# **CONTENTS**

Foreword	9
Preface	11
Acknowledgements	. 13
Part I. Exploring the Basics	. 15
Chapter 1. Noah's Flood: Still a Compelling Account	17
Noah on the big screen	
More from Hollywood	
Entertainment that follows the Bible	
More than a myth	
Many scholars say 'There was no Flood'	
Why does it matter?	
What is uniformitarianism? (in-depth section)	
Chapter 2. Back to the Source: The Bible on the Flood	
Our confidence in the Bible as God's revelation	
Biology affirms there is a Creator	
Why Genesis 6–9 is a historical narrative	
Events of Noah's Flood	
Eight scriptural evidences for a global Flood	
1. Extensive universal language	
2. Stranded on a high mountain	
3. Water dropped for 73 days before other mountains seen	
4. Why bother with all of the animals?	
5. Local floods do not last 370 days	
6. God promised never to send such a Flood again	
7. God wanted the animals to 'fill' the Earth	
8. God commanded Noah and his family to populate the Earth	
What did Jesus think?	
The Bible predicted modern skepticism about Noah's Flood	
Chapter 3. Why Christianity Backed Away from the Flood	
The power of the 'Enlightenment' over people's minds	
The power of the Emignetiment over peoples initias	リフ

An early assault: Noah's Flood	41
The Enlightenment infiltrates into the Church	43
Lost: a Christian worldview	
Has Noah's Flood really been disproven?	45
Science vs history; facts vs interpretation	
We need to examine the issue carefully	
Part II. Understanding Noah's Flood	47
Chapter 4. Linking the Bible to Geologic Data	49
Noah's Flood was like a year-long flash flood	
Walker's biblical geological model	
Two main stages	
Five phases	
Classification criteria	
The secular view of the rocks and fossils (in-depth section)	53
Chapter 5. The pre-Flood World	55
Different geography	55
Oceans less salty	
Shallow seas more prevalent than today?	
Richer continental biosphere	
Warmer climate	57
Different watering system	59
One continent?	
A vapor canopy?	60
Rain before the Flood?	
The pre-Flood world was much different	63
Chapter 6. What was the Mechanism of the Flood?	65
Biblical clues	66
The 40 day Flood?	67
Physical mechanisms: current ideas	68
Catastrophic Plate Tectonics	68
The Hydroplate Model	69
Asteroid and/or comet impacts	70
All models need much more work	
The advantages of multiple working hypotheses	
(in-depth section)	72

Chapter 7. Continental Sediments and Fossils Deposited	
Early in the Flood	75
The Eruptive Phase	75
Tremendous erosion and deposition in deep basins and rifts.	
Tilted and faulted rock	
Formation of the Great Unconformity	78
The Ascending Phase	78
The Great Deposition	79
Sedimentary layering	
Rapid cementation and fossilization	81
The pre-Flood/Flood boundary	
Oscillatory sedimentation	
Floating log mats explain many features	
Dinosaur tracks, eggs, and scavenged bonebeds explained	
Dinosaur tracks on coal seams	
Summary	
Explaining the fossil record (in-depth section)	88
Chapter 8. The Retreat of the Flood	91
The cause of the Flood's second stage	92
A worldwide change	
Massive erosion of the continents	96
Direct measurements	96
Indirect measurements	97
Hard rocks transported long distances	97
Where did all the eroded sediments go?	101
What is quartzite? (in-depth section)	102
Chapter 9. The Retreating Flood Fashions a New World	105
Planation surfaces	105
Eroded into hard rock by water	
Once much larger	
Found at many topographic locations	
Not forming today	
Common and worldwide	
Some supposedly extremely old	
Erosional remnants	
Brief survey of erosional remnants	110

Erosional clues from Devils Tower	111
Further evidence of rapid erosion	114
Inselbergs—a uniformitarian conundrum	114
Planation surfaces and erosional remnants expected during sheet	
flow erosion	114
Sheet erosion in the Grand Canyon area (in-depth section)	115
Chapter 10. The Last Phase of Noah's Flood: Eroding	
Canyons and Valleys	119
Rapid formation of valleys and canyons	119
The great debate over the origin of valleys	
Rapid excavation of valleys	
Vertically-walled canyons young	
Valleys and canyons carved rapidly in Noah's Flood	
Rapidly eroded pediments	
Worldwide and not forming today	
A major mystery of uniformitarian geomorphology	
Easily explained by Noah's Flood	
Offshore 'Grand Canyons' explained by Noah's Flood	
Related to rivers?	
Difficult to explain by uniformitarianism	
Late Flood origin of submarine canyons	
Rapidly cut water and wind gaps	
Water gaps	
Wind gaps	
Uniformitarian earth science unable to explain either	
Spectacular water and wind gaps	
Hells Canyon	
Gates of Lodore on the Green River	
Grand Canyon	
Himalaya Mountains water gaps	
The inexplicable Zagros Mountains water gaps	
Unaweep Canyon wind gap	
The Lake Missoula flood: how catastrophic	
flooding creates gaps	132
Water and wind gaps easily explained by late Flood erosion	
The Var submarine slide (in-depth section)	
Chapter 11. Flood Aftereffects: The Ice Age	. 137

How much post-Flood catastrophism?	137
The Ice Age	139
Evidence for an ice age	
The Ice Age was post-Flood	140
The requirements for an ice age	141
The aftermath of Noah's Flood precipitated the Ice Age	141
How long did the Ice Age last?	143
Was there more than one ice age?	143
Will there be a future ice age?	
Timing the post-Flood Ice Age (in-depth section)	146
Chapter 12. Mysteries Solved by the Post-Flood Ice Age	149
The life and death of the woolly mammoth in Siberia	149
Secular scientists cannot explain	
More mammoth mysteries	150
The post-Flood Ice Age to the rescue	
Lowlands of Siberia and Alaska not glaciated	
Disharmonious associations	
Mass extinction at the end of the Ice Age	154
The Greenland and Antarctica Ice Sheets	
The spread of people and animals	156
Unique animals	
Uniformitarian difficulties	
The post-Flood Ice Age spreading	157
'Wet' deserts	
Difficult uniformitarian problem	159
Not difficult with post-Flood Ice Age	
The Lake Missoula flood	
The discovery	161
The flood	161
What it means for Noah's Flood	162
Summary	
Chapter 13. The Enduring Power of Noah's Account	165
Bible is true all the time	166
Lessons from the account	
The Flood and science: interesting, but not the main point	
Appendix 1. Objections Answered	169

•	Evidence' from different perspectives	169
7	Where did the Flood water come from and where did it go?	170
	How did the water cover Mount Everest?	
]	How could all those animals fit in the Ark?	173
	A little more logic please	175
Appendix 2	2. Basic Evidence for a Global Flood	. 177
	Flood legends	
	Sedimentary deposits cover vast areas	
]	No erosion = no time	180
]	Fossils demonstrate rapid burial	182
,	Why secular scientists do not see evidence for the Flood	183
]	Fossilization (in-depth section)	185
Appendix 3	3. Views of the Geological Column and Timescale	189
r	The secular view of the geological column	189
	Creation scientist views of the column	
Appendix 4	4. What Caused the Uplift and Sinking During the	
Retreating	Stage?	193
_	Two possible mechanisms	
Appendix !	5. What About Claimed Ancient Ice Ages?	195
7	The features can be duplicated by other processes	195
	The Flood caused the slides	
	Concluding thoughts	



ooks come and go, but a few exceptional stories stand the test of time, such as Robin Hood, the Trojan War, and Romeo and Juliet. But few accounts are as deeply embedded in our psyche as those from the Bible: David and Goliath, Jesus walking on water, or Jonah and the huge sea creature. These accounts are known by practically everybody on the planet. One of the most persistent of these is the account of Noah and the Ark.

It is remarkable that the account of Noah's Flood persists; but it has been criticized, denigrated, and written off by intellectuals for more than two centuries by people who wanted to replace the Bible's history with another. But in recent decades, a small group of Christian scholars has been investigating the biblical, scientific, and archeological evidence for the historical veracity of the Bible's account, revitalizing the account and its appeal.

This has affected popular culture. Despite a remarkable inability to get the account straight, it has been repeatedly told by Hollywood. Every time it resurfaces, it triggers a round of criticism by secularists supposedly too sophisticated to believe the old biblical account. Some Christians agree with the secularists, and are embarrassed by Noah. But others have answered the criticisms, and maintain a belief in biblical history.

# Noah on the big screen

In 2014, the account was remade as the epic Hollywood film *Noah* (Figure 1.1). It was a box office success, especially in foreign countries (except those Islamic countries that banned it). Film critics and a few religious leaders praised the film, claiming it would start discussions on 'faith and spirituality'. However, those filmgoers motivated to go back and read the Genesis account found that the movie

bore little semblance to the Genesis account. A report by The New Yorker said: "It is', Aronofsky said proudly, 'the least Biblical Biblical film ever made."1 Creationists, who make up over 30% of the population of the United States, objected to the distortions.2

Everyone expects Hollywood to embellish stories. Sometimes they do it to communicate better in moving from words on a page to images on a screen. Sometimes they must trim parts to meet a time limit. Often, their ego simply drives them to think they tell the story better than the author. In the case of *Noah*, that seemed the case; the film kept a few superficial elements but replaced the heart of the story. In the movie God is cruel and vindictive, even to Noah. Sin was redefined from disobedience to 'environmental abuse', and so the primary purpose of the Ark was to save the animals and not people. All of this shrinks before the simple statement of Genesis 6:5: "The Lord saw that the wickedness of man was great in the earth, and that every intention of the thoughts of his heart was only evil continually."

Some aspects of the movie were laughable. Wounded, Tubal-Cain<sup>3</sup>—leader of the rebellion breaks into the Ark as the Flood begins. He attempts to convince Ham to kill his father Noah. Instead, Tubal-Cain is killed by Ham. In another radical divergence in the movie, Noah's sons are bachelors, although Shem brings his pregnant girlfriend onto the Ark. She has twin girls, and Noah is convinced that God wishes him to kill them, though he cannot bring himself to do it. As usual, Hollywood attempts to justify its own immorality and sentimentality as normative, while showing the God who will judge immorality as harsh and intolerant.

At least the movie had a flood. At least it was global. At least God was the Creator, though modern sensitivity required evolution be that process of creation. At least there was a Noah. At least he had a wife and three sons. At least there was a giant Ark. Sadly, everything else in the story was thrown under the bus.

#### More from Hollywood

Noah was not the first Hollywood attempt. In 1999, a four-hour Hallmark movie, Noah's Ark, made a big splash (Figure 1.2). But once again, screenwriters could not resist 'improving' the story. Although they got the global Flood part right, little else survived their playing with the account, especially biblical chronology. Noah became a resident of Sodom and Gomorrah and a good friend of Lot, who later becomes a villain, in spite of the fact that Lot and the two cities existed hundreds of years later than Noah. Continuing the time distortion, Ruth, who also lived centuries later than Lot, was saved from the villain's attempt to sacrifice her to the idol Moloch. Despite her rescue, she is later reluctant to enter the Ark—one of Noah's sons had to play the cad, knock her out, and carry her in. As if Ruth's tribulations were not enough, the voyage is interrupted by mutiny. Noah's family opposed their captain, but the mutiny was subdued when God afflicted Noah's family with dementia. In this movie, God was portrayed as alternatively confused, indecisive, foolish, and weak. The film was weak on theology, but strong on action and graphic violence-Hollywood cannot seem to stray from their own formula.

Even when producers don't want to place the story in the ancient world, its elements are so compelling that they show up repeatedly in apocalyptic movies. A blatant example was the movie 2012 (Figure 1.3), which was set in the present, but showed global destruction. Mankind was saved in giant hi-tech realistically proportioned arks, but the concept was the same. This movie also showed the power of tectonic disturbances and the power of moving water on a large scale. But it missed the main point of Genesis—mankind was saved by grace and not through technology and ingenuity.

### **Entertainment that follows** the Bible

An exception to Hollywood's distortions was seen in the 2013 miniseries, *The Bible* (Figure 1.4). This ten-part series opened to a scene of Noah on



the Ark, telling his family how God created the earth in six days and why he had to destroy it with the Flood. Artistic license is kept to a minimum, and the account was treated with respect.

#### More than a myth

The account of Noah is more than just entertaining mythology. For 3,500 years, it has been a staple of the biblical account of Earth's early history. Jewish believers in the Old Testament times accepted the account as straightforward historical narrative, and it was monolithically taught as such by Christians for nearly 1,800 years.4 Today, however, most people see it as nothing more than an entertaining tale. What changed in recent centuries?

Starting in the 1700s, intellectuals began to reject the Bible, attacking the Genesis account of Creation and the Flood. We will amplify on this issue in Chapter 3. They portrayed biblical history as 'primitive' Hebrew mythology, and created a new history linked to what they called science. Although the British Scriptural geologists challenged these new ideas<sup>5</sup>, Christians were slow to catch on. If one part of the Bible is false, then any part might be too. After long years of retreat, a few Christian scholars in the last half of the 20th century began to re-examine the 'scientific' consensus, and found abundant evidence that the new secular history was riddled with problems, and that Genesis had a stronger case than anyone imagined.

In 1961, theologian Dr John Whitcomb and Dr Henry Morris, a hydraulic engineer, coauthored The Genesis Flood (Figure 1.5).6 This book energized a number of Christian scientists to reconsider the possibility of a global Flood. Though vehemently rejected by the academic establishment, these people, despite being few in number and without significant resources, have published many books, articles, and DVDs.7 A major hurdle was understanding that the 'objective' sciences of evolutionary biology and uniformitarian geology (see in-depth section at the end of the chapter) are just as dependent on belief systems as Christianity. Numerous creationist organizations have sprung up over the world.8 These organizations are producing a steady stream of books, DVDs, journals, and magazines.9 There has even been a major museum opened,10 as well as a number of small museums, such as the Glendive Dinosaur & Fossil Museum, located in Glendive, Montana—the heart of dinosaur country.

For many years since the second half of the 19th century, people accepted a framework of a 'war' between science and religion. Today they are beginning to see that the conflict is between the worldviews of Christianity and naturalism (nature is all there is). A worldview is essentially the set of presuppositions or assumptions through which a person views the world. Secular historical science is predicated on the worldview of naturalism, which removes God from the picture and pins truth to man's reasoning ability, not to revelation

from the Bible. But two centuries, countless manhours, and immense sums of money have resulted in 'sciences' that cannot explain field data, like the surface features, called landforms<sup>11</sup>, observed all over the planet (see Chapters 9 and 10). 12,13 If nothing else, this increasingly obvious failure suggests that a fresh look at the rock and fossil records is warranted. Once the Enlightenment naturalism is set aside, information is readily interpreted to support biblical history.

## Many scholars say 'There was no Flood'

In spite of these changes, and although Noah's Flood has gone through a spate of entertainment popularity, many scholars, both secular and Christian, question its historicity (see Chapter 3). Secular scholars simply dismiss Noah's Flood because it is inconsistent with their geological framework of uniformitarianism—the idea that presently observed processes account for all the rocks and fossils formed in the past. Some secular scholars simply deny that any significant flood event ever occurred; others try to explain the biblical account away as the exaggeration of a local flood. For example, several secular geologists suggested that a flooding event in the Black Sea explained the origin of the 'tale'.14 Of course people who are atheists or agnostics reject the Bible and its history. For example, geomorphologist Dr Arthur Strahler (1918-2002), wrote in an anti-creationist book published by the anti-Christian Prometheus Books:15

Mainstream science has no obligation whatsoever to attempt refute to Flood geology—a hypothesis vaguely and confusingly worded, lacking in completeness of statement, and nearly devoid of evidence.16

A critic reviewing the movie Noah declared the Flood account was one of the most implausible stories in the Bible:

Darren Aronofsky brings out wild ambition and thrilling artistry to one of the Old Testament's best-known, most dramatic, least plausible stories-Noah and the Ark—with Russell Crowe infusing the role

of God's first seaman and zookeeper with all his surly majesty.<sup>17</sup>

However, 'rational' atheists and agnostics possess a belief system, just like Christians. Their belief system contains its own origin and earth history mythology and is believed to be backed by 'science.' The Bible purports to be God's revelation to man with an overview of the history of mankind. Naturalism as a belief system cannot be demonstrated, any more than atheism can be demonstrated. A person would require infinite knowledge to know beyond a reasonable doubt that there is no God. Both belief systems look at the same evidence, but because of different starting assumptions of the past arrive at different interpretations (Figure 1.6).

Thus, the charge that Christians' belief system can only be accepted on 'blind faith' is merely a red herring or dodge, something that misleads or distracts from the important issue of origins. Any belief system requires an element of faith; the real question is whether or not that faith is justified. Skeptic Mark Twain once claimed: "Faith is believing what you know ain't so."18 But biblical faith is never divorced from reason or evidence, but from sight. So Christians have been justifying their faith in the Bible for 2,000 years. Skeptics are much newer at the game, and betray their novice status with many silly arguments that Christians answered long ago.

Some perceptive scientists and philosophers have noted a principle at work in the minds of people, even scientists, which may explain their automatic dismissal of Noah's Flood. Dr William Dement, a leading sleep researcher, along with writer Christopher Vaughan, commented in regard to his discovery of REM (rapid-eye movement) sleep:

...when they are looking, people usually see only what they expect to find and they do not see what they assume for whatever reason could not exist.19

Could the skeptics of Noah's Flood have overlooked the evidence because they did not expect to find it? And even if they see evidence for Noah's Flood, they don't 'see' the connection

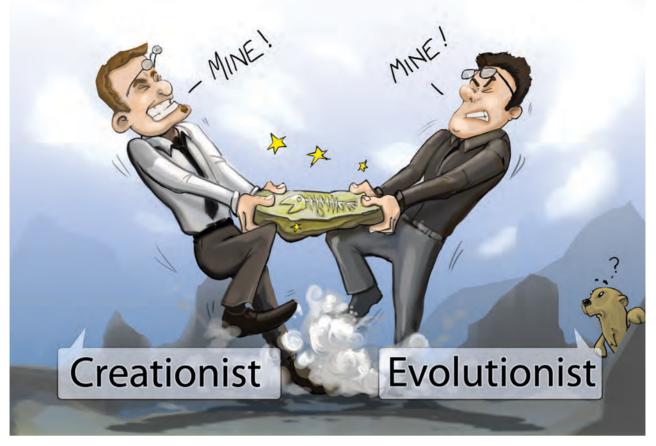


Figure 1.6. Interpretations of the data depend upon a person's assumptions of the past or their worldview.

because they dismiss the Flood because it goes against their worldview of naturalism and rejection of the supernatural.

#### Why does it matter?

For many, the reality of Noah's Flood is irrelevant. Regardless of statements rejecting or affirming it, does it really matter if it occurred, and if the Bible's story is accurate? We believe it does. One reason is simply that Genesis is part of the Bible. The Bible repeatedly claims to be God's word. God claims to be incapable of lying (Hebrews 6:18). If the account is false, it would invalidate these foundational claims of Christianity. Also, Genesis is the first book of the Bible. It lays the foundation for the rest. Many concepts developed later in the Bible originate in Genesis. If Genesis is deemed reliable, especially after two centuries of persistent attacks, then it is an affirmation of the truth of Christianity. It then follows that God's revelation in the Bible cannot be ignored.

This has important implications for our lives. The Bible teaches us wisdom and truth, and is a guide in a culture that propagates so much misinformation. Without the Bible's guidance, many mistakes will be made, some with eternal consequences.

The truth of Noah's Flood and the Bible has implications for nations and societies too. Nations that were built on biblical principles, like the United States, cannot abandon the Bible without suffering damage to its institutions, as we have seen in recent decades. We tend to complain about the problems with such countries until we realize that they could be much worse.<sup>20</sup> A people that lives in freedom, that gives accused people the right to a fair trial, and has a government to prevent tyranny is a nation that is the envy of most people who have lived on this Earth.

But these advantages, seen predominantly in the Christian West, are not guaranteed. The institutions are justified ultimately by the Bible. When the Bible is rejected, the institutions it upholds cannot last. When we look at the scope of history, it is those nations that have exercised influence and power in world affairs, despite the greater populations and resources of other lands. For example, the United States was simply a