



## King Tutankhamun

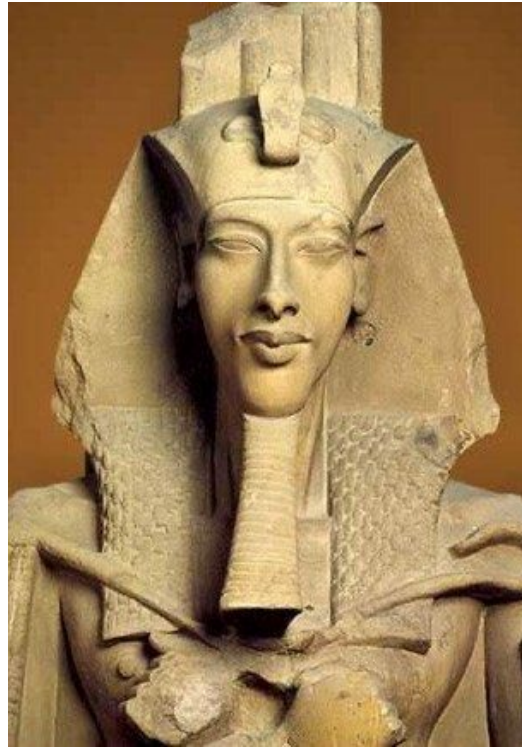
### *Introduction*

This book written And collected by author of Egy King blog, He summarizes the life story of King Tutankhamun, family percentage and the latest theories that support percentage in addition to talking about his tomb and its discovery also the treasures of Tutankhamun's tomb .

<http://www.egykingblog.com>

The 18<sup>th</sup> dynasty was one of the most powerful royal houses of ancient Egypt. The late 18<sup>th</sup> dynasty, which included the reign of Akhenaten and Tutankhamun was an extraordinary and mysterious time. The recent identification of a number of royal mummies from this era, the exact relationships between some members of the royal family and possible illnesses and causes of death have been matters of debate.



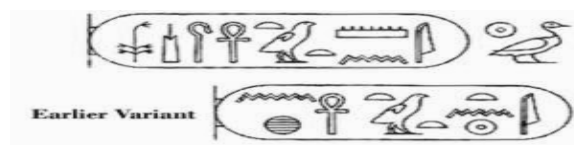


Akhenaten, who ruled from 1351-1334 B.C. is considered one of the most controversial of the Egyptian Pharaohs because of his attempts to transform the traditional religion of his ancestors which lasted for a great number of years and that reflected all facets of society and caused great turmoil. As for Tutankhamun, he is probably the most famous of all Egyptian Pharaohs and this has nothing to do with any historical importance but is due to the treasures that were found inside his tomb that had been discovered almost intact.

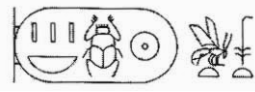
### *Titles and Names*

We are going to study three of the titles and names of Tutankhamun:

1. **The Birth Name (*SA ra*): *twt-ankh-irn Hka iwn rsyt* or *Sma* “The living image of Amon, Ruler of Southern Heliopolis (meaning Thebes)”. Earlier variant: *twt-ankh-itn* “The living image of Aten”**



2. **The Coronation Name** (*Niswt bity*): **Nb-xprw-Re** "Lord of the forms (existences) of Re.



3. **The Horus Name** (*Hr*): **kA-nxt tut-mswt**, "Strong bull, fitting of created forms" or "Strong bull, the image is born"



### *Historical Background*

Tutankhamun was one of the last kings of 18<sup>th</sup> dynasty. He ascended the throne at a very young age at about nine years old and ruled for almost nine or ten years. He followed Akhenaton to the throne, as his right to the throne was established through the marriage with princess **Ankhesenpaaten** (third daughter of King Akhenaten and queen Nefertiti).

At the beginning of his reign, he lived in the royal palace at **Tell el Amarna** (for only three years) under the care of the royal nurses; the tomb of his royal wet-nurse was discovered recently at Saqqara. He was probably brought up together with his wife-to-be Ankhesenpaaten; they could have taken lessons together from the same teachers and scribes giving them instructions about the new religion of Aton.

Either before or immediately after the king ascended the throne, he came under the influence and authority of the priests of Amon especially **Ay** and returned to the cult of Amon. He also left El Amarna, and the court was moved to **Memphis** as a transitional stage since Thebes was full of anger because of the new religion of Aton. Also from Memphis, it was easier to mount expeditions and control military operations in Asia Minor against the rising power of the Hittites.

Later on, he moved to **Thebes** and changed his name from Tutankhaten to Tutankhamun and the name of his wife name changed to Ankhesenamun. He also returned to the main burial place of the New kingdom kings at the Valley of the Kings by burying some funerary

equipments of Amarna royalty in KV 55 in which the tomb sealing prove that the one who made these deposits is Tutankhamun. At Thebes also, he erected the Restoration Stela, which was found at the Hypostyle Hall at Karnak upon which he mentioned that he restored the stability in the country and returned to the cult of Amon and the other deities who had been neglected during the time of Akhenaton and he reopened temples and made restoration works there, also he participated in festivals such as the Opet festival as illustrated on the walls of the Colonnade of Luxor Temple.

During his reign there were two powerful characters:

- 1) **Hor-m-heb** who was an army general; he was a very strong military man.
- 2) **Ay** who was a high priest of Amon.

They were the two persons who actually ruled the country from behind the scenes especially when the king was a child. Throughout out the reign of Tutankhamun, the administration of Egypt's affairs was in the hands of Ay who was the head of the government and his vizier.

### *Marriage*

He was married to the third daughter of Akhenaton her name was *Ankh-es-en-pa-itn* which means (**she who lives for the Aten**) and she changed her name like her husband to *ankh-es-en-immn* after the revolution happened. They married at an early age, perhaps for reasons of state (to acquire the right to ascend the throne) or because they loved each other as the love and affection was displayed in some scenes on the artifacts found in the tomb, e.g. the queen is frequently shown presenting the king with garlands of flowers or helping him while hunting by passing him an arrow.

We believe that *Ankhesenpaaten* was older than *Tutankhamun* because she was probably of childbearing age as she bore him no children except for two still-born (premature) female children who died as foetuses of 6 and 7 months' gestation. Their mummies were discovered at the tomb.

After his death she didn't want to marry any of his followers so she sent a letter, which is recorded as one of the examples of the **Amarna letters** to the **Hittite** king asking him to send a prince to marry her. He was not sure of such a strange request but he sent a prince to see what

was happening. Unfortunately, the prince got murdered on his way to Egypt, probably by the followers of Horemheb and Ay.

Ankhesenamun ended up marrying Ay, which was one of the things that Ay had done to prove his right to ascend the throne.

Another act that Ay has done to legitimise his ascent to the throne was that he represented himself on the walls of the burial chamber of the tomb of Tutankhamun performing the **opening of the mouth ceremony**, which was normally done by the successor or the son of the deceased king.

## *Parentage*

**Amarna Relief:** We are certain that Tutankhamun was a son of a **king** and we know that from a **text** on a block from one of the destroyed buildings of Akhenaton, Tutankhamun is described as the son of the king **from his divine body**, but unfortunately the name of the king wasn't recorded. But because this block came from one of the buildings of Akhenaton, this strengthened the assumption that Akhenaton is his father.

*Before 2010, there were several theories about the parentage of Tutankhamun and these will be discussed below:*

1- He may be the son of **Amenhotep III and queen Ty**.

*The agreement:*

A lion statue was discovered in Soleb near Sudan (now displayed at the British Museum), bears inscriptions which claim that Tutankhamun is the son of Amenhotep III. However, it should be kept in mind that grandchildren receive much love and attention from their grandparents and they might call them "father" and "mother", so the word 'son' may be out of respect and love of Tutankhamun to his grandfather.

*The disagreement:*

(a) after Amenhotep III death "Akhenaton" ruled for 18 years, but when Tutankhamun became king he was only 9 years old, so it's not possible.  
(b) the age of queen Ty at the time of giving birth to Tutankhamun would have been over 50 years old which is quite an old age for a woman to give birth.

2- There was a certain relationship between Tutankhamun and the remains of the mummy found in the anthropoid coffin in KV 55 as when they were both examined in 1968 at Liverpool University, it was found that both possess the same blood group and the same defects in the bone structure of the skull.

**3- The most probable theory is that Tutankhamun was the son of "Akhenaton" from Kiya (?).**

*The agreement:*

(a) **Amarna scene:** we found at the royal tomb at El Amarna a scene that represents a lady on her death bed, and when they compared her features she seemed to be kiya, and next to her there is a royal fan-bearer and a royal nurse carrying a baby who was most probably the king-to-be "Tutankhamun".

(b) one of the titles of Kiya was "the greatly beloved wife of the king" may be because she gave him a son after 6 daughters (from Nefertiti) which was much appreciated in ancient Egypt.

(c) **The Amarna Relief** (mentioned earlier) is a strong proof.

(d) **2010 investigation** proved that he was the son of Akhenaten, who is now confirmed to be the body from KV 55. (This will be explained later).

Thus we were not certain of anything and we needed the new technology to determine the familial relationships and to search for any diseases or inherited disorders.

*Death*

**There are different theories concerning his death:**

We used to believe that he died as a result of a **blow to his head because there was a big hole at the back of his skull**, but because Tutankhamon didn't make any military activities this idea was not widely accepted.

There was another theory that he died of **Tuberculosis (chest disease)** but after examination of the mummy, this idea was denied.

Also there was a theory about his death because of a **brain tumour**, because the cavity around his brain was relatively big, but this also was denied.

A CT scan performed in 2005 by a group of scientist led by professor Zahi Hawass on the whole mummy revealed the following:

- 1- The hole in the head didn't cause his death because the Egyptian scientists concluded that the hole was created post-mortem (after his death) in order to insert mummification liquid *or* maybe the workers of Howard Carter when trying to remove the heavily glued mask from his head thus causing this type of injury. (It was glued by means of resin)
- 2- There was another injury in his left leg (thigh). This has probably contributed to his death, it happened because of a fall from a big height when he was riding his chariot (probably while hunting). The wound got infected and didn't heal properly causing gangrene, which resulted in his death.
- 3- His height was about 170 cm.

### *Recent investigations 2010:*

In February 2010 the results of a study<sup>1</sup> conducted on the DNA of the family of Tutankhamun were revealed. This project was called "Tutankhamun family project", and it lasted for two years from Sept 2007 till Oct. 2009. The study was conducted through the Egyptian Mummy Project (EMP) headed by Dr. Zahi Hawass, Secretary General of the Supreme Council of Antiquities, and a team composed of Egyptian scientists from the National Research Center, members from the Faculty of Medicine at Cairo University, and two German DNA specialists.

11 royal mummies of the family of Tutankhamun were studied using radiology and DNA technology. These mummies came from KV 35, 55, 62 and 21A and B. (Only three of these mummies' identities were certain: Yuya, Thuya and Amenhotep III, in addition to the mummy of Tut).

They concluded that:

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<sup>1</sup> The study was conducted inside two DNA laboratories which are under the supervision of the Supreme Council of Antiquities; one is located in the basement of the Cairo Museum, and another is in the Faculty of Medicine at Cairo University. These are the only two DNA laboratories exclusively aimed at the study of ancient mummies. These findings have been published by JAMA, the Journal of the American Medical Association, in their February 17, 2010, edition (Volume 303, no. 7).



- Yuya and Thuya were identified as great-grandparents of Tutankhamun and Amenhotep III
- Amenhotep III and KV 35 Elder Lady (Ty) as his grandparents
- KV 55 male (Akhenaten) and KV 35 Younger Lady are his sibling parents.
- Amenhotep III could be clearly identified as father of KV 55 male (Akhenaten) and the testing of Amenhotep III as father of Tutankhamun was negative.

SO the results showed that the mummy of KV 55 is the son of Amenhotep III and father of Tutankhamun leading to the assumption that KV 55 male can be certainly identified as Akhenaten. Also KV 35 Elder Lady was identified as daughter of Yuya and Thuya indicating that she could be queen Ty.

➤ **To sum up:**

**1.Concerning his Parentage:**

Recent evidence, however, has indicated that he was in fact born in Tell el-Amarna. It had been revealed that Tutankhamun's father was the "heretic" king, Akhenaten, whose body is now almost certainly identified with the mummy from KV 55 in the Valley of the Kings. His mother, who still cannot be identified by name, is the "Younger Lady" buried in the tomb of Amenhotep II (KV 35). The mummy of the "Elder Lady" from the same tomb can now be conclusively identified as Tutankhamun's grandmother, Queen Ty.

The project is not yet able to identify Tutankhamun's mother by name, although the DNA studies also show that she was the daughter of Amenhotep III and Ty and thus Akhenaten's full sister. Thus Tutankhamun's only grandparents, on both his paternal and maternal sides, were Amenhotep III and Ty.

**2.Concerning his Wife:**

Two stillborn foetuses were found mummified and hidden away in a chamber of Tutankhamun's tomb. Preliminary DNA analysis supports the Egyptological belief that these were children of the young king's. This analysis has also suggested a mummy known as KV21A, a royal female

whose identity was previously completely unknown, as the most likely mother of these children and thus as Tutankhamun's wife. As Tutankhamun's only known consort was Ankhsenamun, the daughter of Akhenaten and his chief queen Nefertiti, further study of this mummy should help to illuminate further the complex relationships within this family.

### **3. Concerning his Death:**

New light was shed on the cause of death for Tutankhamun with the discovery of DNA from the parasite that causes malaria<sup>2</sup>; it is likely that the young king died from complications resulting from a severe form of this disease.

Medicinal foodstuffs (i.e., drugs to fight fever and pain) found within the tomb support the team's contention that the young king suffered from a severe malarial infection. The CT scan also revealed that the king had a lame foot, caused by *avascular bone necrosis* (a disease known as **Kohler disease**, affecting the blood supply of the bone leading to degeneration of the bone)<sup>3</sup>. This conclusion is supported Egyptologically by the presence of over one hundred walking sticks in the tomb and by images of the king performing activities such as hunting while seated.

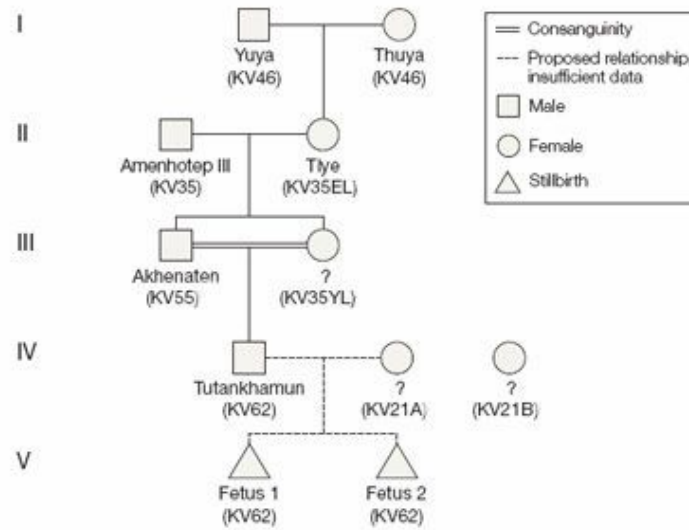
The project believes that Tutankhamun's death was most likely a result of the malaria coupled with his generally weak constitution. The CT scan of the pharaoh earlier confirmed the presence of an unhealed break in the king's left thigh bone; the team speculates that the king's weakened state may have led to a fall, or that a fall weakened his already fragile physical condition.

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<sup>2</sup> Plasmodium Falciparum. This parasite causes the most severe form of Malaria.

<sup>3</sup> Kohler disease affected the 2<sup>nd</sup> and 3<sup>rd</sup> metatarsals of Tutankhamun's left leg, as a result the bone temporarily loses its blood supply and as a result the tissue in the bone dies and bone collapses (necrosis). This caused an inflammatory condition. Also the 2<sup>nd</sup> toe of the left foot is shortened because it lacks the middle phalanx. These two conditions caused an additional load to the right foot causing flattening of the foot arch (lame foot).

**Figure 2.** Pedigree Showing the Genetic Relationships of the Tested 18th-Dynasty Mummies



This is a figure showing the family tree of Tutankhamun as concluded by the “Tutankhamun Family Project”, published in Feb 2010.

## *Discovery of the tomb*

The tomb was discovered in a remote area called the Valley of the Kings (or KV) at the western bank of Luxor, about 720 km south of Cairo. His tomb carried no **KV 62**. Inside the tomb there were treasures of a great value that had been lying under the ground for about 3300 years.

It was uncovered by two British men: **Howard Carter** –under the sponsorship of **Lord Carnarvon** in **1922**.



However we should also mention another American archaeologist his name was **Theodore Davis**, since he also discovered items bearing the name of King Tutankhamon. He was originally a lawyer interested in excavations and he was sponsoring archaeological digs in the area of the Valley of the King from 1902-1914. He discovered a large number of tombs including the tomb of Yuya and Thuya (parents of queen Ty).

His assistant Ayrton, discovered in 1906 a cup inscribed with the name of Tutankhamun. In 1907, he discovered some vessels in a small pit which is known as **KV 54**, some of the vessels were inscribed with the name of Tutankhamun, the pit also included some items of his funerary banquet. After Ayrton, Theodore Davies hired another assistant who discovered in 1908 a small tomb in which he discovered pieces of gold foil; one of which has a representation of Tutankhamun shooting arrows and another one inscribed with the name of Ay. As a result of this, Davies convinced himself that this tomb is the tomb of Tutankhamun.

In 1912 he felt that the area had been exhausted and needing no more excavations, so he sent what he found to **Mr. Winlock** who was in charge of the Egyptian equipment in the *Metropolitan museum of Arts in New*

York. Winlock was sure that there was a tomb which belonged to Tutankhamon in the Valley of the Kings, but he didn't announce that and just communicated with Howard Carter till the discovery of the tomb.

**Lord Carnarvon** was a rich man<sup>4</sup> who came to Egypt in 1903, as he was advised by his doctors to spend the winter in a warm country **perfectly suited to his delicate health**. He developed an interest in Egyptology as a **hobby**. However, as he wasn't an expert, he teamed up with **Howard Carter** in 1907, **who needed a financier for his work**.

**Howard Carter** came to Egypt in **1891** at the age of 18 and he was working as a draughtsman. He worked in Beni Hassan and Deir el Bersha. Then a year later in **1892** he moved to Tell el Amarna where he met **Sir Flinders Petrie** who gave him his first experience as an excavator. After that he went to El Deir el Bahari in 1893, where he was copying some scenes off the walls of Queen Hatshepsut's temple. In **1900** he was appointed as inspector of the monuments of Upper Egypt. At this date he made his first important discovery when he was on his way home, the leg of his horse fell into a hole which turned out to be the entrance to an ancient burial, that is the tomb of Mentuhotep II Nebhepetre at Deir el Bahari. Expecting a major find, he invited important dignitaries to the opening of the newly discovered tomb, but when he opened it he just found some vessels and the statue of king Mentuhotep II that is now displayed at the Egyptian Museum; this was a great disappointment to them. So he decided that in the future he should check his discovery first before inviting any VIPs.

In **1902** he joined Theodore Davis who was working in the Valley of the Kings. Then in **1904** he was transferred to Lower Egypt working at Saqqara but he had to resign as a problem happened between him and some French people which caused a diplomatic problem between the English and French people so Carter had to resign and went back to work in Upper Egypt in **1905** which was lucky for us because at that time he began the excavations to search for the tomb of King Tutankhamon.

**Howard Carter** joined **Lord Carnarvon** in 1907 and they started digging in Draa Abu el-Naga, Deir El-Bahari and other sites but unfortunately they couldn't find any trace of the tomb until they took the concession of digging in the Valley of the Kings in 1914. The work was interrupted because of the World War I and they didn't make the major

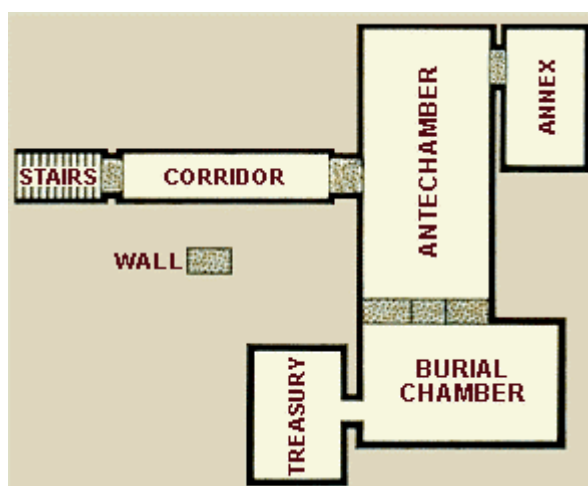
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<sup>4</sup> Lord Carnarvon was a collector of rare books and works of art.

discovery until the winter of **1922** when **Lord Carnarvon** informed **Carter** of his desire to stop the excavation because he was fed up. **Carter** asked him to give him another chance because he was sure that there was an area in the valley at the foot of the tomb of **Ramses VI** where there were some stone huts, which were used by ancient tomb builders that has never been excavated. So **Carnarvon** agreed.

**Howard carter** continued the excavations and by the 4<sup>th</sup> of November he had cleared several of those stone huts then they came upon a step in the bedrock. This actually happened by chance as one of the boys who used to bring the drinking water (water boy) was digging a small hole in order to fix the container of the water, when he found the 1<sup>st</sup> step and informed Howard carter. Further digging revealed other steps until they were 16 in number. The workers of Carter worked all day clearing sand until at last they found a blocked and sealed doorway. Howard Carter then sent a telegram to **Lord Carnarvon** who was in England telling him that there is a wonderful discovery in the valley. **Lord Carnarvon** arrived in Egypt accompanied by his daughter on 23<sup>rd</sup> of November. On 26<sup>th</sup> November Howard Carter made a hole in the intact wall of the doorway that lead to the antechamber and held a candle with one hand and put it inside the hole in order to see what was inside but he couldn't see anything because the hot air escaping from the tomb caused the candle to flicker but when his eyes got used to the dark he was very pleased of what he saw. **Lord Carnarvon** asked anxiously: *“Can you see anything Carter?”* so Carter replied: *“Wonderful things!”*

The official opening of the antechamber and the annexe was on 29<sup>th</sup> November 1922, but the official opening of the burial chamber was on 17<sup>th</sup> February 1923. It took him about 10 months to completely clear the tomb.



### *The tomb itself*

It carries no 62 in the Valley of the Kings (**KV 62**). It is a small tomb it is cut down into the bedrock of the valley, probably been made initially for the high priest Ay.

The **entrance stairway** consists of 16 steps going down to the **Corridor** and this corridor leads to the **Antechamber** and the antechamber leads to the **Annexe** at the northern end while the eastern side leads to the **Burial Chamber**, which leads in its turn to the **Treasury** on the eastern side. **The burial chamber** is the only decorated room in the tomb.

Everything found there was crammed over each other, every space was used that is because of the king's sudden death, which caused the people to put everything in very rapidly even the daily life equipments were put in together with the funerary equipment. Also there was no time to decorate the whole tomb. Only the burial chamber was decorated because the dead king would need all the spells depicted on the walls closer to his body for his protection in the afterlife.

The walls were painted very quickly and the tomb was rapidly closed. That's why when the burial chamber was opened, the walls were covered with fungus because the paints didn't have time to fully dry, and this maybe one of the reasons that caused people's death after the discovery; not as was said because of the curse of the pharaohs. "Death will come on swift wings for those who will disturb the king" but these words were just a spell, or not?!

Some events triggered the famous so-called "**Curse of the Pharaohs**" related to the opening of the tomb of Tutankhamun:

- Carter's canary was eaten by a cobra on the day of discovery
- Death of Lord Carnarvon as a result of a mosquito bite, after slashing his cheek while shaving and the wound became infected.
- However, many others who visited the tomb or helped to discover it lived long and healthy lives. A study showed that of the **58** people who were present when the tomb and sarcophagus were opened, only **eight** died within a dozen years. All the others were

still alive, including **Howard Carter**, who later died of lymphoma at the age of **64** in **1939**

### *Robberies*

Scholars believe that the tomb was affected by 2 robberies, which happened very early in the 19<sup>th</sup> or 20<sup>th</sup> dynasty, **because there were signs of re-closure at the top left-hand corner of the blocking**. The robberies were soon discovered and the corridor was filled up to the top with limestone chippings and the tomb was resealed.

The 1<sup>st</sup> robbery was confined to the **antechamber and the annexe** while the 2<sup>nd</sup> robbery was more extensive where robbers burrowed through the corridor fill, this time they entered the entire tomb and reached up **to the outermost shrine of the king**. The thieves managed to steal some of the jewellery together with unguents and perfumes, which they poured in leather bags, as they couldn't manage to get the stone vessels out of the tomb. Some fingerprints could still be seen on the vessels together with traces of the unguents robbed, on the rims of some of the containers.

### *Tutankhamun's Burial:*

Around the sarcophagus of Tutankhamun there are 4 shrines one inside the other in order to protect the mummy. After the outermost shrine everything remained completely intact so they didn't reach the precious jewellery, which were placed directly on the mummy as a kind of protection as jewellery was used as amulets for protection.

Tutankhamun's mummy was originally put in one sarcophagus and three coffins. It used to be kept in the outermost quartzite sarcophagus in the burial chamber of his tomb. Recent news confirmed that the mummy was moved from inside the sarcophagus to a nearby glass showcase with very accurate temperature controls to make sure that the mummy stays in perfect condition after signs of decay have been observed by Egyptologists.

The 4 funerary containers are:

- 1- Quartzite sarcophagus, still in situ at the tomb.
- 2- 1<sup>st</sup> gilded wooden anthropoid coffin
- 3- 2<sup>nd</sup> gilded wooden anthropoid coffin wood inlaid with semi-precious stones and covered with thick gold leaf.



4- The innermost anthropoid coffin which is made of pure gold (110 Kg of solid gold)

Finally there was the golden mask covering the face of the mummified king with a total weight of 11 kg of pure solid gold.



When a modern soldier goes into the field, he or she carries along, packed about their bodies, just about every conceivable item they might need for survival. When ancient Egyptian pharaohs died, likewise, they went forth into the netherworld with a host of equipment and survival gear.

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