

# Article #1 - Great Pyramid of Giza

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A SUMMARY by Maralyn B. Dyck

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## Bible in Stone

There is a scripture in the Holy Bible in the book of Isaiah that gives a possible insight into the fact that while the pyramid is not mentioned directly anywhere in the scriptures, it is referred to indirectly through a prophecy of Isaiah. This vision was given to Isaiah son of Amoz during the reigns of Uzziah, Jotham, Ahaz, and Hezekiah; all four of them were kings of Judah.

“In that day five of Egypt’s cities will follow the Lord Almighty. They will even begin to speak the Hebrew language (*the language of Canaan*). One of these will be Heliopolis, the City of the Sun. In that day there will be an *altar to the Lord in the heart of Egypt, and there will be a monument to the Lord at its border. It will be a sign and a witness to the Lord Almighty in the land of Egypt*. When the people cry to the Lord for help against those who oppress them, he will send a savior who will rescue them.

“In that day the Lord will make himself known to the Egyptians. Yes, they will know the Lord and give their sacrifices and offerings to him. They will make promises to the Lord and keep them. The Lord will strike Egypt in a way that will bring healing. For the Egyptians will turn to the Lord. He will listen to their pleas and heal them.

“In that day Egypt and Assyria will be connected by a highway. The Egyptians and Assyrians will move freely between their lands, and they will worship the same God. And Israel will be their ally. The three will be together, and Israel will be a blessing to them.

“For the Lord Almighty will say, ‘Blessed be Egypt, my people. Blessed be Assyria, the land I have made. Blessed be Israel, my special possession!’ Isaiah 19:19-25” NLT

Throughout the rest of these articles (four in all) you will see just how much this pyramid is a living testimony, parts of the Bible literally “written in stone.” We are not given any dates for the above prophecy to be fulfilled, but when God says that an event will take place, it WILL take place, in His own timing. It could happen during the short time of peace that will happen at the time Israel makes a seven-year peace treaty. In Revelation we read that the globalists will be successful for a “brief” period just before the beginning of the Great Tribulation.

“The ten horns of the beast are ten kings who have not yet risen to power. They will be appointed to their kingdoms for one **brief** moment to reign with the beast.” Revelation 17:12 NLT

How long is “brief” in God’s schedule? If a day is as a thousand years in prophetic language...who knows how long “brief” will be. It could be a few years yet or even many years. We shall just have to wait and see.

During the First Dynasty Egypt was divided into two kingdoms.

**The Great Pyramid stands on the old border that divided Lower Egypt from Upper Egypt in the old kingdoms, and in the geographic center of the united kingdom of today.** Therefore, only the Great Pyramid of Giza fits the description given by Isaiah of “an altar to the Lord in the midst of the land,” yet

“a pillar at the border.” Inasmuch as Isaiah said that the Great Pyramid would be known as a sign unto the Lord (evidently looking forward to a day when its secrets would be unlocked), **it must indeed be, in reality, a Bible written in stone.**

We read also in **Jeremiah 32:17,20**: “Ah Lord God! behold, thou hast made the heaven and the earth by thy great power and stretched out arm, and there is nothing too hard for thee: . . . **Which hast set signs and wonders in the land of Egypt, even unto this day.** . . .” Keep in mind that the Great Pyramid is one of the Seven Wonders of the Ancient World, and possibly the greatest wonder of all ages.

- According to an article in the June 1972 edition of *Saga* magazine, no construction company in the world **today** could erect such a building.

- Quoting from Halley’s Bible Handbook: “The amazing thing about the Pyramids is that they were built at the dawn of history.”

- Sir Flinders Petrie: referring to the Pyramid of Cheops: “...the greatest and most accurate structure the world has ever seen.”

- The Encyclopaedia Britannica: “The brain power to which it testifies is as great as that of any **modern** man.”

## Location and History



Archaeologists believe Egypt's large pyramids are the work of the Old Kingdom society that rose to prominence in the Nile Valley after 3000 B.C.

This pyramid was erected **BEFORE** the Flood of Noah. Who were contemporaries at this time?

Jared, Enoch’s father, was a young boy when the building began, 3544-2582 BC;

Enoch was translated to heaven just before the building was started, 3382-2917 BC;

Enoch’s son, Methuselah, the oldest recorded living human being, 3317-2348 BC;

Methuselah’s oldest son, Lamech, 3130-2353 BC;

Lamech’s son, Noah, 2948-1998;

and all their relatives, and many of their descendants, lived at the same time and all most likely knew each other well. Some may have worked on the pyramid while the others would have been at least familiar with the Pyramids of Giza.

The Great Pyramid is the oldest of the Seven Wonders of the world. It has stood for at **least** four-thousand years and has lasted through floods, earthquakes, scavengers, and even warfare. Most likely, it will continue to stand over the millennia to come, if the Lord tarries. Millions yet to be born will

someday learn of the Great Pyramid and be fascinated with its mysteries and wonders as countless others have over the previous centuries.

Given the Great Pyramid's four-thousand year history and lasting enigma, many different explorers (and tomb-raiders) from a wide variety of backgrounds have examined the pyramid over the centuries. What follows, in this first article, is a short version of an extensive history of the Great Pyramid of Giza.

**Almost due west of Cairo, Egypt, just across the Nile River,** stands the Great Pyramid of Giza. It covers an area of thirteen acres and was originally some four hundred and eighty-five feet in height.

There are approximately **2.3 million stone building blocks remaining**, (possibly 2.5 million before many were lost or stolen over the centuries), even though the most of the outside casing stones have been removed (144,000 lime stones when first built). The blocks weigh from two to thirty tons each. Napoleon, when he viewed this edifice, estimated that he could build a wall ten feet high all the way around France with its stones. If the stones were cut into one-foot sections, there would be enough to reach all the way around the equator.

All of the locomotives in the world together could not move them, and there is enough room within the pyramid to contain all the cathedrals in Rome, Milan, and Florence, with space left over for the Empire State Building, Westminster Abbey, St. Paul's Cathedral, and the Houses of Parliament. It was a VERY large project!

However, according to Isaiah, **the altar to the Lord that stands in the midst of the land of Egypt, and at the border**, will be an important sign to the Egyptians in the days of the healing of their land that the Lord God of Israel is the true God. In the above verses Isaiah states that the "altar" will be "in the heart of Egypt, and there will be a monument to the Lord at its border." Guess what! That is exactly, and I mean **exactly** where the Great Pyramid is located.

Take a globe with Egypt facing you. Find the north-south vertical line that passes through Egypt, then do the same with the east-west parallel line where it passes through Egypt. Note where the two lines meet! The junction is in the middle of Egypt where the pyramid is located.

Next, follow the lines around the globe and note where the land masses are located. You will see that the greatest amount of land mass is right at the intersection of the two lines.

To make it even more interesting is the fact that the pyramid is right on the border of the old borders of Egypt. This old pyramid survived the flood, along with the Sphinx, which is right next to it. There are signs of water damage on both the Giza Pyramid and the Sphinx. There are balls and sockets in the foundation of the pyramid which would have helped it to survive the upheaval and earthquakes that took place during Noah's flood and survive it did.

There is a newer discovery that shows us a whole possible "city" under the foundation of the pyramid. They are just beginning to explore it all, so we shall hear more about that over the coming months. They discovered it by taking soundings through the walls and ground. They dug into the area underneath the pyramid and sure enough, huge caverns were discovered, possibly under the Sphinx as well. That will have to be for a later article, once they report on all that they are discovering.

Another interesting fact that separates the Great Pyramid from the others is the lack of writing and hieroglyphics inside or outside of the pyramid. There are only a few red marks that look like what a

contractor would do to make sure they were building it correctly. The revolving doors originally used to enter the pyramid cannot be seen easily with the naked eye. They fit so exactly that they provide not even a crack to open them. Yet, from the inside they are so well balanced that they do not require much pushing to open them.

People drilled and cut their way into the pyramid and discovered the door from the inside! It weighs roughly twenty tons. All kinds of interesting passages and rooms were discovered once inside, but some areas were blocked with “plugs.” They had to cut their way through these plugs to see the rest of the pyramid. These will be discussed in detail in another article.

The Great Pyramid was probably standing in Egypt when Abraham planted his feet on the banks of the Nile, and it was most certainly there when Moses led the children of Israel through the Red Sea.

Because of its great antiquity, no one knows the exact date the first Egyptian dynasty began. The Twelfth Dynasty was already established, according to the Egyptian historian Manetho, in 2000 BC, at the time of Abraham.

**King Aha** of the First Dynasty ruled over Upper Egypt, and **Queen Neithetep** ruled over Lower Egypt. The two monarchs united their kingdoms into one empire, and the boundary of the resulting kingdom was about the same as that of modern Egypt. No two people really agree on dates. **For this article we shall use c.2900 BC.**

4000 BC would be about the time that Adam was created. Most historians and archaeologists believe that it was built during the reign of the **Egyptian king Cheops**. We have no great objection to this thesis because no one really knows just who Cheops was or when he lived.

The dictionary places Cheops at 2900 BC, or before the flood, in the time of the biblical figure Enoch. Who is to say that Cheops was not Enoch himself? He was not the builder as new evidence now shows who the builder is, but could he be one of the architects of the pyramid? (Disclosure of new evidence will be in the next article, along with other related information.)

For now, this one is interesting: J. Bernard Nicklin in his book “Testimony in Stone”: “The late David Davidson . . . drew attention to the remarkable way the age, or dynasty, of Enoch is impressed upon the Great Pyramid itself. As Enoch lived 365 years (Gen. 5:23), or to be more exact, **365.242 days, the value of the solar year**, forms the basis of all its measurements. Moreover, by ancient writers, the Great Pyramid is described as “the Pillar of Enoch.” Enoch was in the line of Seth, and Josephus ascribes the building of it to the dynasty of Seth. So that Enoch—who, it should be observed, is referred to as a prophet (Jude 14–15), may well have been one of the **architects** of the Great Pyramid.

If God revealed the plan of the tabernacle to Moses, and gave instructions for building the Temple to David, **could He not also have revealed the design and measurements of the Great Pyramid to the one chosen by Him to superintend its erection? In fact, could He not have inspired and guided all concerned in the task?**

Before we disregard the suggestion that Enoch may have been an **architect** of the Great Pyramid consider this: Although it required superhuman knowledge and skill to build the Great Pyramid, **the reason for its construction and that of all the Pyramids and tombs of Egypt, was so that man might inherit eternal life, or so they believed.** God translated Enoch to heaven at an early age (for those days)

because he was a righteous man and kept and taught the precepts of his vision that God was preparing a Savior who would come to sacrifice himself on behalf of all mankind in the future. Enoch was looking forward to his salvation, as did all the patriarchs of the Old Testament.

In the Dead Sea scroll of Enosh you can read the entire vision that God gave Enoch and **ordered** him to gather his sons together and teach them all that was in his vision. This included all the great teachings of mathematics, including advanced physics and astronomy, equal or beyond what we know today! While it is not mentioned in Enosh as part of the vision, is it not possible that God instructed Enoch on the building of his “altar” of testimony in Egypt, which he would have passed down to his sons. Some believe that it was the sons of Seth and Enoch that helped in the building of the pyramid. He gave instructions to Noah for the ark; why not do the same with Enoch for the Pyramid of Giza, God’s “altar” in the midst of Egypt?

The earliest beliefs of the Egyptians, whether we call them Egyptians or antediluvians, were quite in accord with basic Christian doctrine.

Dr. Zaki Y. Saad from his book *The Excavations at Helwan*: “ In these tombs we were astonished to find the doors placed in the southwest section of the ceilings in the burial chambers. In each tomb the stela was . . . positioned to face the body inside the chamber. Our conclusion was that Egyptians of the Second Dynasty believed that the soul of the dead departed to heaven at the moment of death.”

Dr. Saad also relates that the remains of the ancients who died in Egypt during the first and second dynasties, long before the flood, were buried in the ground **in the same position as a baby in the mother’s womb**. The bones have not decayed because the region has been dry for thousands of years.

They were buried in this fashion because those who had faith in a resurrection believed that they would have to be “born again.” The position indicated a faith in the coming of a new body, a body that would never die. It appears that **only later** did the Egyptians come to a belief that the soul remained in the tomb with the body.

Josephus believed the Great Pyramid was built before the flood by the sons of Seth, of whom Enoch was a member: “Now this Seth, when he was brought up, and came to those years in which he could discern what was good, became a virtuous man; and as he was himself of an excellent character, so did he leave children behind him who imitated his virtues. All these proved to be of good dispositions.

“They also inhabited the same country without dissensions, and in a happy condition, without any misfortunes falling upon them, till they died.

“They also were the inventors of that peculiar sort of wisdom which is concerned with the heavenly bodies, and their order. And that their inventions might not be lost before they were sufficiently known, upon Adam’s prediction that the world was to be destroyed at one time by the force of fire (end times?), **and at another time by the violence and quantity of water** (bold is mine), they made *two pillars*, the one of brick, the *other of stone*: they inscribed their discoveries on them both, that *in case the pillar of brick should be destroyed by the flood, the pillar of stone might remain*, and exhibit those discoveries to mankind (which we are just now beginning to learn and understand!); and also inform them that there was another pillar of brick erected by them. Now this (the “altar” or pyramid, built as an altar and testimony before the Lord) remains in the land of Siriad to this day.”

Remember, this is not from the Bible, but it is from the Dead Sea Scroll recovered in Israel. It is history and appears to be very accurate. The credence of a prophecy or vision is in the fulfillment of that prophecy or vision.

The land of “Siriad” is in Egypt.

In the time of Josephus the land of Siriad was a part of Egypt in which the false religion of Sirius was practiced, and there can be little doubt that Josephus was referring to the Great Pyramid, since it reflects astronomical knowledge beyond even that of today. This knowledge, according to Josephus, was known to the descendants of Seth, and was incorporated into the building of this great monument in Egypt. The book of Enosh also confirms this fact.

Who was Josephus? Josephus was a priest of Israel who became governor of the province of Galilee. His Jewish name was Joseph.

He began the great rebellion against the Romans in 66 AD.

He was captured by Vespasian. He spent two years in the camp of Vespasian’s son, Captain Titus, watching the siege and final destruction of Jerusalem and the Temple. c.70 AD.

The Romans gave Josephus all the writings of the scribes and the prophets that were in the Temple and Jerusalem to **write a history of Israel so that the world might know there was such a nation.**

It is doubtful if Josephus would have written anything in his books, Wars of the Jews and Antiquities of the Jews, plus his Dissertations, that could **not have been supported or documented by written evidence, physical evidence, or common knowledge or traditions.**

On the cover of Josephus, translated by William Whiston, we read about the consensus by contemporary historians: “. . . he had the most essential qualifications for a historian—a perfect accurate knowledge of all of the transactions which he relates, without prejudices to mislead him in the representation of them. . . .”

It should be noted that in Antiquities 18, Josephus injected his own personal testimony that Jesus was the Christ. Josephus wrote in Hebrew. They were later translated in Greek and from Greek into many other languages.

It is in Antiquities of the Jews 3 where Josephus wrote about the sons of Seth building a pillar of brick and a pillar of stone wherein was incorporated knowledge of the heavens and Earth.

William Whiston, who translated Josephus from the Greek to English, footnoted this chapter with his own reference that although this information doubtless referred to the Great Pyramid in Siriad, or the Cairo area, Josephus must be in error because no structure could have survived the great geological upheavals of the flood!

However, we should keep in mind the tremendous weight of the Great Pyramid, covering twenty-three acres with approximately 2,300,000 stone blocks weighing from 2-30 Tons each with some weighing as much as 70 tons, that it was erected on a solid rock foundation and sealed with 144,000 limestone blocks, also several tons each! It had been built with balls and sockets on the corners to help withstand both earthquakes and flood. It is still here! Point made; it survived. More details on construction and durability and all the marvelous secrets this pyramid reveals will be dealt with in the next article.

In addition, **if it were built by the will of God, it would have survived regardless of the catastrophe.** And even more weight is added to this account by Josephus in that this was not merely his own opinion, but **the conclusions and writings of scribes and prophets (including Jeremiah and Isaiah), as well as peers and contemporaries.** (This, also, will be discussed more fully in later articles.)

The Encyclopaedia Britannica places Cheops, the Egyptian pharaoh erroneously credited with the building of the Great Pyramid, between either 3969–3908 BC, a lifespan of sixty years, or 2900–2839 BC **The latter figure is the most accepted.**

Somewhere along the way it seems that Cheops closed the temples and stopped sacrifices to the gods, resulting in a religious revolution and rebellion. This is something that Enoch would do as he believed in only one God, the God of creation. (An evil "Cheops" could also close the temples and stop sacrifices to the gods out of sheer meanness, if Cheops is not Enoch.)

Outside the Great Pyramid, only two or three artifacts can be traced to his reign.

One ambiguous historical source **noted recently on a television documentary** about the Great Pyramid that Cheops went to visit an island in the Nile River. He never returned and there is little or no information about what may have happened to him. It is certain that his body was not placed within the coffer in the Great Pyramid. That would match the Biblical account that Enoch was translated to heaven without a trace of him left behind.

We are again placed with the possibility presented by Clarence Larkin, Dr. J. A. Seiss, and others that **this same Cheops could have been Enoch**. Enoch is our spiritual father, or predecessor, in the heavenly translation. We read in Hebrews 11:5: **"By faith Enoch was translated that he should not see death; and was not found, because God had translated him: for before his translation he had this testimony, that he pleased God."**

The lesser pyramids, which were all patterned after the Great Pyramid, **were built as vehicles of heavenly translation for the kings under whose reign they were constructed**. The king's body was placed in a coffin within a specially-built room inside the pyramid where it would await transportation into the next world.

It is amazing that no body was found in the Throne Room of the Great Pyramid. This recalls the statement concerning the life of Enoch in Genesis 5:24: "And Enoch walked with God: and he was not; for God took him." If Enoch was in fact a designer of the Great Pyramid, it would explain why the king's body is missing.

To try to reconcile dates for the building of the Great Pyramid, we reference Bishop Ussher, whom most biblical authorities credit with being the most accurate on scriptural chronology. Ussher places the date of the biblical flood in the six hundredth year of Noah's life, in the year 2349 BC.

Davidson and Aldersmith gave the date of the flood as **2343 BC**.

If the date proposed by the Encyclopaedia Britannica for the building of the Great Pyramid between 2900 BC and 2800 BC, then that would date its construction to five hundred years before the flood. Therefore, it would appear that Josephus would be correct.

In this article I have talked about the **Age and History of the Great Pyramid of Giza** in a brief summary format. Many books and articles have been written about the pyramid, and this is not an attempt to reinvent the wheel. I am hoping, by my articles, to enlighten the general public about all the exciting things they are missing in this world. This story of the Pyramid of Giza starts shortly after creation of man and, in visions and prophecies, goes right up to the end times.

In the second article I will continue with this saga by beginning with the newly discovered information from the pyramid that finally gives us the name of the builder and the designer, plus the short but fascinating history behind it all. I will also give the details of the pyramid itself regarding the materials, design and more.

In the third article I will give detailed mathematics, including physics, engineering and astrology involved in creating this miraculous structure. Also, we will conjecture on the use and purposes of this pyramid before the flood and what it means to us now and in the future.

In fourth article I will continue with what this pyramid tells us that makes it the “Bible in Stone” and why it is important for us today as a witness to the world.

## Sources, Internet and Books

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# Article #2 – Designer, Builder and Actual Structure of the Pyramid of Giza

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A SUMMARY by Maralyn B. Dyck

Visit/buy sources listed at end of article for full disclosure of information available.

We read in [Genesis 6](#) that man multiplied over the face of the Earth and Cain built a city, and he named the city after the name of his son. It is also indicated that other cities were built. Underwater exploration revealed cities and various man-made constructions in various parts of the world. There is an underwater city off the coast of Cuba in the Caribbean Sea, one-half mile deep, according to an article titled "Underwater Cities: Noah's Flood Proof?" from [Ancient High Technology](#), which says: "It is stunning. . . . It looks like when you fly over an urban development in a plane." There are rumors of many more cities much deeper in the oceans, cities buried forever by Noah's global flood. We will most likely hear much more about these discoveries as technology allows us to go deeper and deeper into the depths of the oceans.

What has this to do with the Pyramid of Giza? It shows us that there are continuing new discoveries all the time about the history of the past and the Pyramid of Giza is no different in this respect.

New information has come forward providing the details of who may actually have been the builder of the pyramid! This does not negate the fact that Enoch had an initial part in designing the pyramid, but it would mean that Enoch did not build the pyramid. Of course his sons and the sons of Seth could have been there working on it. We have no concrete proof of this yet, but more discoveries could be made as time marches forward. That is part of what makes it so intriguing to keep track of what is being discovered about this amazing Wonder of the World.

King Khufu, known as Cheops to the Greeks, is currently credited with **ordering** the building of the Great Pyramid at Giza, near modern Cairo and Memphis.

Unlike his grandfather Netjeriket, and his father Sneferu, both of whom were remembered as benevolent and compassionate rulers, Khufu was reported by Herodotus to have been a cruel despot. Khufu's full birth-name was Khnum-Khufu, meaning, "the god Khnum protects me." Khnum was considered the local god of Elephantine, near the first Nile cataract, who created mankind on his "potter's wheel" and was responsible for the proper flooding of the Nile each year.

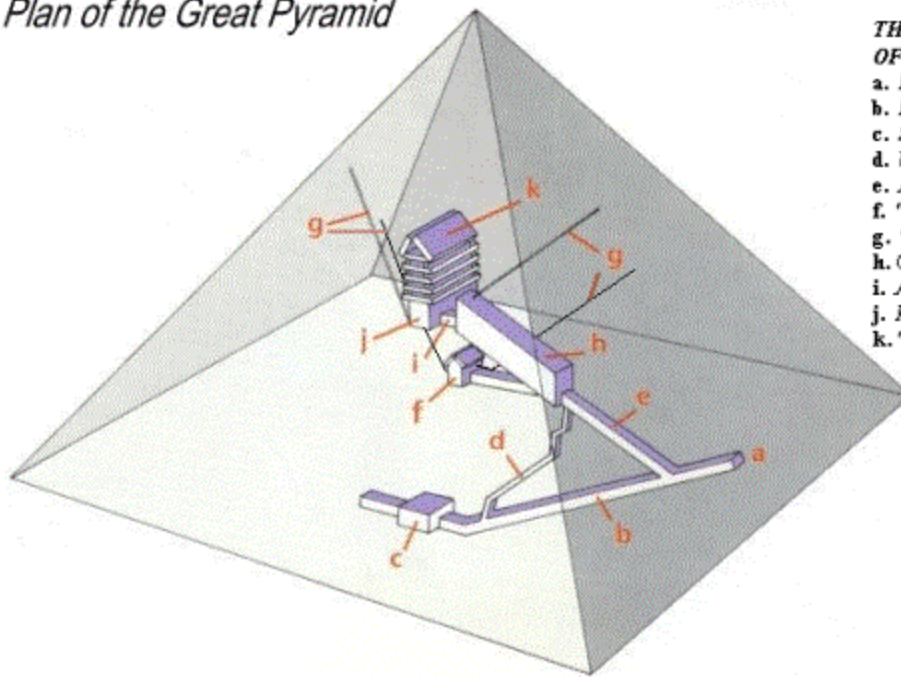
Cheops disappeared after visiting an island near the falls in the Nile River. Cheops was thought to be a cruel despot but Enoch was a righteous man translated to heaven by God and never found. Both men disappearing seems to be the only similarity at this time. Interestingly other websites state that Cheops was kind and good to the workers! Who do we believe? That type of Cheops would fit Enoch's reputation. However, he would not be worshipping a god called Elephantine. There is no exact fit at this point in time, just bits and pieces of a complex puzzle. It is not impossible that more papyrus scrolls will be discovered, providing more information so we can fill out the picture of this puzzle.

Khufu may have been already on in years when he took the throne. It seems that his kinsman and vizier, Hemiunu, was named as the architect of the Great Pyramid. Khufu's senior wife was named

Merityotes, and she and his other two wives were each buried in one of the three smaller subsidiary pyramids that lie just south of the mortuary temple of the main pyramid. Khufu had several sons, among them Kawab, who would have been his heir, Khufukhaf, Minkhaf, and Djedefhor, Djedefre and Khephren or Khafre.

## Design

### *Plan of the Great Pyramid*



#### **THE INTERNAL ARRANGEMENT OF THE PYRAMID OF KHUFU**

- a. Entrance
- b. Descending Passageway
- c. Subterranean Chamber
- d. Well Shaft
- e. Ascending Passageway
- f. "Queen's" Chamber
- g. "Ventilation Shafts"
- h. Grand Gallery
- i. Antechamber
- j. King's Chamber
- k. "Relieving Chambers"

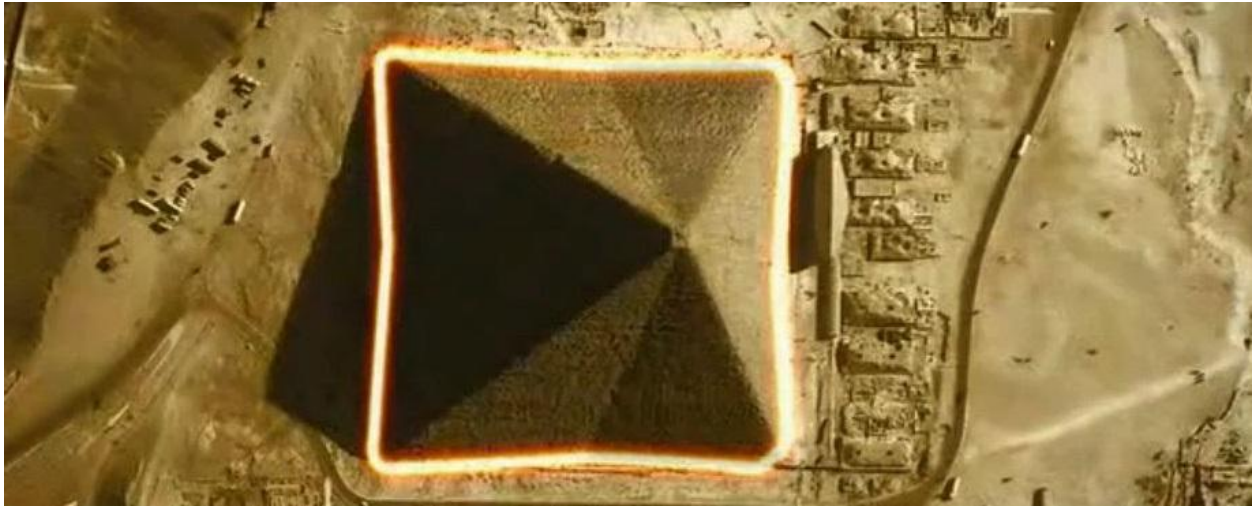
The largest of the three pyramids at Giza, known as the Great Pyramid, is truly an astonishing work of engineering. It was built over a twenty year period. Some believe that it was built by slaves, but it seems that this is not true according to the new papyri that have been discovered. One hundred thousand people worked on the great structure for three to six months of each year, during the Nile's annual flood, when it was impossible to farm the land and most of the population was unemployed. The pharaoh provided good food and clothing for his workers, and he was kindly remembered in folk tales for many centuries.

The pyramid is very large; it covers an area of 23 acres of land! The four corners are oriented to the four cardinal points of the compass. They are off a fraction now because of slight pole shift over the years, but at the time of its construction the points would have been right on track.

The length of each side at the base is 755 feet (230.4 m). The faces rise at an angle of 51° 52' and their original height was 481 feet (147 m). (They currently rise 451 feet [138 m].) At present the top cap stone is missing, unlike all the other pyramids.

It was constructed using around 2,300,000 limestone blocks, each weighing 2.5 to 16 tons. Some blocks weigh as much as 16 tons. For centuries, the Great Pyramid was encased in smooth pure white lime stones; they glistened in the sunlight and they could be seen for many miles. Many of the casing

stones of the Giza pyramids were stripped after a devastating earthquake in the Eighth Century shook them loose, and they were used in rebuilding Cairo for the next several hundred years.



The pyramid is square at the bottom and rising to a peak in the centre. The top “cap” is missing so the figures include where the top of the cap would be when the lines meet at a peak. Each side is concave in the centre, just enough to make it an **eight-sided** pyramid. Only a couple of other such pyramids exist; not one of them is in Egypt. The concave is not enough to see from the ground but can be seen from above when the lighting is correct. Notice the cap is missing on the peak.

The inside passageways are all very carefully designed. The top of each passageway points to an actual star in the universe, as it was when it was constructed! The math is incredible. Math will be discussed in the next article. From the above drawing you can see where the passages and rooms of the pyramid are located.

## Foundation

1 The cornerstone foundations of the pyramid have ball and socket construction capable of dealing with heat expansion and earthquakes.

2. There are no hieroglyphics or writing in the Great Pyramid. (Recently, there were some markings in red ochre discovered in one of the inner tunnels (though they appear to be from the laborers rather than 'official' markings).

3. The mortar used is of an unknown origin. It has been analyzed and its chemical composition is known, but it cannot be reproduced. It is stronger than the stone and still holding up today.

4. The pyramid is estimated to have about 2,300,000 stone blocks weighing from 2-30 Tons each with some weighing as much as 70 tons. There is so much stone mass in the pyramid that the interior temperature is constant; it equals the average temperature of the earth which is 20 Degrees Celsius (68 Degrees Fahrenheit).

5. Could it have survived Noah’s flood? Yes, the pyramid did survive the flood. It was built to last. There are signs of water damage on both the Great Pyramid of Giza and on the Sphinx which is right next door to the pyramid.

## White Lime Stone Facing

Interestingly enough, the Pyramid of Khafre (one of Khufu's sons) is the only one of the three main pyramids at Giza with some of its original casing blocks remaining. The rest of the casing blocks of all the pyramids have either been removed or are buried in the sands.

Two types of limestone were used for construction. A soft limestone either pure or nummulitic was used for the bulk of the core blocks and a hard white limestone for the mantle. Hard limestone becomes more polished with age. The base of the pyramid covers 55,000m<sup>2</sup> (592,000 ft<sup>2</sup>) with each side greater than 20,000 m<sup>2</sup> (218,000 ft<sup>2</sup>) in area.

The outer mantle was composed of 144,000 casing stones, all highly polished and flat to an accuracy of 1/100th of an inch, about 100 inches thick and weighing about 15 tons each. The average casing stone on the lowest level was 5 ft. long by 5 ft. high by 6 ft. deep and weighed 15 tons. The mortar used is of an unknown origin. It has been analyzed and its chemical composition is known but it can't be reproduced. It is stronger than the stone and still holding up today.

In short: ancient Egyptians made no contribution to science whatsoever in the successive five millennia; not a single scientist has been able to explain the mysteries of the pyramid, let alone reconstruct the Great Pyramid. One man tried to design a 1/4 size copy of the pyramid and had to give it up. It was beyond his mathematical skills to even design it like the main pyramid. Building it would be an even greater challenge, if even possible with today's knowledge and skills. There was tremendous knowledge of many skills involved in the building of this pyramid which you shall see in the next article. Their tools, for instance, are way beyond what we have today. Just more of the mystery needing to be resolved.

The only thing discovered, more recently, was a series of caves discovered at a Red Sea port that had been used for storing boats some distance away from the Pyramid of Giza. A cache of papyrus rolls were found well preserved and intact—the oldest known in history—around 4000-4500 years old. One roll in particular was all about the building of the Great Pyramid of Giza!

The papyri were actually written by men who participated in the building of the Great Pyramid of Giza, the pyramid of Pharaoh Khufu. Among the papyri was the journal of a previously unknown official named Merer, who led a crew of some 200 men who traveled from one end of Egypt to the other picking up and delivering goods of one kind or another.

Merer, who accounted for his time in half-day increments, mentions stopping at Tura, a town along the Nile famous for its **limestone quarry, filling his boat with stone and taking it up the Nile River to Giza**. Merer mentions reporting to "the noble Ankh-haf," who was known to be the half-brother of the Pharaoh Khufu (Cheops, to the Greeks). He was definitely identified as overseeing some of the construction of the Great Pyramid. Since the pharaohs used the Tura limestone for the pyramids' outer casing, and Merer's journal chronicles the last known year of Khufu's reign, **the entries provide a never-before-seen snapshot of the ancients putting finishing touches on the Great Pyramid**. So far, there is nothing yet learned that could prevent the possibility that Khufu/Cheops was actually Enoch. The only confusing part would be the fact that some thought Khufu was mean. These papyri do not show that at all.

According to the papyri all parts of Egypt were involved in the great building project at Giza. Granite came from Aswan far to the south, food from the delta in the north near the Mediterranean, and limestone from Tura, about 12 miles south of Cairo on the Nile.

Shipbuilding was made necessary by the gigantism of the royal building projects. The great majority of the boats were intended for the navigation of the Nile and the transport of materials along the river. The development of Wadi al-Jarf exactly in the same period allows us to see without doubt the logical extension, this time toward the Red Sea, of this project of the Egyptian state.

How did Merer get his boat close enough to the pyramids to unload his cargo of stone? Currently, the Nile is several miles from Giza. The papyri offer important support that the Ancient Egyptians, masters of canal building, irrigation and otherwise redirecting the Nile to suit their needs, built a major harbor or port near the pyramid complex at Giza. As a result, Merer would be able to transport all his building materials by boat from the quarry to the pyramids at Giza.

Merer refers to the Lake of Khufu, about 10 miles from Giza. However, the building and transportation of materials and goods could only have been done when the Nile was in flood, about six months or so each year.

Some of the other papyri refer to the fact that all shipping for commercial products could only be shipped during the flood stage each year. This fits in well with what would have had to happen for the building of the pyramids. The people were out of work and were able to spend time helping build the pyramids. They did not need to have slaves for this purpose.

Working on the boats was a source of prestige. According to the papyri found at Wadi al-Jarf, the laborers ate well. They were provisioned with meat, poultry, fish and beer.

There were many private inscriptions of officials involved in the mining expeditions to the Sinai. They liked to associate themselves to something that was very important to the king and this was a reason to be preserved for eternity, for the individuals. These workers were valued servants of the state.

The managers would have always traveled with their archives because they were expected always to account for their time. They believe that these papyri were found in the caves because that was the end of their last expedition for the team, probably because of the death or disappearance of the king. The date on the papyri seems to be the last date we have for the reign of Khufu, the 27th year of his reign.

This means of transportation for the pyramids was only used for a short time—just for the period of the early fourth dynasty. The boats were only used in the summer. For the rest of the year the boats were hauled on shore and stored in the huge caverns that had been carved out of the cliffs at the port site where they loaded granite on the boats. They obviously dragged the boats out of the water into the caves for safe keeping during the months when the Red Sea was not calm enough for sailing the huge boats carrying the granite. The regular granite came from the mines on the Sinai Peninsula. Only the white lime stone blocks came from the port of Taru on the Nile.

Of course experts are thrilled by this trove of papyri. Zahi Hawass, the Egyptian archaeologist, and formerly the chief inspector of the pyramid site and minister of antiquities, says that it is **“the greatest discovery in Egypt in the 21st century.”**

Tallet, the founder of the cache of papyri, is careful to speak in more measured terms. "The century is at the beginning," he says at one of his digs along the Red Sea. "One must not enlarge this kind of find." He was inferring that many more finds could yet be discovered as men continue to research for things from the past.

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# Article #3 - Mathematics, Physics, Engineering and Purpose of the Great Pyramid

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**Centre of Land Mass:** The Great Pyramid is located at the centre of the land mass of the earth. The east/west parallel that crosses the most land and the north/south meridian that crosses the most land intersect in two places on the earth, one in the ocean and the other at the Great Pyramid. The relationship between Pi ( $\pi$ ) and Phi ( $\Phi$ ) is expressed in the fundamental proportions of the Great Pyramid.

Documented history of The Great Pyramid begins in 820 AD, when the Caliph of Baghdad, Abdullah Al Mamoun (786-833), forced his way through the north face in search of a fabled treasure of ancient documents and artifacts. He is reported to be an educated man who tried, without success, **to calculate the true circumference of the Earth**, and who sought to regain ancient navigational knowledge that had been lost when the library of Alexandria was destroyed, by hacking blindly into the base of the Pyramid of Giza. He believed there would be knowledge once known, but now lost, available in the pyramid.

He finally broke into the pyramid at the lower level and found nothing that interested him. He then turned his attention to the Ascending Passage. After remaining sealed for thousands of years, this passage had been exposed when its seal had been dislodged by his excavations.

Mamoun's had his men smash out core masonry and then broke up several smaller limestone plugs which had been placed behind the heavier, harder and more securely wedged granite.

Once he freed the entry he climbed into the heart of the pyramid. Here he found the upper end of the Well Shaft, the Grand Gallery, the King and Queen's Chambers and almost all the other known features located in the upper body of the pyramid.

His departure was followed by a series of unusually powerful earthquakes. They ravaged the area and presumably further damaged the already shattered casing. How bad the actual damage was we will never know,; the quakes transformed the pyramid into a convenient, twenty-two acre, pre-cut limestone supermarket and the casing was looted to rebuild what is now Cairo. When the quarrying finally stopped, over four hundred years later, what little that remained of the casing lay buried beneath some fifty feet of rubble.

In the sixteenth century, the brilliant Italian physician & mathematician, Girolamo Cardano, concluded that the Great Pyramid embodied a system of linear measure that had been derived from the dimensions of the Earth itself. He believed the true size of the earth had been known thousands of years earlier, and that it would be embodied in the pyramid.

By the early seventeenth century, the Great Pyramid was attracting the attention of far more benign and inquisitive visitors.

In 1637, British astronomer and mathematician, John Greaves, came to Giza in search of the true circumference of the Earth.

Davison, a British official vacationing in Egypt, attempted to explore the pyramid. The exterior remained shrouded in rubble and Davison was unable to bypass Al Mamoun's debris in the lower interior. Concentrating instead on the upper passages and chambers, and, after being driven from the Well Shaft by the lack of breathable air, Davison discovered a roughly carved passage, at the top of the Grand Gallery's south wall. Risking almost certain death by scaling the twenty-four foot height of the already elevated gallery, Davison followed the passage to a low, empty and featureless compartment which had evidently been designed to protect the King's Chamber, directly below, from the weight of the masonry above.

He experienced a measure of success in as much as he was able to explore the upper part of the pyramid personally and even spend some time alone in the King's Chamber. The pyramid was now home to thousands of bats, and efforts to explore the Descending Passage and blocked Well Shaft, were prevented by rubble, bat droppings and foul air.

Outside the pyramid, Edme-Francois Jomard, one of the most influential of Napoleon's servants, had cleared away some of the debris at the base and exposed what were believed to be the northeast and northwest alignment sockets (shallow depressions carved into the bedrock). Like many before him, Jomard believed not only that **the base of the pyramid would reflect the Earth's true circumference**, but that it would also reveal the builder's original units of measure.

Howard-Vyse also began his assault from Davison's Chamber, but moved in a different direction. Blasting upwards, he exposed a second chamber and named it after Wellington, under whom he'd served earlier. No taller than Davison's Chamber below, the granite-beamed floor of Wellington's Chamber was, in fact, the roof of Davison's Chamber. The similar, granite beamed ceiling of the second chamber, prompted the assumption that still more lay above, and several months of blasting uncovered third, fourth and fifth Construction Chambers.

Taylor returned and noted that the pyramid's base perimeter had grown considerably over the previous two hundred years. Assuming—quite correctly—that each successive explorer had plunged ever deeper into the debris, Taylor decided to mathematically reconstruct the pyramid using the most recent measurements and to probe it for the geometric poetry he was sure it contained.

Unfortunately, he also assumed the most recent measurements were correct and so was unable to reveal that poetry. Discouraged by the same lack of symmetry between the base and height that had troubled Newton, Taylor explored an earlier claim that the area of each face had been designed to equal the square of the pyramid's vertical height. Then, in assuming the pyramid was a perfectly geometric construction, he plunged headlong into the same quagmire from which even Newton had been unable to emerge unscathed.

**As indicated in "The Great Pyramid: Proof of God" by George R. Riffert, measurements and mathematical equations within the Great Pyramid indicate that within the divine cubit, or royal cubit, the English inch is .001 too short. It requires 10,011 English inches to equal 10,000 pyramid inches. The importance of this difference, even though minute, will be referred to later in this article.**



In 1880, the **Earth's Polar Diameter was calculated to be 7,898.78 miles**. The newly determined dimension translated into just shy of **500,500,000 British inches**, or an even five hundred million if the inch were lengthened slightly. Herschel had been right. After numerous researchers had spent almost a hundred years digging down to the base of the pyramid (albeit only at the corners and a small section of the north face), Petrie was now forced to calculate his way back up. In doing so, he found the base length to be 755.75 feet—far too short to support either of Jomard's Earth circumference or Piazzi-Smyth's days in a year theories.

David Davidson predicted that, when finally measured accurately, the pyramid's base perimeter **would be found short of Piazzi-Smyth's length by exactly 286.1022 inches (23.84 feet)**, and he called this distance the pyramid's "**Displacement Factor.**" The figure itself is embodied within the pyramid in numerous places.

**The original entrance is offset to the east of the north/south axis by this amount; it is exactly the difference in height between the Ascending Passage and the Grand Gallery; and it is also the calculated height of the missing apex.**

In 1925, the pyramid was finally cleared of debris, the base accurately surveyed for the first time and the results published as the official size and orientation of the pyramid. Davidson was not only proved correct by the results, but a curious mathematical conundrum was also uncovered.

The actual distance around the base was found to be equal to half of one minute of arc of the Earth's circumference—which the pyramid's designers had evidently deemed to be slightly less than our own calculation. **But, when the height of the missing apex was added, the result reflected the number of days in a year and also vindicated Piazzi-Smyth.** It was this figure, ironically, that would be found short of Piazzi-Smyth's length by exactly 286.1022 inches (23.84 feet), the "**Displacement Factor.**" **The figure itself is embodied within the pyramid in numerous places.**

It was this figure that supplied an original unit of measure, an increment that was within a few decimal places of one we'd used for much of recorded history—the inch!

In the 1960's and 70's, a public perhaps forced into readiness by the terrifying revelations of the fifties, was treated to a burgeoning array of ever more outrageous and groundless theories.

The 1980's and 90's saw a surge of study that, among other things, tied the very layout of the Giza complex to ancient astronomical data, and set the stage, finally, for finding a reason for the pyramid's very existence.

Modern researchers, it seemed, were beginning to suspect that the Great Pyramid contained a message of some kind, a message not from God or from space travelers, but from our own ancestors, somewhere in the dim and distant past.

Other small doors and shafts have been discovered, but the results have not been published. Access to the pyramid is already severely restricted and it seems unlikely that Egyptian authorities will comment upon – or even reveal – any discovery which contradicts the official tomb theory.

## Mathematics, Physics and Engineering

### Numbers of Relevance:

The length of a base is 9131 Pyramid Inches from corner to corner in a straight line.

The length of a base side at the base socket level is 9,131 Pyramid Inches or 365.24 Pyramid Cubits.

The length of a base side at sidereal socket level is 9,131.4 Pyramid Inches or 365.256 Pyramid Cubits.

The length of the perimeter at the sidereal socket level is 36,525.63629 Pyramid Inches.

The perfect formula height of the pyramid including the missing apex is 5 813.2355653763 Pyramid Inches, calculated from perimeter of base divided by 2 Pyramid Inches.

The height to the missing apex is 5,812.98 Pyramid Inches.

The volume of the pyramid is:  $V = 1/3 \text{ base area} \times \text{height} = 161,559,817,000 \text{ cubic Pyramid Inches} = 10,339,828.3 \text{ cubic Pyramid Cubits. } [(5,813.2355653 \text{ Pyramid Inches})/3 * 9 131 \text{ Pyramid Inches} * 9 131 \text{ Pyramid Inches}]$

The four faces of the pyramid are **slightly concave, the only pyramid in Egypt to have been built this way**. The centers of the four sides are indented with an extraordinary degree of precision, forming the only 8 sided pyramid in Egypt. The effect is not visible from the ground or from a distance but only from the air, and then only under the proper lighting conditions.

The granite coffer in the "King's Chamber" is too big to fit through the passages and so it must have been put in place during construction. Microscopic analysis of the coffer reveals that it was made with a **fixed point drill that used hard jewel bits and a drilling force of 2 tons. The coffer was sawn out of a block of solid granite. This would have required bronze saws 8-9 ft. long set with teeth of sapphires. Hollowing out of the interior would require tubular drills of the same material applied with a tremendous vertical force.** The Great Pyramid had a **swivel door entrance at one time**. Swivel doors were found in only two other pyramids: Khufu's father and grandfather, Sneferu and Huni, respectively.

If the height of the pyramid is taken as the radius of a circle, then the circumference of this circle is the same as the perimeter of the base. This provided the complimentary squaring of a circle and circling of a square. **The key to this relationship is knowledge of the value of Pi and designing the angle of the pyramid to be exactly 51 degrees, 51 minutes, and 14.3 seconds.**

### Embedded Constants:

**Tropical Year** or Calendar Year: The length of a base side is 9,131 Pyramid Inches measured at the mean socket level, or 365.24 Pyramid Cubits, which is the number of days in a year [ $9,131/25 = 365.24$ , accurate to 5 digits].

The perimeter of the base divided by 100 = 365.24, the number of days in a year. [ $9 131 \text{ Pyramid Inches} * 4 / 100$ , accurate to 5 digits]

**Tropical Year:** The length of the Antechamber used as the diameter of a circle produces a circumference of 365.242 (accurate to 6 digits).

**Tropical Year:** The ratio of the lengths of the Grand Gallery to the solid diagonal of the King's Chamber times 100 equals the number of days in a tropical year. [ $(1,881.5985600 / 51.516461) * 100 = 365.242200$ , accurate to 8 digits]

**Sidereal Year:** The length of the antechamber of the King's Chamber times Pi = length of a sidereal year [116.26471 Pyramid Inches \* 3.14159 = 365.25636 days, accurate to 8 digits]

**Sidereal Year:** The length of a base side at sidereal socket level is 365.256 Pyramid Cubits. [accurate to 6 digits]

**Mean Distance to the Sun:** Half of the length of the diagonal of the base times  $10^6$  = average distance to the sun.

**Mean Distance to the Sun:** The height of the pyramid times  $10^9$  represents the mean radius of the earth's orbit around the sun, or Astronomical Unit (AU). [5,813.235565376 Pyramid Inches x  $10^9$  = 91,848,816.9 miles]

**Distance to Moon:** The length of the Jubilee passage times 7 times  $10^7$  is the mean distance to the moon. [215.973053 Pyramid Inches \* 7 \*  $10^7$  = 1.5118e10 Pyramid Inches = 238,865 miles]

**Sun's Radius:** Twice the perimeter of the bottom of the granite coffer times  $10^8$  is the sun's mean radius. [270.45378502 Pyramid Inches \*  $10^8$  = 427,316 miles]

**Polar Radius:** The Sacred Cubit times  $10^7$  = polar radius of the earth (distance from North Pole to earth's centre) [25 Pyramid Inches \*  $10^7$  \* (1.001081 in / 1 Pyramid Inches) \* (1 ft / 12 in) \* (1 mi / 5280 ft) = 3,950 miles]

**Earth's Polar Radius:** The Pyramid embodies a scale ratio of 1/43,200. The height \* 43200 = 3,938.685 miles, which is the polar radius of the earth to within 11 mi. Radius of the Earth:

**The curvature designed into the faces of the pyramid exactly matches the radius of the earth.**

**Equatorial Circumference of the Earth:** The Pyramid embodies a scale ratio of 1/43,200. The perimeter of the base \* 43,200 = 24,734.94 miles, which is within 170 miles of the equatorial circumference of the earth.

**Earth's Volume:** The product of the pyramid's volume and density times  $10^{15}$  equals the ratio of volume to density of the earth. [10,339,823.3 cubic cubits \* 0.4078994 \*  $10^{15}$  = 4.21760772 x  $10^{21}$  cubic cubits = 259.93 x  $10^9$  cubic miles]

**Earth's Mass:** Mass of the pyramid = volume \* density = 10,339,823.3 cubic cubits \* 0.4078994 earth density = 4,217,497. The mass converted to pyramid tons = 4,217,607.72 \* 1.25 = 5,272,010 pyramid tons. Since the mean density of the earth was defined as 1.0, then the mass of the earth is  $10^{15}$  times the mass in pyramid tons = 5.272 x  $10^{21}$  pyramid tons = 5.99 x  $10^{24}$  Kg

**Speed of Earth around the Sun:** The Pyramid Inch times  $10^8$  = the speed of the earth around the sun, circa 2600 BCE

**Mass of the Earth:** The weight of the pyramid is estimated at 5,955,000 tons. Multiplied by  $10^8$  gives a reasonable estimate of the earth's mass.

**Average Land Height:** The average height of land above sea level for the earth is 5,449 inches. This is also the height of the pyramid.

**The Light Equation:** The height of the Great Pyramid, minus the height of the capstone represents one millionth the time it takes light to travel the mean radius of the earth's orbit around the sun (1 astronomical unit) using 1 Pyramid Inch equals 24 hours (mean solar day).  $[(5,813.2355653 - 103.0369176) / 10^6 = .0057101986+ \text{ days} = 493.36116 \text{ seconds} = 8 \text{ minutes}, 13.36 \text{ seconds}]$

**The Velocity of Light:** With distance of one A.U. known and the transit time of light for this same distance the velocity of light can be found.  $[91,848,816.9 \text{ miles} / 493.36+ \text{ seconds} = 186,169.5 \text{ miles/sec}]$

**The Sun's Parallax:** The size of the earth as viewed from the Sun and expressed as an angle and generally taken to be 1/2 the diameter at the equator (Solar Equatorial Parallax) is 8.9008091 seconds of arc using 91848,817 miles as the mean distance to the sun and 3,963.4914 miles as the equatorial radius. The distance between the mean socket level and the height of the leveled bedrock is 8.9008 Pyramid Inches.

**Astronomical Facts:** The Descending Passage pointed to the pole star Alpha Draconis, circa 2170-2144 BCE. This was the North Star at that point in time. No other star has aligned with the passage since then. The 344ft length of the Descending Passage provides an angle of view of only +/- 1/3 of a degree.

Alpha Draconis has not been in alignment for thousands of years. The next alignment will be with the North Star, Polaris, in about 2004 CE. Polaris in Greek means "Satan".

The southern shaft in the King's Chamber (45 deg, 00 min, 00 sec) pointed to the star Al Nitak (Zeta Orionis) in the constellation Orion, circa 2450 BCE. The Orion constellation was associated with the Egyptian god Osiris. No other star aligned with this shaft during that Epoch.

he northern shaft in the King's Chamber (32 deg, 28 min, 00 sec) pointed to the star Alpha Draconis, circa 2450 BCE

The southern shaft in the Queen's Chamber (39 deg, 30 min, 00 sec) pointed to the star Sirius, circa 2450 BCE Sirius was associated with the Egyptian goddess Isis and is also part of a unique ceremony practiced by the African Dogon tribe.

The northern shaft in the Queen's Chamber (39 deg, 00 min, 00 sec) pointed to the star Ursa Minor, circa 2450 BCE.

Pyramids Mirror the Orion constellation: the pyramid positions on the ground are a reflection of the positions of the stars in the constellation Orion circa 10400BCE Five of the 7 brightest stars have pyramid equivalents:

The 3 great pyramids of Khufu, Khafra, and Menkaura for the belt of Orion, the pyramid of Nebka at Abu Rawash corresponds to the star Saiph, the pyramid at Zawat al Aryan corresponds to the star Bellatrix. The only two missing star positions are for Betelgeuse and Rigel. Marks Spring Equinox: Due to the angle of the sides of the pyramid vs. its latitude, it casts no shadow at noon during the spring equinox.

**Precession of the Equinoxes:** The sum of the pyramid's two base diagonals in Pyramid Inches = length of the Precession of the Equinoxes (25,827 years)

**Precession of the Equinoxes:** The distance from the ceiling of the King's Chamber to the apex of the pyramid = 4,110.5 Pyramid Inches. Which is the radius of a circle whose circumference = the precession of the equinoxes.  $[4,110.5 * 2 * \text{Pyramid Inches} = 25,827]$

**Precession of the Equinoxes:** The perimeter of the 35th course of blocks, which is much thicker than any of the other courses, gives a figure for the precession of the equinoxes.

**Units of Measurement:** The Pyramid Inch (PI) = 1.0011 present inches, and 1.0010846752 British Inches. The Pyramid Cubit or Sacred Cubit = 25 pyramid inches.

The degree of engineering, mathematical, and astronomical skill and knowledge that was required to build this mighty monument is discussed in even more detail in his book. This is an article, not a book.

For the present, however, try to imagine constructing a building the size of the Great Pyramid with stone blocks weighing up to thirty tons each, and then having the building stand for at least four thousand years without its foundation settling so much as a fraction of an inch, even through a universal flood and earthquakes!

**When we consider this, we begin to get some measure of appreciation for its scientific perfection.**

The latest date mentioned for the completion of the Great Pyramid is 2170 BC, a date proposed by Dr. John Herschel because of **the fact that in that year a line drawn from the center of the pyramid base through its apex would intersect the star Alcyone in the heavens.**

Also, as of that year, **the long, straight shaft up the subterranean chamber would have pointed exactly to Alpha Draconis, the polar star of that year.** This position of these two stars in the sky in relation to the Great Pyramid will not occur again until the completion of the precession of the equinoxes, or 25,857 years later.

It is also amazing to note that when the length of the diagonals of the pyramid's base (in pyramid inches) is totaled, we have exactly 25,857 inches. The only thing wrong with Dr. Herschel's theory is that the builders of the pyramid could not possibly have known beforehand that it would be completed on a certain date.

Since no bodies were found inside, it was not a tomb. All the other pyramids have turned out to be burial chambers for rulers of Egypt. What was the **purpose** or **reason** for building this Great Pyramid? Was it intended to be for Khufu, until he disappeared and was never seen again? Or, did this pyramid actually have a different agenda?

The lack of hieroglyphics meant no history was recorded in the passageways about Khufu and no furnishings of any kind were discovered within the pyramid.

The reason for the pyramid's existence has been a puzzle for hundreds of years. There are many theories out there, but I am only going to discuss the one I think is best, at least for now. It is a modern theory and possibly more correct than others because it allows for modern technology.

Why is that necessary? Anything as detailed and structured so painstakingly to perfection has to have had a very good reason for existing. It was built to last, again for a purpose. This will be discussed in my next article on the Great Pyramid of Piza.

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# Article #4 – The Holy Bible: Bible in Stone

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Egypt has glorious future ahead of her, but it will only be realized when they set aside the 'flesh' and embrace the 'spirit' after the Messiah returns.

Abram was of the royal house in Ur. He had standing and wealth. God told him to leave Ur and go to Canaan. He obeyed but made a long stopover in Haran on the way there, which was not part of God's plan. His father and nephew travelled with him, along with all their belongings, animals and much wealth. His father stayed in Haran until his death. Abram and his nephew, Lot, continued the trip into Canaan. After a while Lot took his flocks and herds and went down into the Jordan Valley to live. Abram stayed put until severe famine hit Canaan.

Abram's entry into the land of Canaan in the time of famine was his first real test of obedience after he'd forsaken his father's household and left Haran. He was tested and he promptly failed. However, after his time in Egypt, he returned to Canaan and never left the land of Canaan again, though he did go into the coastlands later which were to be part of his inheritance.

The timeline created by David Down aligned Abraham with Pharaoh Khufu in a rather convincing manner.

## **Holy Bible, Genesis 11-12:**

Abram had lived in "Ur of the Chaldeans in a royal household."

Abram went down to Egypt to dwell there because there was a severe famine in the Canaan.

## **Antiquities of the Jews by Flavius Josephus: Book 1, Chapter 8:**

Abram went down to Egypt because of a famine in the land and Egypt had plenty of grain.

He wanted "to become an auditor of their priests, and to know what they said concerning the gods. He was designing either to follow them, if they had better notions than he, or, to convert them into a better way, if his own notions proved the truest."

Once Pharaoh learned the truth about Sarai, that she was not just his Abram's sister, but also his wife, he returned her to Abram. Abram asked to speak with the learned Egyptians and Pharaoh gave him permission to do so.

"...they gave him leave to enter into conversation with the most learned among the Egyptians; from which conversation his virtue and his reputation became more conspicuous than they had been before.

"For whereas the Egyptians were formerly addicted to different customs, and despised one another's sacred and accustomed rites. They were very angry one with another on that account.

"Abram conferred with each of them, and, confuting the reasons they made use of, everyone for their own practices, demonstrated that such thoughts were vain and void of truth.

“He was admired by those conferences as a very wise man, and one of great sagacity, when he discoursed on any subject he undertook; and this, not only in understanding it, but in persuading other men also to assent to him.

“He communicated to them arithmetic, and delivered to them the science of astronomy; for before Abram came into Egypt they were unacquainted with those parts of learning; for the science came from the Chaldeans into Egypt; and from thence to the Greeks also.”

In the beginning of time history was passed down orally, with few exceptions. These would be the Dead Sea Scrolls and Josephus for starters.

Since the pyramid points to all different stars, we need to discuss astronomy next before getting into the actual Biblical things in the construction of the pyramid.

## The Witness of the Stars

There appears to have been another means of preserving God’s plan of salvation for mankind: the names, groupings, and arrangements of the stars in their constellations.

This story is alluded to several times in the Book of Job, particularly in Job’s cry to the Redeemer. The account of God’s plan of redemption written in the stars is one of the more interesting (if not controversial) topics in Bibliography and ancient history.

The “Witness of the Stars uses the constellations and star names in the zodiac to tell the story of the Messiah. This is actually a misnomer because the Gospel was not revealed until Jesus began His earthly ministry, though the notion of a New Covenant” is certainly hinted at in the Old Testament by Isaiah, Jeremiah and even in the Pentateuch.

It would be better described as the “Plan of God” rather than the Gospel. This is first shown in Genesis 3:15, “And I will put enmity between you (the Serpent) and the woman, and between your seed and her seed; He (the Messiah) shall bruise your head, and you shall bruise His heel.”

We are told that the stars, moons and planets were given “for signs and seasons” and therefore tools to be used by God to communicate His message to us, as well as His Power and Glory.

One theory is that God named the stars and told them to Adam, Seth and Enoch, along with the story of coming redemption, who then organized the “Book of the Heavens” and in turn taught it to their children and others. This is confirmed in the Dead Sea Scroll called Enosh. Enoch had a vision in which God taught him mathematics, science and astrology and told him to teach it to his sons. He did so.

We no longer need the story in the stars because we have the Holy Bible, the inspired, written Word of God.

The “Witness of the Stars was badly corrupted at the time of the Tower of Babel. It was no longer taught and the people forgot all about mathematics, science and astrology. As time went by people were no longer highly intellectual but mostly laborers and religious clerics of type or another. Idolatry set in and spread all over the known world.



Some of this changed some after Moses and the Israelites met God at Mount Sinai and the laws of God were implemented upon them. Moses struck down hard on idolatry and the people began to learn a few things. They were hard hearted and did not learn well, but there were some who survived that God was greatly pleased with at the time.

This is not an article about the Jews and their adventures, however. You can get all of that information by reading the Old Testament. You can also learn the full story of God's plan of salvation in the New Testament.

need to get back to the Great Pyramid of Giza.

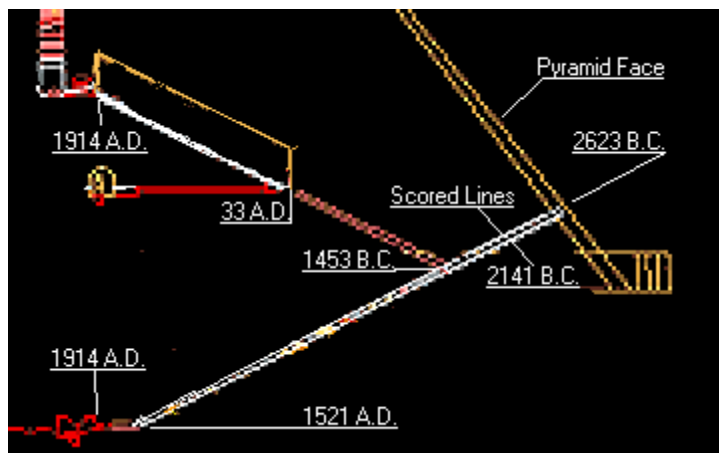
1. The latest date mentioned for the completion of the Great Pyramid is 2170 BC. Why? Because of the fact that in that year a line drawn from the center of the pyramid base through its apex would intersect the star Alcyone in the heavens.

2. Also, as of that year, the long, straight shaft up the subteranean chamber would have pointed exactly to Alpha Draconis, the polar star of that year.

The pyramid itself is proof that they had the knowledge at some point; by not teaching their sons, the knowledge was lost to them.

## Decoding the Mathematics of the Pyramid of Giza – Relating to Bible and Events over the years

*CHRONOLOGICAL MEASUREMENTS: When years are substituted for inches, the Great Pyramid becomes a prophetic calender. Dates shown include the alignment of the last Pole Star Draconis (Dragon Star) in 2141 B.C., the start of the Pyramid's construction in 2623 B.C., the Exodus of the Israelites from Egypt in 1453 B.C., the death of Christ in 33 A.D., and the start of World War I in 1914, to name just a few of them.*



The only scribing in the Pyramid, which are in the Descending Passage, depict the year 2141 B.C., the year that the last Pole Star was aligned with the Descending Passage. The Pyramid was built 4,517 years ago in 2623 B.C. (Since there was never a year zero, an additional year must be subtracted). From the

point representing the building of the Pyramid to the point where the Descending Passage meets the Ascending Passage is 1,170 inches, which exactly marks the year of the Jewish exodus from Egypt in 1453 B.C. (See illustration above.)

From the beginning of the Ascending Passage to the beginning of the Main Gallery is 1,485 inches. If 1,584 is added to the date of the exodus of the Jews from Egypt (start of the Ascending Passage), the result (if fractions of an inch are taken into account) is April 3, 33 A.D., the crucifixion of Christ and the start of the Main Gallery.



The intersection of the Queen's Chamber floor with the floor of the Ascending Passage at its opening into the Grand Gallery creates a triangle. The triangle's length along the Ascending Passage of 33,512 Jewish inches places the intersection of the Queen's Chamber floor and the Ascending Passage at September 29, 2 B.C., the date of the birth of Christ. (Our calendar contains a two-year error. When historians originally attempted to count backward to the birth of Christ, they did so by accounting for the Reign of Kings. One of the kings counted was actually ruler of his country twice, the second time under a different name for a period of two years. When the years of rule were counted, this king's reign was mistakenly counted twice).

Coincidentally, the horizontal base of the triangle in the Pyramid is 30,043 inches, or 3,469 inches short of the crucifixion, which corresponds to the date of October 14, 29 A.D., the date of Christ's baptism.

Over 4,600 years ago and over 1,000 years before the first book of the Bible was written, the Ascending Passage exactly depicted in inches (years) and fractions of an inch the exodus of the Jews, and the birth, baptism, and crucifixion of Christ. All that was stored in a stone structure with no written message on it.

The excerpt above and pictures are from "Inside the Great Pyramid of Giza" by John Zajac. This website information above can be seen at [www.europa.com/~edge/giza.html](http://www.europa.com/~edge/giza.html) The website is beautiful and full of information on the Great Pyramid of Giza. I highly recommend you visit the site and enjoy all the information he has there for readers interested in the Pyramid of Giza. I have given you just enough information to whet your appetite!

## How did they actually accomplish the building of the pyramid?

There are many theories around to explore, from ridiculous to possibly plausible. The Egyptians at this time did not have the tools to build it, nor did they have horse and buggy to get around or ferry supplies across land.

There were no computers, railroads, or self-propelled hydraulic cranes.

Could slaves hack out 2,600,000 giant blocks from the quarries? What kind of tools would they have had to do so? There was no dynamite, no explosives in those days. How were the blocks dressed?. Most

of the stones were fitted with seamless joints and were not all the same sizes. Stones on either side of the passage were exact matches, even though different sizes were used in the passages.

**It would require a minimum pressure of two tons to dress these stones!** How do you transfer these huge, very heavy stones from the quarry to the building site and how do you get them up into place? How could they afford to feed thousands of people to work on all these various projects. Where would they get enough ropes for all those blocks to be pulled; they could not go to the store and buy them! The minimum weight of the stones was three tons!

**Where did Pharaoh find an architect who could design a building with such precise measurements?**

Some people think they used wooden rollers under the blocks. Where would they get enough of those. Egypt was mostly desert at that time. There were no forests in Egypt. There would have been a loss factor of about 10 rollers per stone. The pyramid would have required 26 million wooden rollers to move 2,600,000 stones. Do not forget the 144,000 facing stones that were also two to sixteen tons each.

A primitive people could not possibly have built this pyramid at this time.

This pyramid stands in Egypt, but it is not OF Egypt. The pyramid is intensely religious in symbolism, purpose, and themes, but carries no religious marks or signs of any kind. Standing in the middle of an idolatrous country where at one point the people were worshipping God, the total absence of such writings on the pyramids is most significant.

This is further proof that the pyramid was well before the flood by divine design and power.

**Scientists have been trying for years to use their electronic equipment to pierce the inside with their equipment and are being confused by getting different readings ever day from the same location!**

What is causing the difference in the readings? Scientists are genuinely puzzled by this fact.

Scientists say it defies all the known laws of science and electronics and indicated piles of recordings nearby. The scientist was hesitant to give an answer to the cause of this problem.

He said, "Either the geometry is wrong or there is here a mystery which is beyond explanation. Call it what you will, occultism, curse of the Pharaohs, sorcery or magic—there is some force that defies the laws of science at work in the Pyramids!" They even had tools beyond what we have today.

Let us stop a moment to think about that. They had over a thousand years to develop technology and lived longer to do it. We have only had two hundred years or less to get where we are today. Imagine how much more we would know if we were around for another 1000 years. Is it any wonder their knowledge and skill levels were more advanced than ours of today?

That is one reason God wiped everything away with the flood. God had not intended man to have such high knowledge, the knowledge of the angels. Instead of doing them good, they became extremely evil. Murder was rampant. God looked down upon them and regretted he had even created them. Of course he knew they would do that, so he had prepared a coming Savior that could rescue them by becoming a sacrifice for them, shedding his blood to make them righteous before a holy God. This Savior was God's own Son, born of a human virgin mother, with God as the Father.

Just look around now and see how evil the world has become! Mankind has not done any better this time around. One difference...Jesus has already been crucified for our sins and we are looking back at our Savior while the Old Testament time believers were looking forward to their salvation.

Even with their most marvelous computers, man cannot solve the enigma of the Pyramids, nor can they even produce a copy of one. Modern man does not have the equipment, tools and knowledge to copy the “altar” that God had men build before the flood. This “altar” stands tall in our current world, a living testament to all of us that we have a loving God who is reminding us that we have a God who will forgive our sins, no matter how bad we have been. All we have to do is ask him to forgive us and turn our lives around and live for him. God’s grace is sufficient for all mankind.

The Great Pyramid was constructed on solid rock that was leveled around the baselines, with cornerstones which were sunk eight inches in the rock with balls to protect the structure from severe earthquakes and flood! The geometry, algebra, physics and astrology are all perfect according to modern man’s figures. They knew the earth revolved around the sun, that all planets, stars and galaxies were traversing a circular path, and the entire mass was revolving in a greater circle around some common focal point.

There is only one possible answer. God is the great architect! He obviously revealed this to Enoch during his vision in the same way that God revealed to Noah how he was to build the ark so that it would hold all the animals and withstand the terrible rough seas that would happen when God opened up the depths of the earth to let loose all the waters beneath it!

During the flood the plates of all the continents were separated to allow the flood waters to come up and bury the land up to 22 feet above the highest mountains. After the flood he allowed most of the waters to return to the depths, but he kept enough water around to separate the nations of the world by great seas. God stored a lot of the waters as ice at the North and South poles, some dried off into the atmosphere from whence the rains had come down in the first place.

All this activity created a small ice age. You can read all about this in “The Genesis Flood” by John C. Whitcomb and Henry M. Morris.

Through all this activity the Great Pyramid of Giza and the Sphinx which is close to it, survived. There is evidence on both that shows water damage to verify that point.

#### **Holy Bible:**

Genesis 7:9-24, “They came into the boat in pairs, male and female, just as God commanded Noah. One week later, the flood came and covered the earth. When Noah was 600 years old, on the seventeenth day of the second month, **the underground waters burst forth on the earth, and the rain fell in mighty torrents from the sky. The rain continued to fall for forty days and forty nights...for forty days the floods prevailed, covering the ground and lifting the boat high above the earth, standing more than twenty-two feet above the highest peaks...every living thing on the earth was wiped out—people, animals, both large and small, and birds. They were all destroyed, and only Noah was left alive, along with those who were with him in the boat. And the water covered the earth for 150 days.**

#### **The Book of Enoch: (Noah speaking)**

Enoch 65:6-18: “And Enoch my grandfather came and stood by me, and said unto me: ‘Why hast thou cried unto me with a bitter cry and weeping? A command has gone forth from the presence of the Lord concerning those who dwell on the earth that **their ruin is accomplished because they have learned all the secrets of the angels. And all the violence of the Satans, and all the powers of the most secret ones and all the power of those who practice sorcery, and the power of witchcraft, and the power of those who make molten images for the whole earth: And how silver is produced from the**

dust of the earth, and how soft metal originates in the earth. For lead and tin are not produced from the earth like the first: it is a fountain that produces them, and an angel stands therein, and that angel is pre-eminent...'

"And He said unto me: **"Because of their unrighteousness their judgment has been determined upon and shall not be withheld by Me forever. Because of the sorceries which they have searched out and learned, the earth and those who dwell upon it shall be destroyed.**

**And these have no place of repentance forever, because they have shown them what was hidden, and they are the damned:** But as for thee, my son, the Lord of Spirits knows that thou art pure, and guiltless of this reproach concerning the secrets.

And He has destined thy name to be among the holy and will preserve thee amongst those who dwell on the earth, and has destined thy righteous seed both for kingship and for great honor. **And from thy seed shall proceed a fountain of the righteous and holy without number forever."**

#### **Book of Enoch: God talking to Noah**

67:1-5a: "And in those days the word of God came unto me, and He said unto me: 'Noah, they lot has come up before Me, and lot without blame, a lot of love and uprightness. **And now the angels are making a wooden building and when they have completed that task I will place My hand upon it and preserve it.** And there shall come forth from it the seed of life and a change shall set in so that the earth will not remain without inhabitant.

And I will make fast they seed before me forever and ever, and I will spread abroad those who dwell with thee: it shall not be unfruitful on the face of the earth, but it shall be blessed and multiply on the earth in the name of the Lord.' And He will imprison those angels, who have shown unrighteousness..."

#### **Book of Jubilees: Noah and the Flood**

5:3-And God said: "I shall destroy man and all flesh upon the face of the earth which I have created."  
**But Noah found grace before the eyes of the Lord.**

And against the angels whom God had sent upon the earth, He was exceedingly wroth, and He gave commandment to root them out of all their dominion, and He bade us (the good angels?) to bind them in the depths of the earth, and behold they are bound in the midst of them and are kept separate.

And against their sons went forth a command from before His face that they should be smitten with the sword, and be removed from under heaven. And He said, "Thy spirit will not always abide on man; for they also are flesh and their days shall be one hundred and twenty years.

And He sent His sword into their midst that each should slay his neighbor, and they began to slay each other till they all fell by the sword and were destroyed from the earth.

And their fathers were witnesses of their destruction, and after this they (the fallen angels) were bound in the depths of the earth forever, until the day of the great condemnation when judgment is executed on all those who have corrupted their ways and their works before the Lord...

In regard to all He will judge, the great according to his greatness, and the small according to his smallness, and each according to his way. **And He is not one who will regard the person of any, nor is He one who will receive gifts**, if He saith that He will execute judgment on each...

**It is written and ordained that He will show mercy to all who turn from all their guilt** once each year. And as for all those who corrupted their ways and their thought before the flood, no man's person was saved excepted that of Noah alone; for his person was accepted in behalf of his sons, whom God saved from the waters of the flood on his account.

...and He commanded Noah to make him an ark, that he might save himself from the waters of the flood. And Noah made the ark in all respects as He commanded him, in the twenty-seventh jubilee of years, in the fifth week in the fifth year on the new moon of the first month.

And he entered in the sixth year thereof, in the second month, on the new moon of the second month, till the sixteenth; and he entered, and all that we (good angels?) brought the animals to him into the ark, and the Lord closed it from without on the seventeenth evening.

And the Lord opened seven floodgates of heaven, And the mouths of the fountains of the great deep, seven mouths in number. And the flood-gates began to pour water down from the heaven forty days and forty nights, and the fountains of the deep also sent up waters, until the whole world was full of water. And the waters increased upon the earth. Fifteen cubits did the waters rise above all the high mountains, and the ark was lifted up above the earth, and it moved upon the face of the waters.

...Noah and his sons observed it for seven jubilees and one week of years, till the day of Noah's death, and **from the days of Noah's death his sons did away with it until the days of Abraham**.

There is much more in this book of Jubilees, but you have a taste of what is contained in this book. The three books, Enoch, Jubilees, and Jasher are available in a single book format. I would recommend you get it and read all the little extra insights that you get that not only confirm the Bible but fill in a few interesting details here and there. See the list of books and websites at the end of this article.

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