UNDERSTANDING THE BIBLICAL MAZZAROTH

Part I: The Mazzaroth: Constellations in their Seasons.

Part II: The Mazzaroth: His Heavenly Banner. Part III: Comet Elenin: Fiction or Reality?

The Heavens Declare His Glory

Prepared by: Odette Boíly March 4, 2012

The Heavens Declare the Glory of God

Glory, Honor and Praises

"The heavens declare the glory of God; and the firmament sheweth his handywork.

Day unto day uttereth speech, and night unto night sheweth knowledge.

There is no speech nor language, where their voice is not heard.

Their line is gone out through all the earth, and their words to the end of the world. In them hath he set a tabernacle for the sun,

Which is as a bridegroom coming out of his chamber, and rejoiceth as a strong man to run a race.

His going forth is from the end of the heaven, and his circuit unto the ends of it: and there is nothing hid from the heat thereof." Psalm 19:1-6.

"He telleth the number of the stars; he calleth them all by their names. Great is our Lord, and of great power: his understanding is infinite." Psalm 147:4, 5.

"Lift up your eyes on high, and behold who hath created these things, that bringeth out their host by number: he calleth them all by names by the greatness of his might, for that he is strong in power; not one faileth." Isaiah 40:26.

Table of Contents

Chapters	Pages
Understanding the Mazzaroth: Constellations and Planets	4
Introduction Part I	
I. Mazzaroth and Explanation	
1. Definition of Mazzaroth	
2. Explanation of Mazzaroth	5
3. The Word Mazzaroth Occurs Twice in Scripture	
II. The Constellations and the Ecliptic Line	7
4. The Constellations: 48 and 88	
My Comment	
5. The Ecliptic Line	8
III. What is the Purpose of the Sun, the Moon and the Heavens?	9
6. What is HaShem's (the LORD) Purpose?	
7. The Sun and the Moon	
8. The Heavens Proclaim His Righteousness	10
9. Heavens and the Earth: Witnesses Against Us	11
IV. Origin of the Mazzaroth Revealed in the Scriptures	13
10. The Creator Gave them their Names	
11. Names of Stars and Constellations	14
V. Scriptures, History and Astronomy	17
12. Joseph and his Dreams	
13. Josephus and the Celestial Bodies	18
14. Book of Jubilee and the Celestial Bodies	19
15. The Constellations and the Tribe of Israel	
16. The Planets as Mentioned in Scripture	22
17. Names of Mazzaroth Signs	25
18. The Hebrew "Alephbeth"	27

Part II.	
VI. His Heavenly Banner: Abrahamic Covenant in the Mazzaroth	28
Introduction	
My Comment	
19. The Covenant	29
My Comment	30
20. The Signs, Meaning, Description of the Mazzaroth	31
21. Timeline of the Mazzaroth	32
22. Order and Timing of Historical Events	33
23. Scripture Witnesses to the Abrahamic Covenant	34
Part III	
VII. Comet Elenin: Fiction or Reality	36
Introduction	
24. Elenin: Not Just Another Comet	
25. The Meaning of the Word: Elenin	
My Comment	37
VIII. Comet Elenin and the Mazzaroth Connection	38
26. Elenin and Its Connection with the Mazzaroth	
My Comment	40
IX. Comet Elenin: End Time Scenario	42
27. Joseph and His Family: An End Time Scenario	
28. The Birth of Zion	43
My Comment	
X. Comet Elenin: Draco and Yom Kippur 2011	45
29. Another Wonder in the Heavens: Draco the Dragon	
XI. Comet Elenin: Passover and Pentecost 2012	46
My Comment	
30. Astronomical Data Connected to Elenin in 2012	
My Comment	48
Conclusion	50
References	52

Understanding the Mazzaroth: Constellations and Planets

Introduction

The following study made up of Part I, II and III is to explore the wealth of information that relates to the celestial bodies, through the Scriptures, the Oral Law, and the wisdom of the Sages as called by some authors, in order to understand their purpose and application for us today. Part I is based on the Old Testament and prepared with a Hebrew perspective.

Part II includes the Abrahamic Covenant found in the Old and the New Testament. Part III includes an adaptation of a series of videos on the comet Elenin and its proposed application for past and upcoming events and which ties in with the study prepared on the Dream of William Miller. Please read after much prayer as it may help us to better understand the message which the Heavenly Father has for us at this time as we may be entering the Judgment of the Living and the Sealing of the 144000, as bold as this declaration may sound.

Part I

A. Mazzaroth Definition and Explanation

1. Definition of 'Mazzaroth'

Taken from The Mazzaroth (Zodiac), by Hillel ben David (Greg Killian) [1], we read: [All Scriptures in [1] are from the TANAK – Jewish Publication Society]

"The Mazzaroth [Job 38:31-33], also known as the zodiac, is the name given to the pattern of stars found on the celestial equator, or ecliptic. The ecliptic is an imaginary zone of the heavens containing the twelve signs within which lie the paths of the principal planets, [it should be noted that the ancients were aware of only the five visible planets, namely, Venus, Mars, Jupiter, Saturn, and Mercury], and through which the sun passes in its annual course.

Mazzaroth is the Hebrew word for Constellation. There is a related Hebrew word: Mazzaloth. The Sages teach us that the primary use of the astronomical bodies is for calculating times and seasons and to serve as signs. The Torah also emphasizes this idea:

Bereshit (Genesis) 1:14 And HaShem said, Let there be lights in the firmament of the heaven to divide the day from the night; and let them be for signs, and for seasons, and for days, and years.[1]

HaShem

"It is common Jewish practice to restrict the use of the word Adonai to prayer only. In conversation, many Jewish people, even when not speaking Hebrew, will call God HaShem, השם, which is Hebrew for "the Name" (this appears in Leviticus 24:11). Many Jews extend this prohibition to some of the other names listed below, and will add additional sounds to alter the pronunciation of a name when using it outside of a liturgical context, such as replacing the "h" with a "k" in names of God such as "kel" and "elokim".

While other names of God in Judaism are generally restricted to use in a liturgical context, HaShem is used in more casual circumstances. HaShem is used by Orthodox Jews so as to avoid saying Adonai outside of a ritual context. For example, when some Orthodox Jews make audio recordings of prayer services, they generally substitute HaShem for Adonai; a few others have used Amonai. On some occasions, similar sounds are used for authenticity, as in the movie Ushpizin, where Abonai Elokenu [sic] is used throughout."[2]

- "The **Torah** [Moses 5 Books] emphasizes the importance of time and keeping track of time. Therefore, keep this in mind as we study. The astronomical bodies are to serve as:
- 1. Signs
- **2.** and for **seasons**
- 3. and for days
- 4. and for years

2. Explanation of Mazzaroth

4216 **Mazzarah**, maz-zaw-raw'; appar. from 5144 in the sense of distinction; some noted constellation (only in the plur.), perh. collect. the zodiac:- Mazzaroth. Comp. 4208.

5144 **nazar**, naw-zar'; a prim. root; to hold aloof, i.e. (intrans.) abstain (from food and drink, from impurity, and even from divine worship [i.e. apostatize]); spec. to set apart (to sacred purposes), i.e. devote:- consecrate, separate (-ing, self).

4208 **mazzalah**, maz-zaw-law'; appar. from 5140 in the sense of raining; a constellation, i.e. Zodiacal sign (perh. as affecting the weather):- planet. Comp. 4216.

3. The Word Mazzaroth Occurs Twice in Scriptures

• The first is in:

Iyov (Job) 38:31-33 Can you bind the beautiful Pleiades? Can you loose the cords of Orion? Can you bring forth **the constellations in their seasons** [Mazzaroth] or lead

out the Bear with its cubs [Arcturus with his sons, KJV]? Do you know the laws of the heavens? Can you set up [God's] dominion over the earth?

The very first mitzva [statute] given to the Jewish people concerned time and its calculation:

Shemot (Exodus) 12:1-4 And HaShem spake unto Moses and Aaron in the land of Egypt, saying, This **month** [shall be] unto you the beginning of months: it [shall be] the **first month of the year** to you. Speak ye unto all the congregation of Israel, saying, In the tenth [day] of this month they shall take to them every man a lamb, according to the house of [their] fathers, a lamb for an house: And if the household be too little for the lamb, let him and his neighbour next unto his house take [it] according to the number of the souls; every man according to his eating shall make your count for the lamb.

Such is the importance of time and the astronomical bodies!

• The second time is in a slightly different form:

II Melakim (Kings) 23:3-5 The king stood by the pillar and renewed the covenant in the presence of HaShem--to follow HaShem and keep his commands, regulations and decrees with all his heart and all his soul, thus confirming the words of the covenant written in this book. Then all the people pledged themselves to the covenant. The king ordered Hilkiah the high priest, the priests next in rank and the doorkeepers to remove from the temple of HaShem all the articles made for Baal and Asherah and all the starry hosts. He burned them outside Jerusalem in the fields of the Kidron Valley and took the ashes to Bethel. He did away with the pagan priests appointed by the kings of Judah to burn incense on the high places of the towns of Judah and on those around Jerusalem-those who burned incense to Baal, to the sun and moon, to the constellations and to all the starry hosts.

B. The Constellations and the Ecliptic Line

4. The Constellations: 48 and 88

For untold thousands of years men have traced the outlines of familiar things among the stars. These **patterns in the night sky** are called **constellations**, from Latin words meaning together and stars.

Many of the constellations have names that are very old. The Sumerian shepherds and farmers of Mesopotamia [thousands of] years ago may have called the Bull, the Ram, the Lion, and many other constellations by the same names we use. Students of history are sure these names started in Mesopotamia because the choice of animals suggests this. If the names had first been used in Egypt, there should be a hippopotamus or elephant among the stars. If they had started in ancient India, there should be a tiger or crocodile.

The later people of Mesopotamia took over the old Sumerian names for the constellations and still later the Greeks adopted them. The Greeks added many names of heroes and demigods to the list of constellations. The Romans used the Greek list but translated the names into Latin.

About AD 150 the Egyptian astronomer Ptolemy listed the **48 constellations** known to him in his book the `Almagest'. His list did not cover the entire sky. There were blank spaces between constellations; and there were no constellations at all for the southernmost stars because these could not be seen from the Mediterranean region. In later centuries astronomers added constellations to Ptolemy's list. Some of these later constellations are named for scientific instruments, such as the Sextant, the Compasses, and the Microscope. Others bear the names of birds and beasts in tropical regions (the Giraffe, the Chameleon, the Toucan). Today **88 constellations** are recognized by astronomers."[1]

> My Comment

The Bible is clear that it is the Creator who gave the names to the stars:

"He telleth the number of the stars; he calleth them all by their names. Great is our Lord, and of great power: his understanding is infinite." Psalm 147:4, 5. KJV

"Lift up your eyes on high, and behold who hath created these things, that bringeth out their host by number: he calleth them all by names by the greatness of his might, for that he is strong in power; not one faileth." Isaiah 40:26. KJV

"To most people a **constellation** is a group of bright stars, but to an astronomer it is a **definite area in the sky**. Thus every star, no matter how dim, lies in one constellation or another, just as any point in the world is in one country. Although all the stars in the same constellation look close together in the sky, they are not necessarily close in space because some may be much farther out in space than others. In **1928** astronomers straightened

them out so that the outline of any constellation includes **only straight lines running north and south or east and west**. Astronomers use the constellation names to identify most bright stars and all variable stars, so it was important to make the boundaries clear and precise.

The constellations are useful to astronomers today, not for their connections with ancient myths, but for telling where in the sky different stars can be found. Many of the brightest stars have individual names that come from Greek, Latin, or Arabic, and the navigators of ships and aircraft call them by these names. Astronomers, however, find it more convenient to name them by their constellations, with a Greek letter to distinguish the different stars in each constellation. For example, Polaris, the Pole Star, in the Northern Hemisphere, is the brightest star in the constellation Ursa Minor, the Little Bear, and the astronomers' name for it is alpha Ursae Minoris."[1]

5. The Ecliptic Line

"The **path of the sun among the stars is called the ecliptic**. The twelve constellations that lie along the ecliptic form the Zodiac [Mazzaroth]. The other constellations are divided into those north of the Zodiac and those south of it [the moon travels in 1 month: north and south of the ecliptic line].

From one place on the Earth different constellations are seen at different times of the year. This happens because, as well as turning on its axis, the Earth is always moving around the sun, making one orbit each year. A star that is visible at night during one part of the year may appear close to the sun six months later; it would not then be seen at night.

Some constellations can be seen only from the Northern Hemisphere and some only from the Southern Hemisphere. The [12 Cardinal] constellations of the Zodiac [Mazzaroth] can be seen from both hemispheres.

The equator system is based on the concept of the celestial sphere. All the stars and other heavenly bodies can be imagined to be located on a huge sphere that surrounds Earth. The sphere has several imaginary lines and points. One such line is the celestial equator, which is the projection of Earth's equator onto the celestial sphere. Another is the line of the ecliptic, which is the sun's apparent yearly path along this sphere. The celestial equator and the ecliptic intersect at two points, called the **vernal equinox and the autumnal equinox**. (When the sun is at either point, day and night on Earth are equally long.) The north and south celestial poles are extensions of the North and South poles of Earth along Earth's axis of rotation.

In the equator system, the position of a star is given by the declination and the right ascension. The declination locates the star from the celestial equator, and the right ascension locates the star from the vernal equinox. Since this system is attached to the celestial sphere, all points on Earth (except the poles) are continually changing their positions under the coordinate system.

C. What is the Purpose of the Sun, the Moon and the Heavens?

6. What is HaShem's [the LORD] Purpose?

Bereshit (Genesis) 1:14-19 And God said, "Let there be lights in the expanse of the sky to separate the day from the night, and let them serve as signs to mark seasons and days and years, And let them be lights in the expanse of the sky to give light on the earth." And it was so. God made two great lights--the greater light to govern the day and the lesser light to govern the night. He also made the stars. God set them in the expanse of the sky to give light on the earth, To govern the day and the night, and to separate light from darkness. And God saw that it was good. And there was evening, and there was morning--the fourth day.

• Season:

4150 **mow`ed**, mo-ade'; or mo`ed, mo-ade'; or (fem.) mow`adah (2 Chron. 8:13), mo-awdaw'; from 3259; prop. an appointment, i.e. a fixed time or season; spec. a festival; conventionally a year; by implication, an assembly (as convened for a definite purpose); technically the congregation; by extension, the place of meeting also a signal (as appointed beforehand):-appointed (sign, time), (place of, solemn) assembly, congregation, (set, solemn) feast, (appointed, due) season, solemn (-ity), synagogue, (set) time (appointed).

• Govern:

4910 mashal, maw-shal'; a prim. root; to rule:-(have, make to have) dominion, governor, X indeed, reign, (bear, cause to, have) rule (-ing, -r), have power.

Years:

8141 shaneh (in plur. only), shaw-neh'; or (fem.) shanah, shaw-naw'; from 8138; a year (as a **revolution of time**):-+ whole age, X long, + old, year (X -ly).

8138 shanah, shaw-naw'; a prim. root; to fold, i.e. duplicate (lit. or fig.); by impl. to transmute (trans. or intrans.):-do (speak, strike) again, alter, double, (be given to) change, disguise, (be) diverse, pervert, prefer, repeat, return, do the second time.

7. The Sun and the Moon

In the account of the fourth day of creation, the sun and moon are referred to as the "great luminaries", but then, within the same verse, the sun retains that title, but the moon is called the "small luminary". In fact, both descriptions are correct. When considered from our human perspective, both the sun and the moon are large. They are the only two sources of light that appear to the naked eye as more than a point of light in the sky. (Planets appear as disks only when viewed with telescopes; stars, even giant ones, remain "points" even under very high magnification.) In fact, the sun and the moon appear to be almost exactly the same size, as seen from Earth.[1]

This results from the sun having a diameter approximately 400 times that of the moon, while being approximately 400 times as distant. On the other hand, the moon is actually quite small in comparison to the sun. One commentator noted that when the sun and moon are referred to as "M'orot birkiya hashamayim", luminaries in the heavens, the word "M'orot" is spelled "deficiently", without a "vav", indicating that in the heavens, they are not on equal footing. The moon doesn't even provide its own light. There really is only one (major) luminary in the heavens. However, when the phrase used is "M'orot birkiya hashamayim l'ha'ir al ha-aretz", luminaries to illuminate the Earth, then the word "M'orot" has a "vav", since from our perspective, there are two (major) sources of light in our sky. The Torah speaks (mostly) in terms that fit our perspective.

Tehillim (Psalms) 136:1-9 Give thanks to HaShem, for he is good. His love endures forever. Give thanks to the God of gods. His love endures forever. Give thanks to the Lord of lords: His love endures forever. To him who alone does great wonders, His love endures forever. Who by his understanding made the heavens, His love endures forever. Who spread out the earth upon the waters, His love endures forever. Who made the great lights, His love endures forever. The sun to govern the day, His love endures forever. The moon and stars to govern the night; His love endures forever.

Tehillim (Psalms) 19:1-6 (For the director of music. A psalm of David.) *The heavens declare the glory of HaShem*; the skies proclaim the work of his hands. Day after day they pour forth speech; night after night they display knowledge. There is no speech or language where their voice is not heard. Their voice goes out into all the earth, their words to the ends of the world. **In the heavens he has pitched a tent for the sun**, Which is like a bridegroom coming forth from his pavilion, like a champion rejoicing to run his course. It rises at one end of the heavens and makes its circuit to the other; nothing is hidden from its heat.

8. The Heavens Proclaim His Righteousness

Tehillim (Psalms) 97:1-6 HaShem reigns, let the earth be glad; let the distant shores rejoice. Clouds and thick darkness surround him; righteousness and justice are the foundation of his throne. Fire goes before him and consumes his foes on every side. His lightning lights up the world; the earth sees and trembles. The mountains melt like wax before HaShem, before the Lord of all the earth. **The heavens proclaim his righteousness**, and all the peoples see his glory.

Tehillim (Psalms) 50:1-6 (A psalm of Asaph.) The Mighty One, God, HaShem, speaks and summons the earth from the rising of the sun to the place where it sets. From Zion, perfect in beauty, God shines forth. Our God comes and will not be silent; a fire devours before him, and around him a tempest rages. He summons the heavens above, and the earth, that he may judge his people: "Gather to me my consecrated ones, who made a

covenant with me by sacrifice." And **the heavens proclaim his righteousness**, for God himself is judge. Selah.

9. Heavens and the Earth: Witnesses Against Us

Devarim (Deuteronomy) 4:14-19 And HaShem directed me at that time to teach you the decrees and laws you are to follow in the land that you are crossing the Jordan to possess. You saw no form of any kind the day HaShem spoke to you at Horeb out of the fire. Therefore watch yourselves very carefully, So that you do not become corrupt and make for yourselves an idol, an image of any shape, whether formed like a man or a woman, Or like any animal on earth or any bird that flies in the air, Or like any creature that moves along the ground or any fish in the waters below. **And when you look up to the sky and see the sun, the moon and the stars--all the heavenly array--do not be enticed into bowing down to them and worshiping things HaShem your God has apportioned to all the nations under heaven.**

5046 nagad, naw-gad'; a prim. root; prop. to front, i.e. stand boldly out opposite; by impl. (causat.), to manifest; fig. to announce (always by word of mouth to one present); spec. to expose, predict, explain, praise:-bewray, X certainly, certify, declare (-ing), denounce, expound, X fully, messenger, plainly, profess, rehearse, report, shew (forth), speak, X surely, tell, utter.

The "heavenly array" could also be translated the "heavenly army". This is a military term!

Devarim (Deuteronomy) 4:25-27 After you have had children and grandchildren and have lived in the land a long time--if you then become corrupt and make any kind of idol, doing evil in the eyes of HaShem your God and provoking him to anger, **I call heaven and earth as witnesses against you this day that you will quickly perish from the land that you are crossing the Jordan to possess.** You will not live there long but will certainly be destroyed. HaShem will scatter you among the peoples, and only a few of you will survive among the nations to which HaShem will drive you.

Devarim (Deuteronomy) 30:19 *This day I call heaven and earth as witnesses against you* that I have set before you life and death, blessings and curses. Now choose life, so that you and your children may live

Devarim (Deuteronomy) 31:24-30 After Moses finished writing in a book the words of this law from beginning to end, He gave this command to the Levites who carried the ark of the covenant of HaShem: "Take this Book of the Law and place it beside the ark of the covenant of HaShem your God. **There it will remain as a witness against you**. For I know how rebellious and stiff-necked you are. If you have been rebellious against HaShem while I am still alive and with you, how much more will you rebel after I die! Assemble before me all the elders of your tribes and all your officials, so that I can speak these words in their hearing and **call heaven and earth to testify against them**. For I

know that after my death you are sure to become utterly corrupt and to turn from the way I have commanded you. In days to come, disaster will fall upon you because you will do evil in the sight of HaShem and provoke him to anger by what your hands have made."[1]

D. Origin of the Mazzaroth Revealed in the Scriptures

10. The Creator Gave them their Names

Tehillim (Psalms) 147:1-5 Praise HaShem. How good it is to sing praises to our God, how pleasant and fitting to praise him! HaShem builds up Jerusalem; he gathers the exiles of Israel. He heals the brokenhearted and binds up their wounds. **He determines the number of the stars and calls them each by name**. Great is our Lord and mighty in power; his understanding has no limit.

Revelation 8:10-11 The third angel sounded his trumpet, and a great star, blazing like a torch, fell from the sky on a third of the rivers and on the springs of water-- **The name of the star is Wormwood**. A third of the waters turned bitter, and many people died from the waters that had become bitter.

Yes ayah (Isaiah) 40:25-26 "To whom will you compare me? Or who is my equal?" says the Holy One. Lift your eyes and look to the heavens: Who created all these? **He who brings out the starry host one by one**, and **calls them each by name**. Because of his great power and mighty strength, not one of them is missing.

Iyov (Job) 9:7-10 He speaks to the sun and it does not shine; he seals off the light of the stars. He alone stretches out the heavens and treads on the waves of the sea. He is the Maker of the Bear and Orion, the Pleiades and the constellations of the south. He performs wonders that cannot be fathomed, miracles that cannot be counted.

Iyov (Job) 38:28-33 Does the rain have a father? Who fathers the drops of dew? From whose womb comes the ice? Who gives birth to the frost from the heavens When the waters become hard as stone, when the surface of the deep is frozen? "**Can you bind the beautiful Pleiades? Can you lose the cords of Orion**? Can you bring forth the constellations in their seasons or lead out the **Bear with its cubs [Arcturus and his sons]**? Do you know the laws of the heavens? Can you set up [God's] dominion over the earth?

Amos 5:6-10 Seek HaShem and live, or he will sweep through the house of Joseph like a fire; it will devour, and Bethel will have no one to quench it. You who turn justice into bitterness and cast righteousness to the ground (**He who made the Pleiades and Orion**, who turns blackness into dawn and darkens day into night, who calls for the waters of the sea and pours them out over the face of the land--HaShem is his name-- He flashes destruction on the stronghold and brings the fortified city to ruin), You hate the one who reproves in court and despise him who tells the truth.

Shoftim (Judges) 5:19-20 Kings came, they fought; the kings of Canaan fought at Taanach by the waters of Megiddo, but they carried off no silver, no plunder. **From the heavens the stars fought, from their courses they fought against Sisera**.

Yeshayah (Isaiah) 13:6-10 Wail, for the day of HaShem is near; it will come like destruction from the Almighty. Because of this, all hands will go limp, every man's heart will melt. Terror will seize them, pain and anguish will grip them; they will writhe like a woman in labor. They will look aghast at each other, their faces aflame. See, the day of HaShem is coming--a cruel day, with wrath and fierce anger--to make the land desolate and destroy the sinners within it. **The stars of heaven and their constellations** will not show their light. The rising sun will be darkened and the moon will not give its light.

11. Names of Stars and Constellations

Bamidbar (Numbers) 24:15-19 Then he uttered his oracle: "The oracle of Balaam son of Beor, the oracle of one whose eye sees clearly, The oracle of one who hears the words of God, who has knowledge from the Most High, who sees a vision from the Almighty, who falls prostrate, and whose eyes are opened: "I see him, but not now; I behold him, but not near. A star will come out of Jacob; a scepter will rise out of Israel. He will crush the foreheads of Moab, the skulls of all the sons of Sheth. Edom will be conquered; Seir, his enemy, will be conquered, but Israel will grow strong. A ruler will come out of Jacob and destroy the survivors of the city."

Iyov (Job) 9:9 He is the Maker of the Bear and Orion, the Pleiades and the constellations of the south.

• Constellation Bear

5906 `Ayish, ah'-yish; or `Ash, awsh; from 5789; the constellation of the Great Bear (perh. from its migration through the heavens):-**Arcturus**. Ayath. See 5857. 5789 `uwsh, oosh; a prim. root; to hasten:-assemble self.

5857 `Ay, ah'-ee; or (fem.) `Aya' (Neh. 11:31), ah-yaw'; or `Ayath

(Isa. 10:28), ah-yawth; for 5856; Ai, Aja or Ajath, a place in Pal.:-Ai, Aija, Aijath, Hai.

• Constellation Orion

3685 Keciyl, kes-eel'; the same as 3684; any notable constellation; spec. Orion (as if a burly one):-constellation, Orion.

3684 keciyl, kes-eel'; from 3688; prop. fat, i.e. (fig.) stupid or silly:- fool (-ish).

Pleiades

3598 Kiymah, kee-maw'; from the same as 3558; a cluster of stars, i.e. the Pleiades:-Pleiades, **seven stars**.

3558 kuwmaz, koo-mawz'; from an unused root mean. to store away; a jewel (prop. gold beads):-tablet.

II Luqas (Acts) 28:11 After three months we put out to sea in a ship that had wintered in the island. It was an Alexandrian ship with the figurehead of the twin gods Castor and Pollux.

• Constellation Bethulah

Meaning: Virgin

• Star Tsemech

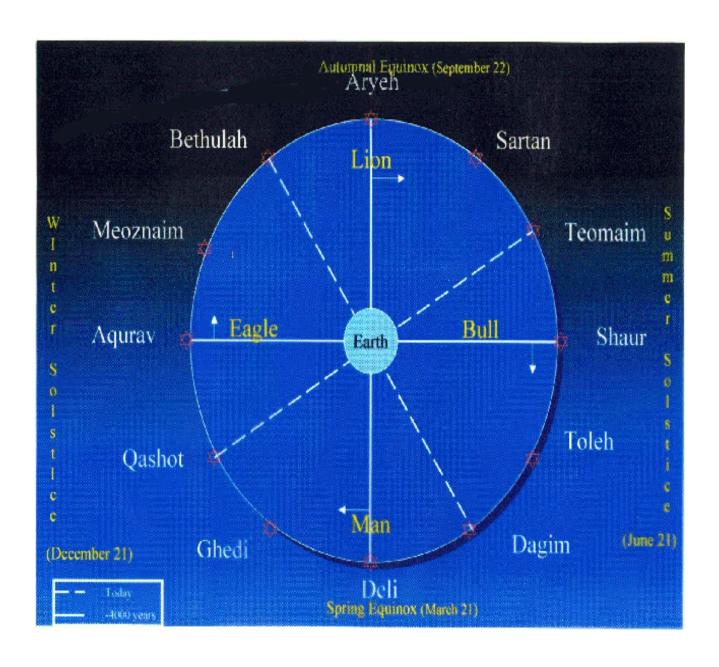
Meaning: Branch. Used exclusively of the Messiah. Jer 23:5-6, Zech 3:8, Zech 6:12 Isa 4:2.

• Star Zavijaveh

Meaning: Gloriously beautiful. Isa 4:2

• Constellation Mozanaim

Meaning: Scales. Iyov (Job) 31:6, Eze 45:10[1]



E. Scriptures, History and Astronomy

12. Joseph and his Dreams

Jacob's son Joseph who is a prophet of God makes use of a prophetic tool called a "cup of divination"

Bereshit (Genesis) 44:1-5 Now Joseph gave these instructions to the steward of his house: "Fill the men's sacks with as much food as they can carry, and put each man's silver in the mouth of his sack. Then put my cup, the silver one, in the mouth of the youngest one's sack, along with the silver for his grain." And he did as Joseph said. As morning dawned, the men were sent on their way with their donkeys. They had not gone far from the city when Joseph said to his steward, "Go after those men at once, and when you catch up with them, say to them, 'Why have you repaid good with evil? Isn't this **the cup my master drinks from and also uses for divination**? This is a wicked thing you have done.'"

And has predictive dreams with what is clearly **astronomical meaning**. The only way to correctly interpret his dream is by means of astronomy. **His father immediately understands Joseph's dream of the sun and the moon being references to himself and his wife:**

Bereshit (Genesis) 37:5-10 Joseph had a dream, and when he told it to his brothers, they hated him all the more. He said to them, "Listen to this dream I had: We were binding sheaves of grain out in the field when suddenly my sheaf rose and stood upright, while your sheaves gathered around mine and bowed down to it." His brothers said to him, "Do you intend to reign over us? Will you actually rule us?" And they hated him all the more because of his dream and what he had said. Then he had another dream, and he told it to his brothers. "Listen," he said, "I had another dream, and this time the sun and moon and eleven stars were bowing down to me." When he told his father as well as his brothers, his father rebuked him and said, "What is this dream you had? Will your mother and I and your brothers actually come and bow down to the ground before you?"

This further suggests that Jacob himself understood astronomy. These predictions of Joseph are fulfilled **EXACTLY**, see: Bereshit (Genesis) 45:9-12. Joseph is further described in scripture as a "God fearing man" Bereshit (Genesis) 42:18, who receives the blessing of his father Jacob after his prophesy with its astronomical symbolism concerning him comes to pass.

Scripture clearly states that Daniel was "learned" in the knowledge of the Chaldean astrologers and in fact was made "Chief of the astrologers":

Daniel 4:4-9 I, Nebuchadnezzar, was at home in my palace, contented and prosperous. I had a dream that made me afraid. As I was lying in my bed, the images and visions that passed through my mind terrified me. So I commanded that all the wise men of Babylon be brought before me to interpret the dream for me. When the magicians, enchanters, astrologers and diviners came, I told them the dream, but they could not interpret it for me. Finally, Daniel came into my presence and I told him the dream. (He is called Belteshazzar, after the name of my god, and the spirit of the holy gods is in him.) I said, "Belteshazzar, chief of the magicians, I know that the spirit of the holy gods is in you, and no mystery is too difficult for you. Here is my dream; interpret it for me.

He was obviously a different kind of prophet from the other royal advisers. At no point does he explicitly condemn Astronomy as such. Only that HaShem alone provides the "inspiration" (ie. Holy Spirit) for correct prophesy. Indeed, He even intervenes to prevent the execution of the pagan astrologers and is kindly towards them.

13. Josephus and the Celestial Bodies

THE ANTIQUITIES OF THE JEWS, Book 3, Chapter 6:7 and 7:7

"6:7. Over against this table, near the southern wall, was set a **candlestick** of cast gold, hollow within, being of the weight of one hundred pounds, which the Hebrews call Chinchares, if it be turned into the Greek language, it denotes a talent. It was made with its knops, and lilies, and pomegranates, and bowls (which ornaments amounted to **seventy** in all); by which means the shaft elevated itself on high from a single base, and spread itself into as many branches as there are **planets**, including the sun among them. It terminated in seven heads, in one row, all standing parallel to one another; and these branches carried seven lamps, one by one, in imitation of the number of the planets. These lamps looked to the east and to the south, the candlestick being situated obliquely.

7:7. Now here one may wonder at the ill-will which men bear to us, and which they profess to bear on account of our despising that Deity which they pretend to honor; for if anyone do but consider the fabric of the **tabernacle**, and take a view of the garments of the high priest, and of those vessels which we make use of in our sacred ministration, he will find that our legislator was a divine man, and that we are unjustly reproached by others; for if anyone do without prejudice, and with judgment, look upon these things, he will find they were everyone made in way of imitation and representation of the universe. When Moses distinguished the tabernacle into three parts, and allowed two of them to the priests, as a place accessible and common, he denoted the land and the sea, these being of general access to all; but he set apart the third division for God, because heaven is inaccessible to men. And when he ordered **twelve loaves** to be set on the **table**, he denoted the year, as distinguished into so many months.

By branching out the candlestick into seventy parts, he secretly intimated the Decani, or seventy divisions of the planets; and as to the seven lamps upon the candlesticks, they referred to the course of the planets, of which that is the number. The **veils**, too, which

were composed of four things, they declared the four elements; for the **fine linen** was proper to signify the earth, because the flax grows out of the earth; the purple signified the sea, because that color is dyed by the blood of a sea shell-fish; the blue is fit to signify the air; and the scarlet will naturally be an indication of fire. Now the **vestment of the high priest** being made of linen, signified the earth; the blue denoted the sky, being like lightning in its **pomegranates**, and in the noise of the **bells** resembling thunder.

And for the **ephod**, it showed that God had made the universe of four elements; and as for the gold interwoven, I suppose it related to the splendor by which all things are enlightened. He also appointed the **breastplate** to be placed in the middle of the ephod, to resemble the earth, for that has the very middle place of the world. And the **girdle** which encompassed the high priest round, signified the ocean, for that goes round about and includes the universe. Each of the sardonyxes declares to us the sun and the moon; those, I mean, that were in the nature of buttons on the high priest's shoulders. And for the **twelve stones**, whether we understand by them the months, or whether we understand the like number of the signs of that circle which the Greeks call the Zodiac, we shall not be mistaken in their meaning. And for the **mitre**, which was of a blue color, it seems to me to mean heaven; for how otherwise could the name of God be inscribed upon it? That it was also illustrated with a **crown**, and that of gold also, is because of that splendor with which God is pleased. Let this explication suffice at present, since the course of my narration will often, and on many occasions, afford me the opportunity of enlarging upon the virtue of our legislator."[1]

14. Book of Jubilees and the Celestial Bodies

Jubilees, Chapter 12:15

"And Terah went forth from Ur of the Chaldees, he and his sons, to go into the land of Lebanon and into the land of Canaan, and he dwelt in the land of Haran, and Abram dwelt with Terah his father in Haran two weeks of years. And in the sixth week, in the fifth year thereof, [1951 A.M.] Abram sat up throughout the night on the new moon of the seventh month to observe the stars from the evening to the morning, in order to see what would be the character of the year with regard to the rains, and he was alone as he sat and observed. And a word came into his heart and he said: All the signs of the stars, and the signs of the moon and of the sun are all in the hand of the Lord. Why do I search (them) out?"

15. The Constellations and the Tribes of Israel

Midrash Rabbah - Bamidbar **(Numbers) II:7 7**. ACCORDING TO THE ENSIGNS (II, 2).[3] There were distinguishing signs for each prince; each had a flag and a different color for every flag, corresponding to the precious stones on the breast[4] of Aaron. It was from these that governments[4] learned to provide themselves with flags of various colors. Each tribe had its own prince and its flag whose color corresponded to the color of its stone. [In Aaron's **breast-plate**]

- **Reuben**'s stone was ruby and the color of his flag was red; and embroidered thereon were mandrakes.[6]
- **Simeon**'s was topaz and his flag was of a green color; the town of Shechem was embroidered thereon.[7]
- **Levi**'s[8] was smaragd and the color of his flag was a third white, a third black, and a third red; embroidered thereon were the Urim and Thummim.[9]
- **Judah**'s was a carbuncle and the color of his flag was something like the heavens; embroidered on it was a lion.[10]
- **Issachar**'s was a sapphire and the color of his flag was black like stibium, and embroidered thereon was the sun and moon, in allusion to the text, And of the children of Issachar, men that had understanding of the times[11] (I Chron. XII, 33).
- **Zebulun**'s was an emerald and the color of his flag was white,[12] with a ship embroidered thereon, in allusion to the text, Zebulun shall dwell at the shore of the sea (Gen. XLIX, 13).
- **Dan**'s was a jacinth and the color of his flag was similar to sapphire,[13] and embroidered on it was a serpent, in allusion to the text, Dan shall be a serpent in the way (Gen. XLIX, 17).
- **Gad**'s[14] was an agate and the color of his flag was neither white nor black but a blend of black and white; on it was embroidered a camp, in allusion to the text, Gad[15], a troop shall troop upon him (ib. 19).
- Naphtali's was an amethyst and the color of his flag was like clarified wine of a not very deep red; on it was embroidered a hind, in allusion to the text, Naphtali is a hind let loose (ib. 21).
- **Asher**'s was a beryl and the color of his flag was like the precious stone with which women adorn themselves; embroidered thereon was an olive-tree, in allusion to the text, As for Asher, his bread shall be fat (ib. 20).
- **Joseph**'s was an onyx and the color of his flag was jet black; the embroidered design thereon for both princes, Ephraim and Manasseh, was Egypt, because they were born in Egypt.
- On the flag of **Ephraim** was embroidered a bullock, in allusion to the text, His firstling bullock (Deut. XXXIII, 17), which applies to Yahoshua (Joshua)[16] who came from the tribe of Ephraim.
- On the flag of the tribe of **Manasseh** was embroidered a wild ox, in allusion to the text, And his horns are the horns of the wild-ox (Deut. XXXIII, 17), which alludes to Gideon son of Joash who came from the tribe of Manasseh.[17]
- Benjamin's was jasper and the color of his flag was a combination of all the
 twelve colors; embroidered thereon was a wolf, in allusion to the text,
 Benjamin is a wolf that raveneth (Gen. XLIX, 27). The reason, then, why it is
 said, ACCORDING TO THE ENSIGNS is because each prince had his own
 distinguishing sign.

Mazzorah according to Rabbi Yoel (Joel) C. Dobin: (in Massaroth order and in birth order)

Reuben	Taurus
Simeon	Gemini
Levi	Cancer
Judah	Leo
Zebulon	Virgo
Issachar	Libra
Dan	Scorpio
Gad	Sagitarius
Asher	Capricorn
Napthali	Aquarius
Joseph	Pisces
Benjamin	Aries

The encyclopedia Judaica also indicates that there is a relationship between the mazzaroth and the tribes that is detailed in: Yal. Ex.418; Yal., I Melakim (Kings) 18:5.

The Encyclopedia Judaica indicates that "mazzalot" in 2 Melakim (Kings) 23:5 indicates "planets".

II Melakim (Kings) 23:5 He did away with the pagan priests appointed by the kings of Judah to burn incense on the high places of the towns of Judah and on those around Jerusalem--those who burned incense to Baal, to the sun and moon, to the **constellations and to all the starry hosts**.

16. The Planets as Mentioned in Scripture

• **Saturn** (ht,ca – Shabtai - Kevan) is found in:

Amos 5:26. But you shall carry Sikuth your king, and iyun, your images, your star-god, which you made for ourselves.

The planet that influences Tevet, Shabbtai (Saturn), symbolizes the power of contemplation which characterizes the Shabbat [Sabbath] experience: Refraining from the mundane, the world of the transcendent is revealed... (Seasons of the Moon - Tevet)

• **Venus** – (vdub - Nogah, Meleket haShamayim, the queen of heaven). This is understood from the fact that cakes are baked for her. Among the Assyro-Babylonians the cake-offerings were called "**the bread of Ishtar**" (Venus).[18] This usage is found in:

Yirimiyah (Jeremiah) 7:18. The children gather wood, and the fathers kindle the fire, and the women knead their dough, to make cakes to the queen of heaven, and to pour out drink offerings to other gods, that they may provoke me to anger.

• **Jupiter** (esm – tzedek - Gad "fortune").. It is found in:

Yeshayah (Isaiah) 65:11 "But as for you who forsake HaShem and forget my holy mountain, who spread a table for **Fortun**e and fill bowls of mixed wine for Destiny.

Mars

Mars, Madim, is not to be found in the Tanakh. The root, though, is found[19]. The root is Edom:

123 'Edom, ed-ome'; or (fully) 'Edowm, edome'; from 122; red [see Gen. 25:25]; Edom, the elder twin-brother of Jacob; hence the region (Idumaea) occupied by him:-Edom, Edomites, Idumea.

This word means: (very) red or (very) mad. The red connection with Mars is obvious. The use of this root in the understanding of "Mars" is in:

Yeshayah (Isaiah) 63:1-6 Who [is] this that cometh from **Edom**, with dyed garments from Bozrah? this [that is] glorious in his apparel, travelling in the greatness of his strength? I that speak in righteousness, mighty to save. Wherefore [art thou] red in thine apparel, and thy garments like him that treadeth in the winefat? I have trodden the winepress alone; and of the people [there was] none with me: for I will tread them in mine anger, and trample them in my fury; and their

blood shall be sprinkled upon my garments, and I will stain all my raiment. For the day of vengeance [is] in mine heart, and the year of my redeemed is come. And I looked, and [there was] none to help; and I wondered that [there was] none to uphold: therefore mine own arm brought salvation unto me; and my fury, it upheld me. And I will tread down the people in mine anger, and make them drunk in my fury, and I will bring down their strength to the earth.

Planet Names			
Greek Hebrew		Transliteration	
Saturn	ht,ca	Shabbtai	
Jupiter	esm	Zedek	
Mars	ohstn	Madim	
Sun	vnj	Chamah	
Venus	vdub	Nogah	
Mercury	cfuf	Kokav	
Moon	vbck	Lavanah	
		(Sefer Yetzirah)	

Babylonian Cuneiform from before 500 B.C.

Month	Sign	Meaning	
Nisan	Agaru (Aries)	The messenger of the new	
		year	
Iyar	Temennu (Plieiades)	The fountain	
	Alap-same (Taurus)	The bull of heaven	
Sivan	Ri-u-but-same (Orion)	The shepherd	
	Tuame (Gemini)	The Spirit of Heaven	
	Rabuti (Gemini)	The great twins	
Tammuz	Namgaru (Cancer)	The Crab	
	Nagar-asurra	Workman of the river bed.	
Av	Aru rabu (Leo)	The Great Lion	
Elul	Siru (Spica)	The ear of corn	
Tishri	Ziba [lacuna] (Libra)	The claws	
Heshvan	Aqrabu (Scorpio)	The Scorpion	
Kislev	Qesheth[bow]	Winged Fire-head	
	(Sagitarius)		
Tevet	Enzu (Capricorn)	The Goat	
Shevat	Ka-d (Aquarius) The Urn		
Adar	Riksu (Pisces)	The Cord	

• Dobin's translations:

Chavakkuk (Habakkuk) 3:11 Sun and moon stood still in the heavens at the glint of your flying arrows, at the lightning of your flashing spear.

• Should be translated:

Chavakkuk (Habakkuk) 3:11 *The sun and the moon stand still in their habitation; Thine arrows go towards the Sun, Thy glittering spear towards the Moon.*

Chavakkuk (Habakkuk) 3:2-4 HaShem, I have heard of your fame; I stand in awe of your deeds, HaShem. Renew them in our day, in our time make them known; in wrath remember mercy. God came from Teman, the Holy One from Mount Paran. Selah. His glory covered the heavens and his praise filled the earth. His splendor was like the sunrise; rays flashed from his hand, where his power was hidden.

• Should be translated:

Chavakkuk (Habakkuk) 3:2-4 O Lord, I have heard the report of Thee, and am afraid; O Lord, Thy work has its life in the midst (or by means of) of the years, It shall be known by means of the years. God cometh from (the direction of) Capricorn-Aquarius, And the Holy One (from the direction of) Mount Paran. Selah. And the Moon (or Venus), like the sun, will be rays at His side, and therein will lie the secret of His power.

Bamidbar (Numbers) 24:17 "I see him, but not now; I behold him, but not near. A star will come out of Jacob; a scepter will rise out of Israel. He will crush the foreheads of Moab, the skulls of all the sons of Sheth.

Bamidbar (Numbers) 24:17 What I see for them is not yet, What I behold will not be soon; A star rises from Jacob, a meteor comes forth from Israel, It smashes the brow of Moab, The foundation of all the children of Seth.

Bereshit (Genesis) 11:27-32 This is the account of Terah. Terah became the father of Abram, Nahor and Haran. And Haran became the father of Lot. While his father Terah was still alive, Haran died in Ur of the Chaldeans, in the land of his birth. Abram and Nahor both married. The name of Abram's wife was Sarai, and the name of Nahor's wife was Milcah; she was the daughter of Haran, the father of both Milcah and Iscah. Now Sarai was barren; she had no children. Terah took his son Abram, his grandson Lot son of Haran, and his daughter-in-law Sarai, the wife of his son Abram, and together they set out from Ur of the Chaldeans to go to Canaan. But when they came to Haran, they settled there. Terah lived 205 years, and he died in Haran.

17. Names of Mazzaroth Signs

The Encyclopedia Judaica indicates that 1 Divrei HaYamim (Chronicles) 12:33 indicates that the tribe of Issachar was the astronomers of Israel:

• Divrei HaYamim (Chronicles) 12:33 of the *Issacharites, men who knew how to interpret the signs of the times,* to determine how Israel should act; their chiefs were 200, and all their kinsmen followed them;[20]

The blessing of Bereshit (Genesis) 24:1 is interpreted as the gift of astronomy[21].

Bereshit (Genesis) 24:1 *Abraham was now old and well advanced in years, and HaShem had blessed him in every way.*

• SHOR

7794 showr, shore; from 7788; a **bullock** (as a traveller):-bull (-ock), cow, ox, wall [by mistake for 7791].

7788 shuwr, shoor; a prim. root; prop. to turn, i.e. travel about (as a harlot or a merchant):- go, sing. See also 7891.

7791 shuwr, shoor; from 7788; a wall (as going about):-wall.

TE'OMI

8380 ta'owm, taw-ome'; or ta'om, taw-ome'; from 8382; a twin (in plur. only), lit. or fig.:-twins.

ARIEH

738 'ariy, ar-ee'; or (prol.) 'aryeh, ar-yay'; from 717 (in the sense of violence); a **lion**: (young) lion, + pierce [from the marg.]. The sign of Av is Aryey, the lion, while the sign of Elul is Bethulah, the virgin. Our sages thus taught us that one should go in the right way "after a lion," which represents the month of Av. We should not go "after a woman," this being the virgin, the sign of Elul. One should not wait until Rosh HaShanah [which follows Elul] to begin repenting, but should do so "after a lion," at the end of Av. The entire month of Elul should then be spent in repentance, so that one will approach Rosh HaShanah in purity.

• BETHULAH

1330 bethuwlah, beth-oo-law'; fem. pass. part. of an unused root mean. to separate; a **virgin** (from her privacy); sometimes (by continuation) a bride; also (fig.) a city or state:maid, virgin.

Mazzaroth Guardians and their symbols:

Mazzaroth Tribe Symb		Symbol
Aries	Gad	Tent
Taurus	Issachar	Ass
Gemini	Simeon/Levi	Sword and Pitcher
Cancer	Benjamin	Wolf
Leo	Ephraim	Bull/ox or grapes
Virgo	Asher	Olive branch or cup
Libra	Manasseh	Palm tree or vine
Scorpio	Dan	Serpent or apple
Sagitarius	Judah	Lion
Capricorn	Naphtali	African deer
Aquarius	Reuben	Man or a Sunburst
		above water
Pisces	Zebulon	Ship

Candle Box pictures:

Tribe	Symbol	
Gad	Tents	
Issachar	Sun with eight stars	
Simeon	Castle	
Benjamin	Wolf	
Joseph	Sheaf of wheat	
Asher	Tree	
Levi	Breastplate	
Dan	Scales	
Judah	Lion	
Naphtali	African deer	
Reuben	Branch with flowers	
Zebulon	Sailing Ship with oars	

18. The Hebrew "Alephbeth"

NAME OF LETTERS	INTERPRETATION OF SYMBOL, WORD, OR LETTER - Rendered in English
ALEPH	An Ox or Bullock , a sacrifice or at-one-ment . Its numerical value is ONE.
ВЕТН	A House or Tent, a dwelling or tabernacle, in, among, within, etc.
GIMEL	A Camel, like a camel's hump, heap, collect, high.
DALETH	A Door or Gate, lid, valve.
HE	Lo, see, behold, (therefore) a lattice or window for that purpose
VAV	A Peg, Nail or Hook, therefore, wherefore, then, that, in order that, so that, etc.
ZAYIN	A Weapon, a shining sword, brightness, light.
СНЕТН	An Enclosure, fenced in, ark, refuge.
TETH	A Serpent , like a serpent, rolled, twisted, entwined.
YOD	The Hand , the right hand, to strike or pierce, a stroke, a blow.
KAPH	The Hollow or Palm of the Hand, curved, concave, a valley or basin.
LAMEDH	A Goad, towards, into, unto, until, upon, even to, besides, etc.
MEM	Water, waves, a flood.
NUN	A Fish , to sprout, to put forth, Noah , (as one from whom all are propagated).
SAMEKH	A Fulcrum , prop, lever, to help, to sustain, to uphold, the hinge of a mason's apron, a ladder or line connecting the lower with the higher, the Holy Ghost .
AYIN	The Eye , to flow , to flow out, a fountain.
PE	The Mouth, to breathe , to blow, a side or quarter of the heavens, region, part, quarter.
TSADHE	A Scythe or Reaping-hook , just, pertains to the harvest or retribution. Tsadok is Jupiter or justice (in Sanscrit, karma).
QOPH	Occiput, back of the head, to move in a circle.
RESH	Head, first, foremost, beginning, front. Rosh means a foremost or most northern nation.
SHIN	Tooth, a sharp rock, cliff, crag. The Almighty (Shaddi) if seen from the front, but Satan if seen from behind.
TAU	A Sign or Mark, cross, a symbol, a token.

Part II

His Heavenly Banner: Abrahamic Covenant in the Mazzaroth

Introduction

"The Heavenly Zodiac [Mazzaroth] consists of 48 constellations grouped into 12 signs [12 Cardinal Constellations and 36 Decan Constellations], the meanings of which were communicated first to Adam and passed on to the ancients in early civilizations. Early languages reveal much consistency but, as time passed, the ancient meanings became masked by new myths and the original meanings were forgotten. However, enough evidences have been retained in the ancient star names and through the details of the myths themselves, to infer the true meanings of the constellations. (Psalm 147:4)."[22]

"The names of some of the constellations you see in the sky may be among the oldest surviving traces of human culture.... The stars of the **southern sky**, not visible to the ancient astronomers of **northern** latitudes, were not grouped into constellations [however, the 12 Cardinal Constellations are seen by both the north and south hemispheres]. To correct these gaps... astronomers have added **40** modern [Decan] constellations and **in 1928 the International Astronomical Union (IAU) established 88 [48 original + 40 modern] official constellations which clearly defined boundaries that together include every part of the sky. Consequently, a constellation represents not a group of stars, but an area of the sky, and any star within the region belongs to one, and only one, constellation.**

In addition to the 88 constellations, the sky contains a number of less formally define grouping called **asterisms**. The Big Dipper for example, is a well-known asterism that is part of the constellation Ursa Major, (the Great Bear). Another asterism is the Great Square of Pegasus... which includes three stars from Pegasus plus Alpheratz from Andromeda."[23]

My Comment

In parenthesis, let us remember the series of events that transpired around ${\bf 1928}$ as

- 1) the world had just come out some 10 years earlier, of WWI and now was facing
- 2) the Great Depression,
- 3) the discussion of the Calendar Reform by the League of Nations and,
- 4) the agitation by Pastor Wierts at the SDA General Conference level to re-examine the date of October 22, 1844 and the Great Day of Atonement, the Sanctuary and the Judgment Hour.

Parallel events are now transpiring as we hear of,

- 1) Wars and rumors of wars,
- 2) Economic Depression,

- 3) the United Nations Calendar Reform and,
- 4) the Luni-Solar Barley Harvest calendar being agitated with the Creation Sabbath and the Judgment of the Living.

1. The Covenant

Part II of this study on the Mazzaroth will examine "each of the heavenly constellations in the context of the Abrahamic Covenant, from the cutting of the Covenant with Abraham, through the future fulfillment of the Covenant. It tracks the transmission of the seed of Abraham through pivotal historical events where the Covenant itself appeared in danger of being destroyed, and the people it concerned were almost annihilated.

The first task in unraveling the story is to determine where the Zodiac [Mazzaroth] begins and the key beginning of the circle of signs in the heavens is found in three witnesses:

- 1. The Messiah was to be born of a woman. Only **Virgo** describes this.
- 2. The Messiah is to complete His mission as the Lion of Judah. Only **Leo** depicts this.
- 3. A sphinx (with the **head of a woman and body of a lion**) is found between the signs of Virgo and Leo in the Zodiac.

Therefore the beginning of the story of the Zodiac [Mazzaroth] is in the constellation of Virgo and ends in the constellation of Leo, after completing a clockwise journey around the heavens.

The next task is to place Virgo into the sequence of time. The first period of man's existence came to an end with the Flood. At that time the earth and its inhabitants were judged and punished accordingly. Therefore the events pertaining to Virgo begin after the time of Noah.

In opposition to Virgo, the constellation of Draco influences all twelve constellation groups through his subtlety. Notably his tail lies in the last constellation Leo, between Ursa Major and Minor, signifying that his power over the seed of Abraham will come to an end when the Lion of Judah returns to the earth and imprisons him.

Draco's testimony is that because man's troubles begin and end with him, yet he is the 13th discrete constellation, hidden for all time among the 12. It is fitting to label him the 13th for this is the number of apostasy. He rebelled against YHVH and His Word. He is determined to challenge the rule of YHVH. He has his own religion which is built on the precepts of the tree of knowledge of good and evil and in opposition to the precepts of YHVH found in Scripture.

Traditionally the Zodiac [Mazzaroth] has been divided up into twelve signs, each containing four constellations. But sometimes the constellations do not seem to logically belong within the sign to which they have been assigned. For instance, Crux has long been associated with Libra although it is sighted unmistakably within the Centaur, which belongs to the sign of Virgo. Such unlikely linkages were made, indeed forced to fit with prevailing... dispensational theology. The constellations of the Heavens were not placed randomly, not

with trickery, for man to guess at their meaning and prophetic implication. They were intended to be easily understood by those who have a desire for truth and whose hearts and minds are open to YHVH's precepts....

This paper begins from the Hebraic premise that the story of the Zodiac tracks the progress of the Abrahamic covenant through the millennia until it is vested in its rightful heirs. It begins with Virgo, and her associated constellations, and proceeds around the circuit in segment fashion, much like slices of a circular pie. Furthermore, it removes Draco, the central figure in the Heavens, from its traditional association with Sagittarius and treats Draco as a separate sign. The reason for this is that Draco physically occupies a portion of all twelve celestial signs and cannot be logically assigned to any of them in preference to another.

Note: The story of the constellations is in **no way related to astrological predictions** based upon personal interpretations of future events according to alignments of the planets. **Pagans took the original meaning** of the constellations and overlaid their own myths to create a belief system, which they could control. The true story of the heavens is a foretelling from the very beginning of time, of the people and events, which would enable the restoration of the Garden of Eden and man's relationship with YHVH."[22]

> My Comment

When I was first introduced to the Mazzaroth some 12 years ago I rejected it based on my fear and ignorance that it was star-gazing. Some 5 years later, I studied a series of DVD similar to this on the birth of Christ and the plan of salvation through the Mazzaroth. Although the conclusion of the present author may not completely agree with the author of 5 years ago, the additional information I gathered here are worth perusing and analyze. See the entire text at: www.inthatday.net/892376/abrahamiccovenantzodia.pdf

2. The Signs, Meaning, Description of the Mazzaroth

Signs		Meaning	Description
1.Virgo	Virgo	Virgin	Sarai, bearer of the promised seed
	Coma	Desired child	Sarah the mother of Isaac
	Centaurus	The despised	Abraham obedient to YHVH hated by Satan
	Crux/Tav	The mark	Abrahamic Covenant
2.Libra	Libra	Sacred Altar	Price of redemption on Mount Moriah
	Victima	Lamb slain	Isaac at Mount Moriah
	Bootes	He comes	Jacob (12 sons) gains the Covenant
	Corona	Royal Crown	Royal Crown of the Covenant
3.Scorpio	Scorpio	Conflict	Esau covets the Covenant
	Hercules	Mighty one	Joseph preserves Israel
	Ophiuchus	Serpent holder	Moses the shepherd of Israel
	Serpent	Accursed	Esau/Amalek cursed
	Ara	End of Curse	Esau to be destroyed in Lake of Fire
4.Sagitariu	s Sagitarius	Gracious archer	King David the Righteous
	Lyra/Lyre	Praise	Praises ascending
	Aquila/Eagle	Wounding	Assyrian scattered Ephraim
5.Capricor	n Capricorn	Kid cut off	Split Kingdom – Judah and Ephraim
	Sagitta/Arro	w Destroying	David' royal Seed will conquer and destroy
	Delphinius	Pouring out	Babylon taking Judah
	Cygnus/Swai	n From afar	Medo/Persia returning Judah
6.Aquarius	_	Bucket	Sign of Jonah/preaching to gentiles
	Picis Australi		Ephraim scattered in nations
	Pegasus	The Chief	Greece infiltrating Judah
7.Pisces	Pisces	Multitudes	Judah and Ephraim in Roman Empire
	Andromeda	Chained	Judah in Roman chains
8.Aries	Aries	Pierced Lamb	Yahoshua the sacrificial Lamb
	The Band	He comes	Yahoshua the bearer of the Covenant
	Cepheus	Coming King	Yahoshua the Bridegroom
	Cassiopia	Freed Queen	Ephraim/Bride of Messiah
	Cetus	Subdued	Rome/Babylon
9.Taurus	Taurus	Pre-eminent	Yahoshua Resurrected and Ascending
	Perseus	Subduer	Yahoshua the Rescuer and Conqueror
	Auriga	Shepherd	Yahoshua the Shepherd
	Orion	Mighty Prince	Yahoshua, Judge triumphant Light of Heaven
	Lepus	Failing/despised	Enemy
	Eridanus	Judgment	Abyss/Bottomless Pit
10.Gemini	Gemini	United/twinned	Judah and Ephraim
	Canis Minor	Conqueror	Yahoshua the Redeemer, Intercessor
	Canis Major	Prince	Yahoshua the Captain of the Host
11.Cancer	Cancer	Cattlefold	Household of Jacob in the wilderness

	Ursa Minor	Jacob redeemed	Remnant/Firstfruits of Zion/144000
	Ursa Major	Assembled	Multitude of Faithful/Great Assembly
12.Leo	Leo	Hunting Lion	Yahoshua/Lion of Judah
	Hydra	Abhorred	Babylon/Esau destroyed - Satan in prison
	Crater	Cup	Cup of Wrath
	Raven	Cleanser	Cleanser of land of Israel
13. Draco	Draco	Punished enemy	Hasatan destroyed at the end of 7th 'Day'

3. Mazzaroth's Timeline

Signs	People	Events/Years	
1.Virgo	Abraham/Sarah/Isaac	Abrahamic Covenant cut 1876 BCE	
		Isaac born 1861 BCE	
2.Libra	Sacred Altar	Isaac offered at Mount Moriah 1824 BCE	
		Jacob inherited Covenant 1681 BCE	
3.Scorpio	Joseph/Moses	Joseph saved Jacob's family to Egypt 1671 BCE	
	Esau	Moses shepherded Israel/Exodus 1446 – 1406	
		Conflict/Curse on Esau forever	
4.Sagittarius	King David	David's righteous rule 1010-970 BCE	
	Assyria	Assyria took Ephraim 720 BCE	
5.Capricorn	Split Kingdom	Judah exiled 586 BCE	
		Judah returned 536 – 445 BCE	
6. Aquarius	Jonah/Israelite Gentiles	Gospel of repentance to Israelites among Gentiles	
	Greco-Roman Empire		
7. Pisces	Multitudes of Israel	Judah enslaved in Roman Empire from 63 BCE	
		Ephraim hidden in Roman Empire	
8. Aries	Yahoshua: Covenant bearer	Crucifixion as Passover Lamb [31] CE	
	Sacrificial Lamb		
	Bridegroom/Bride		
	Rome/Babylon		
9. Taurus	Yahoshua:	Resurrection, Ascension [31] CE	
	Rescuer/Shepherd	Babylonian Roman Empire rules until end times	
	Conqueror		
	Rome/Babylon		
40.0	Guardian of Abyss/Judge		
10. Gemini	Judah & Ephraim	Ephraim [North Kingdom] restored under Redeemer Yahoshua	
44.0	T 1 No 1.1.	Intercessor; Captain of the Host. 30 –? CE	
11. Cancer	Israel; Multitude	United Cattlefold of Israel/Bozrah in wilderness	
40.1	Redeemed remnant	Great Assembly in Greater Israel – [?] CE	
12. Leo	Yahoshua/Lion of Judah	Babylon/Esau destroyed; Hasatan imprisoned	
	Babylon Kingdom	Israel cleansed/7 th Millennium begins [?]	
40.0	Gog/Magog Hasatan	II . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 .	
13. Draco	Hasatan [Satan]	Hasatan destroyed at end of 7th 'Day'	

4. Order and Timing of Historical Events

The Torah chronicle of Israel's journey into Egypt and their Exodus out of Egypt are a **template for the end-times**. (1 Corinthians 10:6, 11)

Year	Sabbatical Set	Event	Days
	Year		
1876 BCE	Year 7 Sabbath	Covenant promise Abram 70	+30 years to Isaac
1846	Year 2	Isaac born	+ 60 years to Jacob
1786	Year 6	Jacob born	+ 90 years to Joseph
1695	Year 6	Joseph was born	+ 38 years to famine
1658	Year 1/ Famine yr. 1	Global famine began	+ 7 years of famine
1657	Year 2/ Famine yr. 2	Judah 1st trip to Egypt for food	
1656 BCE	1st month Year 3*	Jacob (130) to live in Goshen	+210 years in Goshen
1655	Year 4/ famine yr. 4	Egyptian money/stock to Pharaoh	
1654	Year 5/ famine yr. 5	Egyptian land/people to Pharaoh	
1653	Year 6/ famine yr. 6	Pharaoh enslaved Egypt	
1652 BCE	Year 7/ famine yr. 7	Israelites not enslaved	
1446BCE	1st month Yr. 3*	Exodus/ 10 Words at Mt. Horeb	+40 years in wilderness
1407	Year 7 Sabbath	40th year Israel reached Canaan	
1406	Year 1	1st year in the land of Canaan	
1356	Year 1/8	1 st Jubilee year	
4 BCE	Year 3	Birth of Yahoshua	
**31 CE	Year 1	Death of Yahoshua at Passover	

*The significance of Year 3 relates to the requirement for an unclean person to be cleansed with water on the 3^{rd} day and the 7^{th} day. (Numbers 19)

In **1656 BCE**, a 3rd year of the cycle, Israel's sons were cleansed from their participation in the death of Joseph by forgiveness from Joseph himself.

In 1652 BCE, a 7^{th} year, Israel was set apart through Joseph who is a 'type' of Messiah Yahoshua.

In **1446 BCE**, a 3rd year, Israel was cleansed in the Red Sea and set apart at Mount Horeb. In **1407 BCE**, a 7th year, Israel was set apart to YHVH for life in the land promised to Abram.

The author of the Heavenly Banner places the death of Yahoshua in 30 CE. According to Daniel 8:14 and Daniel 9:24-27, His death took place in **31 CE.

At the time of the end the nation of Zion will be cleansed in a 3^{rd} year and a 7^{th} year to fulfil the requirement of Torah for an unclean person. This will be better understood in Part III.

5. Scripture Witnesses to the Abrahamic Covenant

"The secret of the LORD is with them that fear him; and he will shew them his covenant." Psalm 25:14.

"O ye seed of Abraham his servant, ye children of Jacob his chosen.

He is the LORD our God: his judgments are in all the earth.

He hath remembered his covenant for ever, the word which he commanded to a thousand generations.

Which covenant he made with Abraham, and his oath unto Isaac;

And confirmed the same unto Jacob for a law, and to Israel for an everlasting covenant: Saying, Unto thee will I give the land of Canaan, the lot of your inheritance." Psalm 105:6-11.

"He hath given meat unto them that fear him: he will ever be mindful of his covenant.

He hath shewed his people the power of his works, that he may give them the heritage of the heathen.

The works of his hands are verity and judgment; all his commandments are sure.

They stand fast for ever and ever, and are done in truth and uprightness.

He sent redemption unto his people: he hath commanded his covenant for ever: holy and reverend is his name.

The fear of the LORD is the beginning of wisdom: a good understanding have all they that do his commandments: his praise endureth for ever."

Psalm 111:5-10.

"Rejoice greatly, O daughter of Zion; shout, O daughter of Jerusalem: behold, thy King cometh unto thee: he is just, and having salvation; lowly, and riding upon an ass, and upon a colt the foal of an ass.

And I will cut off the chariot from Ephraim, and the horse from Jerusalem, and the battle bow shall be cut off: and he shall speak peace unto the heathen: and his dominion shall be from sea even to sea, and from the river even to the ends of the earth.

As for thee also, by the blood of thy covenant I have sent forth thy prisoners out of the pit wherein is no water.

Turn you to the strong hold, ye prisoners of hope: even to day do I declare that I will render double unto thee." Zechariah 9: 9-12.

"Behold, I will send you Elijah the prophet before the coming of the great and dreadful day of the LORD:

And he shall turn the heart of the fathers to the children, and the heart of the children to their fathers, lest I come and smite the earth with a curse."

Malachi 4:5.

"And his father Zacharias was filled with the Holy Ghost, and prophesied, saying,

Blessed be the Lord God of Israel; for he hath visited and redeemed his people, And hath raised up an horn of salvation for us in the house of his servant David;

As he spake by the mouth of his holy prophets, which have been since the world began:

That we should be saved from our enemies, and from the hand of all that hate us;

To perform the mercy promised to our fathers, and to remember his holy covenant;

The oath which he sware to our father Abraham,

That he would grant unto us, that we being delivered out of the hand of our enemies might serve him without fear, In holiness and righteousness before him, all the days of our life." Luke 1:67-75.

"Christ hath redeemed us from the curse of the law, being made a curse for us: for it is written, Cursed is every one that hangeth on a tree:

That the blessing of Abraham might come on the Gentiles through Jesus Christ; that we might receive the promise of the Spirit through faith." Galatians 3:13-14.

"That at that time ye were without Christ, being aliens from the commonwealth of Israel, and strangers from the covenants of promise, having no hope, and without God in the world:

But now in Christ Jesus ye who sometimes were far off are made nigh by the blood of Christ." Ephesians 2:12.

"Now the God of peace, that brought again from the dead our Lord Jesus, that great shepherd of the sheep, through the blood of the everlasting covenant." Hebrews 13:20. [22]

Part III

Comet Elenin: Fiction or Reality

Introduction

First observed by amateur astronomer Leonid Elenin, Comet Elenin has attracted the attention of many observers who were quick to submit their speculative apocalyptic evaluation as to its nature and purpose. However, the Watchman Message of Rob Moore from www.inthatday.net titled: The Lawful process of the Coming Birth of Zion as presented in the Scriptures and Confirmed in the Heavenly Signs of Feasts of Trumpets 2011 through 2012, is a fascinating 4 part series on video of Comet Elenin and its connection with the Mazzaroth and the Appointed Times and needs to be taken into consideration. The software Moore uses in his video presentation is worth mentioning while his oral comments will be used throughout Part III of this study as they are of great significance and value. Moore oral comments, copied and used throughout Part III will be identified as reference [24].

Moore connects Elenin with the 7 years of famine and Joseph's epic role of salvation of the 12 tribes of Israel, to the redemption and restoration of the 2 Houses of Israel at the time of the end and the Judgment. However, this author proposes a direct connection between the **second casket** in the Dream of William Miller and its Interpretation and Comet Elenin, the Investigative Judgment of the Living and the Sealing of the 144000, the true Israel.

1. Elenín: Not Just another Comet

"Contrary to many comets visiting our galaxy, Elenin orbital path is worthy of analysis as it is directly connected with the Mazzaroth. Elenin entered the Milky Way (our galaxy) on December 10, 2010. Elenin arrived in the Cardinal Constellation of Bethulah (travailing woman) or **Virgo**, passing by **Taurus** and will conclude its journey on August 2012 in **Gemini** and leave our galaxy never to return.

Also known by astronomers as C/2010X1, Comet Elenin has been recognized as a **non-periodic comet**, which signifies it has never been here before and although it disintegrated into fragments September 10, 2011, it has continued its orbital path till it leaves our galaxy in August 2012. Though much hysteria of doom was created upon its discovery, Moore believes that Elenin, when first identified, was not a harbinger of doom but a divinely sent pointer inviting those who are watching for Messiah to look up to specific events taking place in the heavens on specific Biblical festivals, giving us a specific message and calendar of time to take note of." [24]

2. The Meaning of the Word: Elenin

"The Hebrew word **El-Enin** signifies **the Hammer or Gavel of Elohim**. A gavel is a symbol of authority and right to act officially in the capacity of a chair or presiding officer. A gavel is used to call attention or to punctuate ruling and proclamation. It is customarily struck to indicate the opening (call to order), keep the meeting itself calm and orderly and the closing and adjournment of proceedings.

El-Enin is the pronouncing of Good News. The Gavel of Elohim, through the Comet Elenin, is a divinely sent pointer with a specific message to watch and call us to attention at it is struck once (Elenin is not a periodic, recurring comet). It is used to punctuate Statutes and Judgments and a proclamation that something new is opening, a meeting, a call to order, to keep us calm and orderly. It is the closing of an age of proceeding where events start to happen in succession and a conclusion to events that happened before the gavel was struck." [24]

> My Comment

Moore's words, although unknown to him, are almost prophetic as they point to the second casket in Miller's Dream. At this point, it is safe to propose that the Good News, the Gavel of Elohim may points directly to the Judgment of the Living and the Sealing of the 144000.

Comet Elenin and the Mazzaroth Connection

3. Elenín and its Connection with the Mazzaroth

"Like a grandfather clock functions in perfect order, a wheel within a wheel and its movement consistently lines up and strikes 12, hence, Elenin arrived in the Milky Way through the constellation of Bethulah: the Woman in Travail, or Virgo and works together with the Mazzaroth to give us the signs of the time we are living in. As submitted earlier, the ecliptic line, which the sun travels in 1 year, is made up of the 12 Constellations in seasons or Mazzaroth; Elenin moves on a specific though contained constellations of the ancient Biblical Mazzaroth." [24]

At this point, Moore offers very significant Scriptures which connect with the Mazzaroth and specifically the **Woman in Travail** and the signs or wonder in the heavens. All Scriptures are KJV:

"And God said, Let there be lights in the firmament of the heaven to divide the day from the night; and let them be for **signs**, **and for seasons**, **and for days**, **and years**." Genesis 1:14.

"Look unto **Abraham** your father, and unto **Sarah that bare you**: for I called him alone, and blessed him, and increased him. For the LORD shall comfort Zion: he will comfort all her waste places; and he will make her wilderness like **Eden**, and her desert like the **garden of the LORD**; joy and gladness shall be found therein, thanksgiving, and the voice of melody." Isaiah 51:2, 3.

"But thou, Bethlehem Ephratah, though thou be little among the thousands of **Judah**, yet out of thee shall he come forth unto me that is to be ruler in Israel; whose goings forth have been from of old, from everlasting. Therefore will he give them up, until **the time that she which travaileth hath brought forth**: then the **remnant of his brethren shall return unto the children of Israel**...And the remnant of Jacob shall be among the Gentiles in the midst of many people as a **lion** among the beasts of the forest, as a young lion among the flocks of sheep: who, if he go through, both treadeth down, and teareth in pieces, and none can deliver." Micah 5:2, 3, 8.

"And there appeared a **great wonder in heaven**; a **woman** clothed with the **sun**, and the **moon under her feet**, and **upon her head a crown of twelve stars**: And she being with child cried, **travailing in birth**, and pained to be delivered." Revelation 12:1, 2.

Revelation 12:1, 2 speaks of a woman in travail therefore she is not a virgin as some have proposed. She does not represent Mary the mother of Messiah but instead, she points to Sarah, the mother of a great multitude.

To help us understand the significance of the alignment of the planets and constellations, as submitted by Moore, the most significant are presented here:

Virgo – Bethulah – the barren woman points to Sarah

Sun: Jacob – Genesis 37:9 **Moon:** Rachel – Genesis 37:9

Venus: Morning Star - Messiah - Genesis 21:12; Genesis 45; Galatians 428; Revelation

22:16

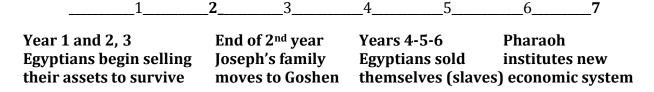
Mercury: Archangel Michael – Daniel 12:1; Jude 1:9; Revelation 12:7

Mars: Adom – red – Esau/Edom – Genesis 25:25, 30 **Saturn:** Shabtai – 7th planet – at peace in Sabbath **Jupiter:** Tzedek – King of Righteousness - Messiah

Moore at this point offers this explanation, based on the orbital path of Elenin and astronomical data of alignment of the planets in 2011, 2012 and Revelation 12 and the gathering of His people:

- On September 19, 2011: Elenin and Venus got very close to each other. Mercury moved towards Venus.
- On September 30-October 1, 2011, which was Tishri 1, feast of Trumpets, the moon was at the feet of Virgo, the sun was on her left shoulder and **Elenin was in the crown of her head.**
- On October 10, 2011, Tishri 10, Day of Atonement, the alignment of the planets Mercury, Saturn and the sun along with Venus and Virgo, signifies that the child of the woman in travail was born.

For Moore, the woman in travail points to the 7 years of Joseph and his work of salvation towards Israel his father and the 12 tribes. On a scale of 7 years, Moore explains the development of events related to the timespan in Egypt and the Goshen narrative based on Genesis 45. According to the story of Joseph in Egypt and his explanation to Pharaoh's dream of the fat and lean cows, once the 7 years of prosperity are passed during which time Joseph engaged in preserving seeds and food in Pharaoh's garners, the 7 years of famine now start:



The **2**nd **year** of the world famine is described in Genesis 45:6-11.

"For these **two years** hath the **famine** been in the land: and yet there are **five years**, in the which there shall neither be earing nor harvest. And God sent me before you to preserve you a posterity in the earth, and to save your lives by a great deliverance.

So now it was not you that sent me hither, but God: and he hath made me a father to Pharaoh, and lord of all his house, and a ruler throughout all the land of Egypt. Haste ye, and go up to my father, and say unto him, Thus saith thy son Joseph, God hath made me lord of all Egypt:

come down unto me, tarry not: And thou shalt dwell in the land of Goshen, and thou shalt be near unto me, thou, and thy children, and thy children's children, and thy flocks, and thy herds, and all that thou hast: And there will I nourish thee; for yet there are **five years of famine**; lest thou, and thy household, and all that thou hast, come to poverty."

- Joseph operationalizes his plan controlling access to his store of food supplies
- Judah and Israel are being driven to meet Joseph
- The dialogue begins with Joseph
- Joseph tests his brothers and Jacob's love
- Jacob enters into **Goshen** for safekeeping.

In the Gematria the values of the Hebrew Letters are:

Aleph – 1	ซ Shin - 300
t Zayin – 7	7 Daleth - 4
מם Mem - 40	' Yud - 10
۶ Kuf - 100	ע Ayin - 70
⊒ Beth -	2 ת Tav - 400
⊓ Chet - 8	ה Heh - 5
נן Nun – 50	כך Caph - 20
ר Reish - 200 פ	ካ Peh - 80
າ Gimmel - 3	1 Vav - 6
บ Tet - 9	Lamed - 30 ל
o Samech − 60	צץ Tzadik - 90

Therefore the words:

Goshen (Goshnah) has a gematria of 358
 Messiah (Mashiach) 358
 Until Shiloh comes 358

Goshen means to approach, nourish. See Genesis 45 and 47; Romans 11; Ezekiel 37.

Thus Goshen is prophetically concerned with the Second coming of Messiah in the last days, our approaching to Him and His preservation of the House of Israel during the time of trouble. While Jacob was brought to a House of Protection, the Egyptians lost all their independence under a New World Order."

> My Comment

As Noah and his family were preserved in the Ark during the flood which lasted 1 year, Jacob and his family were preserved in Goshen during the famine which lasted 7 years. So shall it be at the time of the end, when the little time of trouble starts and is followed by the time of Jacob's trouble. The timeline for this last period of earth history is found in Daniel 12 and Revelation 13 under the abomination of desolation of 1260, 1290 and 1335 days. These numbers are not cumulative. Rather, they represent the setting up of the Universal Sunday Law, the Decree of Death, the Close of Probation and the Second Coming. The

decree of a Sunday Law in the United States will mark the beginning of the 1335 days. At this time, we need to be found in the only compartment of the sanctuary where there is an ark: in the Most Holy Place and the removal of the character of Satan from our character. This can only by accomplished through our Savior and High Priest.

4. Joseph and His Family: An End Time Scenario

"Haste ye, and go up to my father, and say unto him, Thus saith thy son Joseph, God hath made me lord of all Egypt: come down unto me, tarry not: And thou shalt dwell in the land of Goshen, and thou shalt be near unto me, thou, and thy children, and thy children's children, and thy flocks, and thy herds, and all that thou hast: And there will I nourish thee; for yet there are five years of famine; lest thou, and thy household, and all that thou hast, come to poverty." Genesis 45:6-11.

Pointing to the time of the end, Elijah and John the Baptist were like Joseph types of those who call people to repent for the kingdom of heaven is at hand.

In Isaiah 26:17-20, we read:

"Like as **a woman with child, that draweth near the time of her delivery**, is in pain, and crieth out in her pangs; so have we been in thy sight, O LORD. We have been with child, we have been in pain, we have as it were brought forth wind; we have not wrought any deliverance in the earth; neither have the inhabitants of the world fallen.

Thy dead men shall live, together with my dead body shall they arise. Awake and sing, ye that dwell in dust: for thy dew is as the dew of herbs, and the earth shall cast out the dead. Come, my people, enter thou into thy chambers, and shut thy doors about thee: hide thyself as it were for a little moment, until the indignation be over past. For, behold, the LORD cometh out of his place to punish the inhabitants of the earth for their iniquity: the earth also shall disclose her blood, and shall no more cover her slain. In that day the LORD with his sore and great and strong sword shall punish leviathan the piercing serpent, even leviathan that crooked serpent; and he shall slay the dragon that is in the sea."

Again from Micah 5:2, 3 we read:

"Therefore will he give them up, until the time that she which travaileth hath brought forth: then the remnant of his brethren shall return unto the children of Israel. And he shall stand and feed in the strength of the LORD, in the majesty of the name of the LORD his God; and they shall abide: for now shall he be great unto the ends of the earth."

In 1 Thessalonians 5:1-4, the same theme of the woman in travail is repeated:

"But of the times and the seasons, brethren, ye have no need that I write unto you. For yourselves know perfectly that the day of the Lord so cometh as a thief in the night. For when they shall say, Peace and safety; then sudden destruction cometh upon them, **as travail upon a woman with child**; and they shall not escape. But ye, brethren, are not in darkness, that that day should overtake you as a thief."

Revelation 12:1, 2 describes the woman with child as seen in the heavens:

"And there appeared a great wonder in heaven; a woman clothed with the sun, and the moon under her feet, and upon her head a crown of twelve stars: And she being with child cried, travailing in birth, and pained to be delivered."

In Songs of Songs 6:9, 10, the bride is described as

"My dove, my undefiled is but one; she is the only one of her mother, she is the choice one of her that bare her. The daughters saw her, and blessed her; yea, the queens and the concubines, and they praised her. Who is she that looketh forth as the morning, fair as **the moon**, clear as **the sun**, and terrible as an army with **banners**?"

"And when you look up to the sky and see the **sun**, the **moon** and the **stars**--all the **heavenly array..**." Deuteronomy 4:19.

The "heavenly array" could also be translated the "heavenly army". This is a military term!

5. The Birth of Zion

According to Rob Moore, "all these Scriptures point to the Birth of Zion, the restored nation of Israel."

> My Comment

Following the counsels of the Bible and the Spirit of Prophecy, these last day events point to the Judgment of the Living and to the Barley Harvest people (the 144000) sealed within the time of probation which ends a 'short while before the coming of Christ':

"And they sung as it were a new song before the throne, and before the four beasts, and the elders: and no man could learn that song but **the hundred and forty and four thousand**, which were redeemed from the earth. These are they which were not defiled with women; for they are virgins. These are they which follow the Lamb whithersoever he goeth.

These were redeemed from among men, being the firstfruits unto God and to the Lamb. And in their mouth was found no guile: for they are without fault before the throne of God.... here are they that keep the commandments of God, and the faith of Jesus." Revelation 14:3-5, 12.

As confirmed in Galatians 4:27, 28:

"For it is written, Rejoice, thou barren that bearest not; break forth and cry, thou that travailest not: for the desolate hath many more children than she which hath an husband. Now we, brethren, as Isaac was, are the children of promise."

John 16:19-24 refers to the same details:

"Now Jesus knew that they were desirous to ask him, and said unto them, Do ye enquire among yourselves of that I said, A little while, and ye shall not see me: and again, a little while, and ye shall see me? Verily, verily, I say unto you, That ye shall weep and lament, but the world shall rejoice: and ye shall be sorrowful, but your sorrow shall be turned into joy.

A woman when she is in travail hath sorrow, because her hour is come: but as soon as she is delivered of the child, she remembereth no more the anguish, for joy that a man is born into the world. And ye now therefore have sorrow: but I will see you again, and your heart shall rejoice, and your joy no man taketh from you.

And in that day ye shall ask me nothing. Verily, Verily, I say unto you, Whatsoever ye shall ask the Father in my name, he will give it you. Hitherto have ye asked nothing in my name: ask, and ye shall receive, that your joy may be full."

Comet Elenin: Draco and Yom Kippur 2011

6. Another Wonder in the Heavens: Draco the Dragon

While these events are transpiring on the earth, the heavens show another 'sign' or 'wonder' as mentioned in Revelation 12:3-5.

"And there appeared another wonder in heaven; and behold a great red dragon, having seven heads and ten horns, and seven crowns upon his heads. And his tail drew the third part of the stars of heaven, and did cast them to the earth: and the dragon stood before the woman which was ready to be delivered, for to devour her child as soon as it was born. And she brought forth a man child, who was to rule all nations with a rod of iron: and her child was caught up unto God, and to his throne."

Rob Moore at this time introduces the Dragon in the heavens. After the woman in travail at the Feast of Trumpets, September 30th 2011, [new moon horned crescent], the prophecy of **Esau** can also be examined at the same time in the heavens: Mars was in the Constellation of Cancer at that time and while it shows a crab for the Constellation of Cancer, there is the Beehive Cluster nearby which also can be seen in the heavens, the sheephold of the Creator, pointing to the milk and honey of the Promised Land. **On September 30th, 2011**. Mars was right on the Beehive.

- Esau stands for Edom Red
- Rome's color is red. On December 12, 2011, the Vatican asked the United Nations to declare Jerusalem, World Heritage Site by 2012. http://www.israelnationalnews.com/news.aspx

According to Ron Moore and some **astronomical data for October 9th, 2011 at 6.30 p.m.** [Day of Atonement 9th-10th of October, 2011] an **unusual great number of showers of meteors felt on the earth**, called the Draconal Meteor Showers, 2011 Draconids [Great Serpent Leviathan].

At that time, an organization by the name of Seti Institute hired 2 aircrafts equipped with multi instruments and went to observe these meteor showers. http://draconids.seti.org/

On October 9, 2011 at 6.30 p.m. the constellation **Draco (dragon) had its head pointing towards heaven and its tail towards the earth**. The showers of falling stars were thrown from the tail of Draco. Notice that on **April 4, 2012**, the **head** of Draco, [dragon] will be **down** and its tail up as if the Dragon will be falling on the earth after he casting the stars with his tail the precedent Fall season. The Dragon points to the World Government to whom **the dragon gave his power** in Revelation 12:3, 4 and Revelation 13:4.

7. Astronomical Data Connected to Elenín in 2012

Virgo: Bethulah – Barren woman bears a son - Sarah

Sun: Jacob – Genesis 37:9 **Moon:** Rachel – Genesis 37:9

• **Venus:** Morning Star – Messiah - Genesis 21:12; Genesis 45; Galatians 4:28; Revelation 22:16

Mercury: Archangel Michael – Daniel 12:1; Jude 1:9; Revelation 12:7

Mars: Adom – red – Esau/Edom – Genesis 25:25, 30 **Saturn:** Shabtai – 7th planet – at peace in Sabbath **Jupiter:** Tzedek – King of Righteousness – Messiah

• **Taurus:** Aleph – Horns of Judgment

• Aldebaran: Aleph – right eye of the bull – blessing

• **Epsilon Tauri** – left eye of the bull – curse

• **Pleiades** - Congregations

> My Comment

We know that the day and hour of Christ Second Coming are not made known; this study of events relating to Elenin is not submitted to claim the date of Christ Second Coming. Rob Moore actually does not mention the Second Coming in his presentation as he seems to believe in a period of preaching the Gospel after the 7 years (in type) of Joseph's famine are over.

However, the astronomical data in 2012 involving Taurus, Venus, Orion, Gemini, the Sun and Elenin and connected to Passover, Unleavened Bread, Pentecost and the alignment of Venus with Taurus which occurs every 243 years and Venus with Orion, which has never occurred before, along with the non-periodic Comet Elenin leaving our galaxy in August 2012, all these should call our attention to take heed as to their meaning.

List of Astronomical Data and Moore proposed meaning:

Spring of 2012:

April 1st, 2012, 6.30 p.m. Jerusalem Sky

- Elenin alignment with **Taurus Aleph the Bull** Horns of Judgment
- Venus (Morning Star) moves from Virgo and enters the Constellation Taurus
- **Venus approaches Pleiades** the Morning Star inspects the 7 Congregations April 3, 2012 **just before Passover and Unleavened Bread** to be without leaven and obey His commandments and His statutes of His feasts the message from Christ in:
- **1.** Revelation 1:8 "I am the Alpha (Aleph) and the Omega(Tav)
- **2.** Deuteronomy 33:17 "His glory is like the firstling of his bullock and like the **horns** of the unicorn (wild bull): with them he will push ten thousand of Ephraim and they are the thousands of Manasseh..."

- 3. Revelation 22:13, 16 "I am Aleph and Tav... and morning star."
- **4.** Revelation 1:18-20 "The mystery of the seven stars... angels of the seven congregations: and the seven candlesticks are the seven congregations."
- **5.** Isaiah 4:1, 2. "...Seven women shall take hold of a man....call by your name" The Bride of Messiah not come yet to the wedding.
- **6.** "In that day..." the day of their wedding Bridegroom and Bride Bridegroom in His chamber soon to come out to His people.
 - **2 Eyes of the Bull: Right Aleph –** Aldebaran **and Left**: Epsilon Tauri Ain I am not looking upon evil and subsequent judgment
- 7. Proverbs 15:3 "The eyes of the LORD... beholding the evil and the good."
- **8.** Psalm 33:18 "Eye of the LORD is upon them that fear Him..."
- **9.** The ox has 2 eyes: to bring judgment, scattering, exile: Ezekiel 7:4, 9; 9:10. **Bridegroom comes out of His chamber:**
- **10.** Psalm 19:4, 5 "The sun which is as a bridegroom coming out of his chamber..."

Very Important Events in 2012:

- 1. The Morning Star (**Venus**) this year, 2012 will transit with the sun and sit with the sun in Taurus; an event happening only every **243 years**,
- 2. and passes into the **constellation of Orion**, which is **unique to** the history of Venus.

Events at Passover: [April 8, 2012 – day after Full Moon- Moore Passover is April 6] The meeting with Joseph and his brothers happened at the end of 2nd year – Tabernacles. In the Passover of the 3rd year famine: Joseph and his brothers coming to Goshen with Israel.

- In Exodus 12 we are told that those who do not keep Passover will be cut off.
- Purging of all leaven and keep Unleavened Bread [April 9 to 15th]
- **Venus between the horns of Taurus [May 24**^{th]} Judgment is coming and Elenin (from the right horn) looking at Venus (on the left horn) or the Morning Star.
- Pentecost [May 24th counting 7 weeks complete] Deuteronomy 33:17 all leaven (sin) was removed to keep Pentecost (Shavuot) At Shavuot we pass under the rod Cleansing of the Bride Purging the rebels 7 Congregations need repentance or will encounter judgment.
- From Pentecost, Mercury and Jupiter line up with the sun. From Pentecost, Venus (Morning Star) descends between the horn of Taurus and meets with the sun, a rare occurrence the transit of Venus where she comes between the earth and the sun (about 6 hours transit) it happens in pair every 243 years, 8 years apart (2004 and 2012) Psalm 19:4 Bridegroom coming out of His chamber and His bride June 6th 2012, at 6 pm transit will happen then Venus goes to the left

eye of the ox – Epsilon Tauri – Ain = I am not = rebels are purged out (Matthew 7:21-23; Hosea 1:9, 10) – Morning turned into joy – Sons of the Living Elohim – Source for transit of Venus and the sun: $\frac{\text{http://2012codex.com/index.html}}{\text{for further references.}}$

- **19**th **June 2012 6.30 pm** Jerusalem time Morning Star in the left eye of the sign of Aleph, called Ain. In the neck of Taurus, we have the 7 Stars of the Congregation.
- Morning Star (Venus) progress from Taurus, August 4th 2012, at 6.30 pm hidden below the horizon from Jerusalem. The Morning Star moves into the top middle of the Club of Orion. A very rare happening! (Some say 12500 years ago). http://2012codex.com/venus 2012.html Venus's path forms a planetary loop, lasting for just 6 months in any one year which takes it across the top of the constellation of Orion..
- Orion stands with his right foot on Eridanus, the Abyss where are the fallen angels which are to be let loose on the earth.
- Elenin is now in Gemini where it lingers and then leaves our galaxy into deep space never to return **August 7, 2012, 6.30 pm** not seen from Jerusalem (being below the horizon) the **Morning Star is in Gemini** the "Two Houses of Israel" highlighted by Comet Elenin which is leaving our solar system.
- The year of exile given to the house of Judah were over in 2005-2006 and the House of Israel in 2009-2010 according to Rob Moore. Isaiah 11:13; Zechariah 9:13.[24]

For further study: <u>www.inthatday.net</u> watch the 4 part series of Rob Moore and see for yourself.

> My Comment

It would be presumptuous to suppose that the events of 2011 and 2012 involving Comet Elenin are an absolute confirmation of the Judgment of the Living and the beginning of the commencement of the little time of trouble. This is not the purpose of this presentation. However, as it was in the time of Noah, Moses, Daniel, the apostles, William Miller and all those who have studied prophecies, it is a fact that prophecies are usually understood at the time of their fulfillment. The events unfolding around us, from wars and rumors of wars, to economic bankruptcy of nations to revolution in the Middle East, compounded with earthquakes, famines, pestilences, death of birds, fishes and much more, should wake us up and make us realize the time we are living in. May the Heavenly Father guide us through His Holy Spirit as we follow the Lamb wheresoever He goeth as He may be coming out very soon from His chamber: the Most Holy Place.

Conclusion

The words of E.G. White in The Great Controversy regarding the destruction of Jerusalem may very well be applicable at this time:

"Signs and wonders appeared, foreboding disaster and doom. In the midst of the night an unnatural light shone over the temple and the altar. Upon the clouds at sunset were pictured chariots and men of war gathering for battle. The priests ministering by night in the sanctuary were terrified by mysterious sounds; the earth trembled, and a multitude of voices were heard crying: "Let us depart hence." The great eastern gate, which was so heavy that it could hardly be shut by a score of men, and which was secured by immense bars of iron fastened deep in the pavement of solid stone, opened at midnight, without visible agency.— Milman, The History of the Jews, book 13.

For **seven years** a man continued to go up and down the streets of Jerusalem, declaring the woes that were to come upon the city. By day and by night he chanted the wild dirge: "A voice from the east! a voice from the west! a voice from the four winds! a voice against Jerusalem and against the temple! a voice against the bridegrooms and the brides! a voice against the whole people!"—Ibid. This strange being was imprisoned and scourged, but no complaint escaped his lips. To insult and abuse he answered only: "Woe, woe to Jerusalem!" "woe, woe to the inhabitants thereof!" His warning cry ceased not until he was slain in the siege he had foretold....

The promised sign had been given to the waiting Christians, and now an opportunity was offered for all who would, to obey the Saviour's warning. Events were so overruled that neither Jews nor Romans should hinder the flight of the Christians. Upon the retreat of Cestius, the Jews, sallying from Jerusalem, pursued after his retiring army; and while both forces were thus fully engaged, the Christians had an opportunity to leave the city. At this time the country also had been cleared of enemies who might have endeavored to intercept them. At the time of the siege, the Jews were assembled at Jerusalem to keep **the Feast of Tabernacles**, and thus the Christians throughout the land were able to make their escape unmolested. Without delay they fled to a place of safety—the city of Pella, in the land of Perea, beyond Jordan. [67 AD]

Terrible were the calamities that fell upon Jerusalem when the siege was resumed by Titus. The city was invested **at the time of the Passover** [70 AD], when millions of Jews were assembled within its walls. Their stores of provision, which if carefully preserved would have supplied the inhabitants for years, had previously been destroyed through the jealousy and revenge of the contending factions, and now all the horrors of starvation were experienced....

The Saviour's prophecy concerning the visitation of judgments upon Jerusalem is to have another fulfillment, of which that terrible desolation was but a faint shadow. In the fate of the chosen city we may behold the doom of a world that has rejected God's mercy and trampled upon His law. Dark are the records of human misery that earth has witnessed during its long centuries of crime. The heart sickens, and the mind grows faint in

contemplation. Terrible have been the results of rejecting the authority of Heaven. But a scene yet darker is presented in the revelations of the future. The records of the past,—the long procession of tumults, conflicts, and revolutions, the "battle of the warrior ... with confused noise, and garments rolled in blood" (Isaiah 9:5),—what are these, in contrast with the terrors of that day when the restraining Spirit of God shall be wholly withdrawn from the wicked, no longer to hold in check the outburst of human passion and satanic wrath! The world will then behold, as never before, the results of Satan's rule.

But in that day, as in the time of Jerusalem's destruction, **God's people will be delivered**, everyone that shall be found written among the living. Isaiah 4:3. Christ has declared that He will come the second time to gather His faithful ones to Himself: "Then shall all the tribes of the earth mourn, and they shall see the Son of man coming in the clouds of heaven with power and great glory. And He shall send His angels with a great sound of a trumpet, and they shall gather together His elect from the four winds, from one end of heaven to the other." Matthew 24:30, 31. Then shall they that obey not the gospel be consumed with the spirit of His mouth and be destroyed with the brightness of His coming. 2 Thessalonians 2:8. Like Israel of old the wicked destroy themselves; they fall by their iniquity. By a life of sin, they have placed themselves so out of harmony with God, their natures have become so debased with evil, that the manifestation of His glory is to them a consuming fire...."

The Great Controversy, 29-37, excerpts, emphasis supplied.

References

From: The Mazzaroth (Zodiac) By Hillel ben David (Greg Killian) - His references follow

Appendix A Other Sources

- Sefer Yezirah more material on mazzaroth.
- Frances Rolleston "Mazzaroth" or "The Constellations". In London by Rivingtons, 1876.
- Joseph A. Seiss "**The Gospel in the Stars**". In Philadelphia by J.B.Lippincott, 1885.
- Admon, Bo'smat *Sefer Mishpete Kokhavim: Astrologyah lefi ha-Yahadut* (Hod ha Sharon: Astrolog, 1996)
- Bakal, Meir, (ed.) *Seder 12 ha-Mazalot* (Jerusalem: Hotsa`at Bakal, 1994)
- Erlanger, Gad, Signs of the Times: the Zodiac in Jewish Tradition (New York, NY: Feldheim, 2001)
- Glazerson, Matityahu, *Above the Zodiac: Astrology in Jewish Thought* (Northvale, NJ: J. Aaronson, 1997)
- Glazerson, Matityahu, En Mazal le-Yisrael (Israel: M. Glazerson, 1980, 1985)
- Ibn Ezra, Abraham ben Meir *Le Livre des fondements astrologiues: (precede de) Le Commencement de la sapience des signes* [introduction, traduction et notes de Jacques Halbronn] (Paris, Retz, 1977)
- Megilat Ta'anit: Baraita de-13 midot de-Rabi Yishma'ek. Baraita di-Shmu'el Yarhina'ah. 'Inyan ha-Tekufot (Israel: 1980)
- Solomon ben Isaac, Shene Sefarim Niftahim: Isur ver-Heter le-Rashi (1973)
- Altmann, A., "Astrology," *Encyclopedia Judaica* (Jerusalem: Keter, 1973), vol. 3, pp. 788-795
- Blau, L., & Kohler, K., "Astrology," *Jewish Encyclopedia* (NY: Fink & Wagnells, 1901-1905), vol. 2, pp. 241-245
- Sarfatti, G.B., "An Introduction to 'Barayta de-Mazzalot'," *Bar-Ilan Yearbook* 3 (1965), 56-82 [Heb]
- Dobin, Joel C., *The Astrological Secrets of the Hebrew Sages: to Rule Both Day and Night* (New York, NY: Inner Traditions International, 1983)
- Dobin, Joel C., *To Rule Both Day and Night: Astrology in the Bible, Midrash, and Talmud* (New York, NY: Inner Traditions International, 1977)
- Dobin, Joel C., *Kabbalistic Astrology: the Sacred Tradition of the Hebrew Sages* (Rochester, NY: Inner Traditions, 1999)
- Levy, R., *Astrological Works of Abraham ibn Ezra* (Baltimore, Md., Paris, Johns Hopkins University Press; Les Presses Universitaires, 1927)
- Jospe, Raphael, "The Torah and Astrology According to Abraham ibn Ezra," *World Congress of Jewish Studies* 11, C2 (1994), pp. 17-24)
- Universal Brotherhood Path February 1901 Symbolic Meaning of the Hebrew Letters.— F. G. P.

- [1] Hillel ben David (Greg Killian), The Mazzaroth (Zodiac)
- [2] Wikipedia, Encyclopedia, HaShem
- [3][118] Like the very angels.

[4][119] Lit. 'By signs'

Lit. 'by signs'.

[5][120] So Warsaw ed. The Vilna ed. has the singular and 'the state', which might refer to Rome.

[6][121] V. Gen. XXX, 14: And Reuben went to the days of wheat harvest, and found mandrakes in the field; and cf. Gen. R.LXXII, 5.

[7][122] His prowess and his self-sacrifice in the interest of morality were demonstrated at Shechem (cf. Gen. XXXIV, 25 f.).

[8][123] Perhaps the reference to Levi should, with R. Bechaye, be deleted, since he was not included among the twelve tribes (Rad.).

[9][124] Cf. Deut. XXXIII, 9.

[10][125] To which he was likened by Jacob in his final blessings (cf. Gen. XLIX, 9).

[11][126] They were the astronomers and calendar experts.

[12][127] Like silver, symbolical, according to R. Bechaye, of their great wealth;

[13][128] Rad.; they were the great merchants and seafaring traders; v. Rashi on Gen. XLIX, 13.

[14][129] Rad. prefers the reading 'black', adopted by R. Bechaye.

[15][130] Though Naphtali's birth is recorded before Gad's (v. Gen. XXX, 8-11), Gad precedes Naphtali in the present enumeration of the tribes (see vv. 14, 29) and also in the blessings of both Jacob and Moses (v. Gen. XLIX, 19, 21; Deut. XXXIII, 20, 23). There is consequently no need to assume with Rashi, that we have a printer's error here.

[16][131] Firstling bullock is taken to mean 'first in rank and power'.

[17][132] This passage on Joseph is not quite clear. Reference is made to Joseph's flag, though, in fact, there was no separate tribe of Joseph; nor is the meaning of the phrase 'the embroidered design thereon for both princes, Ephraim and Manasseh, was Egypt' quite certain. It apparently means that Ephraim and Manasseh were both included in one twin flag. Egypt was depicted across the whole of it, the background of which was entirely black, yet the flag was divided into two (perhaps by a vertical or horizontal line), and each part bore a device representing its particular tribe. Another explanation might be that they each had a separate flag, placed side by side, while a third flag represented Joseph as a whole. This seems rather less likely.

"Outer Space: Myths, Name Meanings, Calendars" by Gertrude and James Jobes

[18[[152] "The Jewish Encyclopedia" under 'Astronomy', page 246

[19][153] Astrological Secrets of the Hebrew Sages, by Rabbi Dbin

[20][154] "TANAK - The Holy Scriptures". The Jewish publication society.

[21][155] Tosefta Kid. 5:17

- [22] Beswick, Tessa, His Heavenly Banner, the Abrahamic Covenant in the Zodiac.
- [23] Seeds M., Backman D., Foundation Astronomy, 12^{th} edition, 2008, 2011, 2013. Emphasis supplied.
- [24] Moore, Rob, Studies of Comet Elenin, video form on www.inthatday.net 4 part series, 2011, 2012.