

REVISED AND UPDATED

THE
BREACH
MAKER

SERIES 800

NO MANS ZONE

The
BREACH
MAKER

SERIES 800

NMZ BOOKS

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DEDICATION

This Series 800 is dedicated to
ELIYAHU HA-NAVI.

THANK YOU

A very special thank you to the people whose works are cited in this book and to the people who have contributed to this publication.

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THANK YOU

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NOTICE

A special note on the pronunciation of the Set-Apart Name of the Father

In Hebrew, the Set-Apart Name is composed of four letters YHWH pronounced as Yud י, Hei ה, Vav ו, Hei ה.

This is referred to as the "Tetragram" or "Tetragrammaton" meaning roughly, "The Four Letter" - YHWH.

How the Tetragram is actually pronounced, there is no general consensus among scholars.

Current research points to one of five related pronunciations for the Set-Apart Name:

- 1) *Yah-way*
- 2) *Yah-hoo-way*
- 3) *Yah-oo-ay*
- 4) *Yah-oo-ah*
- 5) *Yeh-ho-vah*

For this, the English version of the Tetragrammaton YHWH and the Hebrew "YHWH" is employed throughout this Siddur to allow the reader to follow their own convictions on the pronunciation of the Sacred Name.

The term LORD or Lord as it is used in English Bible translations is a substitute for the Tetragrammaton. Therefore, it is not employed in this Exposition.

Other terms that are used in this Series

Here are some terms you need to be familiar with that we will be using throughout this exposition:

- רוח קודש (Ruach haKodesh): The Set-Apart Spirit (the Holy Spirit).

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- יהושע (Yeshua): The Hebrew Messiah (Jesus).
- Avraham: Abraham.
- Yitzchak: Isaac.
- Yaakov: Jacob.
- Sha'ul: Paul.
- Elohim: This is translated in English Bibles as God.
- Eloah: The singular of Elohim.
- Adonai: This is translated as Sovereign or Master.
- Mashiach: Messiah.
- Kahal: The Hebrew name for congregation/assembly or what Christianity calls the Church.
- Mitzrayim: The Hebrew name for Egypt or more correctly an ancient place that was located in Saudi Arabia of which is symbolic of ancient Egypt.
- Yahrushalayim: More accurately called Yerushalem from whence we get the name Jerusalem. Yisra'el: Israel. (The Nation, or Land, or person Known as Yaakov depending on the Context). Yisra'el means overcoming with El.
- Goyim: Nation (as applied to either Yisra'el or the Gentiles depending on the context. Also, an individual not born in Yisra'el.
- Torah: The first five books of the Old Covenant.
- TaNaK: The Old Covenant, which consists of the Torah, the Neviim (the Prophets), and Ketuvim (the Writings)
- Brit Chadashah: The Renewed Covenant. Literally the New/Renewed Covenant.
- Besorah: Gospel or Good News.
- Melech: King.
- Malak: Angels or the sons of YHWH.
- Malchut haYHWH: The Kingdom of YHWH.
- Malchut haShamayim: The Kingdom of Heaven.
- Malchut haElohim: The Kingdom of Elohim.
- Amha'aretz: The common folk and the poor of the land.
- Kohen: Torah Priest.
- Kohanim: Torah Priests.

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- Sophrim: Scribes.
- Prushim: Pharisees.
- Tzadukim: Sadducees.
- Navi: Prophet.
- Shlichim: Apostles, Messengers, sent ones from YHWH.
- Talmidim: Disciples.
- Chukim: Statutes.
- Mishpatim: Judgments.
- Edot: Testimonies.
- Amein: Literally, so be it.

THE SCRIPTURE (KITVEI HA-KODESH)

Note: We employ throughout this Work the original Hebrew titles of the Set-Apart Scriptures (Keetvay haKodesh) instead of their English equivalents because it assists believers to develop their Hebraic vocabulary.

THE SCRIPTURE (KEETVAY HA-KODESH)

Instructions

Genesis
Exodus
Leviticus
Numbers
Deuteronomy

Torah

Beresheeth
Shemoth
Wayiqra
Bamidbar
Devarim

Prophets

Joshua
Judges
First Samuel
Second Samuel
First Kings
Second Kings
Isaiah
Jeremiah
Ezekiel
Daniel
Hosea
Joel
Amos
Obadiah
Jonah
Mikah
Nahum

Nevim

Yahoshua
Shophtim
Schmuel Alef
Schmuel Bet
Melechim Alef
Melechim Bet
Yeshayahu
Yirmeyahu
Yechezkel
Daniyel
Hoshea
Yoel
Ahmos
Ovadyah
Yonah
Micha
Nachum

Zephaniah
Habakkuk
Haggai
Zechariah
Malaki

Tzephanyah
Chabakook
Chaggai
Zecharyah
Malachi

Ketuvim

Psalms
Proverbs
Job
Song of Songs
Ruth
Lamentations
Ecclesiastes
Esther
Ezra
Nehemiah
First Chronicles
Second Chronicles

Writings

Tehillim
Mishle
Iyov
Shir HaShirim
Root
Echah
Kohleth
Hadasah
Ezrah
Nechemyah
Divre HaYamim Alef
Divre HaYamim Bet

**The Renewed
Covenant**

Matthew
Mark
Luke
John
Acts
James
Hebrews
First Peter
Second Peter
First John
Second John

Brit Chadashah

Mattiyahu
Marqus
Luka
Yochanan
Maaseh Shlichim
Yaakov
Ivrim
Kepha Alef
Kepha Bet
Yochanan Alef
Yochanan Bet

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Third John	Yochanan Gimel
Jude	Yahudah
Romans	Romiyah
First Corinthians	Qorintyah Alef
Second Corinthians	Qorintyah Bet
Galatians	Galutyah
Ephesians	Ephsiyah
Philippians	Phylypsiyah
Colossians	Qolesayah
First Thessalonians	Tesloniqyah Alef
Second Thessalonians	Tesloniqyah Bet
Philemon	Phileymon
First Timothy	Timtheous Alef
Second Timothy	Timtheous Bet
Titus	Teitus
Revelation	Gilyahna

INTRODUCTION

Shalom Aleichem (Peace be unto you),

"12 I will surely assemble, O Yaakov, all of you; I will surely gather the remnant of Yisrael; I will put them together as the sheep of Bozrah, as the flock in the midst of their fold: they shall make great noise by reason of the multitude of men. The breach-breaker shall come up before them: 13 they shall break out, and will pass through the gate, and go out by it: and their Melech shall pass before them, and יָיָאָתָם at their head" Micha (Mikah) 2:12-13.

This passage describes a scene of a Sheppard penning up his sheep for the night. The Sheppard builds a makeshift fence of rocks around the sheep to secure his fold. In the morning, when the sheep spot the Sheppard, the sheep are eager to get out but are unable to breach the fence until the Sheppard makes a pathway in the fence. Literally, in the Hebrew, the one doing the breaching is called the "breach-make" or *poretz* in Ivrit. This is non-other than the mystical figure of Eliyahu haNavi (Elijah the Prophet), whose return is anticipated in every Jewish home on the Shabbat and on the Jewish High Holidays.

It is Eliyahu's ominous task to make a breach in the rock fence, and it is he that goes through first. He opens the way, then he is followed by the King in verse 13, an allusion to the Messiah "*YHWH at the head of them*" who then leads the sheep to green pastures. Eliyahu is considered in Jewish law to be the forerunner of the arrival of the Messiah and the strongest defender of the Torah of Moshe. Messiah

Yeshua identified Yochanan the Matbeel (John the Baptist) as the *portez* of His first coming Mattityahu (Matthew) 17:10-13.

Both the Old and the Renewed Covenants are in agreement that Eliyahu must return before the second appearance of the Set-Apart One (Malachi (Malaki) 3:1; Marqus (Mark) 9:12) Eliyahu is once again poised to be the *portez* that will prepare the pathway, but he will be not alone in this mission. There are many in the Jewish and Messianic communities today who are actively preaching a return to Yisra'el and the Torah of Moshe. Every voice that lends its weight to this mission is fulfilling the task of Eliyahu and accelerating the return of Mashiach Yeshua.

Thus, Eliyahu will appear in the final stage of history to unify and bring to a conclusion the labors of Sons of YHWH past, present, and future. During the first appearance of Eliyahu as Yochanan haMatbeel (in the person of the John the Baptist), Yisra'el was merely a nation of a few hundred million people scattered throughout the Parthian, Roman, and Greco Empires. Today the promise of multiplicity given to the Patriarch Avraham (Abraham) has been fulfilled, and Yisra'el has become the *melogoyim* - the fullness of the Gentiles. It is no longer possible to count the descendants of Avraham or to identify where they have settled.

DNA proliferation and research place the number in the billions, and they continue to expand at an exponential rate. There are descendants of Avraham in every creed, religion, race, nation, Island, and continent, and a phenomenon has occurred! The Sons and Daughters are waking up to their identity as Yisra'el, and increasingly more and more are becoming connected. The World Wide Web and Media now boast of holding the attention of the majority of Earth's citizens. Minds and hearts are now electronically linked together like never before.

From every corner, place, and abode on the planet, the decadents of Avraham are linking themselves to the voice and conscience of Eliyahu that resonates through the vast desert of cyberspace that no man can call his own. In this desert, there is a distinct voice that is crying in the wilderness saying, "kol shepareinu iban, Nachamu Nachamu Yisra'el" – **"The voice of one crying in the wilderness. Comfort, Comfort my people Yisra'el"** Multitudes upon multitudes are listening to this voice and are responding from their hearts.

To this voice, we have added our domain. Beginning in 2009, we published a series of articles on the web called No Mans Zone. The first 15 messages are presented in the Breach Maker 700 series, and the second 15 messages are here in this Series. The topic of each Article is a response to a critical area or issue that is currently amassing discussions and debates in *Kol Yisra'el* (the whole house of Yisra'el). Some Articles are teachings which we share here for everyone. The views and teachings presented in these articles are guaranteed to challenge you and impact you, as these messages have done to countless others.

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BERESHEETH BARA

Shalom Aleichem (Peace be unto you),

Beresheeth Bara, In the Beginning

Introduction

Recently a friend of mine caused me to ponder the age-old question of "what is Elohim" A Hebrew word that is horribly translated as "God." Elohim has been described as incorporeal, a personal being, the source of all moral obligation, the greatest conceivable being existent, and the All of existence. And there are many names for Elohim, and different names are attached to different cultural ideas about Elohim's identity and attributes.

In theology, the question of what is Elohim is answered by looking at the attributes of Elohim: These attributes are omniscience (infinite knowledge), omnipotence (unlimited power), omnipresence (present everywhere), omnibenevolence (perfect goodness), divine simplicity, and eternal and necessary existence. These attributes were all claimed to varying degrees by the early Jewish, Christian,

and Muslim scholars, including St Augustine, Al Ghazali, and Maimonides.

However, the central question is: *Can we discover what this Elohim is without putting a name or a gender or a label on Elohim?* I believe I have been shown a way, and this little exercise I have devised will unravel the mystery - it will show you who Elohim is from a list of 19 major candidates without the necessity of an elongated theological treatise. This search does not include the millions of mini-gods of the different religions.

But first, what does Elohim mean in Hebrew?

Elohim

The word Elohim does not mean "God." *The Encyclopedia Britannica* 11th Edition says, "GOD – the common Teutonic word for a personal object of religious worship....applied to all those super beings of the heathen mythologies. The word 'god' on the conversion of Teutonic races to Christianity was adopted as the name of the one supreme being."

Similarly, James Hasting (*Encyclopedia of Religion and Ethics*, Vol. 6, p. 302) states that "after the conversion of the Teutons to Christianity the word (God) came to be also applied to the Christian Deity" and that "its etymology and its original meaning are obscure and have been much debated." It is obvious that the origin of the word is pagan and should be avoided where possible.

The term Elohim is the plural form of the Hebrew word *Eloah*. In Hebrew theology, Elohim is clearly understood to mean a numeric one and never a composite unity of persons. The word does not imply a plurality of persons or personalities as Trinitarians have asserted. Hebrew Scholars agree that the term "Elohim" indicates Eloah greatness or Eloah's multiple attributes.

Flanders and Cresson explain that the plural usage in Hebrew has a certain function other than to indicate plurality:

"The form of the word, Elohim, is plural. The Hebrews pluralized nouns to express greatness or majesty."

Flanders, Henry Jr., and Cresson, Bruce. *Introduction to the Bible*. New York: John Wiley and Sons, 1973 p. 48 n 8.

We cannot ignore the fact that the Scripture uses singular pronouns to refer to the Creator numerous times.

See Yeshayahu (Isaiah) 37:16, 43:10-11, 44:6; 44:8, 44:24, 45:6, 20-22, 46:9, 48:11, 42:8, Malachi (Malaki) 2:10; Zecharyah (Zechariah) 14:9; Tehillim (Psalm) 71:22, 78:41; Nechemyah (Nehemiah) 9:6; Divre HaYamim Alef (First Chronicles) 17:20; Yaakov (James) 2:19; Romiyah (Romans) 3:30; Qorintyah Alef (First Corinthians) 8:4 8:6; Galutyah (Galatians) 3:20; Ephsiyah (Ephesians) 4:6; Timtheous Alef (First Timothy) 2:5; Yochanan Alef (First John) 2:20; Gilyahna (Revelation) 4:2.

Further, the Scriptures prohibit us from associating the Creator with a physical form, including and not limited to a human being.

See Shemoth (Exodus) 20:2-6, 33:20, 34:14; Bamidbar (Numbers) 23:19; Devarim (Deuteronomy) 4:13-16, 23-24, 7:25; Schmu'el Alef (First Samuel) 16:29; Yirmeyahu 25:6-7; (Jeremiah); Yechezkel (Ezekiel) 28:9-10; Hoshea (Hosea) 11:9.

Rabbi Moshe Maimon "Rambam," the celebrated Jewish Rabbi of the 11th Century, taught that if Elohim is truly all-knowing and eternal: His knowledge and His existence are all one thing. Eloah would not be "God" if He did not know everything or were not eternal- they are all part of His unity. That unity, therefore, precludes the belief in multiple deities.

In order for there to be "room" for more than one Eloah, each would have to be limited in some way which precludes any idea of a limitless Elohim. The Elohim of the Torah is entire without boundary or limitation (*Foundations of Torah 2:10*). In principle number two of Rambam's Thirteen Principles of Judaism that is found in all traditional Jewish prayer books, he states;

"He is One (echad), and there is no Oneness like His; hidden, and there is no end to His unity."

Now that I have narrowed our search for Elohim down to a monotheistic Eloah with no form, we can start the exercise to discover the identity of this Elohim?

In the Beginning

Beresheeth bara are the opening words of the book of Genesis (Beresheeth) - literally *in the beginning*. Many brilliant minds have contemplated "the beginning." They have produced many hypotheses and theories which have allowed learning minds to explore the possibilities, which is not the subject of this paper. In this search, I would like to take you back to a time before the creation of matter, motion, energy, and the laws that govern their existence. Specifically, what we want to go back to that "moment" before the Universe and see what is there?

We are a "mind" that is capable of exploring spiritual phenomena outside of the realm of the Universe. Through the thinking process of *meditation*, we can access this information, but we must ask the right questions to access the hidden knowledge of this realm. This exercise aims not to explain a scientific phenomenon or what occurred at the beginning but to discover the Elohim of the beginning. Bear with me as we go through this thought challenging exercise, which will only take a few minutes of your time.

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1. Let's say we stripped away;

All the education we have received about "God, Jesus, Yeshua, YHWH, Allah, Krishna, etc.; whatever your persuasion."

- All the presumptions we have had of a Creator and even evolution,
- All the religious experiences,
- All our cultural memories, so that we come back to just YOU!

WHAT DO YOU PERCEIVE WILL BE THERE?

Please ponder on this for a moment before reading on?
Answer - Just me!

2. Let's now go a step further and strip away;

- This body of flesh,
- Our emotions,
- Our will,
- Our human experience, so that we come back to just SPIRIT or SOUL.

WHAT DO YOU PERCEIVE WILL BE THERE?

Please ponder on this for a moment before reading on?
Answer - Just soul!

Note: that I have not at any one point said that our intellect is removed (your capacity to think and reason).

3. Let's now go a little further and strip away;

- The world we live in,
- The planet we live on,

- The moon,
- The Sun and stars that orbit our solar system so that we come back to the BEGINNING.

WHAT DO YOU PERCEIVE WILL BE THERE?

Please ponder on this for a moment before reading on?
Answer - Just Universe!

4. Let's now go one final step and strip away;

- The galaxies,
- The stars,
- The laws,
- The Universe so that we come back to literally NOTHING. I mean empty space, which makes up 96% of the Universe. The other 4% is what we see.

WHAT DO YOU PERCEIVE WILL BE THERE?

Please ponder on this for a moment before reading on?

The answer should be obvious. Eliminate everything, and you are left with just one reality, ELOHIM. The Being who created everything we just eliminated! But what is this Elohim?

In the Beginning Elohim

Beresheeth bara Elohim is the first three words of the book of Genesis (Beresheeth). This passage teaches a universal truth that is shared by most religions, that in the beginning, there is "God" and nothing else. But who exactly is this, Elohim, has been a long and ongoing struggle and debate for mankind?

The answer to this question for most people would depend on who they have been taught is Elohim, and usually, it is a

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"God" that one has been raised to believe and trust. For some people, this "God" is not a person or phenomenon but an idea that is never the less, a god of a sort. So let us see what people believe and say is Elohim or "God."

If you are a religious Jew, you would say;
YHWH (Adonai) or ENSOF (the limitless One).

If you are a Christian, you would say;
JESUS CHRIST.

If you are Catholic, you would say;
THE TRINITY (The Father, the Son, and Holy) Spirit.

If you are a Messianic Jew;
YESHUA or YAHUWEH.

If you are a Muslim;
ALLAH.

If you are a Baha'i;
BAHÁ'U'LLÁH (The Glory of God).

If you are a Spiritualist;
INFINITE ENERGY.

If you are Hindu;
SHIVA, VISHNU, and SHAKTI (BRAHMA).

If you are Buddhist;
BUDDHA.

If you are Taoist;
THE THREE PURE ONES (Wuji, Taiji, and Yin and Yang).

If you are Shinto;
YAOYOROZU NO KAMI.

If you are a Satanist;
LUCIFER.

If you are an Evolutionist;
THE BIG BANG.

If you are an Atheist;
NOTHING.

If you are an Agnostic;
UNKNOWN.

If you are a Creationist;
GOD.

If you are a Universalist;

THE INFINITE INTELLIGENCE.

Now bear with me again one final time. Say we removed the names, the titles, or the veneration we associate with Eloah and say Elohim has no name, which is actually the situation at creation saga since the Genesis account does not mention a name until chapter two.

WHAT DO YOU PERCEIVE WILL BE THE ESSENCE OF THIS ELOHIM?

By essence, I am referring to the pinnacle/supreme characteristic of Elohim? Please ponder on this for a moment before reading on?

We all understand from our religions that Eloah possesses all knowledge, all wisdom, all power, all authority, all truth, and all righteousness and is, as the Jewish Philosopher Maimonides said in his legal code, "the first being or cause?" These are undisputed and unchangeable facts.

Every religion claims the above as fundamental to their belief why they hold their "God" to be Elohim. If this is a universal truth among faiths, which I know it to be, then there is an irreconcilable reality; 'contradictory "Gods" cannot be all the same Eloah, any more than opposing faiths cannot be the same faith.'

The fact is, a Jew will never agree with a Christian that Jesus is "God"; a Muslim will reject that Allah is Jesus; a Hindu will not say that Allah is "God" and so forth. It is a debate that has no possible conclusion. The reality of many faiths only promotes the idea of there being multiple "Gods" for different people groups.

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Therefore, Elohim cannot be Eloah because Elohim is the first cause or possesses these divine attributes. Elohim is Eloah because this "essence" that Eloah transcends the base fundamentals. Also, this essence is not shared by all, is unique to the true Eloah.

What could be greater than the name, titles, veneration, expressions, characteristics of Elohim and is unique that make Elohim, Eloah?

The answer is;

AHAVAH - LOVE!

PURE, INFINITE, EVERLASTING, ETERNAL LOVE!

The Sholiach Yochanan (John the Apostle), in his letter to the Yisra'el, wrote;

"Eloah is ahavah" God" is love" Yochanan Alef (First John) 4:8, Then he said something remarkable.

".....everyone who does not love, does not know Eloah."

Yochanan is making the point that Elohim is discoverable and knowable; Elohim is love, and when we love, we know Eloah at the beginning. Logic must then dictate that if the Eloah a faith/religion espouses does not make one love the Creator and to love others, then in all wisdom, the "God" of that faith is not Elohim and frankly does not qualify as Elohim!

However, there is an experiential and theological problem here; we all have varying definitions of what love is? For example, some believe in conditional love, some in unconditional love, and still others in action-based love, and for others, love is undiscoverable. Therefore, the issue of who Elohim is must then come down to the question of what exactly love is?

Now, this topic itself would take a book to explain, so I will let the Torah answer this part in its most concise summary of the term to save us time. The Scripture is Shemoth (Exodus) 34:5-8.

First, here is the background to this passage: Elohim asks Moshe to hew out two tablets of stone and brings them to Him on Mount Sinai. Elohim descends in a cloud before Moshe and declares the following;

"5 And YHWH descended in the cloud, and stood with him there, and proclaimed the Name of YHWH.

6 And YHWH passed by before him, and proclaimed: YHWH, YHWH, El, merciful and gracious, long-suffering, and abundant in goodness and truth.

7 Keeping mercy unto the thousandth generation, forgiving iniquity and transgression and sin. And that will by no means clear the guilty; visiting the iniquity of the fathers upon the children, and upon the children's children, unto the third and unto the fourth generation.

8 And Moshe made haste, and bowed his head toward the Earth, and worshipped."

In Judaism, this is known as Elohim's thirteen attributes of mercy that were revealed to Moses after the sin of the golden calf; they are:

YHWH (1), YHWH (2), Elohim (3), merciful (4), and favor (5), long-suffering (6), abundant in goodness (7) and truth (8), keeping mercy unto the thousandth generation (9), forgiving iniquity (10) and transgression (11) and sin (12), who cleanses (13).

Note: the repetition of YHWH as (1) and (2) is in verse 6. It is not a mistake. One refers to The Infinite Being and the other the Divine Name.

These attributes are recited for ten days as part of the Selichot prayers that are said before the day of Yom Kippur,

the most solemn day of the Scriptures where our existence as a human race hangs in the balance for the following year if YHWH were not as Moshe had revealed. If there is a concise definition of the essence of Elohim, this would be it!

Conclusion

Elohim is Ahavah or Love. The 13 principles of the Torah define for us what Ahavah is and is the answer to the question; what is Elohim? Finally, we can now ask, who among the list of our possible candidates accurately reflects these attributes if we were to put a name on Elohim? You guessed it right; YHWH - the Elohim of Yisra'el!

Barukh haba b'shaym יהוה, Halleluyah! Praised is He who comes in the name of יהוה!

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ALEF

Shalom Aleichem (Peace be unto you),

Alef, The mystery of the Creator

God has a Beginning! *In the beginning was the Word and the Word was with God* (1). In this sentence is the mystery of the Creator. In the *sod* level (2) of Hebraic Hermeneutics, this passage is saying that "God" has a beginning. In this part, the mystery of the Creator will be unraveled?

But first, let me say that the word "God" is a misnomer. Eloah is the Hebrew word for God and the correct way to call our Creator, although He is referred to in Hebrew by a number of exalted titles (3), none of which is His personal Name. His personal name is Yahuweh (4). The mystery to me about Eloah was answered several years ago when I first studied the Hag Hammadi Library. For those who are not aware of the Hag Hammadi Library, please refer to the background information in the appendix to Alef (5). I am mindful of the fact that the Church has labeled these works as "Gnosticism" (6), a theologian's way of dismissing what

they are not able to decipher. Still, the Church certainly understands why the works were hidden for almost 15 Centuries (7). The works answer many pertinent questions about the makeup of Eloah and the sons of Elohim who were created to rule the Earth. It reveals the hidden pathway to salvation that was understood to Sages before Christianity. All of which will be explained in these articles.

Before the advent of time, there was only *Yachid* (ONE) - The Fore-Father. After a time, there is *Echad* (ONENESS) - YHWH (8). Until the discovery and translation of the Hag Hammadi Library, relatively nothing was said about a Fore-Father anywhere in the sacred writings. His revelation remained hidden for eons. The Fore-Father or un-conceived Father is not a god; He is the beginning of the "God" concept. Bear with me as I attempt through Scripture and Science to unfold this mystery. According to Yeshua, the Fore-Father should not be referred to as God or like a god (9). The Fore-Father is without expression, form, location, or name; The Great Eternal Spirit is the matrix of all creation and life. He is without beginning only eternal therefore does not change. What has a beginning has an end (10). The Fore-Father is pure and infinite light, self-generated, self-generating, and self-producing. The Light of lights, the Life of life and will be referred to in this book as the Fore-Father or the Eternal Spirit or *Ein Sof* (11) in Hebrew The Fore-Father is without gender although at times Yeshua refers to the Eternal Spirit in the pronoun "He" because of His paternalistic nature.

The Saviour Yeshua in *the Wisdom of Jesus Christ*, a book found among the collection of the Hag Hammadi Library describes "Him" as the One who IS ineffable without beginning and is the Father of all.

"The Saviour said, "the One who Is ineffable.... The One Who Is, immortal and eternal, and being eternal, is without birth, for whoever is born will die; unconceived, without beginning, for whoever has a beginning has an end;

undominated, without a name, for who has a name has been made by another; unnamable, without human form has been made by another, The One Who is has appearance of its own, not like anything you have seen and received, but an alien appearance that surpasses everything and superior into the Universe. It looks everywhere and beholds itself in itself. The one is infinite, incomprehensible and constantly imperishable. The one unequaled, immutably good, without fault, eternal, blessed, unknown, yet it knows itself. The One is immeasurable, untraceable, perfect without defect. The One is blessed, imperishable, and is called the Father of all" Page 288.

This is Who Moshe (Moses) asked YHWH to show him in the wilderness tract, but YHWH would not reveal because it would completely obliterate Moshe, in name and in being, even from the book of life (12). The Fore-Father presence obliterates energy. The Fore-Father is the only being that can obliterate energy by reabsorbing life. As you will later learn, all life is essentially energy. This energy is metaphorically called light or *ohr* in the Hebrew Scriptures. When light or *ohr* is used in reference to the Eternal Spirit, we say *Ohr Ein Sof* literally the Infinite Divine Light. This is "He," whom Yeshua said we should fear because "He" can destroy both body and spirit (13). Never the less it is contrary to the Fore-Fathers being to destroy life because the Fore-Father is the source of life. Therefore, life or, more correctly a light, is re-absorbed into "His" Infinite Being and ceases to be "a" light.

Before time began, the Fore-Father was Infinite Energy - an unquantifiable and unlimited force. This Energy reached as far as forever, filling eternity, expanding into Infinity, beyond time, space and motion. Nothing can be added or subtracted from the Force. Everything ever desired and much more was included in this infinite Energy. In the Force are peace, joy, love, goodness, kindness, knowledge, wisdom, beauty, majesty, vision, reason, power, freedom, and the kingdom. There was not a moment in the Eternal

was there a need to produce anything because the Fore-Father existed in perfect silence, harmony, and happiness, nor was there a need for the Eternal to discover anything. The Fore-Father is un-limited enlightenment. "He" has perfect knowledge, perfect understanding, and perfect wisdom. The Spirit is incapable of learning, but the nature of this Energy was that it desired to conceive. At this point, it would be best to let Yeshua explain why the Spirit desired to conceive;

"Philip said, "Master then how did the One Who Is appear to those who are perfect?" The perfect Saviour said, "Before anything becomes visible of visible things, the majesty and the authority are in Him, since He gasps everything while nothing gasps Him. His is all Mind, He is thought, consideration, reflection, reason, and power, and all are equally powerful. These are the sources of all that is, the entire generation, from the first to the last, was in the foreknowledge of the infinite unconceived Father." Thomas said to Him, "Master Saviour, why did these come to be and why were they revealed?"

"The perfect Saviour said to Him, "I have come from the infinite to tell you everything. The Spirit Who is was the One who conceives, the one Who has the power of conception and can (give) form, so that the abundant wealth within might be revealed. In mercy and love the Spirit wished to produce fruit independently, that the Spirit might not enjoy goodness alone, but that other spirits of the unshakable generation might produce bodies and fruit, glory and honor in imperishable and infinite grace of the Spirit. In this way the goodness of the Spirit could be revealed by the self-conceived God, the Father of all imperishability and those who would come later" The Wisdom of Jesus Christ The Hag Hammadi Scriptures page 289-290.

The nature of the Fore-Father is to expand, impart, share and give. In Jewish Kabbalah, this ever-expanding energy of giving and sharing is known as the FIRST CAUSE. In

other words, the first cause of the beginning! According to Jewish tradition, The Eternal created the world with ten utterances (Pirkei Avot 5:1) "*And Elohim said....*" The first words spoken by Elohim created light. "*And Elohim said: Let there be light: and there was light. And Elohim saw the light, that it was good. And Elohim divided the light from the darkness*" Beresheeth (Genesis) 1:3-4. Since the Sun and moon were not created until the fourth day, it cannot be physical light. There is uncertainty among Jewish scholars as to what this light was, although most Jewish commentaries describe this light as metaphysical or Devine light. Interestingly the numerical value of the Hebrew word for light "Ohr" equals *Ras* (mystery). A mystery would have remained until the Hag Hammadi Scriptures revealed what this beginning was.

"The Lord of all is properly addressed not as Father but as Forefather. THE FATHER IS THE BEGINNING OF WHAT IS VISIBLE, and the Lord is the Forefather without beginning....He is as old as the one before Him but not as powerful" The Hag Hammadi Scriptures p 277 (emphasis added).

(14) Interestingly, the Chinese Master Tzu, who wrote the Tao the Ching, teaching dated to the 6th Century BC, related these aspects of the Fore Father some 2000 years before the mystics of Hag Hammadi. He named the Fore Father "the Tao," and a summary of his teachings on the Tao is presented in the appendix.

The first instance of spoken creation *let there be light* was the separation of the Father from the Fore-Father! Before the beginning, "He" Who has no Name (the Fore-Father) contracted His Being (15) and brought forth the life-giving source Yahuweh whose essence is represented in the Hebrew letters יהוה (YHWH), the author of all creation. "He came forth as our omnipotent and omniscient Creator but not equal to the primary which is indicated in the words *"but not as powerful."* In the teaching of the Zohar (a prized

Jewish text), it says, in the beginning, the unmentionable aspect of Elohim (Ensof) created Elohim. The Hebrew of Genesis One reads in the literal sense, 'The Beginning Elohim was created.' We instead chose to interpret it in the usual sense.

The separation was achieved by splitting the sacred Name into four distinct letters Yud י, Hei ה, Vav ו, and Hei ה. YHWH had neither beginning nor end but was with the Fore-Father until He was separated from Him for the purpose of conception or creation. At separation, YHWH received a body of light and the exalted Name יהוה (YHWH) - the genesis of all names from which the whole family of creation is named - nothing that exists does not contain the perfection of His name. That perfection is the number seven that is implanted on all created things, including time and space (16). It is the manufacturers' seal and code. Humankind was taken from YHWH's bosom and fashioned in His triune image. We are made of the same stuff (essence) that our Creator YHWH is embodied - pure light. A truth that is will be explained in the title *the Mystery of Man*.

This revelation poses a paradox for the proponents of the big bang theory (17). It would appear that the Earth and darkness preceded the separation of YHWH, which would position the Universe as existing before YHWH was separated from the Fore-Father and the big bang. Interestingly there is scientific evidence to support this now (18). This paradox is quickly resolved from the Scripture itself when we accept the creation order of the Genesis account and place the Universe as existing before the big bang. In actuality, the Universe has had multiple geneses – a concept that is well known in Jewish teaching and is taught in other religions (19). This Universe we abide in predates the big bang. Before YHWH re-created the metaphysical realm and note I said re-created, the Earth was unformed and void.

“Now the Earth was unformed (tohu), and void (Bohu), and darkness was upon the face of the deep. And the Spirit of Elohim hovered over the face of the waters” Beresheeth (Genesis) 1:2 Parenthesis added.

The words *unformed* and *void* are the Hebrew words *Tohu* and *Bohu*. Strong’s Exhaustive Hebrew Concordance defines Tohu and Bohu as confusion and emptiness (20). A state in which the Scriptures vehemently rejects as not part of Elohim’s nature or actions (21); therefore, these two words indicate that creation had descended into a state of unparalleled disorder and decay before the big bang, which theologians and Jewish scholars alike attribute to Lucifer’s (22) actions necessitating the intervention of the Eternal. As a result of Lucifer’s actions, a deep darkness (23) or dark matter (24) enveloped the Earth, and there was no light to motion the creative process. According to the Jewish commentator Rashi, the Creator hid the light from the evil one after the Eternal had created it (25). I will clarify why creation descended into disorder in the next Article.

From a scientific point of view, it appears that something had been eliminated from the equation of the Universe (26) that brought about desolation in the Universe. That element was time since metaphysical creation (the Earth and water) was still intact prior to Genesis 3. It was Albert Einstein that first posited time as a dimension. He discovered that metaphysical creation has four dimensions; Length, Breath, Height (spatial dimensions), and Time. Later in his life, Einstein worked on the idea of all unifying formula for the Universe (27), which he did not complete in his lifetime. Essentially once time had stopped, the Universe became motionless or static. The idea of our Universe losing a dimension and still retaining its form is possible when we understand what time is – a mystery that will be explained in the Article of the mystery of time. In order for the Fore-Father to re-create the Universe, which was then in a chaotic state, “He” contracted *Tzimtzum*, His infinite Being, into a single concentration of inconceivable energy to create

a vacuum to allow for the re-emergence of the space-time continuum as we know it. This concentration of energy (power) and its subsequent emergence produced an incalculable supernova (28) a trillion times stronger than any cosmic event, which caused the planets to re-orbit and the Earth to re-spin because, without motion, time cannot exist.

Before the Father emerged, time had ceased when the Father emerged; time began again. Thus, it was not physical creation that first came into being but the Light of creation, the Father of us all - What people call "God" or what Science calls the big bang. At that single utterance, *let there be light* the Light of eternity dawned. *In the beginning was the Word, and the Word was with Eloah, and the Word was Eloah. This was in the beginning, with Eloah.*" In the fullness of time, the Fore-Father sent forth the Creator whom He called His Son (Yeshua) to be born of a woman (Miriam) whom we would call "the Father" (29). According to Navi Yeshayahu (Isaiah), *"the Malchut (Kingdom) will be upon His shoulders. And His Name is called Wonderful, Counsellor, The mighty El, **The Everlasting Father**, The Prince of Peace"* Yeshayahu (Isaiah) 9:6. The Universe and darkness pre-existed the emergence of the Father but not the Fore-Father. The Fore-Father exists outside of time, but as YHWH, He exists in time.

He who has an ear let him understand the mystery!

Appendix

(1) See alternative translations "*Beresheeth was the living Torah, and the living Torah was with יהוה*", and the living Torah was יהוה" Yochanan (John) 1:1 RSV.

"In the beginning was the Word, and the Word was with Eloah, and the Word was Eloah. This was in the beginning, with Eloah" Yochanan (John) 1:1 NRVS.

(2) The four levels of Hebraic Hermeneutics or interpretation:

- *P'shat*, the plain, simple, or literal meaning of the text
- *Drash*, the homiletic meaning (from this *Midrash*)
- *Remez*, the hidden or esoteric meaning
- *Sod*, the hidden or mysterious (gematria)

(3) Titles of Eloah

El Shaddai, "the all-powerful, mighty One" (Beresheeth (Genesis) 17:1, 28:3, 35:11);

El Elion, "the most high mighty One" (Beresheeth (Genesis) 14:18, 19, 20, 22);

El Dauth, "the mighty One of knowledge" (Schmuel Alef (First Samuel) 2:3);

El Olam, "the mighty One of eternity" (Beresheeth (Genesis) 21:33, Isaiah 40:28);

El Roi, "the mighty One of seeing" (Beresheeth (Genesis) 16:13);

El-Berith, "the mighty One of the Covenant" (Shophtim (Judges) 9:46);

and

El-Gibhor "the mighty Elohim" (Yeshayahu (Isaiah) 9:6).

YHWH Yireh, "YaHuWeH will Provide" (Beresheeth (Genesis) 22:14);

YHWH Rophe, "Yahuweh Who Heals" (Shemoth (Exodus) 15:22-26, Jeremiah 30:17, 3:22);

YHWH Nissi, "Yahuweh is our Banner" (Shemoth (Exodus) 17:15, Psalm 4:6);

YHWH M'kaddesh, "Yahuweh Who Sanctifies" (Wayiqra (Leviticus) 20:7-8);

YHWH Shalom, "Yahuweh is our Peace" (Devarim (Deuteronomy) 27:6, Judges 6:24);

YHWH Elohim, "Yahuweh our Elohim" (Beresheeth (Genesis). 2:4, Judges 5:3);

YHWH Tsidkenu, "Yahuweh our Righteousness" (Yirmeyahu (Jeremiah) 23:5, 6, 33:16);

YHWH Rohi, "Yahuweh our Shepherd" (Tehillim (Psalm) 23);

YHWH Shammah, "Yahuweh is There" (Yechezkel (Ezekiel) 48:35); and

YHWH Sabaoth, "Yahuweh of Hosts" (Yeshayahu (Isaiah) 1:24, Tehillim (Psalm) 46:7, 11).

(4) Here are a few instances where the Scriptures itself directly testifies that Yahuweh is the personal name of Eloha:

- *"And I appeared unto Avraham, unto Yitzchak, and unto Ya'akov. In El Shaddai, and by My Name Yahuweh, was I not known to them?"* Shemoth (Exodus) 6:3;
- *"I am Yahuweh your Elohim, who brought you out of the land of Egypt; out of the house of bondage. You shall have no other gods before Me"* Shemoth (Exodus) 20:2;

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- **"I am Yahuweh, that is My Name:** and My glory will I not give to another, neither My praise to graven images" Yeshayahu (Isaiah) 42:8;
- **"I am Yahuweh,** and there is none else; beside Me there is no Elohim. I have girded you, though you have not known Me. That they may know from the rising of the Sun, and from the west, that there is none beside Me: **I am Yahuweh,** and there is none else. I form the light, and create darkness. I make peace, and create evil. **I am Yahuweh,** that does all these things" Yeshayahu (Isaiah) 45:5-7;
- **"Therefore behold,** I will cause them to know--this once will I cause them to know My hand and My might, and they shall know that, **My Name is Yahuweh"** Yirmeyahu (Jeremiah) 16:21;
- **"Thus says Yahuweh Tzva'ot:** The children of Yisra'el and the children of Y'hudah are oppressed together, and all that took them captives hold them fast; they refuse to let them go. Their Redeemer is strong, **Yahuweh Tzva'ot is His Name;** He will thoroughly plead their cause, that He may give rest to the Earth, and disquiet the inhabitants of Bavel" Yirmeyahu (Jeremiah) 50:33-34.

(5) **The Nag Hammadi library** is a collection of early Christian Gnostic texts discovered near the Upper Egyptian town of Nag Hammadi in 1945. Twelve leather-bound papyrus codices buried in a sealed jar were found by a local peasant named Mohammed Ali Samman. The writings in these codices comprised fifty-two mostly Gnostic treatises, but they also include three works belonging to the *Corpus Hermeticum* and a partial translation/alteration of *Plato's Republic*. In his "Introduction" to *The Nag Hammadi Library in English*, James Robinson suggests that these codices may have belonged to a nearby Pachomian monastery and were buried after Bishop Athanasius condemned the use of non-canonical books in his Festal Letter of 367 AD.

The contents of the codices were written in the Coptic language, though the works were probably all translations from Greek. The best-known of these works is probably the *Gospel of Thomas*, of which the Nag Hammadi codices contain the only complete text. After the discovery, it was recognized that fragments of these sayings attributed to Jesus appeared in manuscripts discovered at Oxyrhynchus in 1898), and matching quotations were recognized in other early Christian sources. Subsequently, a 1st or 2nd-century date of composition circa 80 AD has been proposed for the lost Greek originals of the Gospel of Thomas. The buried manuscripts themselves date from the third and fourth centuries. Wikipedia.

(6) **Gnosticism** (from *gnostikos*, "learned," from Greek: *gnōsis*, knowledge) is a modern scholarly term for a set of religious beliefs and spiritual practices found among some early Christian and non-Christian groups called "gnostic" ("knowing") by Irenaeus and other early Christian

leaders. In the past, many scholars believed that Gnosticism predated Christianity, but now it is generally accepted that Gnosticism developed into a coherent movement only in the second century CE.

(7) **The Nag Hammadi library** was compiled by Coptic monks of who believed that it was their sacred duty to preserve the mysteries for future generations. The reason why it was buried in the ground was to preserve it from the fury of the Roman Empire when it began to systematically burn all ancient libraries in 2nd and 3rd Centuries within its conquered territories that would threaten their newly established state religion Christianity. The more valuable works of these libraries were carried off to Roman, where it is preserved today and is unavailable to the general public. They are called "the Secret Archives of the Vatican." An ex-Catholic Priest Father Edmond Szekley who worked in the archives, reported that the archives comprise of more than 20 miles of bookshelves of scrolls, parchments, papers, and codices. In one square, dust-filled room, there are over 10,000 packages of unexamined documents.

(8) **Echad:** The most important verse In Jewish Prayer is Deuteronomy 6:4: "Hear, O Israel! Yahweh is our Elohim, Yahweh is one (Echad)!" This word means a unified one and, at other times, a numeric oneness. For example, when Elohim said in Beresheeth (Genesis) 2:24, "the two shall become one (echad) flesh," it is the same word for "one" that was used in Deuteronomy 6:4. In Jewish understanding, Elohim is a numeric one; therefore, they use the word *yachid* to refer to the Eternal.

(9) "I asked if I might understand this, and it is said to me, The One is a sovereign that has nothing over it. It is God, and the Parent, Father of the ALL, the invisible one that is over All, that is incorruptible, that is pure light at which no eye can gaze. The One is the Invisible Spirit. We should think of it as a god or like a god. For it is greater than a god because it has nothing over it and no lord above it. It does not (exist) within anything inferior (to it, since everything) exist within it (for it established itself). It is eternal it does not need anything. For it is absolutely complete. It has never lacked anything in order to be completed by it. Father, it is always absolutely complete in light" The Hag Hammadi Scriptures p 108.

(10) *"The Lord of all is properly addressed not as Father but as Forefather. The Father is the beginning of what is visible, and the Lord is the Forefather without beginning"* The Hag Hammadi Scriptures p 277.

(11) **En Sof;** (literally: "Without End"/Limitless/Infinite) is the Kabbalistic term for the Divine essence. Kabbalah describes 10 Sephirot (The 10 Divine emanations or attributes) that reveal the unknowable Godhead to the creations and channel the creative life-force to all levels of existence.

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(12) *“And Moshe said unto YHWH, See, You say unto me: Bring up this people. And You have not let me know, whom You will send with me. Yet You have said: I know you by name, and you have also found grace in My sight. Now therefore I pray You, if I have found grace in Your sight, show me now Your ways, that I may know You: to the end that I may find grace in Your sight, and consider that this nation is Your people.... And YHWH said unto Moshe: I will do this thing also that you have spoken, for you have found grace in My sight, and I know you by name. And he said, Show me, I pray You, Your glory”* Shemoth (Exodus) 33:12-13, 17-18.

(13) *“And fear not them which kill the body, but cannot kill the nefesh (body), but fear you Him which can destroy both nefesh and body in Gey Hinnom (Fire)”* Mattityahu (Matthew) 10:28.

(14) **Tao Te Ching** The Tao Te Ching), also known by its pinyin romanization Daode Jing, is a Chinese classic text traditionally credited to the 6th-century BC sage Laozi. The text's authorship, date of composition, and date of compilation are debated. The oldest excavated portion dates back to the late 4th century BC, but modern scholarship dates other parts of the text as having been written—or at least compiled—later than the earliest portions of the Zhuangzi.

The teachings of the Tao on the Forefather that is named the Tao and written by Lao-tzu from a translation by S. Mitchell.

The tao that can be told is not the eternal Tao. The name that can be named is not the eternal Name. The unnamable is the eternally real. Naming is the origin of all particular things. The Tao is like a well: used but never used up. It is like the eternal void: filled with infinite possibilities. It is hidden but always present. I don't know who gave birth to it. It is older than God. The Tao doesn't take sides; it gives birth to both good and evil. The Master doesn't take sides; she welcomes both saints and sinners. The Tao is like a bellows: it is empty yet infinitely capable. The more you use it, the more it produces; the more you talk of it, the less you understand. Hold on to the center. The Tao is called the Great Mother: empty yet inexhaustible; it gives birth to infinite worlds. It is always present within you. You can use it any way you want. The Tao is infinite, eternal. Why is it eternal? It was never born; thus it can never die. Why is it infinite? It has no desires for itself; thus it is present for all beings. The Master stays behind; that is why she is ahead. She is detached from all things; that is why she is one with them. Because she has let go of herself, she is perfectly fulfilled. Immersed in the wonder of the Tao, you can deal with whatever life brings you, and when death comes, you are ready. The Tao is ungraspable. How can her mind be at one with it? Because she doesn't cling to ideas. The Tao is dark and unfathomable. How can it make her radiant? Because she lets it. Since before time and space were, the Tao is. It is beyond is and is not. How do I know this is

true? I look inside myself and see. There was something formless and perfect before the Universe was born. It is serene. Empty. Solitary. Unchanging. Infinite. Eternally present. It is the mother of the Universe. For lack of a better name, I call it the Tao. It flows through all things, inside and outside, and returns to the origin of all things. The Tao is great. The Universe is great. Earth is great. Man is great. These are the four great powers. Man follows the Earth. Earth follows the Universe. The Universe follows the Tao. The Tao follows only itself. The world is formed from the void, like utensils from a block of wood. The Master knows the utensils, yet keeps to the block: thus she can use all things. The Tao can't be perceived. Smaller than an electron, it contains uncountable galaxies.

(15) According to Kaballah teaching, in the beginning, there was only Elohim, and nothing else existed. This all-encompassing Divine Presence or Light is called *Or EinSof* (the light of Infinity) since nothing but Elohim existed before creation when Elohim decided to create *yesh* (material creation) from its *Ein* (nothing), Elohim needed to “make space” or to “provide room” for that which was not Elohim (the otherness). Elohim, therefore “emptied himself” by contracting His infinite light to create conceptual space for the creation of the Universe. In a tremendous cosmic flash, Elohim then “condensed” into a point of infinite density and infinite energy called *Tzimtzum* (contraction) and “exploded out” of the Infinite Light is a picture of Elohim sacrificing Himself for the purpose of creation.

(16) **The number seven in Creation:** There are seven days in the week. Then there are seven continents in our world; Africa, Antarctica, Asia, Australasia, Europe, North America, and South America. There are seven great seas; Arctic Ocean, Antarctic Ocean, Indian Ocean, North Atlantic Ocean, South Atlantic Ocean, North Pacific Ocean, and the South Pacific Ocean. There are seven major plates in the Lithosphere (the outer crust of the Earth's surface) and several smaller ones. There are seven colors in a rainbow: Red, Orange, Yellow, Green, Blue, Indigo, and Violet. There are Seven States of matter in the Universe: Solid, Liquid, Gas, Plasma, Beam, Bose-Einstein Condensate (zero matter), and Thought Wave. There are seven heavens or celestial levels according to Jewish Kabalah. The Kabalah also teaches that there are seven parts to the human body; the head, the torso, two arms, two legs, and our sexual organ (*brit milah*). We have seven inlets in our head; two eyes, two ears, two nostrils, and one mouth. When we divide our body into two vertical sections, we have three inlets on each side, one ear, one eye, one nostril, and the mouth in the center, being the seventh. This is a picture of the menorah.

(17) **The Big Bang Theory:** is the prevailing cosmological model that describes the early development of the Universe. According to the Big Bang theory, the Universe was once in an extremely hot and dense state

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which expanded rapidly. This rapid expansion caused the Universe to cool and resulted in its present continuously expanding state. According to the most recent measurements and observations, the Big Bang occurred approximately 13.75 billion years ago, which is thus considered the age of the Universe. Wikipedia.

(18) "A renowned scientist says he has spotted evidence that a universe existed before the Big Bang. Professor Roger Penrose from Oxford University says concentric circles discovered in the background microwaves of the Universe provides evidence of events that took place before the Universe came into being. The cosmic microwave offers us a ghostly look at the Universe just 300,000 years after the Big Bang - a microscopic amount of time compared to the Universe's estimated age of 13.7 billion years. The research by Penrose, who was awarded the 1988 Wolf Prize along with Stephen Hawking for adding to our cosmic knowledge, adds evidence to the theory that the Universe has expanded ('the Big Bang') and contracted ('the Big Crunch') many times" Mail Online.

(19) It appears that there were other Worlds before this existing creation that had descended into chaos. The Midrash teaches that Elohim created 974 worlds and destroyed them all before creating this world (Genesis Rabba 3:9) Kabbalah and Chassidut teach that each world that was destroyed became the foundation of the subsequent world, providing the blueprint for its development. Interestingly The *Vedas*, the earliest texts on Indian philosophy and Hindu philosophy dating back to the late 2nd millennium BC, describe ancient Hindu cosmology, in which the Universe goes through repeated cycles of creation, destruction, and rebirth, with each cycle lasting 4320 million years.

(20) **Tohu:** Strong's Concordance Tohu (8414) from an unused root meaning to lie waste; a desolation (of the surface), i.e., desert fig. a worthless thing; adv. In vain confusion, empty place, without form, (nothing of) naught, vain, vanity, waste, and wilderness. Bohu (922) from an unused root (mean to be empty); a vacuity, i.e., an undistinguishable ruin – emptiness, void.

(21) Qorintyah Alef (First Corinthians) 14:33 "Because Eloah is not of confusion, but of shalom, as in all the assemblies of the Set-Apart-Ones."

(22) **Lucifer:** This word, transliterated *hêlêl* or *heylel*, occurs only once in the Hebrew Bible and according to Strong's Concordance means "shining one, morning star, Lucifer." The word *Lucifer* is taken from the Latin Vulgate, which translates לְיָלֵד as *Lucifer*, meaning "the morning star, the planet Venus" (or, as an adjective, "light-bringing"). Before the rise of Christianity, the pseudepigrapha of Enochic Judaism, which enjoyed much popularity during the Second Temple period, gave Satan an expanded role. They interpreted Yeshayahu (Isaiah)

14:12-15 as applicable to Satan, and presented him as a fallen angel cast out of Heaven. Christian tradition, influenced by this presentation, came to use the Latin word for "morning star," *Lucifer*, as a proper name ("Lucifer") for Satan as he was before his fall. As a result, "Lucifer has become a by-word for Satan in the Church and in popular literature.

(23) The Hebrew word for darkness in Beresheeth (Genesis) 1:2 is *Choshek*. This is an unnatural state of darkness and is not the normal darkness we experience every day when the Sun sets. This word is used in Shemoth (Exodus) 10:21-22 when YHWH cast darkness over Egypt which we know was not natural. This same word is used in Yeshayahu (Isaiah) 60:2 to refer to a "deep darkness" that would cover the Earth. It has the markings of dark matter.

(24) **Dark matter:** In astronomy and cosmology, dark matter is a type of matter hypothesized to account for a large part of the total mass in the Universe. Dark matter cannot be seen directly with telescopes; evidently, it neither emits nor absorbs light or other electromagnetic radiation at any significant level. Instead, its existence and properties are inferred from its gravitational effects on visible matter, radiation, and the large scale structure of the Universe. Dark matter is estimated to constitute 84% of the matter in the Universe and 23% of the mass-energy. Wikipedia.

(25) Rashi, the great medieval Jewish commentator, cites Talmudic teaching that Elohim hid the light after it was created because of the evil one. He hid for the righteous to use in the future (Rashi *Chagiga* 12a).

(26) Albert Einstein equation $E=MC^2$ (E (Energy) = M (mass) X C (Velocity of light) Squared).

(27) In the latter years of Einstein life, he spent much of his time working on the unified field theory, which he hoped would reveal the manner in which the four fundamental forces of the Universe- the electromagnetic force, the strong nuclear force, the weak nuclear force, and gravity are united. He made great progress in our understanding of these forces but was not able to unite the four forces into one coherent formula notwithstanding the fact that Science today accepts the idea of one unified theory, which they have renamed "the theory of everything." This idea is embodied in the concept of Echad.

(28) A **supernova** (abbreviated SN, plural SNe after supernovae) is a stellar explosion that is more energetic than a nova. Supernovae are extremely luminous and cause a burst of radiation that often briefly outshines an entire galaxy before fading from view over several weeks or months. During this short interval, a supernova can radiate as much energy as the Sun is expected to emit over its entire life span. The explosion expels much or all of a star's material at a velocity of up to 30,000 km/s (10% of the speed of light), driving a shock wave into the

surrounding interstellar medium. This shock wave sweeps up an expanding shell of gas and dust called a supernova remnant. Wikipedia.

(29) "But when came the fullness of the time, Eloah sent His Son, and He was from a woman, and was T'cheit Namosa (The Law): That those that are T'cheit Namosa, He might purchase and we might receive the adoption of sons. Now because you are sons, Eloah sent the Spirit of His Son to your hearts, which calls the Father, Our Father" Galutayah (Galatians) 4:4-6.

Barukh haba b'shaym יהוה, Halleluyah! Praised is He who comes in the name of יהוה!

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BETH

Shalom Aleichem (Peace be unto you),

Beth, The mystery of the Universe

The Universe is eternal. The Universe predates the big bang, and it is expanding in infinite space. The Universe exists in the Fore-Father and is sustained by the power of the Fore-Father. In this Article, the mystery of the Universe will be unraveled?

It is only in the last 100 years that Scientists have held the position that the Universe is not eternal, a theory that is encapsulated in the big bang model (1), although there are dissenting scientific views. Historically, however, the majority position up to the early 19th Century was that the Universe is eternal and that the Earth is the center of the Universe. This scientific idea in Western cosmology had its genesis in early Greek cosmology where Plato and Aristotle (c. 300 B.C) taught that the Universe was eternal and infinite, that the Earth was round and the center of the Universe. This is known as the Geocentric model of the Universe, which was subsequently abandoned with the invention of the Telescope and replaced by the Heliocentric model of the Universe, where the Sun is the center (2). This model of the Universe later expanded into the galaxy model when Scientists discovered that our Sun is only one of the billions of stars among millions of galaxies in the cosmos. Today, the cosmological emphasis now is on defining and understanding the concentric whole - the Universe as composing of an unknowable number of galaxies (3). Estimates at the best place the number of stars at 300 sextillion stars, a number that is astronomical beyond our immigration approaching Infinity (4). The latest development in Cosmology is the multiverse model (5), the idea that there are parallel Universes in the cosmos.

The idea that the Universe originated from a singularity in time (6) and expanded through inflation – the big bang may be good Science, but the idea of matter or energy immersing out of nothing (the Latin *ex nihilo*) (7) - the foundation of this theory is not Science but a leap of faith. One of the fundamental concepts of big bang physics is that no scientific statements can be made about anything prior to time zero. Why? Because we cannot make any scientific statements about anything before the existence of the present physical laws upon which Science is based. Instead, cosmological Science has become theological cosmology - a new religion where faith is mixed with Science. To fill in the “big unknown” in the big bang theory,

several hypotheses have been proposed by some of the most brilliant minds of today, which defy observable Science. Despite the many objections from the scientific community that there is a massive problem with a finite Universe, many refuse to accept the truth that the Universe is eternal because to do so will be an admission that the Scripture is the Truth. We will briefly look at some of these ideas before examining the creation model as explained in the Scriptures.

A widely supported hypothesis in modern physics in favor of ex nihilo creation (a universe the immersed out of nothing) is the zero-energy Universe which states that the total amount of energy in the Universe is exactly zero. That is the only kind of Universe that could come from nothing. Such a universe would have to be flat in shape, a state which does not contradict current observations that the Universe is flat with a 0.5% margin of error. (8) An interesting idea but according to Creation Scientists a growing movement of Scientist who believes in the Bible, the theory is fundamentally flawed. In his Article, *A Universe from nothing* Dr. Jake Hebert states, “that in order to scientifically verify the claim that the total energy content of the Universe is exactly zero, one would have to account for all the forms of energy in the Universe (gravitational potential energy, the relativistic energies of all particles, etc.), add them together, and then verify that the sum really is exactly zero. So the claim of a “zero energy” Universe is based not on direct measurements but upon an *interpretation* of the data through the filter of the Big Bang model. Despite the impressive academic credentials of those promoting the “universe from nothing” idea, the scenario is utterly unreasonable, and no Bible-believing Christian should be intimidated by these “vain imaginations.” Institute for Creation Research.

In the last Article on the mystery of God, it was mentioned that there is dissenting scientific research that this Universe did not immerge out of anything. See notation Alef 18. More

recently, the Hartle-Hawking model suggests that some eternal phenomenon was in place prior to the emergence of the present physical laws, and this phenomenon accounts for the origin of the Universe. Stephen Hawking calls this phenomenon "imaginary time" and, it is quite appropriately named. Given "imaginary time," Hawking hypothesizes that the Universe could have emerged out of nothing, all by itself, with no need for a Creator. *The Universe in a Nutshell* (Bantam Books, 2001) (9) One Scientist thinks he has found the answer that the form of Earth, stars, light, heat - was drawn out of the underlying quantum field consisting of photons, electrons, and quarks by the expansion of our Universe. (10) In other words, there was prior to the expansion of this Universe a quantum matrix of energy from which this present Universe was created not by a Supreme intelligence (the Creator) but by the operation of dark energy; where dark energy is a hypothetical form of energy that permeates all of space and tends to accelerate the expansion of the Universe. See notation Alef 24. At least, this idea does not presuppose the existence of a universe that was created out of nothing. However, there is one theory that is closer to the truth. A leading Cosmologist Sean Carrol believes that the big bang was not the beginning and that there may be a static Universe in the middle where there is no movement of time. His theory is called the arrow of time. Briefly, the arrow of times or time's arrow is the concept positing the "one-way direction" or "asymmetry" of time (11). The fact of the matter is that one can engage in all kinds of speculation here, but such speculation is not Science at all.

The addition of Quantum Physics (12) and the ideas of String Theory (13) in the quest to answer the question of the origin and the size of the Universe has taken this search to a world of make-believe. Instead of one Universe, the model now postulates an unknown amount of parallel Universes (multiverses) that exists alongside each other in infinite configurations and sizes where time and space as we know it may not exist. Our Universe is just one of countless

universes in this model, each doing its own thing. One group of Scientists employing the idea of multiverses where simultaneous Universes are existing in parallel to each other have calculated that the Universe at its current rate of expansion will end in 5 billion years, coincidentally the same time which the Sun is predicted to expire (14), there are other theories called the big crunch and the big rip which propose a 20 billion year time end (15). To align this idea with the first law of thermodynamics, the theory states that at that point, the Universe will undergo a second genesis as the first law prohibits it from annihilation. The point I want to make here is these ideas exist only in the world of theoretical mathematics, and any conclusion drawn from it is not supported by observable Science.

The idea of a human being originating from a brew of chemical reactions in a muddy pond of the kind envisaged by Charles Darwin is scientifically preposterous. Yet, it is no different to a Universe originating out of an explosion that originated from nothing, and to claim that this nothing may have immersed from a parallel Universe is beyond faith. It is utter stupidity being masked as Science! Matter or energy cannot come forth from nothing no matter how much Science attempts to "time phase" or theorized their equation; it is a physical impossibility! While scientists will undoubtedly continue to suggest what might have happened "if such and such were true," they cannot go back further than the moment of creation - actually a few moments after the creation when physical laws originated. The fact is that Science can make no authoritative statements about what might have preceded the Universe's creation since such statements would have no basis in physical law - This is a permanent limitation. Science at this point must lean its ear to the voice of the Torah - the Truth! The Scripture has already filled in the missing gaps for Science, and it does not teach ex nihilo creation or a finite Universe - an idea that Science should have abandoned long ago. The Universe is eternal and is constantly expanding into a matrix of infinite space, what we know as

dark matter. Under its self-perpetuating purpose, it continually brings forth new life, new planets, and galaxies - an idea called “the steady-state theory” (16). Interestingly the idea that our Universe is like a living organism that is growing and has a mind has been postulated as a scientific scenario (17).

The Universe existed prior to the six-day cycle of creation. The textual evidence from the Hebrew text confirms this. I will provide three Scriptural proofs. First, the structural evidence shows that the first two verses of Genesis do not belong in the time frame of the Creation story, which is the start of mediate creation (mediate creation refers to forming or fashioning of something out of existing materials. See notation 7. Each formative day of the mediate creation process begins with the phrase, “*And Elohim said. . .*” and ends with, “*And there was evening, and there was morning—the nth day.*” Such a formularized opening and closing is a familiar literary structure, called an “inclusio;” It shows where a segment starts and ends. When these structures are repeated as they are in these verses, they form a mnemonic symmetry - that is, a pattern that makes it easy to recognize where the breaks are in the text and make it easy to remember. Many are unaware that the Paleo Hebrew (18) that precedes the Masoretic Hebrew that is used in the Hebrew TaNaK does not contain paragraphs and grammatical structures like commas, full stops, parenthesis, etc., making it essential to understand the structure of the text. What the text shows is that the account of mediate creation does not start until verse three. Therefore verses one and two are not part of mediate creation. It is also clearly not a heading or a summary of the events outlined in succeeding verses, but they are intricately connected to the subject matter of the subsequent verses.

Second, the contents of verses one and two clearly show that there is a sequential or progressive relationship

between immediate (*nihilo*) creation and mediate creation. We see a defined order in the creation process where matter is not created out of nothing. According to Creation advocate Sam A Smith; “What is “dark” in verse 2 is illuminated in verse 3, what is “formless” in verse 2 is formed and fashioned in verses 3-31, what is “empty” in verse 2 is filled with living things in verses 11-31. This sequential progression plainly indicates that Genesis 1:1-2 describes activity (v. 1) and a state (v. 2) prior to the first formative day. That being the case, we can say with assurance that the original creation *ex nihilo* (recorded in verse 1) took place before the first of the six formative days began. This is confirmed to us by the fact that there is no indication of *ex nihilo* creation during the six-day period.” What the Bible actually says about the origin of the Universe. In referring to *ex nihilo* creation, the writer here is speaking of immediate creation where the Creator takes what is already formed and reforms it. For this reason, it would be better to refer to this type of pre-creation act of YHWH as *Alef Creation* (first creation) and the after-creation acts of YHWH as *Beth Creation*. Using these terms, we connect YHWH creation acts with the authority and laws He put into place to govern all creation.

Finally, the Hebrew word for creation in Genesis one is the word *bara*, which was carefully chosen here to exemplify the type of creation that is not mediate creation. “*In the beginning, Elohim created (bara) the Heaven and the earth.*” In other words, the word *bara* fits the idea of Alef Creation. If it was the author's intention to show that this was Beth Creation, the Hebrew word *asah* would have been employed instead. The word *asah* has a much narrower meaning than the word *bara*; It is only used of Beth Creation. In the Genesis account, it occurs in 1:7, 16, 25, 26, and 31. The difference in application between *bara* and *asah* becomes very distinctive when we see *asah* as the chosen word for Shemoth (Exodus) 20:11. “*For in six days, YHWH made (asah) Heaven and earth; the sea, and all that in them is and rested on the seventh day. Wherefore YHWH*

blessed the Sabbath day and Set-It-Apart.” In this text, we clearly see *asah* as describing Beth Creation that took within the six-day creation process. In the context of Genesis, it would seem that Genesis one and two are describing another time of creation that existed outside of the creative process of the six-day story. What then occurred without adding to the speculation of theoretical cosmology? To answer this, we must turn again to the only source of truth in this matter - the Hebrew Scriptures.

The key to understanding the progression of creation is described in the Hebrew words *tohu* (formless) and *bohu* (void), which I have already explained in the previous heading. In summary, before the Beth Creation period, the Universe had come to a “standstill,” and the Universe was motionless. The law of entropy (the second law of thermodynamics) had been suspended but not the first law of thermodynamics. This explains why the useful energy of the Universe had not reached the point of zero, because it was frozen in its cosmic tracks. Time had literally come to a standstill, and the Universe was completely lifeless. The argument to the contrary is that if the Universe was eternal then there should have been a natural progression to a zero state, meaning that if the universe were infinite in all directions, there should be stars at every point in the sky (at some distance), and if it were eternal, there would have been time for the light from all those stars to reach the earth. Therefore, if the universe were infinite and eternal, the night sky should be much brighter, and perhaps we could see the edge of the Universe. This is just another example of stupidity.

The fact is what we are observing today in the visible Universe is the result of “the cosmic freeze.” The space-time continuum was disrupted because of an event that occurred in the realm of angelic beings that caused desolation. It recorded in the Hebrew Scriptures and the Dead Sea Scrolls that war broke out in the Universe between angelic forces, which caused desolation in the

Universe, resulting in the state described in Beresheeth (Genesis) 1 - bohu and tohu (19). If we superimpose upon this event the current scientific data of the age of the Universe, we can factually state that this freeze was unfrozen somewhere between 13.75 ± 0.17 billion years ago at the moment of the big bang.

When the big bang occurred, an event that is now beyond scientific dispute, the incalculable power and force of this explosion did not create matter out of nothing, but it literally re-ignited existing matter in the Universe, which had become dense darkness. Potential energy in the form of gasses appearing as planets and nebulae had liquefied prior to the big bang due to an extreme drop in Universes temperature. Dark energy had overwhelmed the Universe, which significantly aged the Universe; temperatures in the absence of light caused the rapid decay of matter. The explosion of the big bang ignited the dormant creations, and light again emanated in our dark Universe. This explains why there was light on the earth before the sun was created on the third day. Initially, our sun was not ignited until two days had lapsed because it required time for the "spark" from the explosion to reach our galaxy, which had become motionless. The arrival of the spark enabled the re-ignition of the sun, which took some time to complete because the sun's gasses had become frozen at an extreme temperature. The infinitely powerful shock wave from the big bang created the kinetic energy required to re-orbit the planets and the galaxies that had become void or still as a result of the freeze. In Beresheeth (Genesis) 2, we are told that 'darkness was upon the face of the deep.' An equally acceptable translation of this verse is that 'there was stillness in deep space,' i.e., zero motion and zero gravity with the creation of motion immersed gravity and magnetic energy the foundation of time and space. Literally, the clock started to run again! Technically, this was time zero time, as I will show later with Newton's law.

This sheds light on this mystery of this present Universe, but it does not answer the ancient question; how was our Universe formed prior to Alef Creation, and when did it happen? This is where it becomes scientifically impossible, never the less explainable. It must be pointed out that the Hebrew Scriptures are silent in this respect, but there is evidence from other ancient sources that unravels the mystery. I turn to the Hag Hammadi Scriptures for guidance here. Interestingly we find that the origin of the Universe was as much an issue in first-century Palestine as it is today. A disciple of Yeshua named Judah had inquired of the Messiah concerning this question. *“Judah said, “Tell (us) master, what (existed) before (Heaven and) earth came into being. The Master said, “There was darkness and water, and spirit upon (water)”* The Hag Hammadi Scriptures p 304.

What can we scientifically construct from this statement? The two tangible things present at Alef Creation are darkness and water. Thus we can conclude the first thing YHWH created was dark energy! See notation Alef 24. The second thing He created was H₂O (water). Dark matter is estimated to constitute 84% of the matter in the universe and 23% of the mass-energy. Water and dark energy is the underlying foundation of all life but what is not understood is that it is also the underlying foundation of mediate matter. All materials things were created from dark energy and water. Water, as we know, has three states, gas, liquid, and solid. It is a scientific fact the human body is made up of mostly water, H₂O, with cells consisting of 65-90% water by weight. (20) Our soul is clothed in a body of mostly water, and the rest are trace elements that give it its color and appearance. It is the combination of water and dark energy that formed the foundation of the earth. Many of the nebulae and clusters that we observe in the universe are composed of water and dark energy that transition to becoming planets or galaxies. Some of it are vestiges of the cosmic bang and the war that decimated the Universe.

Dark matter and water were the first two things Elohim Created to form the visible Universe. If we take this base understanding a step further, we then have to ask what did the Creator use to create the first two. Again the Scripture provides the answer. I turn to a Renewed covenant writing called the Gospel of Peace (21) of which was translated from an Aramaic source. Wherefore it provides the following insight;

“For as it is written, in the beginning, was the Sound, and the Sound was with God, and the Sound was God.”

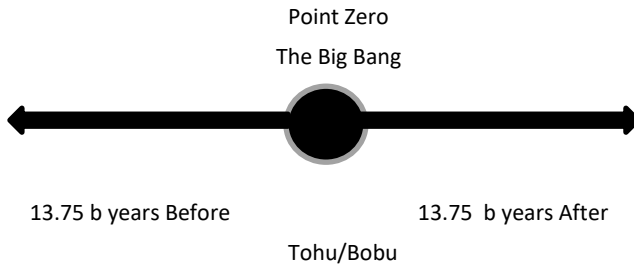
“It was this Sound which formed the earth and the world, and brought forth the mountains, and set the stars in their thrones of glory in the highest heavens.”

The agent of all creation is sound! All creation is essentially sound, the Universe is sound, and it resonates sound consistently. Light itself is sound, and darkness is noise. Nothing is lifeless as we perceive it; even the empty spaces between subatomic particles are not empty as Scientist have recently discovered and have called these elementary particles “strings” (1-dimensional oscillating lines). See notation Beth 13. Sound is the foundation of String theory. Emptiness or darkness is filled with noise which cannot be scientifically measured because noise is the opposite of sound. Silence is a state of perfect harmony and is not the opposite of sound. Sound is not just a simple waveform; it is a carrier of vision. Ninety percent of the Universe is noise or, more precisely, negative energy. Darkness is essentially noise where noise is a vibration that has no pattern or order to it to be empirically measured hence why no scientific instrument can measure its frequency. Noise in its simplicity is confusion – tohu/bohu.

On the other hand, matter and light produce ordered or patterned vibrations consistently because it is positive energy and can be measured. What is not understood is that sound itself creates material identity. Sound, once

synthesized as a specific tune, shapes physical matter; when the tune changes, the object's appearance also changes. If sound were to disappear, YHWH forbid not, all of the seen and unseen world would disappear in an instant, and YHWH would remain as Elohim is, without beginning or ending just Echad.

When did YHWH utter the first sounds that created the Universe? The ancient writings at this point do not provide an answer, but the laws of science here can solve this mystery. We can make a theoretical estimate based upon the laws of motion (22) as discovered by Sir Isaac Newton. Particularly law number three states; When a first body exerts a force F_1 on a second body, the second body simultaneously exerts a force $F_2 = -F_1$ on the first body. This means that F_1 and F_2 are equal in magnitude and opposite in direction. The premise is simple. According to our best scientific estimate, the Big Bang occurred approximately 13.75 billion years ago, the start of Beth Creation; if we then apply Newton's law Alef Creation (A_c) occurred 13.75 billion years before the big bang.



This would place the “theoretical” age of our Universe at approximately 27.5 billion years ago. We can encapsulate this law in the following equation $A_c = B_c$, where $A_c + B_c = \text{Age of the Universe (Uni age)}$. The challenge with this estimate is that it includes a time period prior to the Big Bang in which time and motion “was not”; therefore, we must factor in an unknown dimension where a lifeless eternity existed at one stage that dominated the state of the

Universe. We can represent this phase of the Universe in the equation $A_c/B_c = \text{Infinity}$. A state of the Universe we know is called *tohu and bohu*, which science cannot empirically measure.

$A_c + B_c - (A_c - B_c = \text{Alef Zero}) = \text{Uni age}$

An equally difficult aspect of the Universe to determine is its actual shape due to its infinite capacity. There's a continuing debate among astronomers regarding the shape of the Universe. There are three possibilities; flat, open, and closed. For purposes of visualization, you could picture a sheet of paper for the flat-shaped model, a saddle for the open, and a sphere for the closed. The most widely accepted model supports that of a flat Universe (23). This has been confirmed through accurate measurements made by WMAP (Wilkinson Microwave Anisotropy Probe). This spacecraft maps out the differences in temperature of the cosmic microwave background radiation (CMBR) across the entire sky. These results, which have a 0.5% margin of error, were released in 2008. This conclusion would be superfluous to suggest an alternative had not recent discoveries suggested other possibilities. There is a reason to believe that the Universe is spherical, as earlier models had suggested. Two phenomena in the Universe show that our observable Universe may be part of the surface of a sphere; the observation of dark flow (24) and a cold spot (25). The data shows that there is a systematic movement of galaxies to one side of the Universe, a dark flow of sort. Further, there is a region of the Universe where there is no inflation - a cold spot. We are observing a pole in the surface of the Universe, which suggests that there is an opposite pole that suggests a spherical Universe (26). Interestingly a group of String theorist astronomers has confirmed that the satellite data shows evidence of an opposite pole. Still, to String theorists, this cold spot is confirmation of the existence of a parallel Universe (27). Again as stated earlier, the idea of parallel Universes is beyond observable science.

Our limitation in our observation of the Universe, even with our advanced technology, is analogous to that of early Greek explorers who thought that the Earth was flat due to a limitation in their scientific knowledge but not in their intuitive capability. It is a fact that our telescopic technology cannot see events earlier than about 380,000 years after the Big Bang, when the Universe became transparent (the Cosmic Microwave Background); this corresponds to the particle horizon at a distance of about 46 billion light-years. This provides a known limitation in our scientific data but not in our intuitive capability.

To go beyond this technological limit, we must turn to the Scriptures for divine insight. The Scripture provides a spiritual principle upon which we can gain an understanding of the structure of the Universe - It states, "*As it is within so it is without. As on the right so on the left. As before, so it is behind. As with the great so with the small. What is above is beneath*" (28). This is called the reflection principle - the name "reflection principle" comes from the fact that properties of the universe of all sets are "reflected" down to a smaller set. With this principle and the knowledge that the Universe is infinite, we can determine its theoretical structure, which is currently outside the area of observable science.

The Universe is a mirror opposite of the Earth and our Milky Way on a macro level. The Universe is a globe-like structure that revolves in infinite space in a galaxy of other Universes. This is not the model that String Theorists have suggested where there are multiple universes operating in parallel to each other, each governed by their own independent set of natural laws. Instead, the reflection principles posit a concentric whole where universes operate in the planetary configuration under a single universal set of physical laws sustained by the first words of the Fore-Father. In time through intuitive thinking, we will discover the peripherals of these Universes when man realizes that some things science and technology cannot answer.

He who has an ear let him understand the mystery!

Appendix

(1) **The Big bang model.** According to the prevailing scientific model of the universe, known as the Big Bang, the universe expanded from an extremely hot, dense phase called the Planck epoch, in which all the matter and energy of the observable universe was concentrated. Since the Planck epoch, the universe has been expanding to its present form, possibly with a brief period (less than 10–32 seconds) of cosmic inflation. Several independent experimental measurements support this theoretical expansion and, more generally, the Big Bang theory. Recent observations indicate that this expansion is accelerating because of dark energy and that most of the matter in the universe may be in a form that cannot be detected by present instruments, called dark matter. The common use of the "dark matter" and "dark energy" placeholder names for the unknown entities purported to account for about 95% of the mass-energy density of the universe demonstrates the present observational and conceptual shortcomings and uncertainties concerning the nature and ultimate fate of the universe. Current interpretations of astronomical observations indicate that the age of the universe is 13.75 ± 0.17 billion years, (whereas the decoupling of light and matter, see CMBR, happened already 380,000 years after the Big Bang) and that the diameter of the observable universe is at least 93 billion light years or 8.80×10^{26} meters. According to general relativity, space can expand faster than the speed of light, although we can view only a small portion of the universe due to the limitation imposed by light speed. Since we cannot observe space beyond the limitations of light (or any electromagnetic radiation), it is uncertain whether the size of the universe is finite or infinite. Wikipedia.

(2) **Ptolemy's geocentric model of the cosmos.** The first scientific coherent model of the Universe was proposed by Claudius Ptolemaeus (Ptolemy) around 150 AD, which was based on the idea of Aristotle that the earth was round. Elaborating on Aristotle's ideas Ptolemy was the first to come up with a complete cosmological model. He thought that the Earth was stationary at the center of the universe and that the Sun, the stars, and all planets revolve around it in circular orbits. Hence, the model is sometimes referred to as the geocentric system. Ptolemy was aware that the postulation of perfect circular orbits contradicted observation, because the planets' motion, size, and brightness varied with time. To account for the observed deviations, he introduced the idea of epicycles, smaller circular orbits around imaginary centers on which planets were supposed to move while describing a revolution around Earth. This enabled astronomers to make reasonably accurate predictions about the movement of the celestial bodies, and consequently, the Ptolemaic

model was a great success. The system was later adopted by the Christian Church and became the dominant cosmology until the 16th century. In 1514 the Polish astronomer Nicolaus Copernicus (1473-1543) put forward an alternative model, referred to as **the heliocentric system**, in which the Sun is at the center of the universe, and all planets, including Earth, revolve around it. The further apart a planet is from the Sun, the longer it takes to complete a revolution. Copernicus said that the ostensible movement of the Sun is caused by the Earth rotating around its north-to-south axis. The heliocentric system got rid of Ptolemy's obscure epicycles, whose main weakness was that they did neither account for the observed backward motion of Mars, Jupiter, and Saturn nor for the fact that Mercury and Venus never moved more than a certain distance from the Sun. Unfortunately, the Copernican system was not inherently simpler than the geocentric system; and it did not immediately render more accurate calculations of the planet's motion. The end of the Ptolemaic theory came with the invention of the telescope. With the help of this device, Galileo Galilei (1564-1642) discovered the four largest Jupiter moons. The existence of these moons demonstrated beyond doubt that not all celestial bodies revolve around the Earth, contrary to Ptolemy's theory. Galileo confirmed the Copernican model and thus initiated a scientific revolution of great importance, much to the discontent of the Roman Catholic Church. Unsurprisingly, Galileo struggled with church authorities during much of his lifetime. In 1594 the German astronomer Johannes Kepler (1571-1630) refined the heliocentric model in his book *Mysterium Cosmographicum* by showing that planets move on elliptical, rather than circular orbits. Kepler also prepared the idea of gravity by explaining that the Sun exerts a force on planets that diminishes inversely with distance and causes them to move faster on their orbits, the closer they come to the Sun. This theory finally allowed predictions that matched observations. History of the Universe.

(3) **Unknown number of Galaxies.** Astronomers think that there are hundreds of billions of galaxies in the universe. However, the exact number is not known. But astronomers should know how many galaxies we've actually seen and discovered, right? Well, not necessarily. "We don't know," says Ed Churchwell, professor of astronomy at the University of Wisconsin-Madison. "We know it's a very large number." In just one image, for example, the Hubble Ultra Deep Field, above, there are about 10,000 galaxies visible.

Read more: <http://www.universetoday.com/36610/how-many-galaxies-have-we-discovered/#ixzz29y30FRAh>

Number of large galaxies in the visible universe = 350 billion. Number of dwarf galaxies in the visible universe = 7 trillion. Number of stars within our galaxy = 200 billion.

(4) **Infinity:** The universe is immensely large and possibly infinite in volume. The region visible from Earth (the observable universe) is a sphere with a radius of about 46 billion light years, based on where the

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expansion of space has taken the most distant objects observed. For comparison, the diameter of a typical galaxy is only 30,000 light-years, and the typical distance between two neighboring galaxies is only 3 million light-years. As an example, our Milky Way Galaxy is roughly 100,000 light years in diameter, and our nearest sister galaxy, the Andromeda Galaxy, is located roughly 2.5 million light years away. There are probably more than 100 billion (10^{11}) galaxies in the observable universe. Typical galaxies range from dwarfs with as few as ten million (10^7) stars up to giants with one trillion (10^{12}) stars, all orbiting the galaxy's center of mass. A 2010 study by astronomers estimated that the observable universe contains 300 sextillions (3×10^{23}) stars. Wikipedia.

(5) **The multiverse** (or **meta-universe**) is the hypothetical set of multiple possible universes (including the historical universe we consistently experience) that together comprise everything that exists and can exist: the entirety of space, time, matter, and energy as well as the physical laws and constants that describe them. The term was coined in 1895 by the American philosopher and psychologist William James. The various universes within the multiverse are sometimes called parallel universes. Wikipedia.

(6) **Singularity**: A point of infinite density occupying zero volume-and that in the first split second the tiny seed containing all the mass and energy in the observable Universe went through a period of exponential expansion, known as inflation. The key feature of inflation is that it stretches space-time-the three dimensions of space together with time-by a very large amount, smoothing out any irregularities that are present. Wikipedia.

(7) Ex nihilo

Creation ex nihilo: The terms “ex” and “nihilum” are Latin, and when put together mean, “out of nothing.” Creation *ex nihilo* refers to the original creation of time, matter, energy, space, gravity, etc. It does not refer to the subsequent forming or shaping of matter after its original creation.

Immediate creation: Immediate creation is simply another term for creation *ex nihilo*, and the two terms are completely interchangeable. Immediate creation signifies that God brought something into existence directly—as opposed to forming something that already existed.

Mediate creation: Mediate creation refers to forming (or fashioning) something out of existing materials. The creation of Adam and Eve are examples of mediate creation, since God did not produce man out of nothing, but rather out of the dust of the earth (which he had previously created), and woman out of man.

(8) **The zero-energy universe**; the zero-energy universe hypothesis states that the total amount of energy in the universe is exactly zero. When the energy of the universe is considered from a pseudo-

tensor point of view, zero values are obtained in the resulting calculations. The amount of positive energy in the form of matter is exactly canceled out by the negative energy in the form of gravity. Wikipedia.

(9) **Time and the Big Bang** Stephen Hawking, in particular, have addressed a connection between time and the Big Bang. In *A Brief History of Time* and elsewhere, Hawking says that even if time did not begin with the Big Bang and there were another time frame before the Big Bang, no information from events then would be accessible to us, and nothing that happened then would have any effect upon the present time-frame. Upon occasion, Hawking has stated that time actually began with the Big Bang and that questions about what happened *before* the Big Bang are *meaningless*. This less-nuanced, but commonly repeated formulation has received criticisms from philosophers such as Aristotelian philosopher Mortimer J. Adler. Scientists have come to some agreement on descriptions of events that happened 10^{-35} seconds after the Big Bang, but generally, agree that descriptions about what happened before one Planck time (5×10^{-44} seconds) after the Big Bang are likely to remain pure speculation.

(10) **Quantum fields** “What happened *immediately before* the Big Bang? The answer to this question is important for understanding some observations in astronomy. How can energy be created out of nothing, and how is it continuing to increase as the universe expands? I quoted Seth Lloyd (2006) in Part 7: “Quantum mechanics describes energy in terms of quantum fields, a kind of underlying fabric of the universe, whose weave makes up the elementary particles - photons, electrons, quarks. The energy we see around us, then - in the form of Earth, stars, light, heat - was drawn out of the underlying quantum fields by the expansion of our universe. Gravity is an attractive force that pulls things together... As the universe expands (which it continues to do), gravity sucks energy out of the quantum fields. The energy in the quantum fields is almost always positive, and this positive energy is exactly balanced by the negative energy of gravitational attraction. As the expansion proceeds, more and more positive energy becomes available, in the form of matter and light - compensated for by the negative energy in the attractive force of the gravitational field.” Apart from quantum-mechanical effects and the gravitational interaction, other dominant factors in the early stages were the immensely high temperatures and pressures. In the beginning, it was all radiation and no matter. And the energy content and the information content were very small. The energy content and the information content built up as the universe expanded and extracted more and more energy out of the underlying quantum fabric of space and time. According to the current theories, the energy grew very rapidly in the beginning (by a process called *inflation*), and the amount of information grew less rapidly. Immediately after the Big Bang,

there was a hot plasma of elementary particles, which expanded and cooled very quickly. In fact, the first structures got formed within a fraction of a second after the explosion. Protons and neutrons were formed from quarks. One minute after the Big Bang, helium nuclei were formed. Soon, a full 24% of all matter was in the form of helium nuclei. Radiation interacts primarily with ions (rather than atoms). A few tens of thousands of years after the Big Bang, the first electrically neutral matter was formed when protons and electrons combined to form atoms of hydrogen. This marked the separation of electrically neutral matter from radiation. On further cooling, gravitational effects became more and more important, as electrically neutral atoms could now clump together because of gravitational attraction. This clumping went on to produce galaxies ultimately. Vinod K. Wadhawan, Complexity Explained: 17. Epilogue, Nirmukta.

(11) What is the arrow of time?

The past is different from the future. One of the most obvious features of the macroscopic world is *irreversibility*: heat doesn't flow spontaneously from cold objects to hot ones, we can turn eggs into omelets but not omelets into eggs, ice cubes melt in warm water, but glasses of water don't spontaneously give rise to ice cubes. We remember the past, but not the future; we can take actions that affect the future, but not the past (we can't undo our mistakes). We are all born, then age, then die; never the other way around. The distinction between past and future seems to be consistent throughout the observable universe. The arrow of time is simply that distinction, pointing from past to future. Why is there such an arrow? Irreversible processes are summarized by the Second Law of Thermodynamics: the entropy of a closed system will (practically) never decrease into the future. It's a bedrock foundation of modern physics. What's "entropy"? Entropy is a measure of the *disorder* of a system. A nice organized system, like an unbroken egg or a neatly-arranged pile of papers, has a low entropy; a disorganized system, like a broken egg or a scattered mess of papers, has a high entropy. Left to its own devices, entropy goes up as time passes. Sean Carrol.

(12) Quantum physics (alternatively Quantum Mechanics) is a branch of science that deals with discrete, indivisible units of energy called quanta as described by the Quantum Theory. There are five main ideas represented in Quantum Theory:

1. Energy is not continuous but comes in small but discrete units.
2. The elementary particles behave both like particles *and* like waves.
3. The movement of these particles is inherently random.
4. It is *physically impossible* to know both the position and the momentum of a particle at the same time. The more precisely one is known, the less precise the measurement of the other is.
5. The atomic world is *nothing* like the world we live in.

While at a glance this may seem like just another strange theory, it contains many clues as to the fundamental nature of the universe and is

more important than even relativity in the grand scheme of things (if any one thing at that level could be said to be more important than anything else). Furthermore, it describes the nature of the universe as being much different than the world we see. As Niels Bohr said, "Anyone who is not shocked by quantum theory has not understood it" Oracle Think Quest.

(13) **String theory** is an active research framework in particle physics that attempts to reconcile quantum mechanics and general relativity. It is a contender for a theory of everything (TOE), a self-contained mathematical model that describes all fundamental forces and forms of matter. String theory posits that the elementary particles (i.e., electrons and quarks) within an atom are not 0-dimensional objects, but rather 1-dimensional oscillating lines ("strings"). The earliest string model, the bosonic string, incorporated only bosons, although this view developed to the superstring theory, which posits that a connection (a "supersymmetry") exists between bosons and fermions. String theories also require the existence of several extra dimensions to the universe that has been compactified into extremely small scales, in addition to the four known spacetime dimensions.

(14) **Theory of Eternal Inflation** "Our universe has existed for nearly 14 billion years, and as far as most people are concerned, the universe should continue to exist for billions of years more. But according to a new paper, there's one theory for the origins of the universe that predicts time itself will end in just five billion years—coincidentally, right around the time our sun is slated to die. The prediction comes from the theory of eternal inflation, which says our universe is part of the multiverse. This vast structure is made up of an infinite number of universes, each of which can spawn an infinite number of daughter universes... If probabilities are to work in a multiverse, there must be actual cutoffs that bring various universes to their ends, study leader Bousso says. According to the formulas used to calculate cutoffs, a universe that is 13.7 billion years old will reach its cutoff in about 5 billion years; his team concludes" Ker Than for National Geographic News 2010.

(15) **The Big Crunch or the big rip?** In physical cosmology, the Big Crunch is one possible scenario for the ultimate fate of the universe, in which the metric expansion of space eventually reverses, and the universe recollapses, ultimately ending as a black hole singularity. Most experts believe the amount of matter in the universe will cause the expansion of the universe to slow down - and the universe may even contract once again to a single point, causing another Big Bang. But if there's enough dark energy in the universe, it could keep expanding indefinitely, leading to the Big Rip. The Big Rip is a cosmological hypothesis first published in 2003 by Caldwell, Robert R.; Kamionkowski, Marc and Weinberg, Nevin N, about the ultimate fate of the universe, in which the matter of the universe, from stars and galaxies to atoms and

subatomic particles, is progressively torn apart by the expansion of the universe at a certain time in the future. Theoretically, the scale factor of the universe becomes infinite at a finite time in the future. The Big Rip scenario is based on astronomical observations made in the late 1990s according to which a mysterious force, labeled dark energy, is responsible for the expansion of the universe. Dark energy makes up 73% of the universe. If the rate of acceleration increases, there will be a point in time at which the repulsive force becomes so strong that it overwhelms gravity and the other fundamental forces. According to Caldwell, this will happen in 20 billion years. "The expansion becomes so fast that it literally rips apart all bound objects," Caldwell explains. "It rips apart clusters of galaxies. It rips apart stars. It rips apart planets and solar systems. And it eventually rips apart all matter." Even atoms would be torn apart in the last 10-19 seconds before the end of time. —Whether or not this scenario will become true is to be decided by future research. Until then, the field is open to speculation.

(16) **Steady-state theory**, in cosmology, a view that the universe is always expanding but maintaining a constant average density, with matter being continuously created to form new stars and galaxies at the same rate that old ones become unobservable as a consequence of their increasing distance and velocity of recession. A steady-state universe has no beginning or end in time, and from any point within it the view on the grand scale—i.e., the average density and arrangement of galaxies—is the same. Galaxies of all possible ages are intermingled. The theory was first put forward in 1948 by British scientists Sir Hermann Bondi, Thomas Gold, and Sir Fred Hoyle. It was further developed by Hoyle to deal with problems that had arisen in connection with the alternative big-bang hypothesis Encyclopaedia Britannica.

(17) **Is The Universe Alive?** The cosmos itself may be a superorganism, a collection of separate bodies that act like a single being — just like ants in a colony. One scientist believes cities are superorganisms and perhaps our universe is a super-scaled up version of these metropolises. One bold thinker hypothesizes that our universe may have emerged from a set of laws similar to biological evolution. Like we pass DNA from parent to child, the cosmos may also produce offspring that inherit its genetic makeup. And the seeds of these cosmic births could exist inside black holes, the endpoints in the death of massive stars. If the universe is a replicating, living being, one visionary thinks he's found its pulse. Energetic particles called neutrinos may propel our universe to expand and contract every trillion years — like a slow beating heart — as it moves from one life cycle to another. And if it has a heart, it must have a brain. Our universe could function like a giant quantum computer, processing and storing information on everything we see around us. And we might be able to find its program. Science Discovery Communications.

(18) **The Paleo-Hebrew alphabet** (Hebrew: הכתב העברי הקדום) (Yiddish: כתב עברי) is an abjad offshoot of the ancient Semitic alphabet and closely related to the Phoenician alphabet from which it descends. It dates to the 10th century BCE or earlier. It was used as the main vehicle for writing the Hebrew language by the Israelites, who would later split into Jews and Samaritans. It began to fall out of use by the Jews in the 5th century BCE when they adopted the Aramaic alphabet as their writing system for Hebrew, from which the present Jewish "square-script" Hebrew alphabet descends. The Samaritans, who now number less than one thousand people, continue to use a derivative of the Old Hebrew alphabet, known as the Samaritan alphabet.

(19) **War in Heaven.** The Book of Revelation describes a war in Heaven between angels led by the Archangel Michael against those led by "the dragon," identified as the devil or Satan, who are defeated and thrown down to the earth. Revelation's war in Heaven is related to the idea of fallen angels, and possible parallels have been proposed in the Hebrew Bible and the Dead Sea Scrolls. : Revelation 12. "Then war broke out in Heaven. Michael and his angels fought against the dragon, and the dragon and his angels fought back. 8 But he was not strong enough, and they lost their place in Heaven. 9 The great dragon was hurled down—that ancient serpent called the devil, or Satan, who leads the whole world astray. He was hurled to the earth, and his angels with him" (Revelation 12:7–10 (NIV). Parallels are drawn to the passage in Isaiah 14:4-17 that mentions the "son of the morning" that had "fallen from Heaven" and was "cast down to the earth." In verse 12 of this passage, the Hebrew word that referred to the morning star was translated into Latin as Lucifer. Some scholars discern the concept of a war in Heaven in certain Dead Sea Scrolls, namely, the War of the Sons of Light Against the Sons of Darkness, also known as the War Scroll (1QM and 4Q491-497), the Songs of the Sabbath Sacrifice, Song 5 (4Q402), and the Melchizedek document (11Q13). Wikipedia.

Dead Sea Scrolls: In the War Scroll, according to Menahem Mansoor, the angels of light, who are identified with Michael, the prince of light, will fight in Heaven against the angels of darkness, who are identified with Belial, while the Sons of Light fight the Sons of Darkness on earth, and during the last of the seven battles described in the scroll will come and help the Sons of Light win the final victory. James R. Davila speaks of Song 5 of the Songs of the Sabbath Sacrifice as describing "an eschatological war in Heaven similar to that found in 11Q13 and to traditions about the archangel Michael in the War Rule and the book of Revelation". He suggests that Melchizedek, who is mentioned both in the Melchizedek document and the fifth of the Songs of the Sabbath Sacrifice, maybe a divine warrior who is involved in the conflict with the archangel Michael in the futurist sense. That the Melchizedek document (11Q13) concerns a war in Heaven is denied by Fred L. Horton, who remarks that "there is no hint in the extant portion of the 11Q Melchizedek of a revolt of heavenly beings against the heavenly council,

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and the only dissenting spirit is the traditional Belial"; the view of Davila, however, is that the document originally was about an eschatological war in Heaven, with Melchizedek as angelic high priest and military redeemer.

(20) Most of the human body is made up of water, H₂O, with cells consisting of 65-90% water by weight. Therefore, it isn't surprising that most of a human body's mass is oxygen. Carbon, the basic unit for organic molecules, comes in second. 99% of the mass of the human body is made up of just six elements: oxygen, carbon, hydrogen, nitrogen, calcium, and phosphorus.

Oxygen (65%)

Carbon (18%)

Hydrogen (10%)

Nitrogen (3%)

Calcium (1.5%)

Phosphorus (1.0%)

Potassium (0.35%)

Sulfur (0.25%)

Sodium (0.15%)

Magnesium (0.05%)

Copper, Zinc, Selenium, Molybdenum, Fluorine, Chlorine, Iodine,

Manganese, Cobalt, Iron (0.70%)

Lithium, Strontium, Aluminum, Silicon, Lead, Vanadium, Arsenic, Bromine (trace amounts)

(21) **The Gospel of Peace** was first published as a gospel in 1977. It was translated from Original Hebrew and Aramaic Texts Translated and edited by Edmond Bordeaux Szekely in 1937 which exist in the Secret Archives of the Vatican and in old Slavonic in the Royal Archives of the Habsburg (now the property of the Austrian Government).

(22) **Newton's laws of motion** are three physical laws that form the basis for classical mechanics. They describe the relationship between the forces acting on a body and its motion due to those forces. They have been expressed in several different ways over nearly three centuries, and can be summarized as follows:

First law: If an object experiences no net force, then its velocity is constant: the object is either at rest (if its velocity is zero), or it moves in a straight line with constant speed (if its velocity is nonzero).

Second law: The acceleration a of a body is parallel and directly proportional to the net force F acting on the body, is in the direction of the net force, and is inversely proportional to the mass m of the body, i.e., $F = ma$.

Third law: When a first body exerts a force F_1 on a second body, the second body simultaneously exerts a force $F_2 = -F_1$ on the first body.

This means that F1 and F2 are equal in magnitude and opposite in direction.

The three laws of motion were first compiled by Sir Isaac Newton in his work *Philosophiæ Naturalis Principia Mathematica*, first published in 1687.

(23) **The shape of the universe** is a matter of debate in physical cosmology over the local and global geometry of the universe, which considers both curvature and topology, though, strictly speaking, it goes beyond both. In practice, more formally, the debate seeks a 3-manifold that corresponds to the spatial section (in comoving coordinates) of the 4-dimensional space-time of the universe. The recent Wilkinson Microwave Anisotropy Probe (WMAP) measurements have led NASA to state, "We now know that the universe is flat with only 0.5% margin of error."

http://map.gsfc.nasa.gov/universe/uni_shape.html Within the Friedmann–Lemaître–Robertson–Walker (FLRW) model, the presently most popular shape of the Universe found to fit observational data according to cosmologists is the infinite flat model, while other FLRW models that fit the data include the Poincaré dodecahedral space and the Picard horn. Wikipedia.

(24) **Dark flow** is an astrophysical term describing a possible non-random component of the peculiar velocity of galaxy clusters. The actual measured velocity is the sum of the velocity predicted by Hubble's Law plus a small and unexplained (or dark) velocity flowing in a common direction. According to standard cosmological models, the motion of galaxy clusters with respect to the cosmic microwave background should be randomly distributed in all directions. However, analyzing the three-year WMAP data using the kinematic Sunyaev-Zel'dovich effect, the authors of the study found evidence of a "surprisingly coherent" 600–1000 km/s flow of clusters toward a 20-degree patch of sky between the constellations of Centaurus and Vela. The authors, Alexander Kashlinsky, F. Atrio-Barandela, D. Kocevski, and H. Ebeling, suggest that the motion may be a remnant of the influence of no-longer-visible regions of the universe prior to inflation. Telescopes cannot see events earlier than about 380,000 years after the Big Bang, when the universe became transparent (the Cosmic Microwave Background); this corresponds to the particle horizon at a distance of about 46 billion (4.6×10¹⁰) light years. Since the matter causing the net motion in this proposal is outside this range, it would in a certain sense be outside our visible universe; however, it would still be in our past light cone. Wikipedia.

(25) **The CMB Cold Spot** or WMAP Cold Spot is a region of the sky seen in microwaves which analysis found to be unusually large and cold relative to the expected properties of the cosmic microwave background radiation (CMB). The "cold spot" is approximately 70 μK colder than the average CMB temperature (approximately 2.7 K), whereas the root

means square of typical temperature variations is only $18 \mu\text{K}$. The radius of the "cold spot" subtends about 5° ; it is centered at the galactic coordinate $l = 207.8^\circ$, $b = -56.3^\circ$ (equatorial: $\alpha = 03\text{h } 15\text{m } 05\text{s}$, $\delta = -19^\circ 35' 02''$). Thus it is in the southern hemisphere of the celestial sphere, in the direction of the constellation Eridanus. Typically, the largest fluctuations of the primordial CMB temperature occur on angular scales of about 1° . Thus a cold region as large as the "cold spot" appears very unlikely, given generally accepted theoretical models. Various alternative explanations exist, including a so-called Eridanus Supervoid or Great Void. This would be an extremely large region of the universe, roughly 150 Mpc or 500 million light-years across, at redshift $z \simeq 1$, containing a density of matter much smaller than the average density at that redshift. Such a void would affect the observed CMB via the integrated Sachs-Wolfe effect. If a comparable supervoid did exist, it would be one of the largest structures in the observable Universe. Wikipedia.

(26) **The Global model:** Various models have been proposed for the global geometry of the universe. In addition to the primitive geometries, these proposals include the: 1. Poincaré dodecahedral space, a positively curved space, colloquially described as "soccerball-shaped," as it is the quotient of the 3-sphere by the binary icosahedral group, which is very close to icosahedral symmetry, the symmetry of a soccer ball. This was proposed by Jean-Pierre Luminet and colleagues in 2003 and an optimal orientation on the sky for the model was estimated in 2008. 2. Picard horn, a negatively curved space, colloquially described as "funnel-shaped," for the horn geometry. Wikipedia.

(27) **Is the Cold Spot Parallel Universe.** A controversial claim by Laura Mersini-Houghton is that it could be the imprint of another universe beyond our own, caused by quantum entanglement between universes before they were separated by cosmic inflation. Laura Mersini-Houghton said, "Standard cosmology cannot explain such a giant cosmic hole" and made the remarkable hypothesis that the WMAP cold spot is "... the unmistakable imprint of another universe beyond the edge of our own." If true, this provides the first empirical evidence for a parallel universe (though theoretical models of parallel universes existed previously). It would also support string theory. The team claims there are testable consequences for its theory. If the parallel universe theory is true, there will be a similar void in the opposite hemisphere of the Celestial sphere (which New Scientist reported to be the Southern hemisphere; the results of the New Mexico array study reported it as Northern hemisphere). A sophisticated method of data analysis - Kolmogorov complexity - has derived evidence for a north and a south, cold spot in the satellite data: "...among the high randomness regions is the southern non-Gaussian anomaly, the Cold Spot, with a stratification expected for the voids. Existence of its counterpart, a Northern Cold Spot with almost identical

randomness properties among other low-temperature regions is revealed." Wikipedia

(28) The Gospel of the Holy Twelve Lection 52-9. A similar saying appears in the Gospel of Thomas.

Barukh haba b'shaym יהוה, Halleluyah! Praised is He who comes in the name of יהוה!

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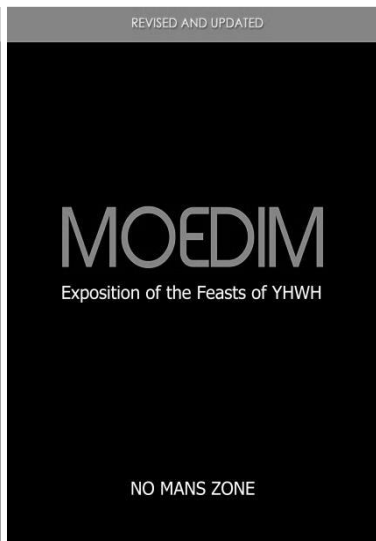
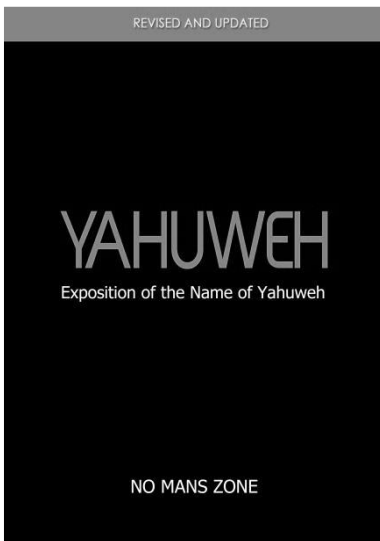
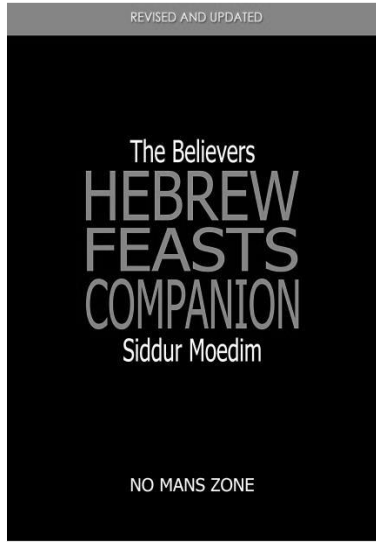
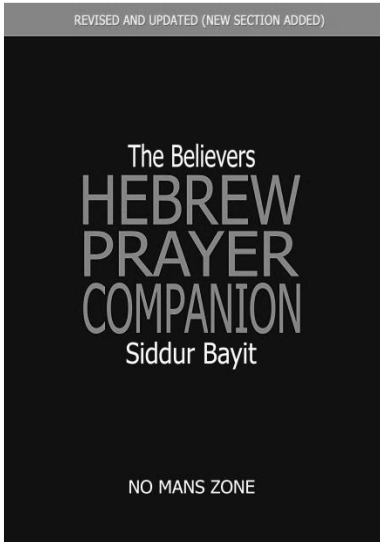
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The prophet Eliyahu (Elijah) is called the Breach Maker in TaNaK (The Hebrew Scriptures); he is poised to return before the dreadful Day of YHWH to restore the prominence of the Torah of Moshe (Moses) and the end the Diaspora of kol Yisra'el according to the Prophet Malachi. Many believe Eliyahu' mission has already begun in the boundless desert of Cyber Space where there is a voice crying out, but many are not able to understand the message of the voice because of not knowing the background and history to the movement called Yisra'el and its counterpart the Malchut (Kingdom) of YHWH. This series of Articles, the second of many will bring you into speed with what is past, the present and the future in the world of YHWH whose signs and happenings are affecting us now. The views and teachings presented in these articles are guaranteed to challenge you and impact you as these messages have done to countless others.

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