



# ANCIENT TECHNOLOGY

## Part 1

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### INTRODUCTION

During our last program on September 22<sup>nd</sup>, we happened to discuss the perspective of ancient technology, and specifically the giant Egyptian pyramid of Cheops along with the advanced technology of Puma Punku which is on the Bolivian and Chilean border. Surprisingly, the response to the program was overwhelming with listeners wanting to be exposed to additional information on this subject. In reply to those requests, let's go back and briefly revisit the pyramid of Cheops and then over the next several months look at the subject of ancient technology.

Of all the megaliths on earth, the most well known are the giant pyramids in Egypt. The pyramids were constructed about 2,500 B.C., or about 4,500 years ago in the desert of Egypt, and still remain in fairly good condition today. As grand as the pyramids are, the technical expertise required for their design and construction are often taken for granted. Specifically, the great pyramid Cheops, was inspired and built by Pharaoh Khufu, and was supposedly constructed by "*a simple farming community that did not have the wheel or pulley*" (as stated in the Penguin Atlas of Ancient Civilizations). However, over the past several hundred years, it has become apparent through scientific research and analysis that the

Egyptians were familiar with, and used an advanced level of technology that we are not familiar with in modern times. To further expand on this perspective, Christopher Dunn who is an engineer with a background in advanced machining has been to Egypt nine times to record the capabilities of the ancient Egyptians. As a result, Mr. Dunn has been featured on the History Channel and has written two books on the subject - - *The Giza Power Plant, Technologies of Ancient Egypt*, and *Lost Technologies of Ancient Egypt* with a commendable and astounding amount of facts and photographs to lend credibility to his viewpoints.

*Note: Christopher Dunn will be featured "live" on TheDove on October 11<sup>th</sup> at 8 am (PCT) to expand on the technologies of the ancient Egyptians and answer any questions on the subject. It must be mentioned that there is some controversy regarding the composition of the blocks of stone used in the pyramids as some believe they are made from a geopolymer limestone (known as The Geopolymers Theory). However, this theory does not address the purpose of the pyramids or the technology of the Egyptians.*

### THE GREAT PYRAMID OF CHEOPS (KUFU)

As a starting point, let's briefly consider some quotes from Mr. Dunn's book that should require careful thought and analysis as applied to the giant pyramid of Cheops, considering that conventional history has always believed that the pyramids were used as burial edifices for Pharaohs:

- Certain characteristics of the Great Pyramid do not fit the expectations one would have for a burial place
- Part of this problem among academics is a persistent barrier in their beliefs which has resulted in their unwillingness to consider ancient civilizations as being advanced
- The Great Pyramid is the largest, most precisely built, and most accurately aligned building ever constructed in the world
- The accurate detail and precision with which the Great Pyramid was built were clearly very advanced, even when compared to the efforts of modern technologies
- Respected builder and architect James Hagan (designed Walt Disney shopping village in Florida, the Sanford Stadium in Atlanta, and the MARTA Five Points Central Station in Atlanta) has stated that *"it would be impossible to build a Great Pyramid today using modern building methods, and, therefore, impossible by primitive methods"*
- This is why I laugh when I hear intelligent men and women proposing that the pyramids and other artifacts were created using hammers and chisels. There is no evidence to support the speculation that a civilization, for one

brief period of time, could produce work that is so advanced it would be considered supernatural to the members of that society

- In 1975, U.S. Egyptologist Dr. Mark Lehner stated *"no burial has ever been found in any pyramid in Egypt"*
- Considering that more than 80 pyramids have been discovered in Egypt, this fact alone practically negates the tomb theory

Now, let's take a brief look at some of the technology that is displayed by the giant pyramid:

- The meridian running through the pyramid divides the continents and oceans into two equal halves
- The centerline of the pyramid lies at the center of gravity of the continents
- The area of the base of the pyramid divided by twice its height gives the mathematical figure of Pi (3.14)
- The base of the pyramid covers 13 acres and is level to within 7/8 inch. Additionally, the ground has only sunk about 1.5 inches in over 4,500 years. It is known that "tube drills" were used to level the base for the pyramid
- The larger blocks of granite used for the "tomb area" within the pyramid weighed up to 70 tons each and came from a quarry in Aswan, 500 miles away. This granite has a high (over 55%) content of quartz crystal
- 2,300,000 gigantic blocks were cut out of quarries, dressed, transported, and fitted together on the building site to within the nearest thousandth of an inch. Additionally, some type of cement was used between the blocks (which makes a bond stronger than the blocks) of which the composition is still unknown
- The pyramid contains more stone than that used in all the churches, cathedrals, and chapels built in England since the time of Christ
- The northern face is perfectly aligned to true north, the eastern face perfectly to true east, the southern face perfectly to true south, and the western face perfectly to true west
- The error of the pyramid sides only deviate from true of less than 0.015 per cent, considered incredible accuracy for any building in any epoch
- There is a difference of less than 8 inches between the shortest and longest side of the pyramid, and an error of less than 1%
- Egyptologists believe it took about 20 years to construct the pyramid. If there are 2.3 million blocks up to 15 to 18 tons each, and if masons worked ten hours a day, 365 days a year, they would have had to place 31 blocks per hour, or one block every two minutes
- It is commonly alleged that building the pyramid required ramps up the sides so blocks of stone could be dragged up the ramps and placed into position.

However, the Egyptology department at Oxford University has calculated that to accomplish this method, the length of the ramp and the width of its base would have to be increased in order to maintain a constant gradient (about 1 in 10), and to prevent the ramp from collapsing. To carry an inclined plane to the top of the pyramid at a gradient of 1 in 10 would have required a ramp 4,800 feet long and more than three times as massive as the pyramid itself

Even though the preceding facts are extraordinary; some of which are beyond the scope of modern construction methods, there are several more fascinating items that are unique to the giant pyramid of Cheops. First, it is assumed that Cheops and the other pyramids (there are over 80 pyramids in Egypt) were tombs for the pharaohs. However, the current evidence is against this assumption. Surprisingly, no Egyptian pharaoh has ever been found in a pyramid. According to the archaeologist Kurt Mendelssohn, *"While the funerary function of the pyramids cannot be doubted, it is rather more difficult to prove that the pharaohs were ever buried inside them."* Secondly, in 820 A.D., Calif Al Mamun constructed a passageway from the exterior of the pyramid to the interior. This passageway intersected one of the numerous hidden passageways in the interior of the pyramid. This discovery has led to the additional discovery of numerous passageways and unexplained chambers within the interior that would not be used for funerary purposes.

So, if the pyramids were not tombs, and the Great Pyramid Cheops was constructed with numerous unexplained chambers and passageways that far exceed the requirements of a tomb, what was their primary purpose? One theory is they were astronomical observatories, another is they were geodetic markers, and still another is they were for initiations. One of the more popular (although controversial) is the *"power plant theory"* which postulates Cheops was a geomechanical power plant that responded sympathetically with the vibrations of the earth and converted that energy into electricity. Interestingly, the word pyramid means *"fire in the center."* The following items give this theory some credibility when applied to the pyramid Cheops:

- The King's Chamber is constructed out of granite from Aswan quarries. This granite contains over 55% silicon quartz crystals. Quartz crystals have the ability to convert mechanical energy into electrical energy (piezoelectric effect). Crystal does not create energy, it just converts one kind of energy into another

- Above the King's Chamber are five rows of red granite beams, for a total of 43 beams weighing up to 70 tons each! Each layer of beams is separated by a space that a person can crawl into
- The beams are not restricted from vibrating and can react to induced motion and freely vibrate
- Each beam has been hand carved to resonate at the same frequency. That frequency is the F# chord which is the same fundamental frequency of the earth (coupled oscillator effect)
- The room that is referred to as the "Kings Chamber" is also made from red granite and is suspended on a corrugated base
- It is hypothesized the Grand Gallery (the passageway that leads up to the Kings Chamber had resonators installed to convert the earth's vibrations into sound waves and direct them into the King's Chamber. Over a thousand basalt vases that could have been resonators have been found at Saqqarra
- If sound waves were directed into the Kings Chamber, and up into the cavity with the aforementioned beams, and these sound waves were the same frequency as the resonate frequency of the beams, they would vibrate and cause the walls of the Kings Chamber to oscillate (upward and downward) enhancing the piezoelectric effect)
- This vibrational energy would have been converted into a type of microwave/electric energy that could have been used outside the pyramid

In summary, the precision and technology of the pyramid of Cheops equals or exceeds the technology of modern times and was not discovered until scientists were able to use sophisticated tools and equipment (lazars, etc) to measure the accuracy of the pyramid!

## **BIBLIOGRAPHY**

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Field & Tuer



# ANCIENT TECHNOLOGY

## Part 2

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### INTRODUCTION

When the debate between evolution and creation is considered, there is one item of specific interest that is occasionally discussed but is always approached from two divergent viewpoints. That subject is the level of intelligence and capabilities of ancient man. A basic premise of evolution states the universe and all life is evolving from disorder to order, and as a result, man has evolved from an animal to modern man with an advanced level of intelligence and technology. Contrary to this viewpoint is the biblical account that clearly states Adam and Eve were created with a high level of intelligence in order to subdue and rule over the earth. These divergent viewpoints present an interesting dilemma. Either man has evolved from an animal and has slowly acquired a high level of intelligence over hundreds of thousands of years, or man was originally created with a high level of intelligence that has continued to increase to modern times over a few thousand years.

To solve this dilemma, we can look at ancient evidence presented by historical accounts. Webster's Dictionary defines history as "*an account of what has happened in the life of a people and/or country; all recorded past events; the branch of knowledge that deals systematically with the past,*" and "*known or recorded past.*" Webster's Dictionary also defines evidence as "*something evident; a statement of an object, bearing on or establishing the point in question,*" and "*plainly seen.*" With

these thoughts in mind, if we look at ancient historical evidence, we should either see evidence of obscurity slowly evolving to a level of high intelligence, or an initial level of high intelligence that has either continued to modern times, or in some cases, exceeded the level of intelligence of modern times.

Surprisingly, if we look at ancient historical evidence with an unbiased mind, we find there is something inconsistent about our past. Instead of finding a lack of advanced intelligence and technology, we find evidence of incredible technical achievements that existed in the past, some of which cannot be duplicated today! There is also something clearly inconsistent about modern archaeology for the reason we find examples of electric batteries and advanced astronomical knowledge thousands of years ago! As an example, parabolic telescope lenses dated from the seventh century B.C. have been discovered in South America. If ancient evidence is carefully analyzed without the modern dogma of "*ancient means primitive*," then a different picture of ancient man and technology begins to emerge. However, is this possible? If we approach this question from a biblical perspective, the solution becomes more understandable if we consider that man was created with a high degree of intelligence as delineated in the first two chapters of Genesis.

*Note: All following biblical quotes are taken from the New English Translation (NET Bible) unless otherwise noted.*

## **ANCIENT TECHNOLOGY**

When technology, intelligence, and ancient man are discussed, rarely are these three items ever simultaneously considered in the same discussion. However, if they are, at least one of the following questions is normally asked:

- Is this subject relevant to modern times?
- How old is ancient?
- How could ancient civilizations develop a high degree of technology?
- Why isn't this subject common knowledge?
- What happened to the evidence of ancient technology?
- Does the bible refer to ancient technology?
- What level of technology did the ancients attain?

To answer these questions, let's look at each one in detail.

### **IS THIS SUBJECT RELEVANT TO MODERN TIMES?**

Depending on your viewpoint of the origin of mankind and the universe, this subject has the capability to determine your future! If you believe the universe and mankind evolved from random chance over billions of years, then



you are just an evolving animal with no future or purpose. However, if you believe that God created the universe, mankind, and has a purpose for your life, then the creator offers you a future with a purpose.

This subject is also relevant from the perspective of accuracy. If mankind has evolved from animals, then ancient technology should be absent until modern times. However, if God created Adam and Eve with the knowledge necessary to rule and subdue the world, then ancient technology should be evident and support the fact the bible is accurate in its description of the creation of the universe, the earth, and mankind. Additionally, the evidence of ancient technology should also give a believer another reason to believe that science and archaeology support the biblical account of creation as an alternative to every "*new finding*" that modern science uses to dilute the accuracy of scripture.

### **HOW OLD IS ANCIENT?**

Let's begin by looking at the definition of ancient and old as found in Webster's Dictionary which is as follows; "*of times long past, very old, having lived or existed for a long time,*" and "*designating the earlier or earliest form of something.*" If we apply these definitions to the words ancient and old, we must consider two different definitions from the perspective of evolution and creation.

First, evolution states that the universe is about 15 billion years old, the earth is approximately 4.5 to 5 billion years old, and man appeared after evolving from apes about 1 million years ago. During the alleged evolution of man, he progressed from an ape-like creature to modern man, and also evolved from animal-like intelligence to cave men, the stone age, bronze age, and so on to the pinnacle of evolution which is modern man with an advanced level of technical knowledge that has only been apparent during the past 50 to 100 year. So when the definition of ancient is applied to the evolution of man, the definition normally includes hundreds of thousands of years.

However, when the definition of ancient is applied to creation, the definition of ancient is suddenly reduced to thousands of years. As delineated in Genesis, the universe and earth are only about 6,000 to 7,000 years old, and therefore, mankind who was created on the sixth day of creation is also about 6,000 to 7,000 years old. Before we continue, let's take a brief look at how the bible delineates a time frame of 6,000 to 7,000 years of age for the universe and mankind.

First, the book of Genesis repeatedly uses the word "day." But, what is the definition of a biblical day? The Hebrew word for day is "*yom*" which can be

defined as various periods of time. However, when the word *yom* is preceded by a numeric, or associated with evening and morning, or associated with night, it **always** means a 24 hour day! Interestingly, the account of creation as outlined in the first two chapters of Genesis always uses the word day (or *yom*) with a numeric, evening and morning, and/or night. So Genesis begins with the definition of a “*day*” as 24 hours!

Secondly, if the seven days of creation are seven 24 hour days, how long ago did creation take place? The answer is **about** 6,184 years ago. The word “*about*” is used because the exact time frame for the Egyptian Sojourn and the Israelite Monarchy is not known (although they are likely in the hundreds of years, if at all). So the biblical chronology for the approximate date of creation is figured as follows (going backwards):

- 2010 years since the present to BC/AD
- 2,170 years from BC/AD to Abraham
- 352 years from Abraham to the flood
- 1,656 years from the flood to creation
- A total of 6,188 years

Therefore, the definition of ancient as applied to the biblical account of creation yields a definition of ancient that dates back about 6,000 to 7,000 years ago! So when we apply the question of “*how old is ancient*” to the biblical account of mankind and for the intent of this discussion, we will primarily focus on the time frame between the creation of man and approximately the third century for an approximate total of 4,378 years. It is more than interesting that when the dates of ancient technology (that have been discovered) are reviewed, most of the dates fall into the time range of about 6,000 years ago to about the third century A.D.! This is a challenging dilemma for evolutionary theory that considers ancient technology impossible or at best, unexplained.

### **HOW COULD ANCIENT CIVILIZATIONS HAVE DEVELOPED A HIGH DEGREE OF TECHNOLOGY?**

To answer this question, let’s look at the first book of the Bible, Genesis. When Adam and Eve were created, God commanded them to “*rule over the fish of the sea and the birds of the air and every creature that moves on the ground.*” Additionally, God commanded Adam and Eve in Genesis 1:28 to “*fill the earth and subdue it.*” In the Hebrew, this means “*to harness its potential and use its resources to their benefit.*” In order for Adam and Eve to carry out these commands, God equipped them with the necessary intelligence to rule the world! Continuing thru Genesis, we find that approximately 1656 years elapsed

from Adam and Eve to the Noahic global flood. At the time of the flood, it is estimated there were 3 to 7 billion people on the earth and they all spoke the same language with the same vocabulary (Genesis 11:1). Additionally, if the genealogy in the first eleven chapters of Genesis is closely examined, the average age of a person prior to the flood was about 912 years. During this time in history, one should contemplate what level of technology could be attained in 1656 years with millions of people working together, speaking the same language, and with an average life span of 912 years! To put this statement in the proper perspective, remember that Columbus sailed the ocean in a simple wooden boat on a world that was considered flat, and discovered America in 1492. So, in approximately a little over 500 years, we have progressed from Columbus and his discovery of America to advanced space exploration!

Continuing with biblical history, the sixth chapter of Genesis goes on to say that after the flood the population (some estimates have placed the time frame at 100 years after the flood and about 30,000 to 33,000 people) were willfully disobeying God and were attempting to build a tower to the heavens to display their achievements. However, after reviewing the construction of the Tower of Babel, the LORD made the following comment in Genesis 6:10; *"If as one people all sharing a common language they have begun to do this, then **nothing** they plan to do will be beyond them."* So, when God changed a single language into numerous languages approximately 1756 years after Adam and Eve, it is logical to assume the population of the world at the time of the Tower of Babel would have developed an appreciably higher level of intelligence than the intelligence of Adam and Eve.

### WHY ISN'T THIS SUBJECT COMMON KNOWLEDGE?

The answer to this question is relatively straight forward. Some of the advanced level of technology developed by ancient civilizations **is** known, but the majority of this technology is simply ignored. Why? Because if there was advanced technology thousands of years ago, then the concept of evolution as applied to mankind would present a question that would be difficult for evolutionary theory to answer. It is a fact the amount of evidence regarding ancient technology is not only substantial, but is also credible enough that modern archaeologists have coined a specific phrase that applies to this subject. That phrase is **OOPARTS** which stands for *"out of place artifacts!"* However, although the archaeological community and related scientific fields are aware of ancient technology, it is commonly labeled *"amazing," "mysterious," "unexplained,"* an *"anomaly," "mystic places,"* or one of the most popular current explanations is *"the result of alien visitors."*

With the continuous discoveries of science and archaeology, it is difficult to not be aware of the Egyptian pyramids, Stonehenge, Easter Island, and Mayan astronomy. Even though these examples are clear evidence of advanced ancient technology, there are numerous other examples that are not common knowledge because they are not reported or are specifically ignored. As an example, although you commonly see programs on the History and Discovery Channel about the pyramids and the intricate gold artifacts found in the tomb of King Tutankhamen, do you recall any similar programs on the level of advanced knowledge attained by the Parthian civilization before the time of Christ? A popular book that details the technology of the ancients is titled *Technology of the Gods*. Notice the title implies that ancient technology is the result of “*alien visitors*.” From a common sense perspective, ancient technology that is labeled alien or mysterious does have an explanation, but the explanation is dependent upon your perspective. Either you believe technology slowly developed over hundreds of thousands of years until it reached the level of technology that we enjoy in modern times, or mankind was created about 6,000 to 7,000 years ago with advanced knowledge that would be evident around the world and be dated to just thousands of years ago.

#### **WHAT HAPPENED TO ANCIENT TECHNOLOGY?**

With a brief review of history, this question can be answered from three perspectives. The first perspective is based on the historical biblical account of a global flood in chapters six through eight of Genesis. As the flood completely overwhelmed the earth, the earth was flooded for over 300 days and all mankind except life on the ark was destroyed. This global catastrophe would have destroyed mankind with the level of intelligence that had been attained to that point in history. Interestingly, once Noah and his family had left the ark after the flood waters receded and the earth was dry, they would have been aware of the level of technology attained prior to the flood but would not have had the capability to restore that technology in a timely manner. As a simple example, suppose you and seven other people were suddenly placed on a large island with abundant resources. Although you are familiar with automobiles, televisions, radios, cell phones, and all of the other technical achievements we take for granted, how long would it take you to recreate those achievements?

The second perspective is the impact of the Tower of Babel on mankind. Once technology started to increase in the post flood era, technology was dealt another setback when the LORD confused the people at the Tower of Babel by dividing their single language into numerous languages. As groups of people

would have divided and spread to other new areas, they would also have been aware of the level of technology attained to that point but unable to restore that technology until their capabilities would have developed and increased.

The third perspective centers on the fact that a considerable amount of ancient technology has been destroyed. A review of historical accounts substantiates the fact that over the age's, technology has been destroyed as civilizations were conquered and ultimately subdued and assimilated by their captors. When civilizations were conquered, it was common practice to destroy their past and heritage so they would assimilate into their conquerors more easily. As an example, consider the following synopsis:

- The Bible, Mahabharata, Koran, and Tao Te Ching all speak of ancient civilizations being destroyed
- Emperor Chin Shih Huang Ti, 212 B.C. ordered all texts of history, astronomy, philosophy, science, the works of Confucius and Mencius, and the royal library destroyed prior to his death
- The Romans destroyed the complete library of Alexandria which contained over 500,000 volumes of Ptolemy Soter which included all the traditions of mankind
- Fanatical Christians, 3<sup>rd</sup> Century A.D., destroyed the "True History of Mankind over the Last 100,000 Years"
- Spanish conquistadors destroyed every Mayan Codex they found
- All books in the Byzantine Empire were ordered destroyed
- Genghis Khan, Hitler, Stalin, and so on

Although ancient technology has increased over the ages since the flood, it has not been a linear progression until more recent times.

### **DOES THE BIBLE REFER TO ANCIENT TECHNOLOGY?**

The Bible can be divided into two distinct parts. The New Testament is the story of Christ, his ministry, death, resurrection, salvation through grace, and heaven. The Old Testament is basically the story of a nomadic farming people from the time of creation to the time of Christ. However, the Bible does have a limited amount of ancient scientific facts that are still accurate today. As an example, Job (probably dated to the second millennium B.C.) has numerous references to ancient science. Some examples are Job 38:12-14 (earth rotates on its axis), Job 26:8 (water is carried in the clouds), Job 26:7 (the earth hangs on nothing), and Proverbs 8:27 (the earth is round). Other examples are Isaiah 40:12 (principle of Isostasy), Job 11:7-8 (size of the universe), I Corinthians 15:41 (precision of orbits), and so on. Actually, there are over 55 references to scientific facts in the old and new testaments.

### ***WHAT LEVEL OF TECHNOLOGY DID THE ANCIENTS ACHIEVE?***

This question is the cornerstone of the ancient technology debate. If ancient evidence is carefully analyzed without the modern dogma of ancient means primitive, then a different picture of ancient man and his capabilities begins to emerge. Next month, we will look at some examples of ancient technology which may be quite surprising to the casual observer of ancient history.