stars were blowing out together,*

^{7b} *And all the members of God*

^{7c} *gave a blast?*

The Second Question

- ^{8a} Or [who] shut up the sea with doors,
^{8b} When it [the land] brake forth,
^{8c} [as if] it had issued out of the womb?
^{9a} When I made the cloud the garment thereof,
^{9b} And thick darkness a swaddlingband for it,
^{10a} And brake up for it my decreed [place],
^{10b} And set bars and doors,
^{11a} And said, Hitherto shalt thou come, but no further: and
^{11b} Here shall thy proud waves be stayed?

God, c. <1500 BC, Creation Account: *Introduction to Creation I,*
The Bible: Job 38:1-11

About the time Moses was eighty years old, before he recorded the book of Genesis, Moses was aware of The Pivotal Event. When he recorded the 90th Psalm he included it in his time ordered list of events of the geologic and ecologic history of the beginning times.

Here is an excerpt from that Psalm. Just as in the opening of the book of Genesis, Moses mentions the same Pivotal Event in the introduction to this creation chronology, Moses here describes it as the bringing forth of the mountains in the processes of forming of the continents (“continents” is commonly translated “earth”).

- ^{2a} Before the mountains were brought forth,
^{2b} or ever thou hadst formed the earth (dry ground/continents)

Notice, same writer, similar wording to Genesis 1:2’s
“without form” in referring to the same continents/dry ground.

- ^{2c} and the world,
^{2d} even from Everlasting-to-Everlasting,
^{2e} thou [art] God.

Moses Creation Account 1: c. 1446 BC. *Everlasting-to-Everlasting*, Psalms 90

Then, when Moses assembled several pre-existing accounts of the beginnings up front in the Book of Beginnings (Genesis), it is no wonder that the two events Moses selected to highlight in the introduction were, first, the original beginning of the universe, and second, the beginning of the dry ground, that event when the continents that hadn’t been *formed* yet, were *formed* by rising to be above sea level.

In this Genesis introductory account, as well as in the introduction to Psalm 90, you will notice, every point of detail is a subset of the complete set of details that God gave in His question to Job. Moses was no doubt very familiar with that account of the origins in the book of Job from whence these details might certainly be copied.

As a side note, as many scholars have noted, the variations in writing fundamentals indicate much of the book of Genesis was most likely not the original work of one author—namely Moses. A common theory is, the book of Genesis is a fraud written much later by very intelligent theologians attributing their writing to Moses, for the purpose of giving it more credibility. More likely, considering the uncanny validity of the information contained therein, information that is in the realm commonly claimed by modern science, information that is beyond the comprehension of

theologians, more likely, the reason we see that multiple writers were involved is the fact that Moses collected existing accounts into the Mosaic book of beginnings, the biblical book of Genesis.

It becomes obvious, Moses used one of those pre-existing accounts as an introduction. That introduction, consisting of the first two verses of the bible, is an edited (Readers Digest style) version of an account from the book of Job:

^{1a} *In the beginning God created the sky and the land.*

^{2a} *And the land was not formed, there was none; and darkness covered the surface of the ocean, and a powerful wind [the wind of God] blew across the surface of the waters. “*

Moses Creation Account 2: c. 1445 BC. *Introduction to Creation II, The Bible, Genesis 1: 2*

Translating the first verses of the bible, using the actual meanings of the original words as above, clearly shows the consistency of the various accounts. It is this consistency that makes this one important event a key to the chronology of all the accounts that contain this major event.

The next account Moses put in the up front collection of creation accounts at the beginning of The Book of Beginnings also contains this same event. In this third account compiled by Moses, it is mentioned in verses 9 and 10.

^{1:9a} *And God said, Let the waters under the sky*

By then the earth was covered by the oceans.

^{1:9b} *be gathered together unto one place,*

Notice it does not say the land was to be all connected.

Rather it correctly states all the oceans were to be all connected.

^{1:9c} *and let the dry [land] appear:*

Prior to this there was no dry land; no continents were above sea level.

^{1:9d} *and it was so.*

Continents began to emerge

^{1:10a} *And God called the dry [land] continents;*

Continents established to be above sea level.

^{1:10b} *and the gathering together of the waters called he oceans:*

After this the surface of the planet is continents surrounded by oceans.

Moses Creation Account 3: c. 1445 BC. *Seven-Day Creation Account, The Bible, Genesis 1:3-2:3*

In Moses' fourth account of creation, the One-Day Account, this event is only mentioned in passing. From the writing fundamentals, another, different pre-existing account was the source of the information in this fourth account starting in verse 4 and continuing through verse 6 of the second chapter of the bible.

This account contains a vivid description of the conditions existing on this planet before the oceans were filled as described before The Pivotal Event in the prior Moses account. That means the time when there was no rain on this planet was before there was water to fill the oceans. This was a time when the only water on the surface was that spewing from such things as volcanic vents and when there was no such thing as ecology on this planet.

It is a common misinterpretation to think that this time when there was no rain was immediately before the flood of Noah. That is not what the bible says. The event before which there was no rain was several events before The Pivotal Event, not just immediately before the flood of Noah. When comparing all the accounts of the beginning times, this becomes abundantly clear. The problem is, since most of the descriptions of this pivotal event indicate an abundance of water, it is automatically assumed to be the flood of Noah. Clearly, it is not. It is much earlier in the time-line, at a time when, as it is obviously stated, there were no humans.

Here, in full, is the fourth account of the beginnings attributed to Moses. It is a snapshot description of the conditions before the oceans were filled, before the mountains gathered up, and before their emergence to become continents. It is at a time before ecology existed. (The main point of the account is, the design for the herbage already existed before the conditions for it to grow existed.)

- ^{4a} *This is the chronology of the origins
of the heavens (sky/atmosphere) and
of the earth (continents including ecology)*
- ^{4b} *when creation occurred in the day that the LORD God made
the earth (continents including ecology) and
the heavens (sky/atmosphere), and*
- ^{5a} *every shrub of the ecology
before it grew in the ground and*
- ^{5b} *all of the herbage of the ecology
before it started sprouting.*
- ^{5c} *The LORD God had not yet made the rain on the earth
(hydrologic cycle),
before any shrub of the ecology grew in the earth and
before any of the herbage of the ecology started sprouting,
and*
- ^{5d} *There existed no human to work the ground,*
- ^{6a} *Vapor spewed up from the earth,*
- ^{6b} *and caused water*
- ^{6c} *on all the panorama of the ground (whole surface.)*

Moses Creation Account 4, c. 1445 BC,: *One-Day Creation Account,
The Bible: Genesis 2:4-6*

Note: verse 7 goes on to describe the formation of man of the dust of the ground. There is a disconnect in the literary fundamentals between verse 6 describing the conditions before The Pivotal Event and verse 7 describing the formation of man, which occurred much later in the chronology. This disconnect indicates verse 7 is the first verse in Moses' fifth account, *The Ecology of Paradise*, in Genesis 2:7 – 3:24.

In any event, this snapshot in time is when there was no rain on this planet, when humans did not exist, and when ecology did not exist. All this is clearly stated.

The list of accounts containing mention of The Pivotal Event goes on.

In the book of Proverbs, in chapter 8 there is a character who goes by the name, "Wisdom" who claims to have been there with God from the beginning. This character, Wisdom, gives an eye-witness account of the chronology of beginning

times, with a listing of many events. Included in the list are the time when there was no ocean, even when there were no fountains abounding with water when there was no ground, when the atmosphere formed, when external water was added to the oceans and finally, the following appears:

²⁶ *While as yet he had not made the earth,
nor the fields,
nor the highest part of the dust of the world...*

^{29a} *When he gave to the sea his decree, that the waters should not pass his commandment:*

Wisdom: c. 970 – 930 BC: Eyewitness To Creation, Proverbs 8:22-31

Even an abbreviated, one verse long chronology in Isaiah includes The Pivotal Event:

^{5a} <i>Thus saith God the LORD,</i>	God, the Lord pre-existed the universe.
^{5b} <i>he that created the heavens,</i>	The creation of the universe
^{5c} <i>and stretched them out;</i>	The expansion of the universe.
^{5d} <i>he that spread forth the earth,</i>	The emergence of the continents.
^{5e} <i>and that which cometh out of it;</i>	Eon of complex life forms.
^{5f} <i>he that giveth breath unto the people upon it,</i>	Human species first appears.
^{5g} <i>and spirit to them that walk therein:</i>	Man became a living soul.

Isaiah, c. 700-680 BC, Creation Account: *Expanding Universe, The Bible: Isaiah 42:5*

Someone, around 450 BC anonymously wrote a psalm containing The Pivotal Event in a random appearing set of praises concerning the beginning times:

³ *O give thanks to the Lord of lords: for his mercy [endureth] for ever.*
⁴ *To him who alone doeth great wonders: for his mercy [endureth] for ever.*
⁵ *To him that by wisdom made the heavens: for his mercy [endureth] for ever.*
⁶ *To him that **stretched out the earth above the waters**: for his mercy [endureth] for ever.*
⁷ *To him that made great lights: for his mercy [endureth] for ever:*
⁸ *The sun to rule by day: for his mercy [endureth] for ever:*
⁹ *The moon and stars to rule by night: for his mercy [endureth] for ever.*

Anonymous, c. <450 BC, Creation Account: *Wonders by Wisdom, The Bible: Psalms 136:3-9*

Finally, in his *Eternity to Eternity* account, in which he quotes Moses' *Everlasting to Everlasting* account, in a full chapter long rebuttal to the widespread misinterpretation of the six days of creation as being the actual schedule of beginning time events, Peter also cites The Pivotal Event in verse 5d and 5e:

^{5a} *For this they willingly are ignorant of,*
^{5b} *that by the word of God*
^{5c} *the heavens were of old, and*

During what the scientists call the Pre-Hadean Era the heavens grew old during the long time of this formative stage of the planet earth while the ocean accumulated.

^{5d} *and the earth (continents) standing out of the water*

Then the continents gathered and finally emerged above sea level.

^{5e} *and in the water:*

Then, during what the scientists call the Hadean Era, continents were repeatedly being assembled out of the water and in the water. This is an uncannily accurate description of the Lithologic cycle, a theory recently proposed in modern science explaining the physical mechanism that caused the continents to rise to be above sea level, and to remain above sea level.

So you see, this one event, although it is typically overlooked by most theologians, is not only significant, it is Pivotal in the time ordered list of events related to astronomy, geology, oceanography, and ecology, as recorded in the ancient scriptures of the bible.

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