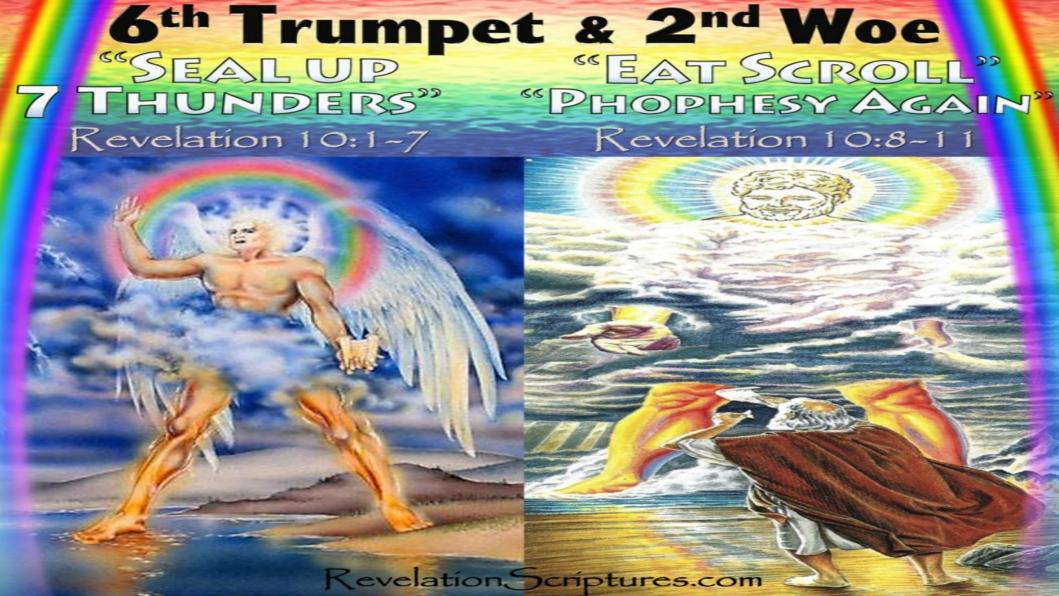
/ VOICE: (C) S. Walston Seal up the things Which the seven Deals of thunder have spoken and donot write them GO, take the book Which is openinthe hand of the angel ... take I+ and eat it it will make Voorstomacapitter but in your mouth The angel itwill be sweet who kies forever as hone v. and ever who created heaven and the things init and the earth and the things in it, are the sea and the things in it, THAT THERE WILL BE DELAY NO LONGET! they said to me. You must prophesy again concerning many people and nations and tonques and Kings Revelation



1. PRETERIST: Revelation is about events in the past

The events described in Revelation all took place around the time of the letter's writing and should be read with that historical context in mind. In other words, the letter was written first and foremost to Christians in the first century, under Roman rule and persecution. As such, we need to understand how they would have originally read it, before applying it to ourselves.

2. FUTURIST: Revelation is about events in the future

The events described in Revelation were predicted to take place in the far distant future, at least from the point of view of the original readers. So, the focus is on events that are still to come, including times like "the tribulation" and "the millennium"

3. HISTORICIST: Revelation is about all of history

Revelation describes the key events of history stretching from the death and resurrection of Jesus to his return as judge. It can be seen as a *timetable*, by which we can interpret "the signs of the times." In other words, world events *today* are described in Revelation.

4. IDEALIST: Revelation is about timeless principles

Revelation isn't talking about a specific time. It is talking about a pattern of events or trends that will be repeated throughout history, as an encouragement to God's people of all times who face persecution. In that sense, it is a "timeless" message.

Papyrus 47 is an early copy of the New Testament in Greek.

It is a papyrus manuscript of the Book of Revelation which contains **Rev. 9:10-11:3**; 11:5-16:15; 16:17-17:2

The manuscript has been assigned paleographically to the 3rd century.

MUNICIPALITY CONTROLLETANTICK CHUNHA KKOYELWOOWNEN KIN ZWW KIBAPIZONYWNENTAKKIEN ATTUNKALADOVOIN WOWN KAIN ENWYTHIN TOY HONOY KALFAUT DWN & LUWN KAITWATTIN PUNKAJOVSKICEOTNOTO MOJ HOWAH & GALTA PARXE Upropacht Noja To There

This surviving text includes Revelation 2:1-3, 13-15, 27-29; 3:10-12; 5:8-9; 6:5-6; 8:3-8, 11-13; 9:1-5, 7-16, 18-21; **10:1-4, 8-11**; 11:1-5, 8-45, 48, 40; 43:4-5, 8-40, 43:4-7; **43**:4-3, 6-46, **48**: 44:4-3, 5-7, 40, 44, 44

15, 18-19; 12:1-5, 8-10, 12-17; **13**:1-3, 6-16, **18**; 14:1-3, 5-7, 10-11, 14-

15, 18-20; 15:1, 4-7.



An interesting element is that it gives the number of the beast in Revelation 13:18 as 616 (chi, iota, stigma (XI Γ)), rather than the majority reading of 666 (chi, xi, stigma (X $\equiv \Gamma$)), as does Codex Ephraemi Rescriptus.

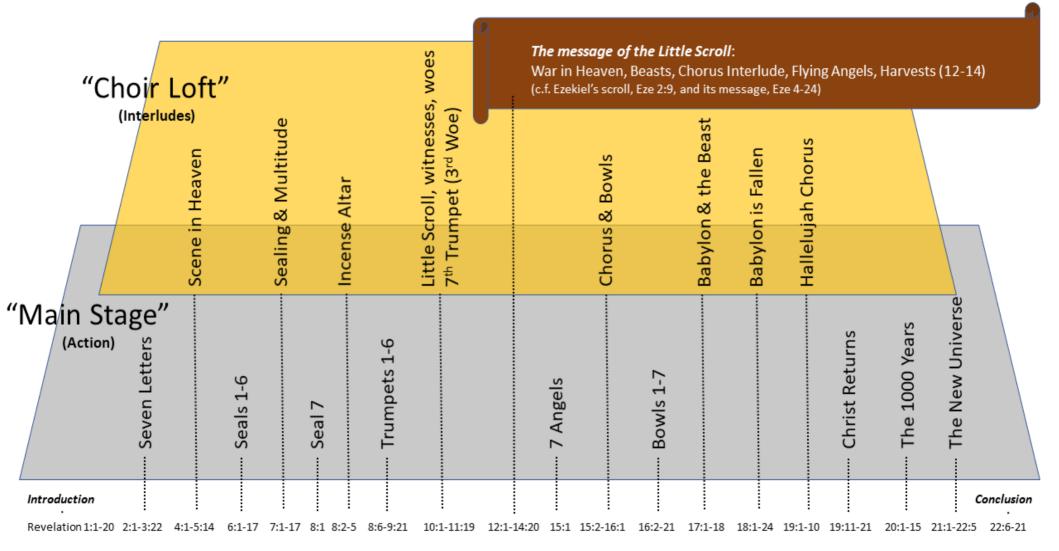
Codex Ephraemi Rescriptus is a fifthcentury Greek manuscript of the

Bible.Revelation: 1:1–2; 3:20–5:14; 7:14–17;

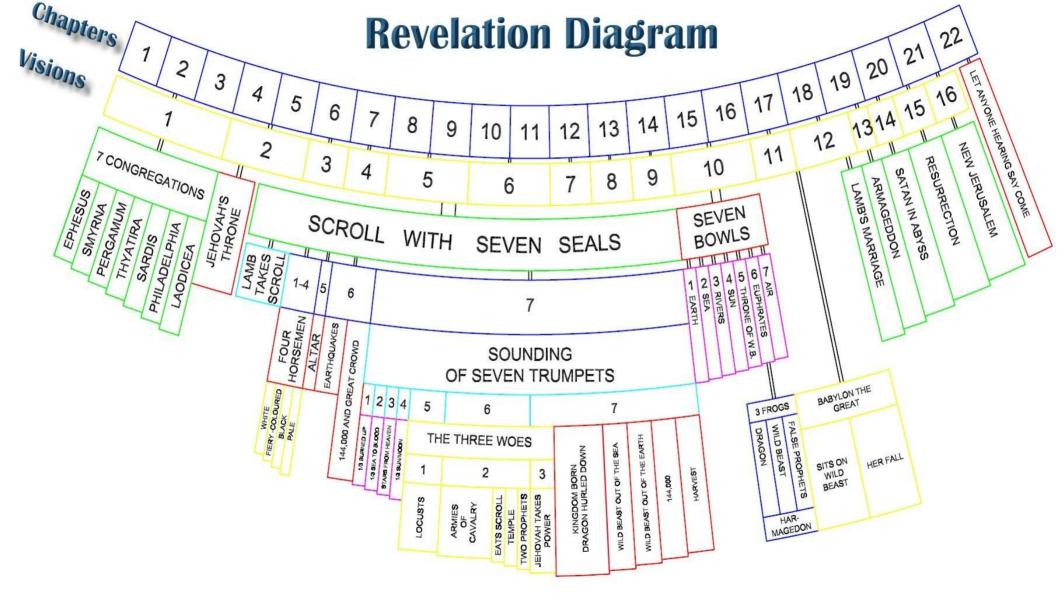
8:5–9:16; **10:10–11:3;** 16:13–18:2; 19:5-

10:10-11:

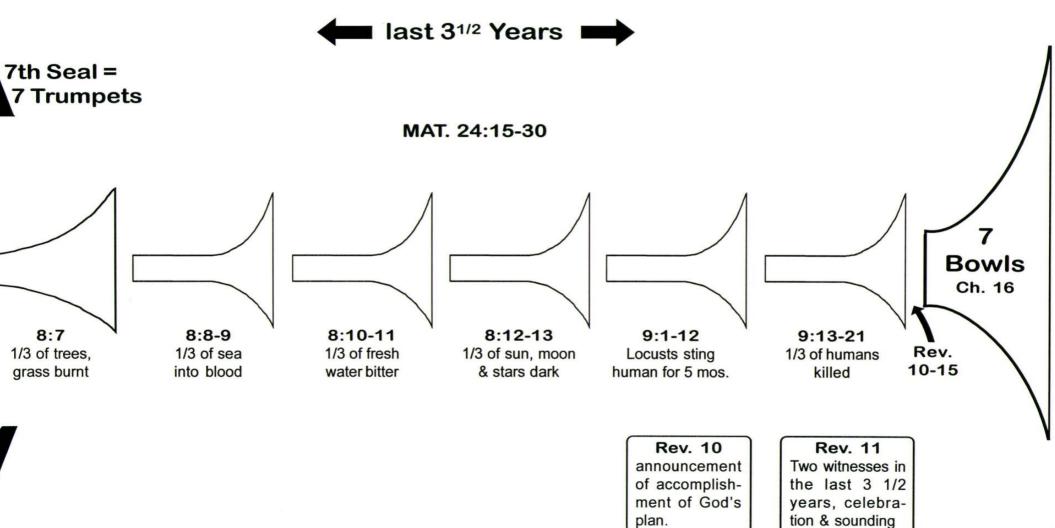




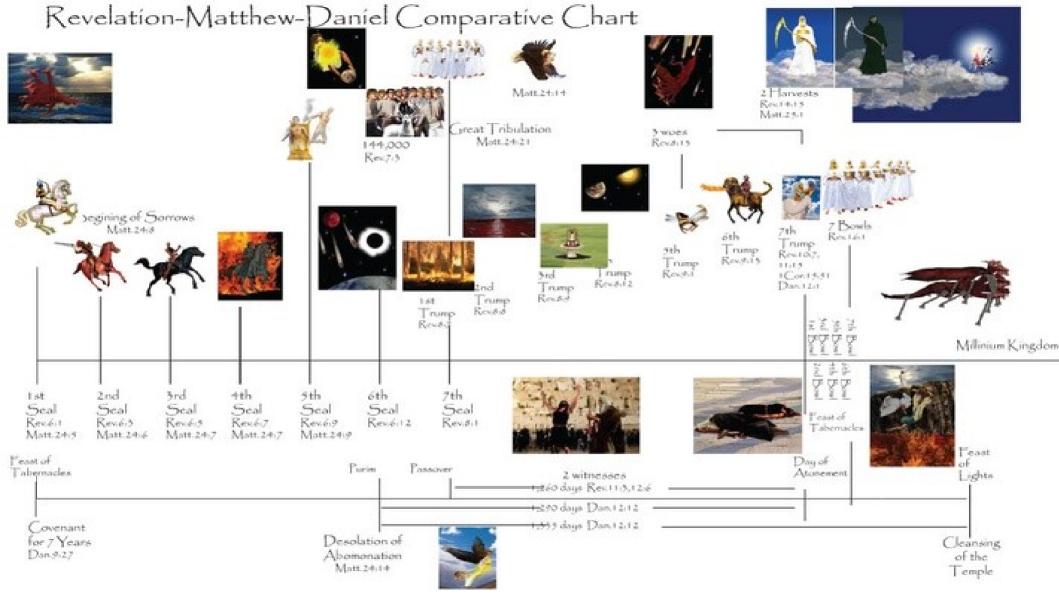
The Dramatic Structure & Outline of Revelation



Rev. 8-11



of 7th trumpet.









- 1 Then I saw another mighty angel coming down from heaven, surrounded by a cloud, with a rainbow over his head. His face shone like the sun, and his feet were like pillars of fire. 2 And in his hand was a small
- scroll [fn] that had been opened. He stood with his right foot on the sea and his left foot on the land.







- 3 And he gave a great shout like the roar of a lion. And when he shouted, the seven thunders answered.
- the seven thunders answered.

 4 ¶ When the seven thunders spoke, I was about to write. But I heard a voice from heaven saying, "Keep secret [fn] what the seven thunders said, and do not write it down."
- 5 ¶ Then the angel I saw standing on the sea and on the land raised his right hand toward heaven.







- 6 He swore an oath in the name of the one who lives forever and ever, who created the heavens and everything in them, the earth and everything in it, and the sea and everything in it. He said, "There will be no more delay.
- 7 When the seventh angel blows his trumpet, God's mysterious plan will be fulfilled. It will happen just as he announced it to his servants the prophets."







- 8 ¶ Then the voice from heaven spoke to me again: "Go and take the open scroll from the hand of the angel who is standing on the sea and on the land." 9 ¶ So I went to the angel and told him to give me the small scroll. "Yes,
- him to give me the small scroll. "Yes, take it and eat it," he said. "It will be sweet as honey in your mouth, but it will turn sour in your stomach!"

- 10 So I took the small scroll from the hand of the angel, and I ate it! It was sweet in my mouth, but when I swallowed it, it turned sour in my stomach.
- 11 ¶ Then I was told, "You must prophesy again about many peoples, nations, languages, and kings."

And I saw another mighty angel come down from heaven, clothed with a cloud: and a rainbow was upon his head, and his face was as it were the sun, and his feet as pillars of fire:

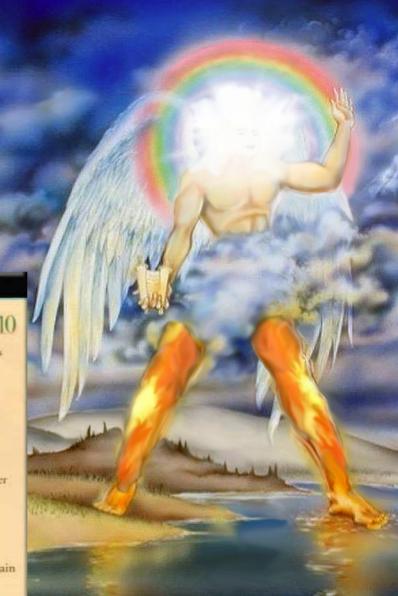


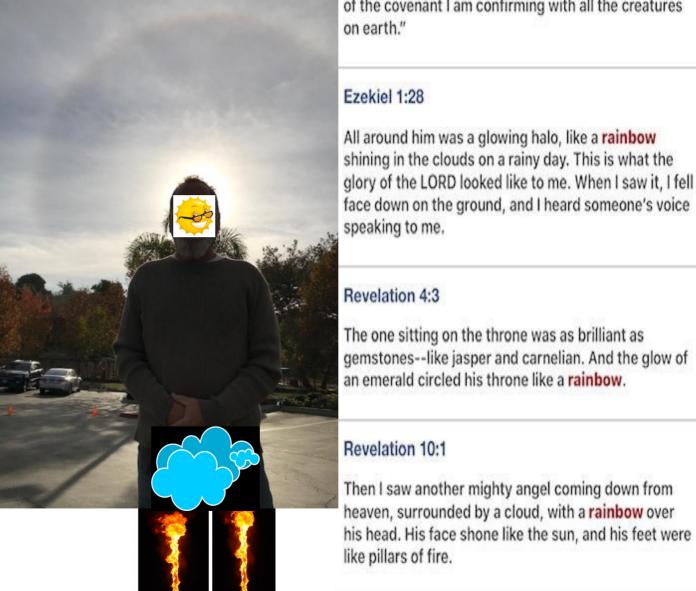
— Revelation 10:1 (KJV)

DANIEL 12

- Vs. 4 "shut up" and "seal" the book
- Vs. 5 two men on left & right riverbank
- Vs. 6 man clothed in white linen
- Vs. 7 held up both hands
 - swore by Him who lives forever
 - after time, times, and 1/2 time it shall be finished
- Vs. 9 "seal" until the time of the end
- Vs. 10 the wise understand
- Vs. 11 1290-day/year prophecy
- Vs. 12 1335-day/year prophecy

- Vs. 2 book "open" in angel's
- Vs. 2 feet on land and sea
- Vs. 1 ang
- Vs. 5 lifted up hand
 - swore by Him who created
 - · no "delay" any longer
- Vs. 8 take the book which is "open"
- Vs. 9 eat the book
- Vs. 11 you must prophesy again





I have placed my rainbow in the clouds. It is the sign of my covenant with you and with all the earth.

Genesis 9:13

Genesis 9:14

... AT&T LTE 🌣

Q Rainbow

✓ Back

When I send clouds over the earth, the rainbow will appear in the clouds,

Genesis 9:16

When I see the rainbow in the clouds, I will remember the eternal covenant between God and every living creature on earth."

07:52

Search

Rainbow occurs in 7 verses in the NLT

Search Range: The Whole Bible

o 📟

Go

Help

*NLT

Genesis 9:17

Then God said to Noah, "Yes, this rainbow is the sign of the covenant I am confirming with all the creatures on earth."

All around him was a glowing halo, like a rainbow

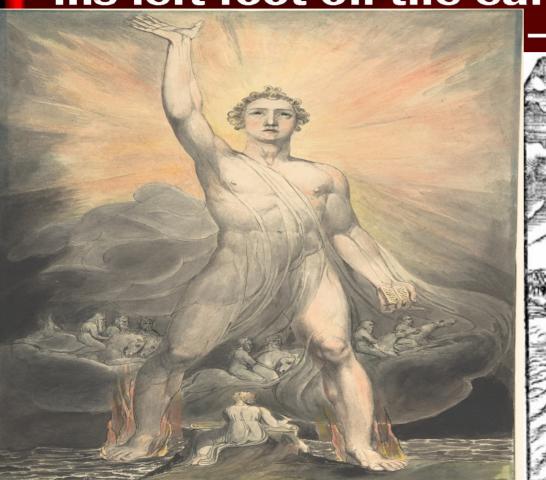
face down on the ground, and I heard someone's voice speaking to me. Revelation 4:3

The one sitting on the throne was as brilliant as gemstones--like jasper and carnelian. And the glow of an emerald circled his throne like a rainbow.

Revelation 10:1

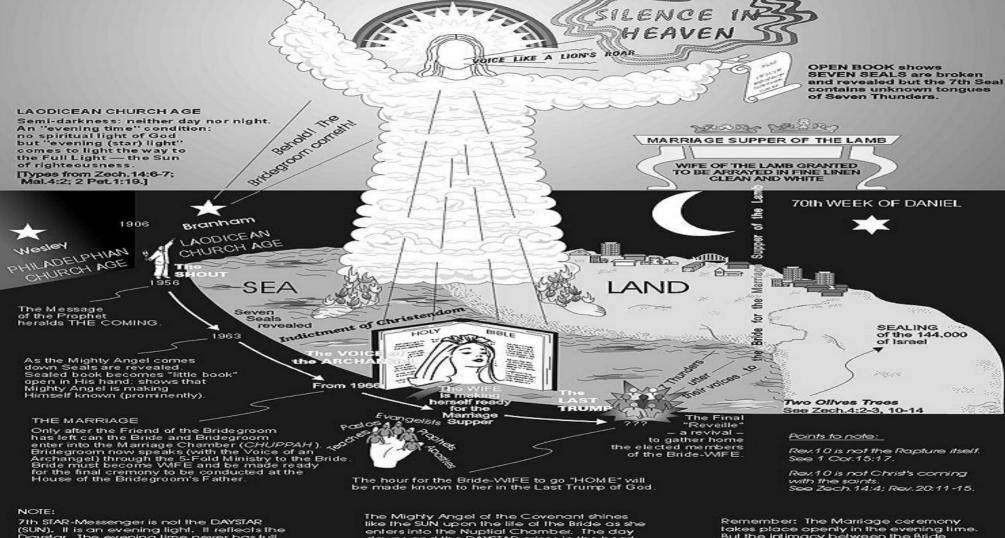
Then I saw another mighty angel coming down from heaven, surrounded by a cloud, with a rainbow over his head. His face shone like the sun, and his feet were like pillars of fire.

And he had in his hand a little book open: and he set his right foot upon the sea, and his left foot on the earth,



— Revelation 10:2 (KJV)

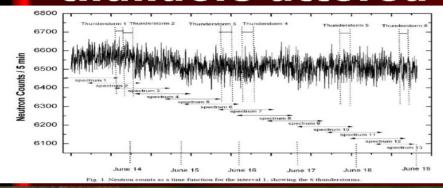




7th STAR-Messenger is not the DAYSTAR (SUN). It is an evening light. It reflects the Daystar. The evening time never has full sunlight. [The "shout" to meet the SON (Bride-groom) and enter into the Marriage takes place here.]

The Mighty Angel of the Covenant shines like the SUN upon the life of the Bride as she enters into the Nuptial Chamber. The day dawns and the DAYSTAR arises in the heart of the Bride. [This SHINING FORTH of the Full SON-LIGHT is hid from the world. It takes place in the CHUPPAH.] Remember: The Marriage ceremony takes place openly in the evening time But the intimacy between the Bride and Groom is shared in secrecy in the CHUPPAH. Groom turns on the SON-UGHT of Full Revelation.

And cried with a loud voice, as when a lion roareth: and when he had cried, seven thunders uttered their voices.



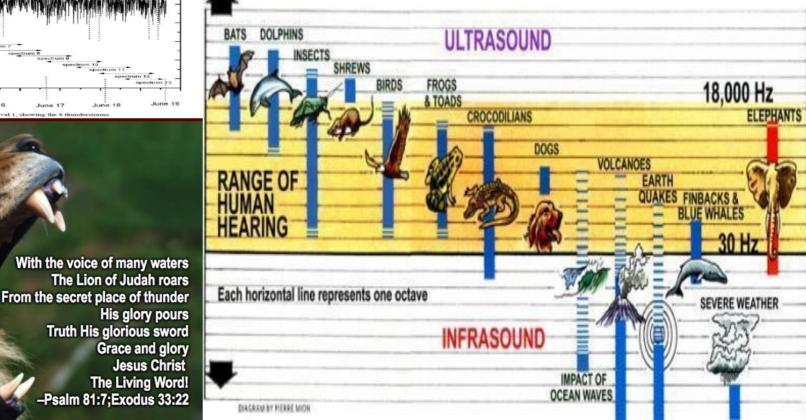
With the voice of many waters The Lion of Judah roars

Truth His glorious sword

-Psalm 81:7;Exodus 33:22

His glory pours

Grace and glory Jesus Christ The Living Word! — Revelation 10:3 (KJV)





DICTIONARY

WORD OF THE DAY

thunder

thunder noun



Save Word

thun-der | \ 'then-der (1) \

Definition of thunder (Entry 1 of 2)

- 1 : the sound that follows a flash of lightning and is caused by sudden expansion of the air in the path of the electrical discharge
- 2 : BANG, RUMBLE II the thunder of big guns
- 3 : a loud utterance or threat

thunder verb

thundered; thundering \ 'then-d(e-)rin 1

Definition of thunder (Entry 2 of 2)

intransitive verb

- 1 a : to produce thunder —usually used impersonally II it thundered
 - b : to give forth a sound that resembles thunder II horses thundered down the road
- 2 : ROAR, SHOUT

transitive verb

- 1 : to utter loudly : ROAR
- 2 : to strike with a sound likened to thunder

And when the seven thunders had uttered their voices, I was about to write: and I heard a voice from heaven saying unto me, Seal up those things which the seven thunders uttered, and write them not.



Hear the 'roar' of the Lion of Judah, it is announcing something important. And then we hear '7 thunders' speak through the earth. What did they say? John was told not to write it down. Then why did Jesus mention it at all?

Revelation 10:4 (KJV)

Revelation 10 - A Big Angel



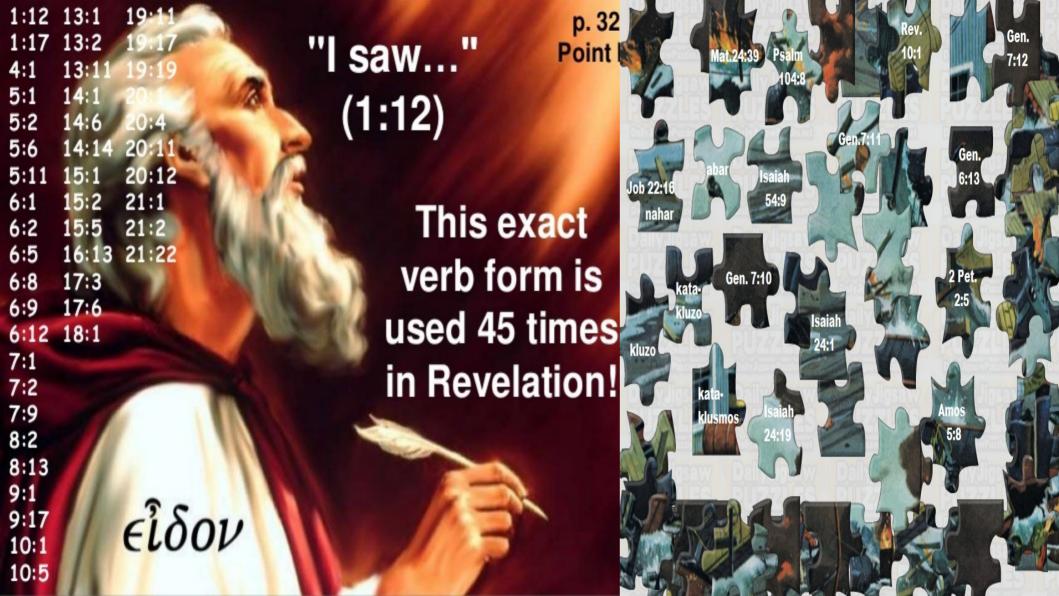
Concerning what the 7 thunders said . . .

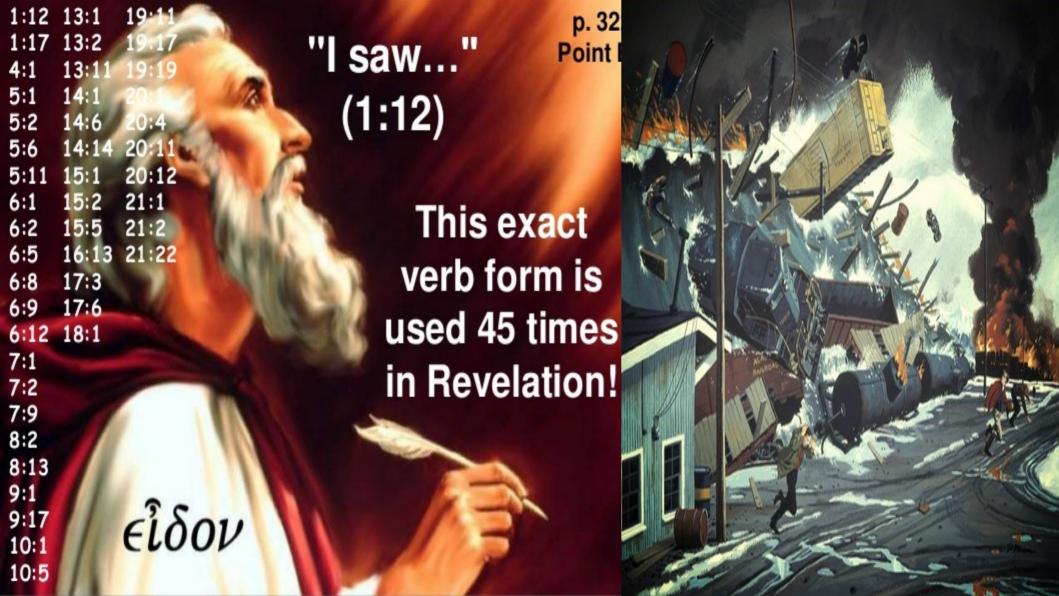
Deuteronomy 29:29

The **secret** things belong to the LORD our God, but the things that are revealed belong to us and to our children forever, that we may do all the words of this law.

Sealed Thunders 4444 Revelation 10:4 "Seal up what the 7 Thunders have said & do not write it down." Biblical Clue to Understand! Revelation 10:7 "but that in the days of the Trumpet Call rum to be sounded by the 7th Angel, the Mystery of YHWH would be fulfilled, just as he announced to his servants the prophets." Understanding the Sealed 7 Thunders also called the "Mystery of God" during the 7th Trumpet, comes from Reading the Biblical Prophets! EzeKiel saiah Daniel Jeremiah Joel Elisha Mical Zephaniah Elijah Habakkuk Samuel Malachi Amos Joshua Obediah

Hosea Nahum Moses Haggai David





And the angel which I saw stand upon the sea and upon the earth lifted up his hand to heaven,

✓ Search
Search

✓ Search
KJV

Go

Search Range: The Whole Bible

Help

Revelation 5:13

And every creature which is in **heaven**, and on the **earth**, and under the **earth**, and such as are in the **sea**, and all that are in them, heard I saying, Blessing, and honour, and glory, and power, [be] unto him that sitteth upon the throne, and unto the Lamb for ever and ever.

Revelation 10:5

And the angel which I saw stand upon the **sea** and upon the **earth** lifted up his hand to **heaven**,

Revelation 10:6

And sware by him that liveth for ever and ever, who created **heaven**, and the things that therein are, and the **earth**, and the things that therein are, and the **sea**, and the things which are therein, that there should be time no longer:

Revelation 10:8

And the voice which I heard from **heaven** spake unto me again, and said, Go [and] take the little book which is open in the hand of the angel which standeth upon the **sea** and upon the **earth**.

— Revelation 10:5 (KJV)



Revelation 12:12

Therefore rejoice, [ye] **heavens**, and ye that dwell in them. Woe to the inhabiters of the **earth** and of the **sea!** for the devil is come down unto you, having great wrath, because he knoweth that he hath but a short time.

Revelation 14:7

Saying with a loud voice, Fear God, and give glory to him; for the hour of his judgment is come: and worship him that made **heaven**, and **earth**, and the **sea**, and the fountains of waters.

Revelation 21:1

And I saw a new **heaven** and a new **earth**: for the first **heaven** and the first **earth** were passed away; and there was no more **sea**.

And sware by him that liveth for ever and ever, who created heaven, and the things that therein are, and the earth, and the things that therein are, and the sea, and the things which are therein, that there should be time no longer:

And every created thing which is in heaven and on the earth and under the earth and on the sea, and all things in them, I heard saying, "To Him who sits on the throne, and to the Lamb, be blessing and honor and glory and dominion forever and ever."

— Revelation 5:13 (NASB®



But in the days of the voice of the seventh angel, when he shall begin to sound, the mystery of God should be finished, as he hath declared to his servants the prophets.

— Revelation 10:7 (KJV)



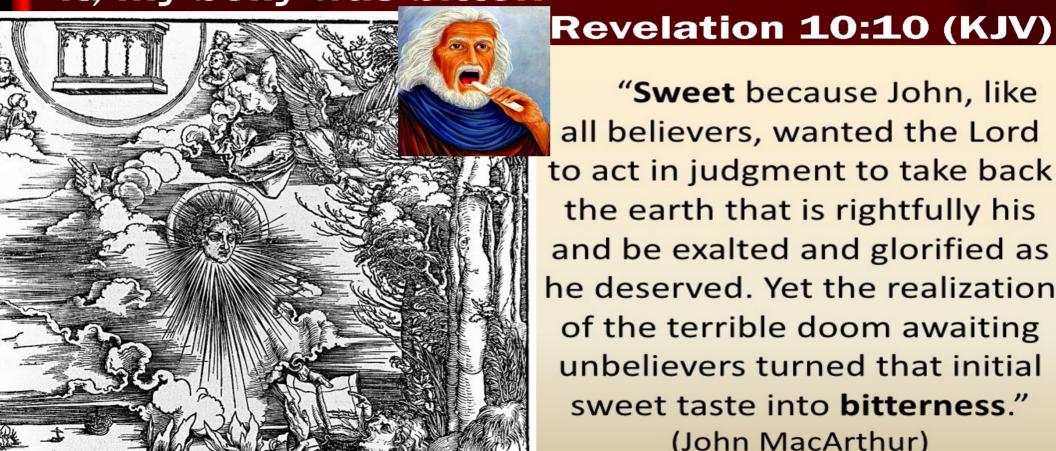
And the voice which I heard from heaven spake unto me again, and said, Go and take the little book which is open in the hand of the angel which standeth upon the sea and upon the earth.



And I went unto the angel, and said unto him, Give me the little book. And he said unto me, Take it, and eat it up; and it shall make thy belly bitter, but it shall be in thy mouth sweet as honey.



And I took the little book out of the angel's hand, and ate it up; and it was in my mouth sweet as honey: and as soon as I had eaten it, my belly was bitter.



And he said unto me, Thou must prophesy again before many peoples, and nations, and tongues, and kings.

≮ Rev 10

Interlinear Online







G1163 - dei

Outline of Biblical Usage:

- I. it is necessary, there is need of, it behooves, is right and proper
- A. necessity lying in the nature of the case
- B. necessity brought on by circumstances or by the conduct of others toward us.
- C. necessity in reference to what is required to attain some end
- D. a necessity of law and command, of duty, equity
- E. necessity established by the counsel and decree of God, especially by that purpose of his which relates to the salvation of men by the intervention of Christ and which is disclosed in the Old Testament prophecies

— Revelation 10:11 (KJV)

Rev 10 Interlinear online G4395 - propheteuo

Outline of Biblical Usage:

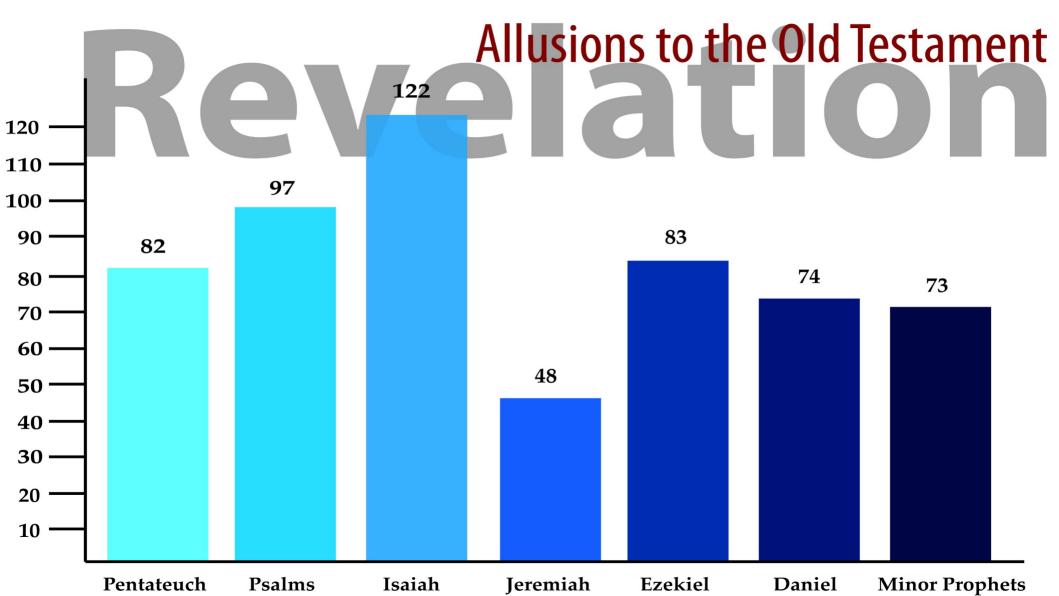
- to prophesy, to be a prophet, speak forth by divine inspirations, to predict
 - A. to prophesy
 - B. with the idea of foretelling future events pertaining esp. to the kingdom of God
 - C. to utter forth, declare, a thing which can only be known by divine revelation
 - D. to break forth under sudden impulse in lofty discourse or praise of the divine counsels
 - i. under like prompting, to teach, refute, reprove, admonish, comfort others
 - E. to act as a prophet, discharge the prophetic office







- The unrecorded thunders
 - Rev 10:1-7 WEB
 - No more warning
- The little book
 - Rev 10:8-11 WEB
 - John must continue to preach a sorrowful message
- The measuring of the temple
 - Rev 11:1-2 WEB
 - God knows and protects his people
- The two witnesses
 - Rev 11:3-13 WEB
 - Gospel preaching will ultimately triumph



BOOK OF REVELATION

Chapter 11 The ministry of two witnesses

- A rod to measure (v.1-2)
 Measure the temple, alter and those worship (v.1-2)
- The two witnesses (3- 13)
 - a. Who the witnesses are? (v.3; 4)
 - b. How long their ministry (v.3)
 - c. What they will do (v.5-6)
 - d. What will happen to them (v.7-12)

(Great earthquake, 1/10th of city falls, 7000 dies) v. 13

Second woe is past (v.14) Third woe cometh quickly

The kingdom becomes to the Lord

- When blows the seventh trumpet (v.15)
 - a. Kingdom of world becomes to the lord and Christ (v.15)
 - b. Time of the wrath of God (to judge and reward-v.18)
 - c. Ark of His testament seen in the temple in heaven (v.18)

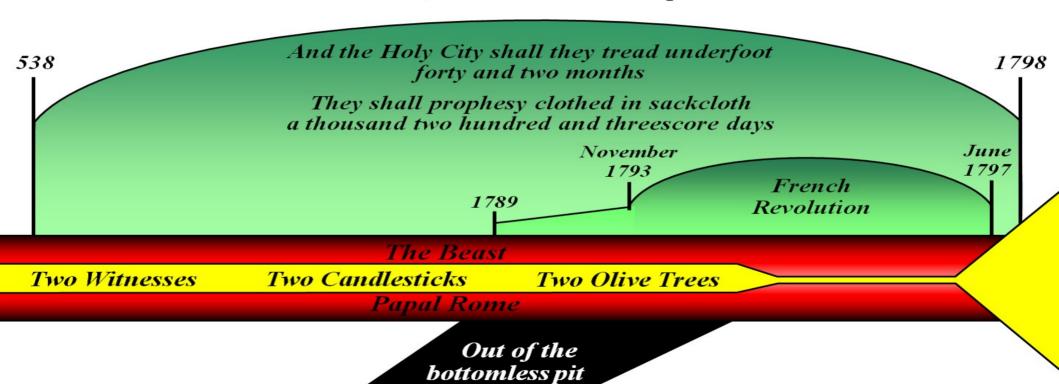






Revelation 11:1-13 War Against the Bible #1

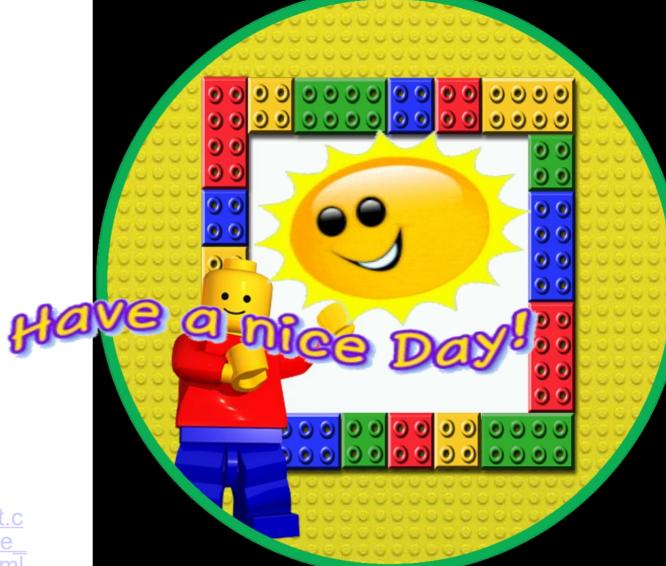
And there was given me a reed like unto a rod: and the angel stood, saying, Rise, and measure the temple of God, and the altar, and them that worship therein.



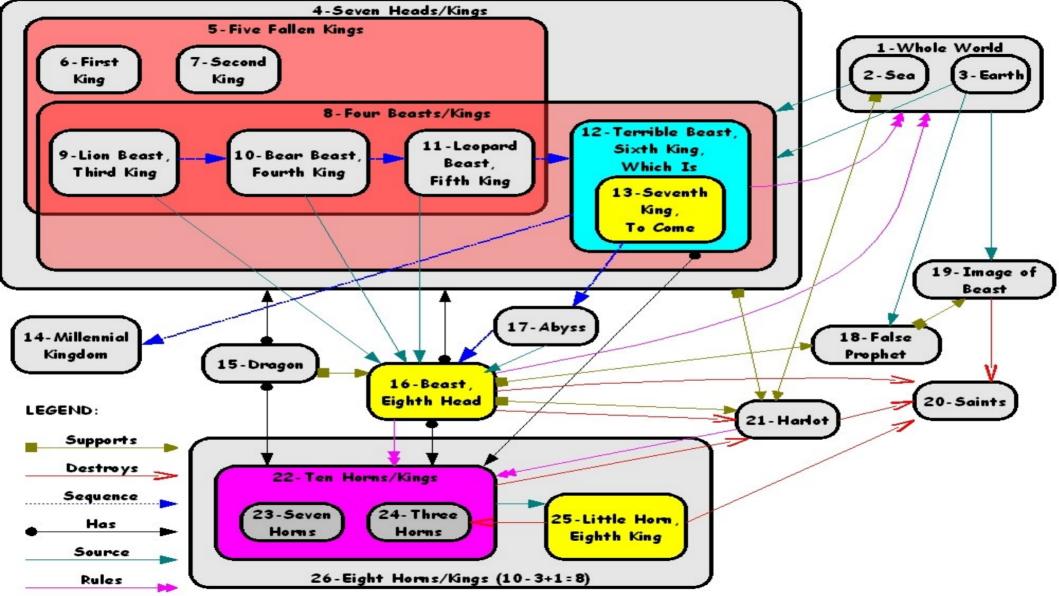
And there was given me a reed like unto a rod: and the angel stood, saying, Rise, and measure the temple of God, and the altar, and them that worship therein.

— Revelation 11:1 (KJV)

Click Here



http://www.thebricktestament.c om/revelation/god_burns_one_third_of_earth/rv08_01-02.html



1 O FACTS ABOUT HELL NOT TOLD IN THE CHURCH TODAY

- 1. It's a dark, eternal PLACE of fire, brimstone & torment, not a state of mind.
- 2. It's ruled by GOD, not by the Devil.
- 3. God IS in there as an ANGRY, HOLY JUDGE, not separated from sinners.
- 4. The Devil & his Angels are NOT tormenting people in Hell, GOD is.
- 5. The Devil is NOT in hell yet.
- 6. The Devil & his angels will be TORMENTED there forever & ever.
- 7. Jesus preached more about Hell than Heaven.
- 8. Using Hell as a curse word is a sin.
- People end up in Hell because their SIN inccurs God's WRATH.
- 10. Just "believing in God" will not save you from Hell.

Only JESUS can save you cos He paid ALL your sins on the cross & rose again.

Place your faith in Him alone.



- 2. No more pain, tears, sorrow, hunger, thirst or uncomfortable conditions Rev 21:4; Rev 7:16 3. No more sin Rev 21:27

 - 4. Jesus will reward us Rev 22:12
 - 5. We will serve and worship God Rev 22.3

ETERNAL LOVE

Ro 8:38,39

BENEFITS

- 1. All of our sins are forgiven Col 2:13
- 2. Jesus will never leave us Heb 13:5
- 3. His Holy Spirit, our helper lives in us forever Jn 14:16,17
 - 4. We can bring our cares to God for He cares for us 1 Pe 5:7
 - 5. We will be united in marriage to Christ Eph 5:31,32; Rev 19:7,8

ETERNAL NEEDS

Jn 1:12

BENEFITS

- 7. Part of God's household Eph 2:19
- 2. Adopted into God's family Eph 1:5
- 3. No longer slaves but Sons Ro 8:15
- 4. Joint heirs with Christ Ro 8:17 5. We will be like God 1 Jn 3:2

ETERNAL PURPOS

Eph 2:10

BENEFITS

- . God has a plan to prosper us Jer 29:11 2. It is God that works in us to fulfill
- His purposes Php 2:13
- 3. We are His ambassadors 2 Co 5:20
 - 4. Each purpose is valuable 1 Co 12:21,22
 - 5. The power of prayer Jn 14:13,14

MOST PEOPLE CAN'T SEE BECAUSE



THEY HAVE THE WORLD PULLED OVER THEIR EYES

How long it takes to read THE BOOK OF Revelation Bible reading time by Knowing The Time Christian Blog

Chapter 1	2 min 59		
Chapter 2	3 min 59		
Chapter 3	3 min 18		
Chapter 4	1 min 49		
Chapter 5	2 min 14		
Chapter 6	2 min 44		
Chapter 7	2 min 30		
Chapter 8	2 min 03		
Chapter 9	2 min 59		
Chapter 10	1 min 50		
Chapter 11	2 min 55		
Chapter 12	2 min 32		
Chapter 13	2 min 43		
Chapter 14	3 min 16		
Chapter 15	1 min 22		
Chapter 16	2 min 52		
Chapter 17	2 min 39		
Chapter 18	3 min 43		
Chapter 19	3 min 11		
Chapter 20	2 min 26		
Chapter 21	3 min 44		
Chapter 22	2 min 44		
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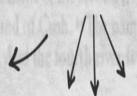
Blessed is he who reads and those who hear the words of this prophecy, and keep those things which are written in it; for the time is near.

Revelation 1:3

FAITHFUL -> DRIFT

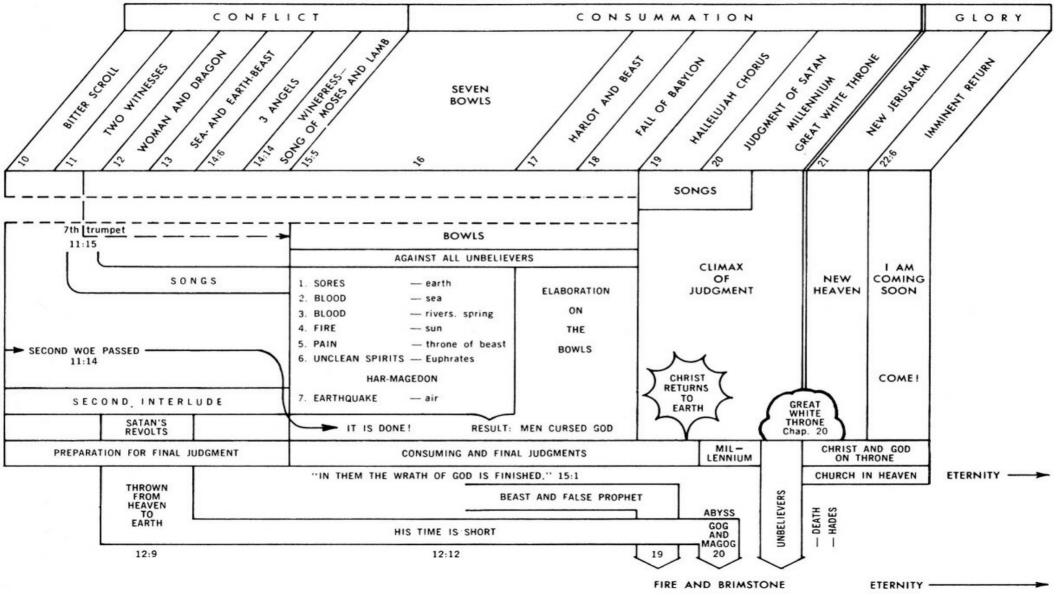
BLIND/ DECEIVED

HARDENED HEART



IDENTIFYING MARKS OF THE LAST DAYS

- Unprecedented warfare.—Matthew 24:7; Revelation 6:4
- Famine.—Matthew 24:7; Revelation 6:5, 6, 8
- Pestilences.—Luke 21:11; Revelation 6:8
- Increasing lawlessness.—Matthew 24:12
- Earthquakes.—Matthew 24:7
- Critical times hard to deal with.—2 Timothy 3:1
- Inordinate love of money.—2 Timothy 3:2
- Disobedience to parents.—2 Timothy 3:2
- A lack of natural affection.—2 Timothy 3:3
- Loving pleasures rather than God.—2 Timothy 3:4
- A lack of self-control.—2 Timothy 3:3
- Without love of goodness.—2 Timothy 3:3
- Taking no note of the impending danger.—Matthew 24:39
- Ridiculers rejecting proof of the last days.—2 Peter 3:3, 4
- Global preaching of God's Kingdom.—Matthew 24:14



7 SEALS & MATTHEW 24 & "SONG OF MOSES" Comparison YHWH TELLS US 3 X 5 7 SEALS MATTHEW 24 **DEUTERONOMY 32** REVELATION CHAPTERS 6.7 & 8 SUNG AT REV 15:3

1ST SEAL

CONOUERI

& HADES

UR BLO

REST UNTIL

FILLED &

BROTHERS KILLED

ST SEAL

SCALES

3...a WHITE HORSE! And its RIDER had a BOW.

& a CROWN was given to him. & he came out CONQUERING & to CONQUER.

Rev 6:3 2 ND SEAL

4 ... another HORSE that was RED: & power was given to him to TAKE PEACE from the EARTH.

& that they should KILL ONE ANOTHER: & there was given unto him a GREAT SWORD, Rev 6:4

3 RD SEAL ...a BLACK HORSE! & its rider had a pair of SCALES in his hand.

.. "A QUART OF WHEAT for A DAYS WAGE, & THREE QUARTS OF BARLEY for A DAYS WAGE,

& do not harm the oil & wine!" Rev 6:5-6

4TH SEAL 8 ... a PALE HORSE! .DEATH, & HADES were given power over 1/4 of the earth, to KIL

& with FAMINE & by WILD BEASTS.. Rev 6-8

5TH SEAL MARTYRS under ALTAR 10 JUDGE & AVENGE our BLOOD ...?" ... each given a

& told to REST should be COMPLETE, who were to be KILLED as they themselves had been. Rev 6:10-11

6TH SEAL

15 Then the MINGS... the GREAT ONES & the GENERALS & the RICH & the POWERFUL, & EVERYONE, SLAVE & FREE, HID in the CAVES & among the ROCKS of the MOUNTAINS,

16 calling to the MOUNTAINS & ROCKS, "Fall on us & HIDE us from the FACE of him who is seated on the THRONE, & from the WRATH OF THE LAMB, 17 for THE GREAT DAY OF THEIR WRATH HAS COME, & who can stand?" Rev 6



PROVIDES LIST OF ARROWS MISSING IN SEAL 1 23 will spend my ARROWS (Seal 1) on them. 24 They shall be WASTED with HUNGER, DEVOURED against them by PESTILING (Seal 4) will also send the TEETH of BEASTS. The **SWORD** shall **DESTROY** outside; DEUTERONOMY 32:23-25

SONG OF MOSES"

... NATION WILL RISE AGAINST NATION & KINGDOM AGAINST KINGDOM... MATTHEW 24:7





24 "They shall be WASTED with HUNGER" DEUTERONOMY 32:2

25 "...The **SWORD**

shall **DESTROY** outside"

DEUTERONOMY 32:25

⁷ For NATION will Rise AGAINST NATION & KINGDOM AGAINST KINGDOM & there will be FAMINES & PESTILENCES

& EARTHQUAKES in various places. 8 All these are but the BEGINNING OF THE BIRTH PAINS.

MATTHEW 24:7-8

⁹ Then they WILL



& you WILL be HATED BY **ALL NATIONS** for MY NAME'S SAKE. MATTHEW 24:9



17 he called to all the BIRDS that fly directly overhead, "Come, gather for the GREAT SUPPER OF GOD, 18 to eat the flesh of MINES, the FLESH of CAPTAINS the FLESH of MIGHTY MEN, the FLESH of HORSES & their RIDERS, & the FLESH of ALL MEN, both FREE & SLAVE, both SMALL & GREAT." Rev 19:17-18

23 will spend my ARROWS (Seal 1) on them. 24 They shall be WASTED with HUNGER (Seal 3 & 4) DEVOURED by PESTILENCE (Seal 4)... will also send against them the EETH of BEASTS (Seal 4), 25 The SWORD (Seal 2 & 4) shall DESTROY outside; DEUTERONOMY 32:23-25

43 for He will AVENGE the **BLOOD OF HIS SERVANTS** & render VENGEANCE to His adversaries: He will provide ATONEMENT FOR HIS LAND & HIS PEOPLE DEUTERONOMY 32:23-25

41 If whet My GLITTERING SWORD, & My hand takes hold on JUDGMENT will render **VENGEANCE** to My enemies,... and repay those who hate Me. 42 Will make My ARROWS DRUNK WITH & My SWORD shall devour flesh. with the BLOOD of the slain & the captives. from the **HEADS** of the **LEADERS** of the **ENEMY** DEUTERONOMY 32:41-42

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Vigorous thunderclouds can intrude slightly into the lowest stratosphere in the form of so-called overshooting tops resulting from intense convection (the rising of warm air). The turbulence associated with such thunderstorms creates a localized zone of mixing between the troposphere and stratosphere.

The electrical fields caused by thunderheads, which of course create lightning

within them and down to the Earth's surface, trigger colorful pulses of light

Thunderstorms and Transient Luminous Events

there.

in the upper atmosphere known as Transient Luminous Events (TLEs).

One kind of TLE, known as a blue jet, consists of a conical blue discharge that fires in the stratosphere from the field created by the positively charged

cloud top of the thunderstorm and the negatively charged zone formed above

it. Blue jets are thought to transport water vapor as well as nitric and nitrous

oxides into the stratosphere and also locally decrease ozone concentrations

Another TLE, the red sprite, originates at altitudes above the stratosphere, but its "streamers" can propagate downward into this layer.

Types of Lightning

- Intra-cloud lightning: Lightning happening inside a cloud.
- Cloud to Ground Lightning: Lightning that hits the Earth from a cloud.
- Bead Lightning: A brighter version of cloud to ground lightning.
- Cloud to Cloud Lightning: Lightning that goes from one cloud to another.(RARE)
- Ball Lightning: Lightning that comes in the shape of a ball in a thunderstorm



The Thunderstorm Spectrum

Single	Multicell	Multicell	Supercell
Cell	Cluster	Line	
Weak updraft	Weak updraft	Weak updraft	Intense updraft
(non-severe)	(non-severe)	(non-severe)	(Almost always
or	of	or	severe)
Strong updraft	Strong updraft	Strong updraft	Mesocyclone
(severe?)	(severe)	(severe)	present
Slight threat	Moderate threat	Moderate threat	High threat

 Figure 8 – Thunderstorm intensity based on type and updraft strength. (fm NOAA)