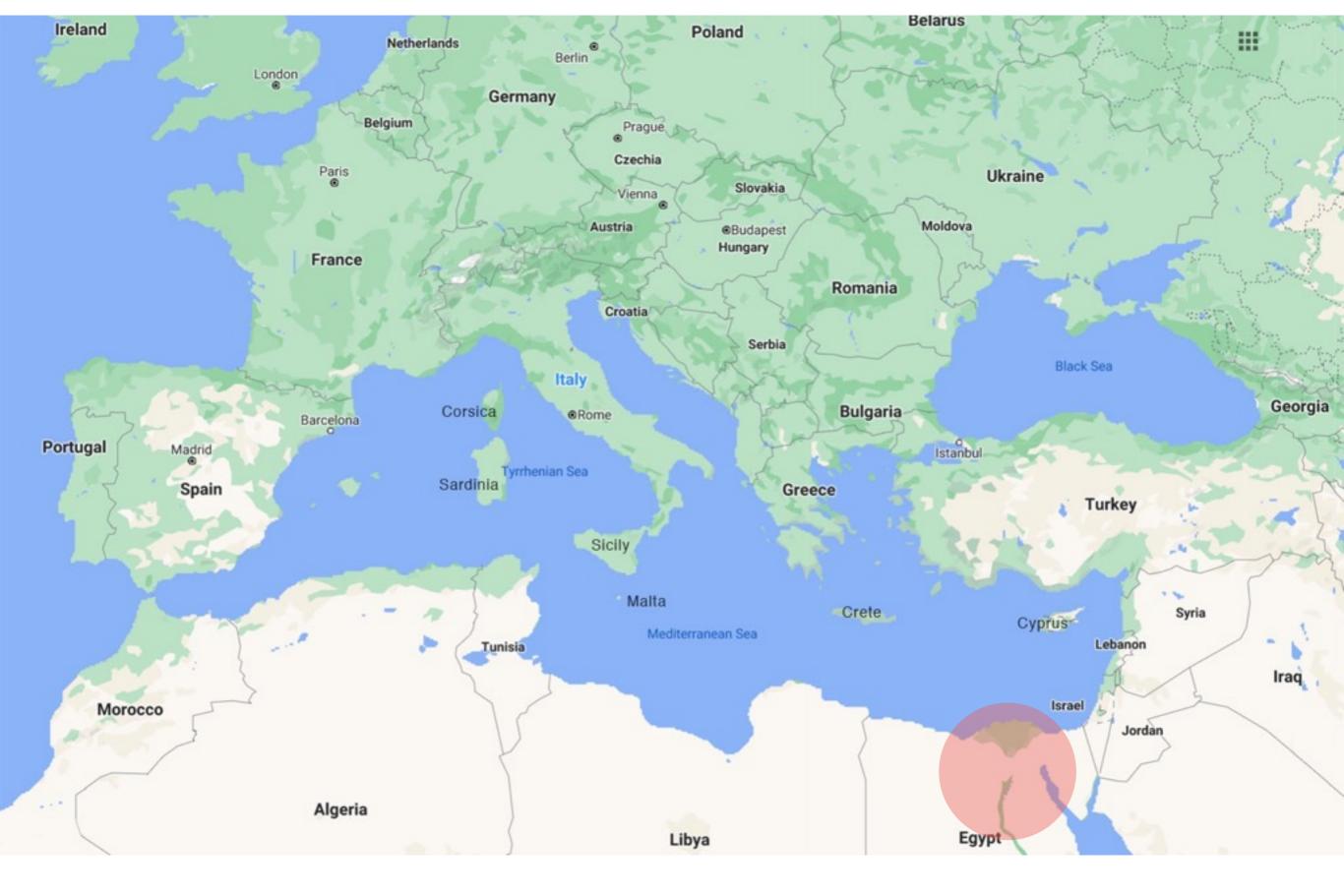
## History of Architecture I ARC 2313 - Spring 2022

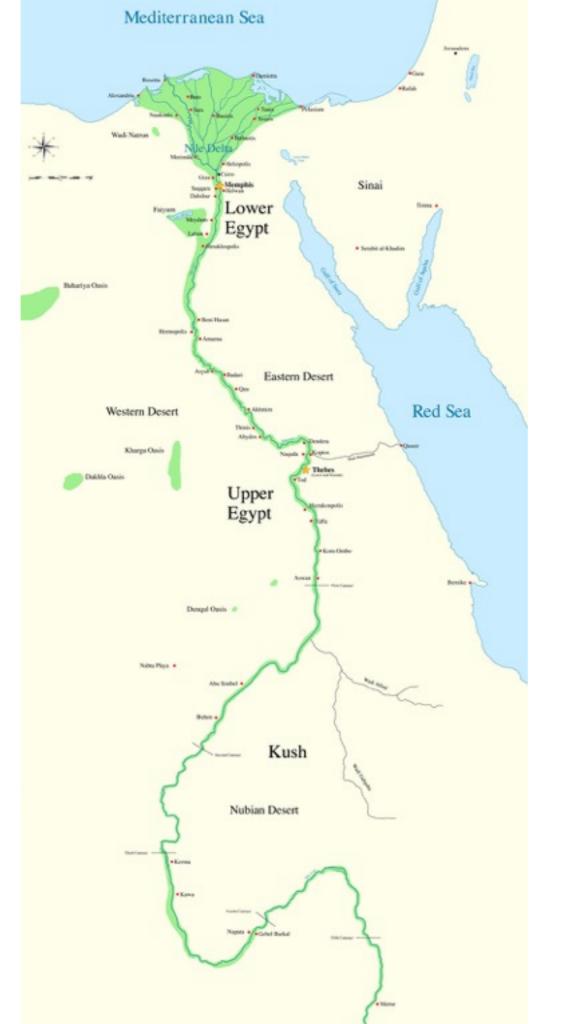
# Lecture-05 28 January 2022

For Monday 31 January:

Ingersoll pages 48-60 and 86-97



General map of the Med



### Nile Valley









## Old Kingdom Egypt

About **2686 - 2181 BCE** 

After 3000 BCE, Old Kingdom Egypt united as a centralized state under a deified monarch - a *king* - later known by the Greek word *pharaoh*, meaning "great house"

## Pharaoh became known as son of **Ra** and worshipped as a God...

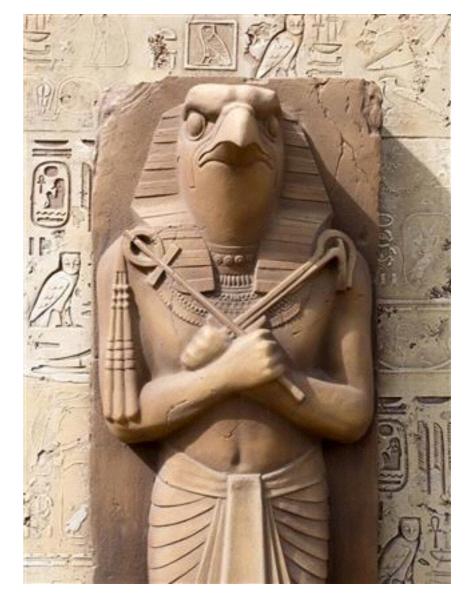
Ra the Egyptian Sun God

(Anu the Sumerian Sun God)

(**Helios** the Greek Sun God)



Ra







**Ra** as depicted in an Egyptian temple

American Eagle as depicted in the U.S. Capitol

## Egyptian Architecture

Mortuary architecture and permanent public structures of stone, built with great geometrical accuracy.

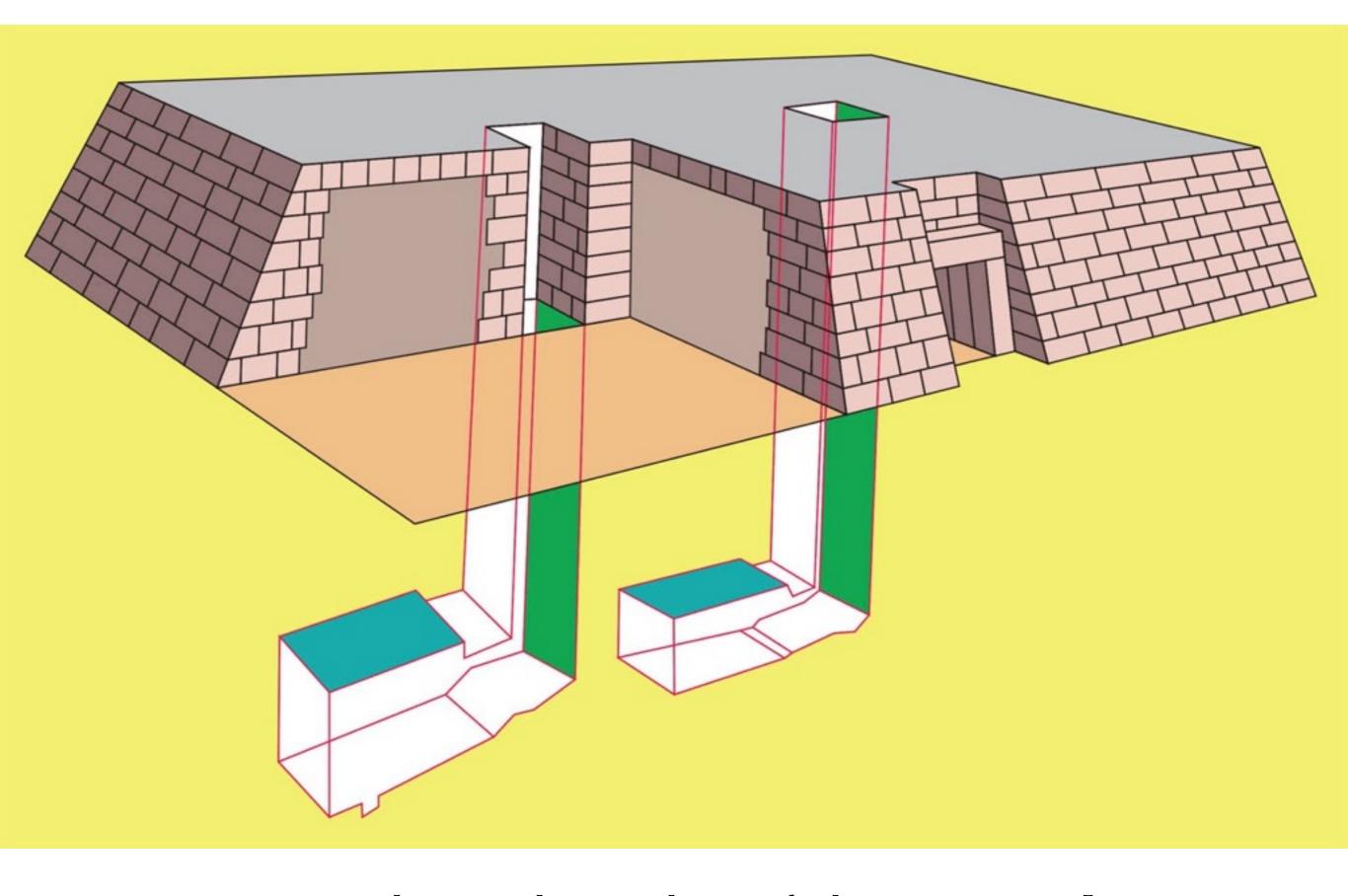
Palace architecture in the north borrowed from Mesopotamia - pleated mud walls

Domestic architecture non-permanent: bundled reeds, matted papyrus, etc

## The *mastaba* (tumulus) or burial mound (Arabic for *bench*)



Stone or brick perimeter filled with sand with a secret burial chamber



Secret burial vaults of the *mastaba* 

The *afterlife* of the king was very important, as he was united with *Ra* and continued with his duties....

The tombs, beginning with a *mastaba* and evolving into a *pyramid*, represented a remaking of the palace (of sorts) - but now solidified - to house the spirit of the king called the *ka*....

**ka** is difficult to define. You can think of it as the connection between the body and the soul

The *serdab* was a sealed chamber containing a statue of the dead

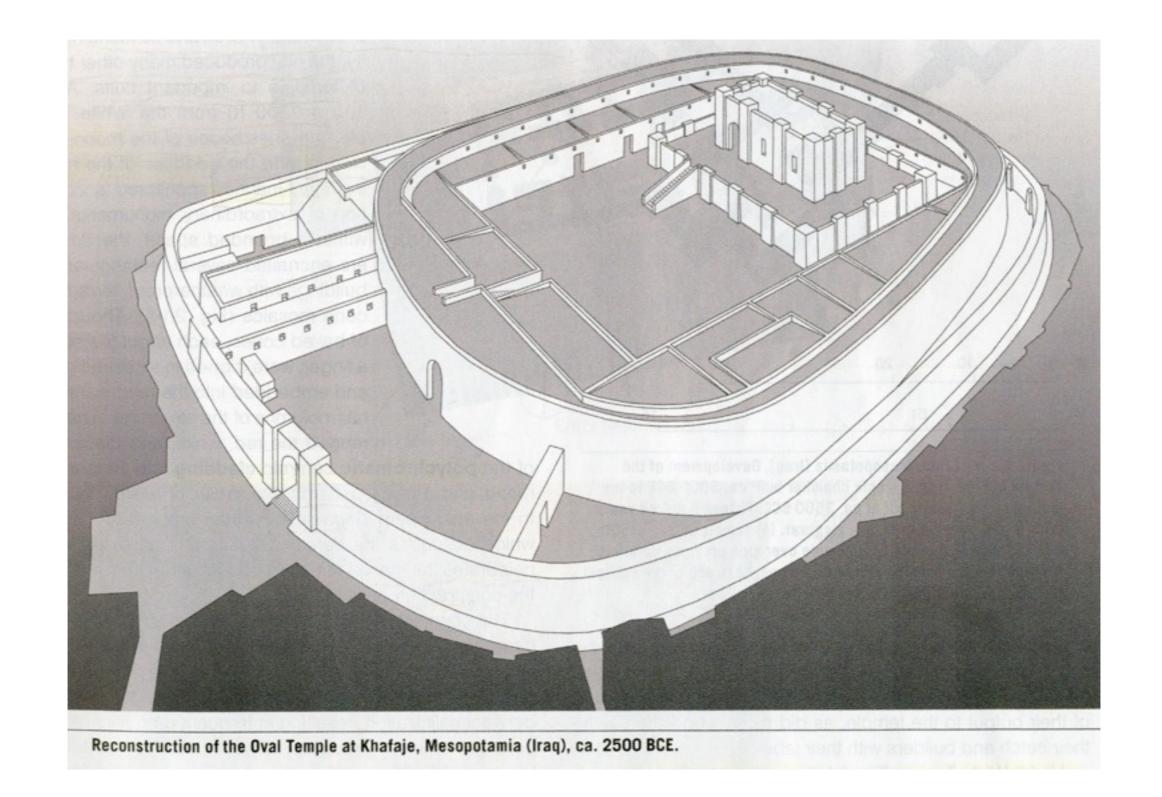
#### First Pyramid at Saqqara

(sa-KAR-ah)

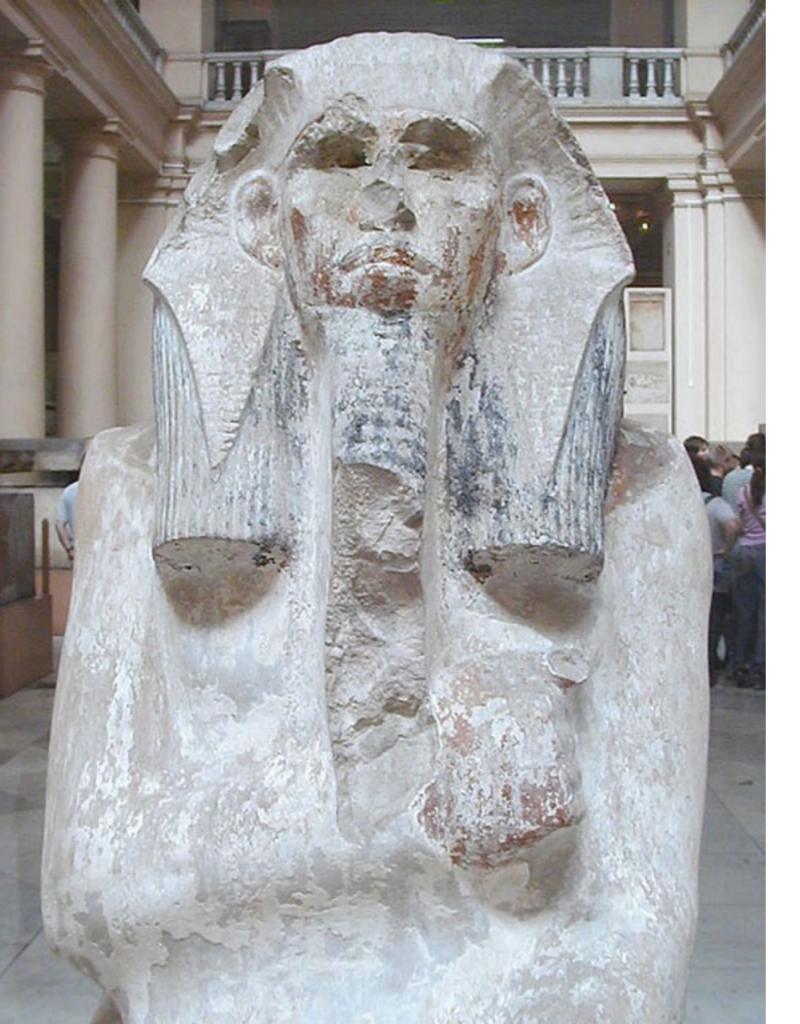
Zoser - ruled 2691 - 2625

(ZO-zer)

(Also spelled Djoser)



Oval Temple at Khafaje created at same time (2600 BCE) as Zoser's Pyramid at Saqqara 1800 miles away



**Zoser's** statue from the **serdab** 

Egyptian Museum in Cairo



**Imhotep** - Zoser's architect

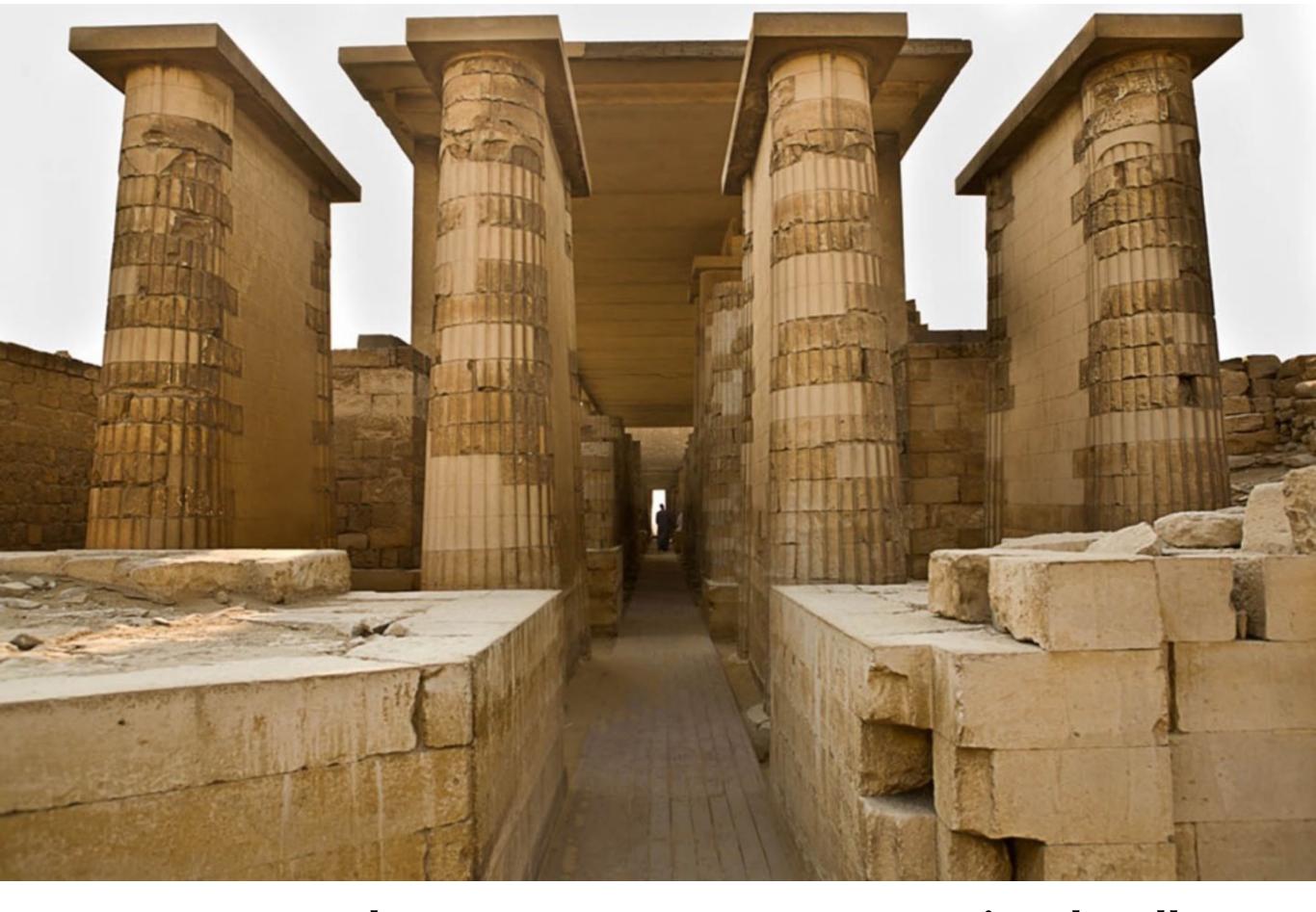
(eem-OH-tep)

History's first documented architect c 2600 BCE



A. Restored view of the pyramid and enclosure from the flooded Nile valley

Zoser's Pyramid - The First Pyramid

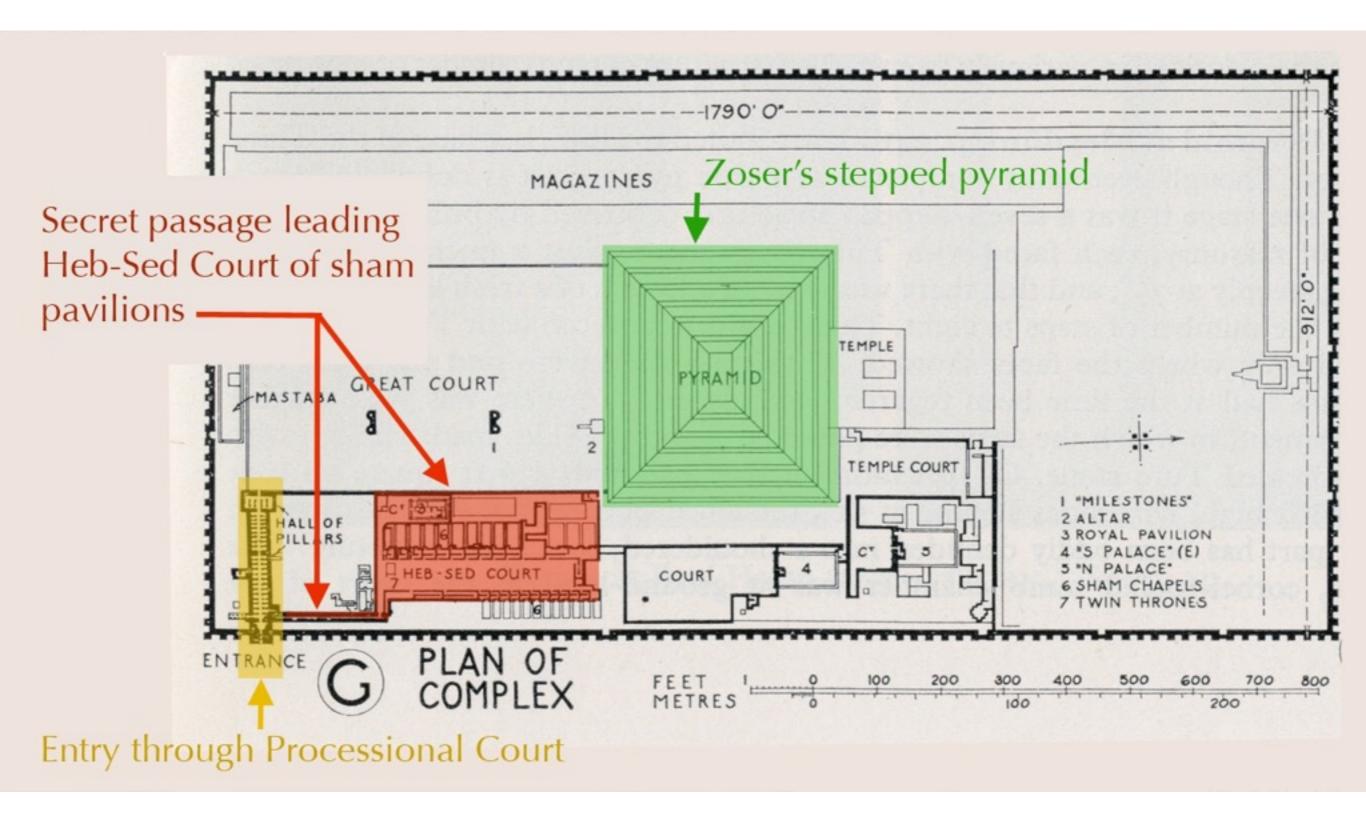


Zoser's tomb at Saqqara - Entry at Processional Hall

A secret passage led to this *Heb-Sed* courtyard with 22 altars used during a festival in which ruler had to prove his ability to rule

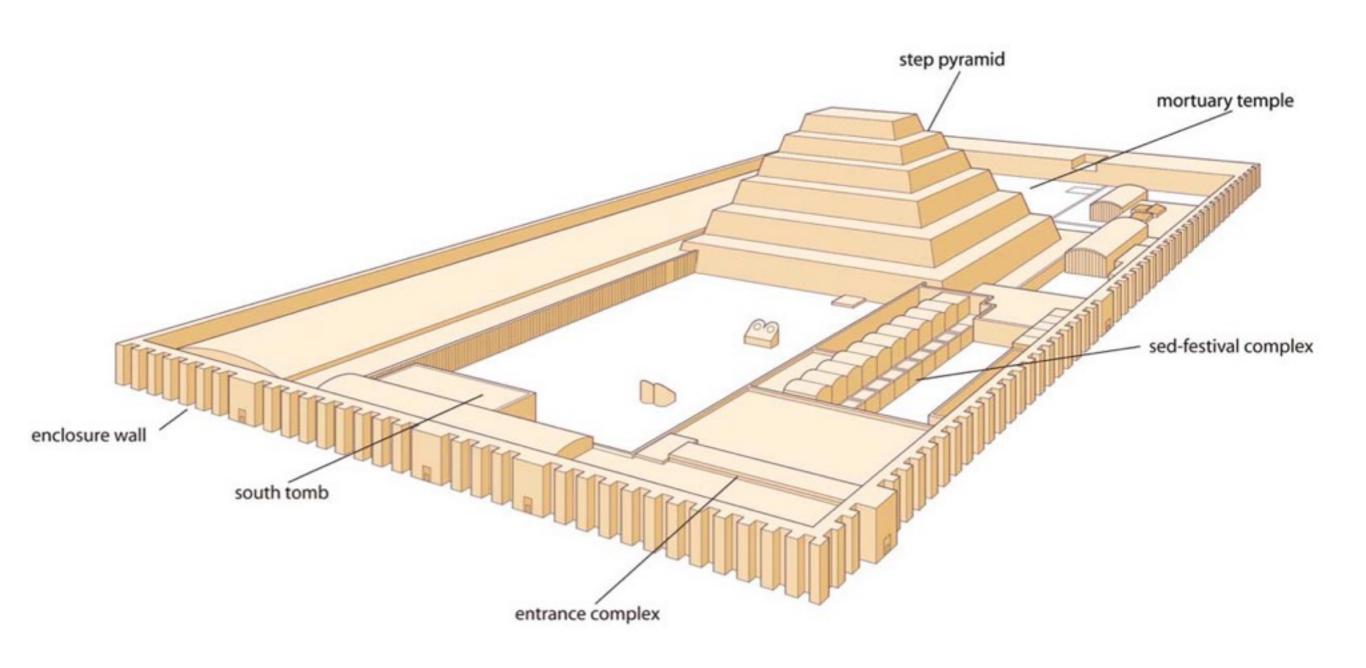


Zoser's Tomb - First Pyramid at Saqqara - c 2650 BCE



#### Plan of:

Zoser's Tomb - First Pyramid at Saqqara - c 2650 BCE



Zoser's Tomb Complex in a restored condition

Again, the tomb was replete with false doors, false pavilions, mere stone replications of a life (all of this would be used in the afterlife)

### Almost like a ghost town...

Smaller courts symbolized the **red and** white palaces of the districts of Egypt...

#### White crown

The White Crown symbolised the pharaoh's control over Upper Egypt, and was worn on occasions involving Upper Egypt only.

#### Red crown

The Red Crown



symbolised the pharaoh's control over Lower Egypt, and was wom on occasions involving Lower Egypt only.

#### Double crown

The Double Crown was



combination of the Red Crown of Lower Egypt and the White Crown of Upper Egypt. It symbolised the joining of the two lands, and the pharaoh's control over the two lands.

#### Blue crown

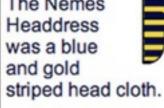
The Blue Crown (the Khepresh) was a blue cloth or leather headdress decorated with bronze or gold discs. The Blue Crown was worn in battles, as well as on ceremonial occasions.

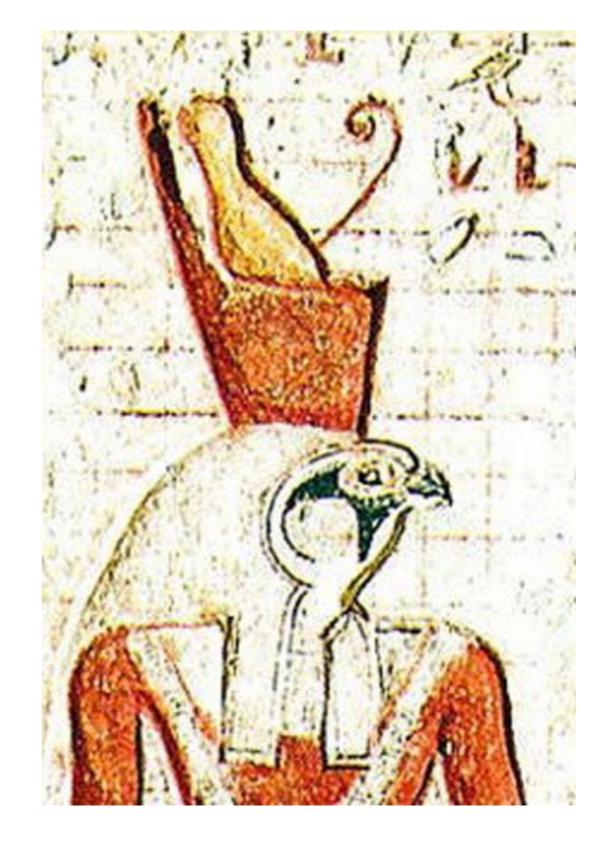
#### Atef crown

The Atef Crown was a white headdress decorated with ostrich feathers. It was worn during some religious rituals.

#### Nemes Headdress







Upper Egypt: white cone crown - the lotus Lower Egypt: red cap crown - the papyrus

Final height of Zoser's tomb: six levels and 200 feet high

## The *pyramidion*

The gilded capstone of a pyramid (this one has lost its gilding)



### Sneferu — 2613 - 2589

Father of Khufu (Cheops)

- 1) Meidum (collapsed)
- 2) Bent Pyramid at Dashur
- 3) **Red Pyramid** he may be buried here





Bent Pyramid at Dashur - Sneferu



Bent Pyramid at Dashur - Sneferu



Red Pyramid at Dashur - Sneferu



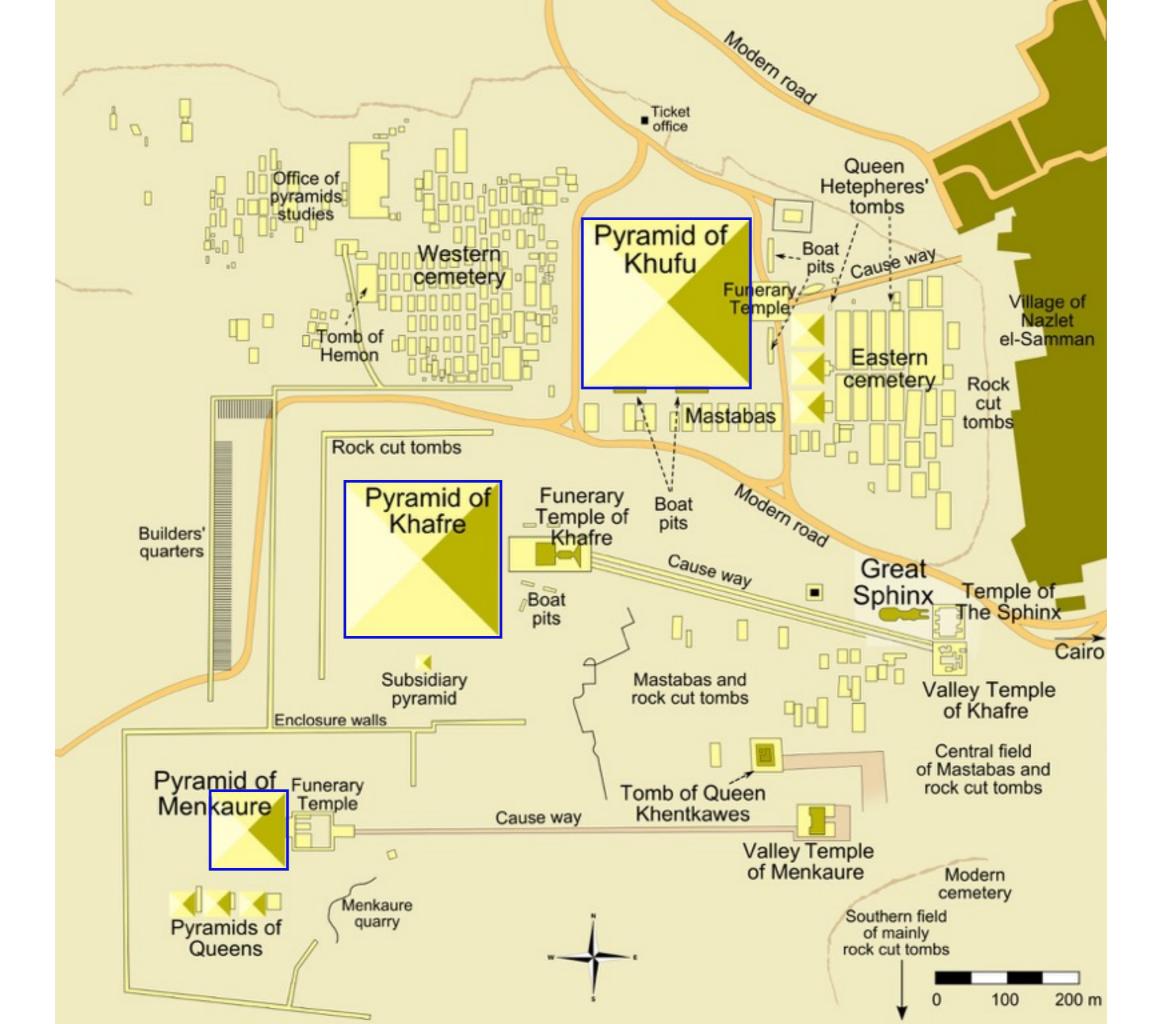
Red Pyramid at Dashur - Sneferu

### Khufu or Cheops — 2589 - 2566

(Son of **Sneferu**)

#### Great Pyramid at Giza

479 feet tall
755 foot square at the base
51.5° angle

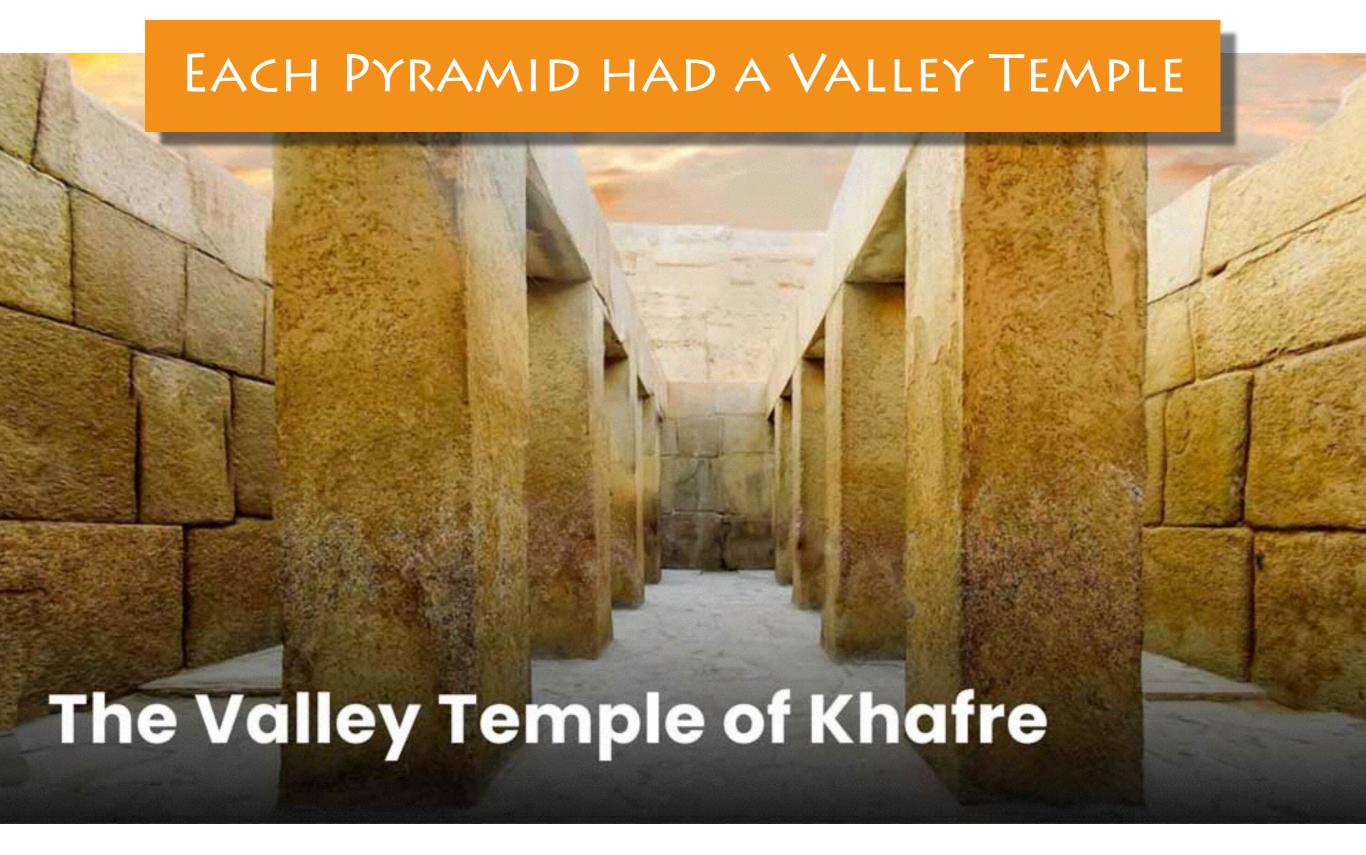


# The complex included two smaller pyramids of **Khufu**'s successors:

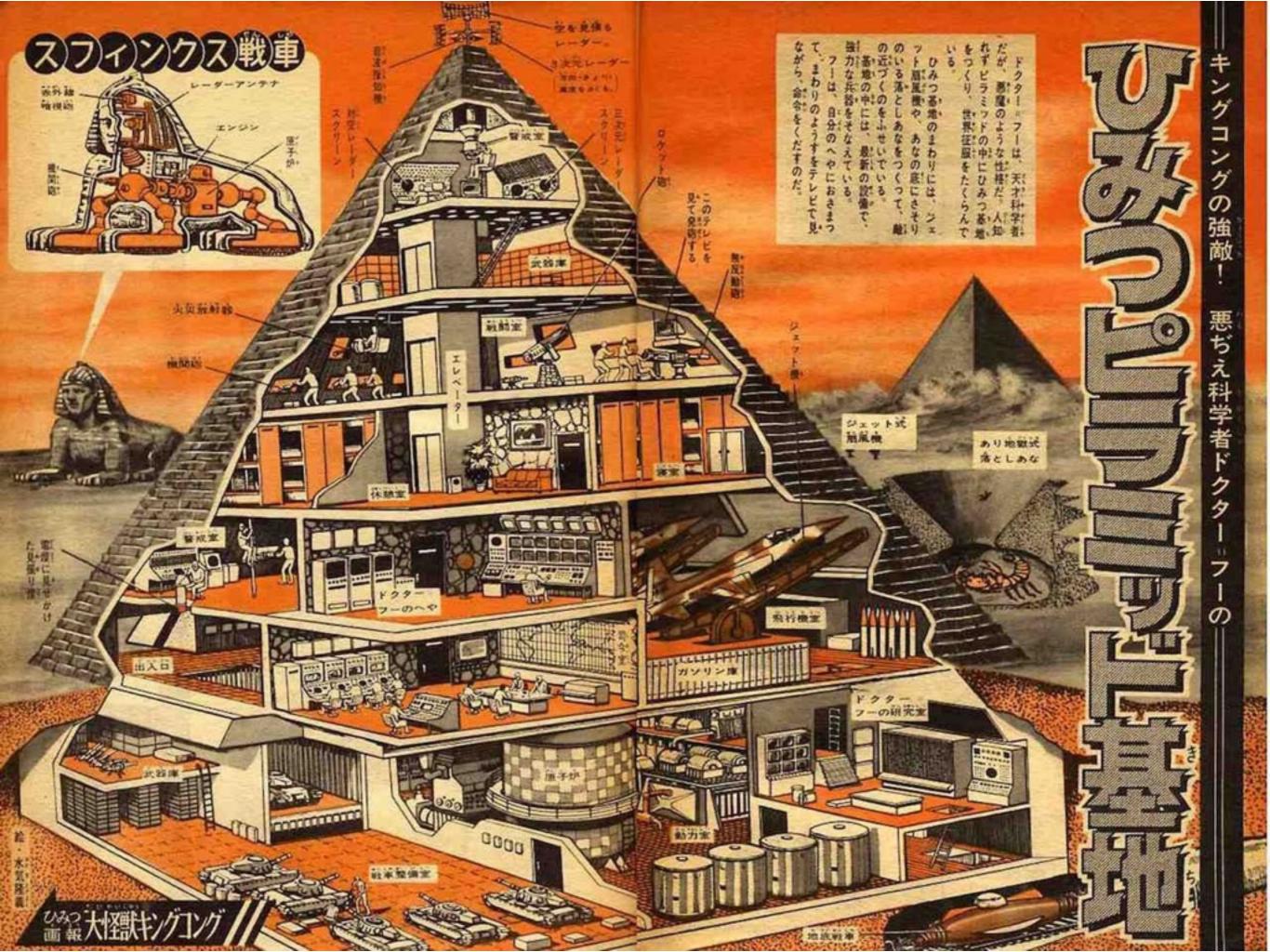
Khafre (son of Khufu - only slightly smaller)

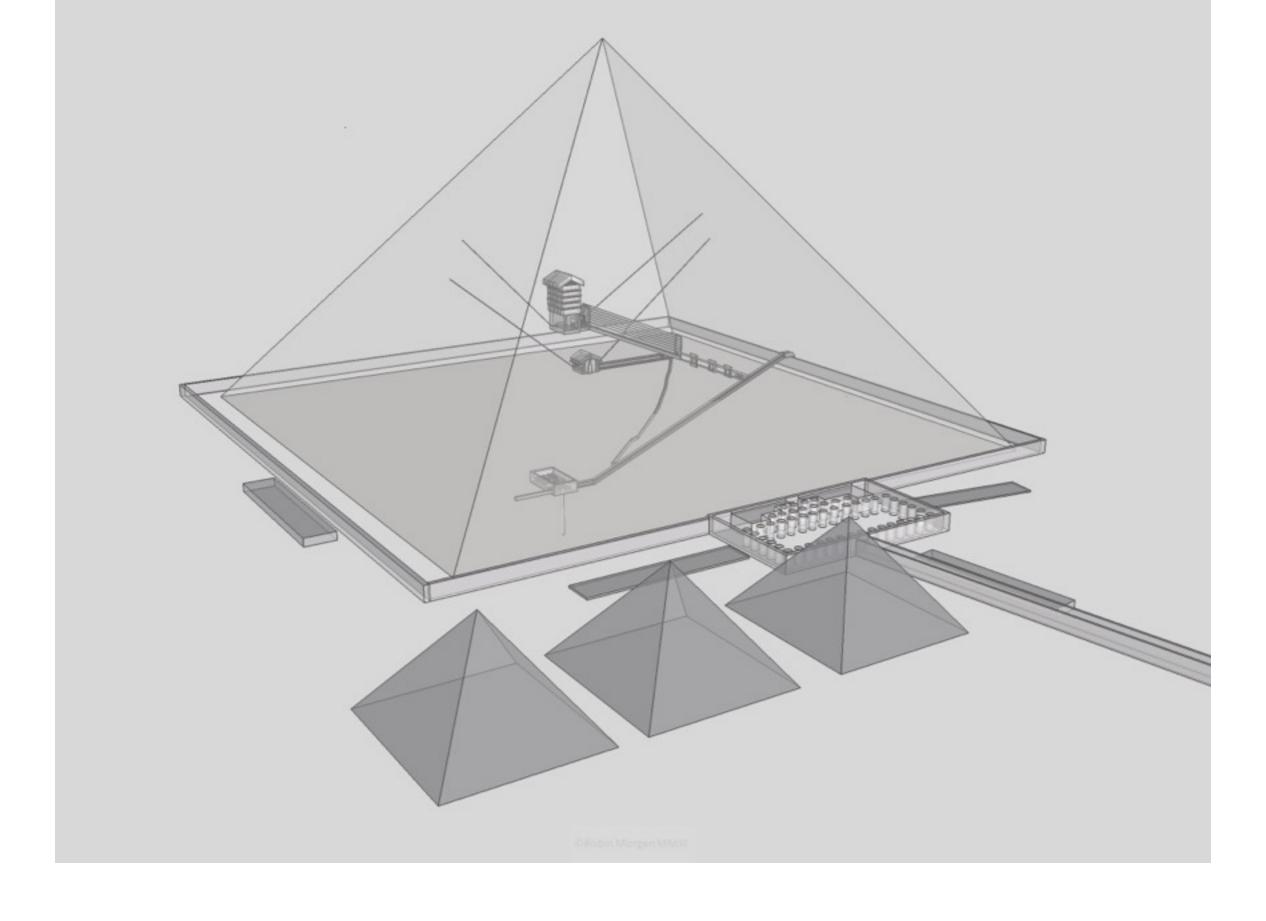
Menkaure (son of Khafre - half size)

As well as dozens more mastabas and small pyramids for wives and courtiers

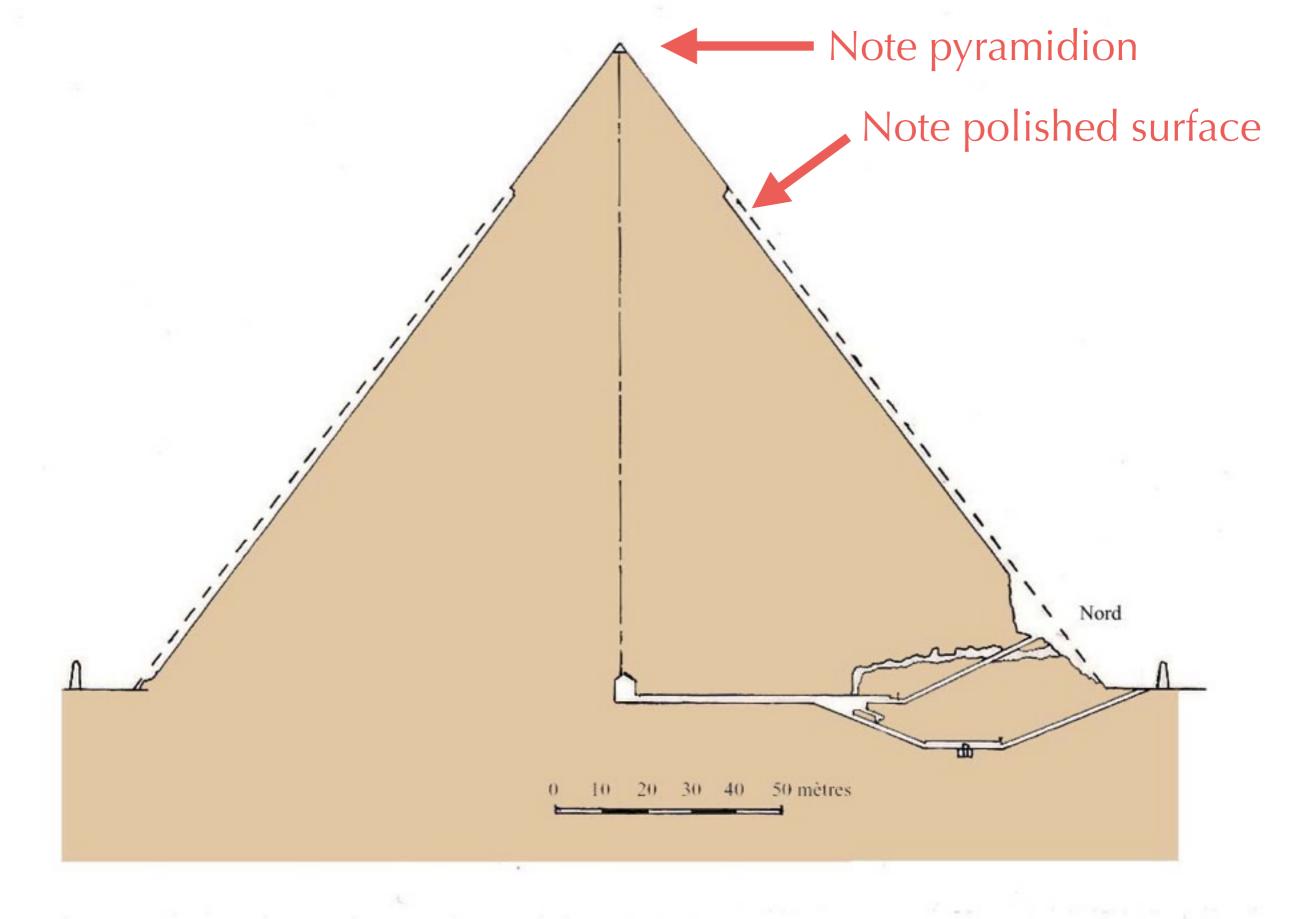


- >> Discovered in better condition
- >> Staging area where King was prepared for interment

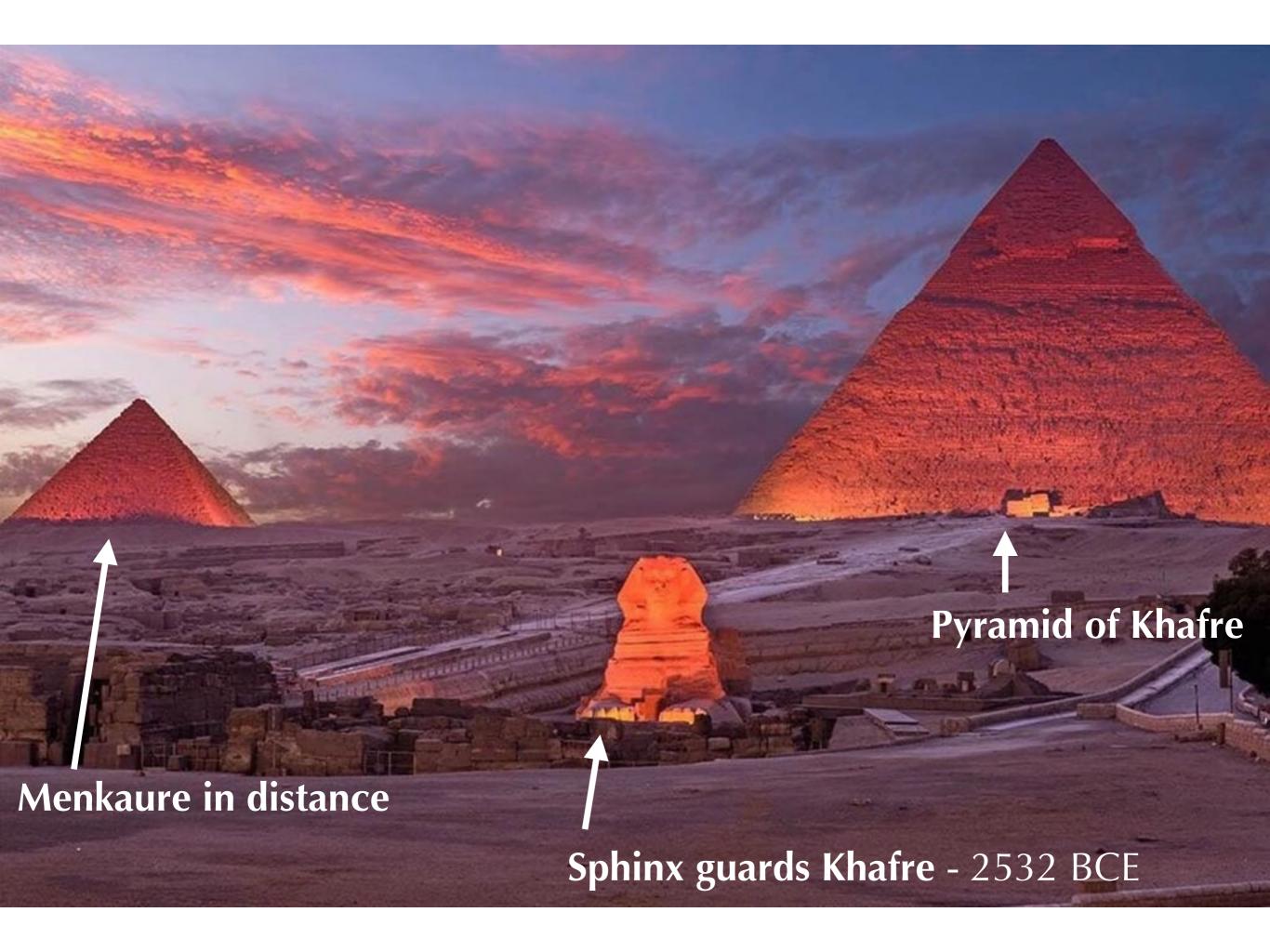




Khufu - 2589-2566 BCE

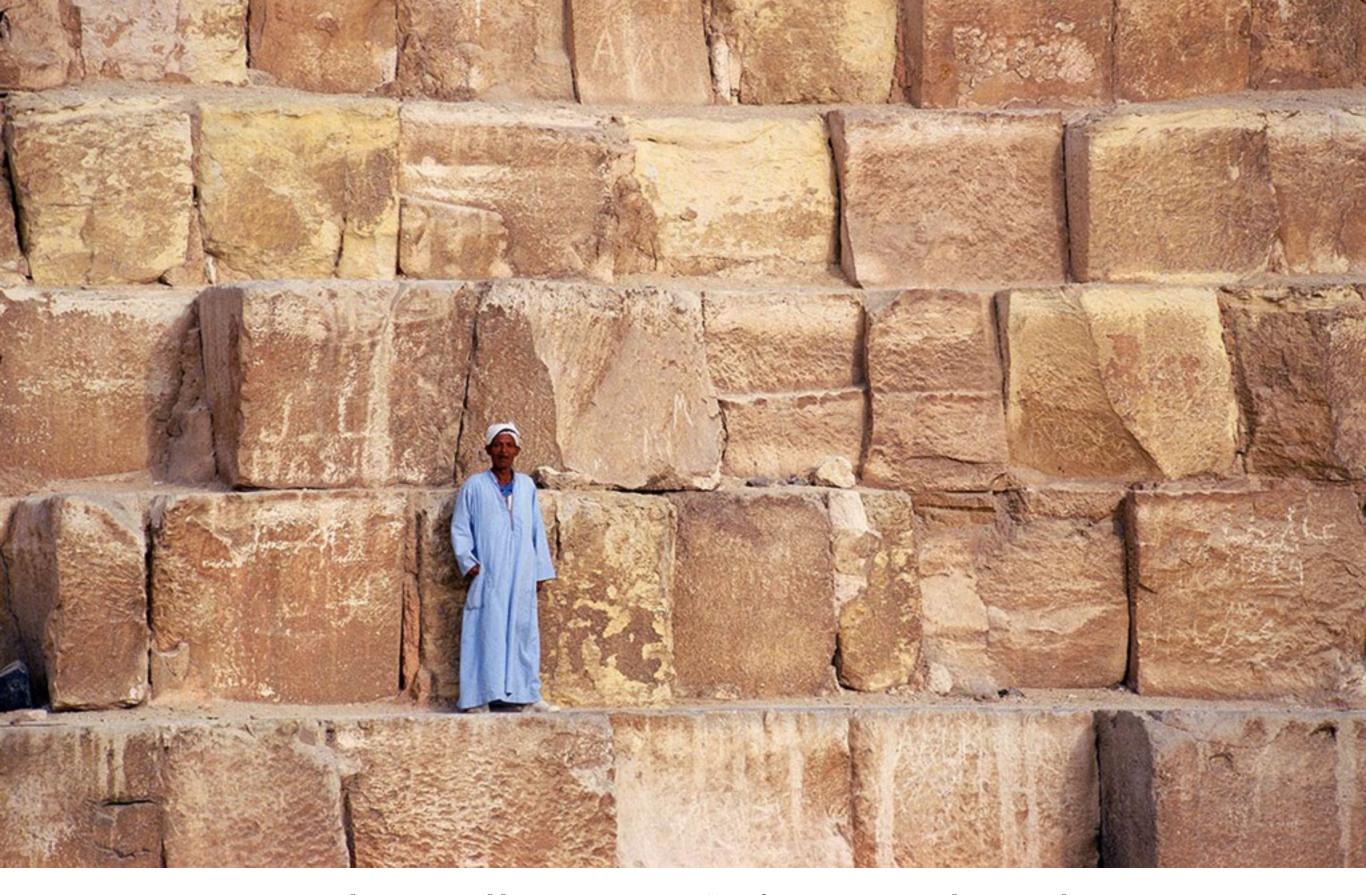


Khafre - 2558-2532 BCE





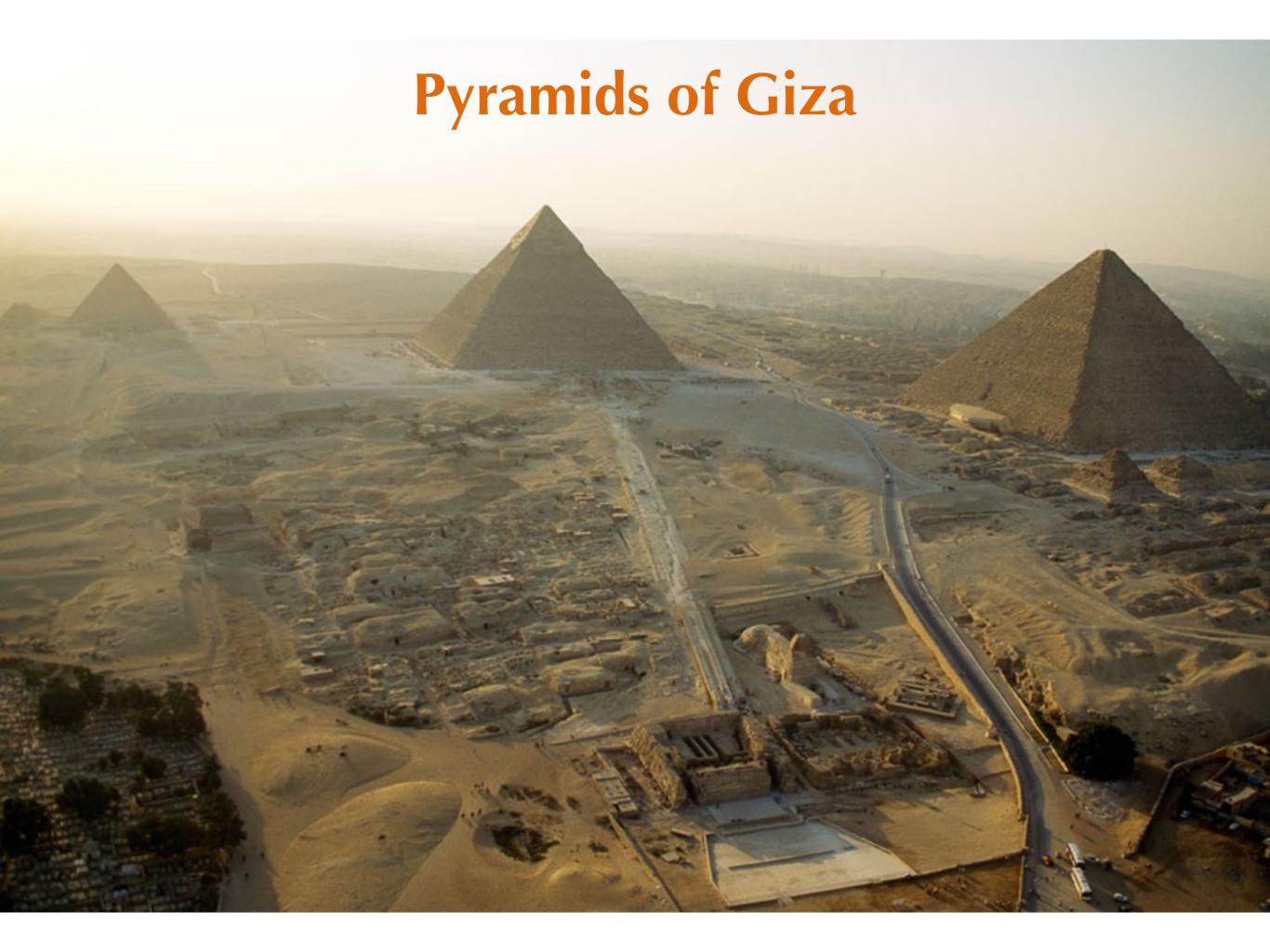
Menkaure in foreground



Pyramid actually *stepped* of giant red sandstone then sheathed in polished white limestone



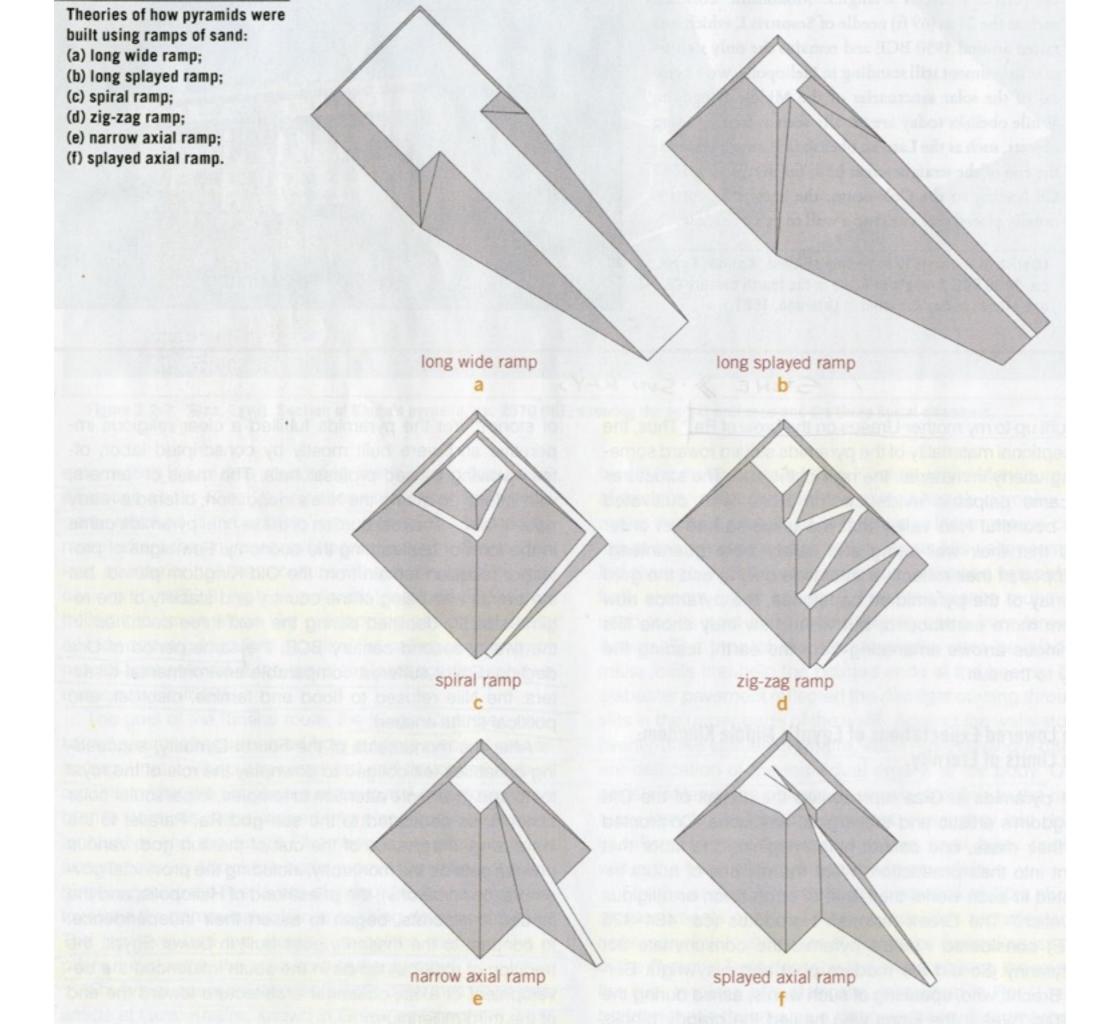
Polished white limestones sheathing pyramid











Old Kingdom steadily declined after this period... due to the exhaustion of wealth and slavery for such extravagance

Greek historian Herodotus (484-425 BCE) wrote that Khufu's pyramid was the ultimate act of *tyranny*...

### Mentuhotep — 2161-2040 BCE (hiatus of 350 years)

## Middle Kingdom - reunited Egypt 2150-1750 BCE

Relocated capital to Thebes in Upper Egypt

A new type of mortuary architecture terraced, cut from live rock as well as assembled from rock brought to site, colonnades... *a human scale* for tombs

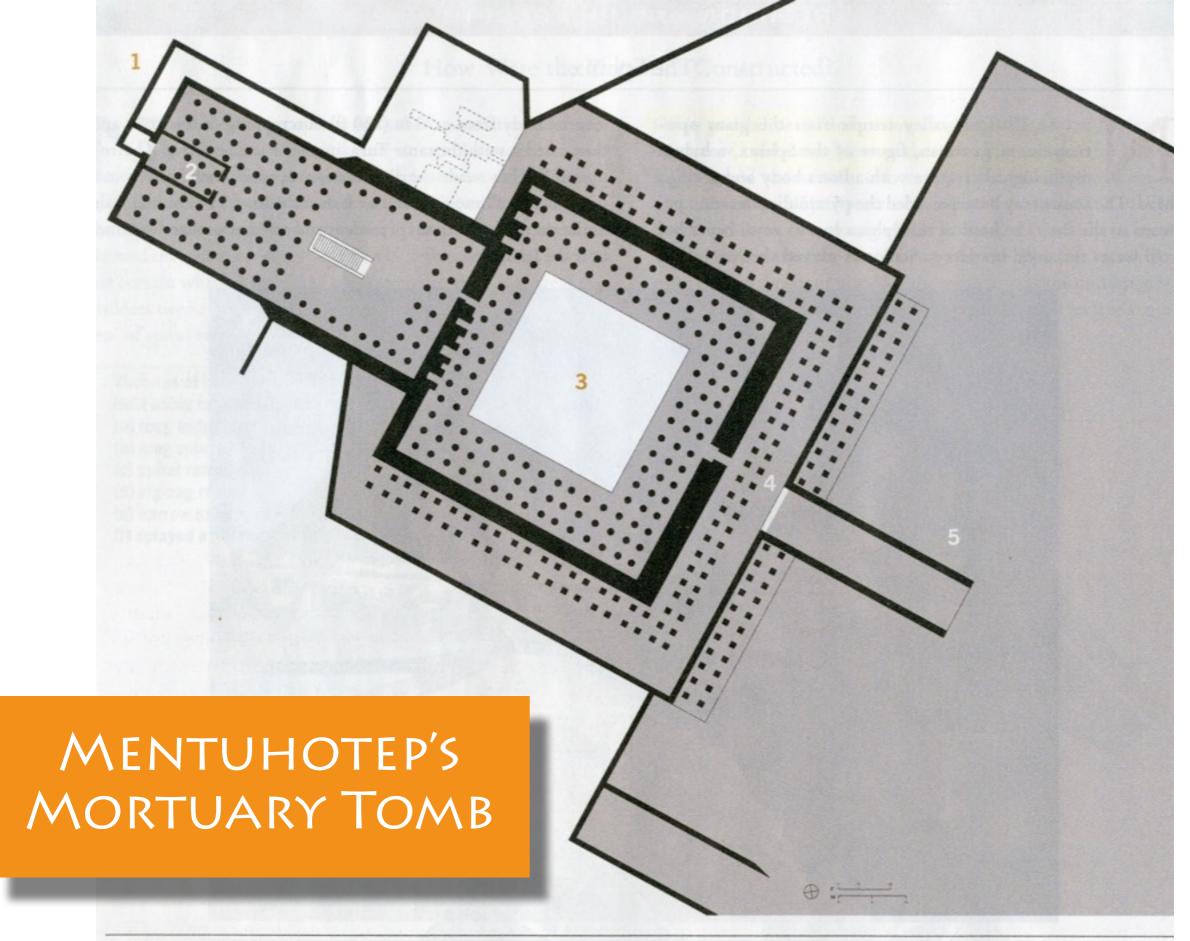
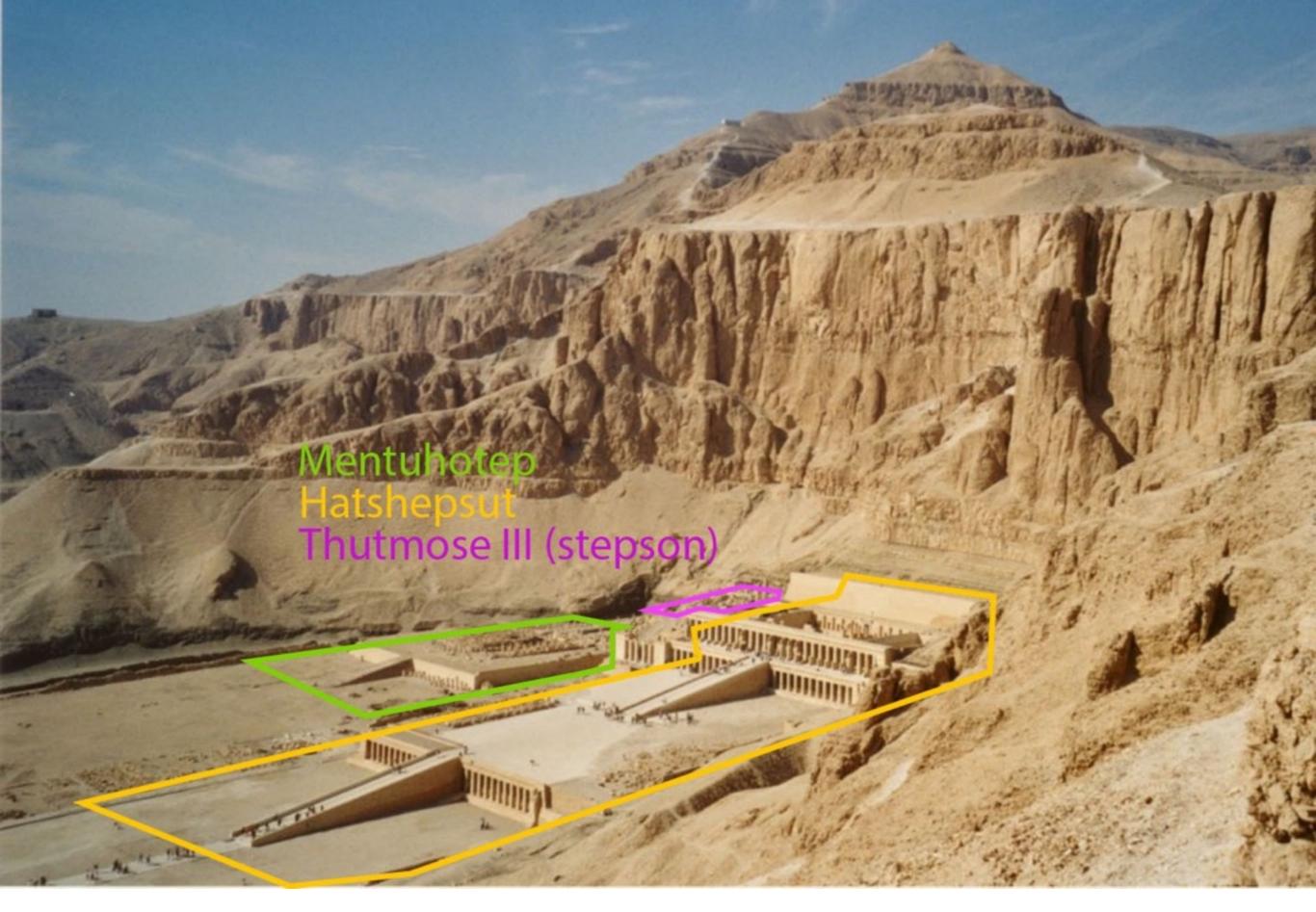


Figure 2.2-8 Deir el-Bahri, Egypt. Plan of the funeral complex of Mentuhotep I, ca. 2010 BCE. The progression moves west from planted forecourt to colonnaded terrace to rock-cut mortuary temple: (1) Mentuhotep I's tomb set in a tunnel within the cliff; (2) shrine to the god Montu-Ra; (3) square platform surrounded by colonnades; (4) porticoes with false tomb; (5) entry garden planted with Tamarisk trees.

Temple de Thoutmôsis III Temple d'Hatshepsout 15 12 Mentuhotep 1. Bab el-Hosan Hatshepsut 2. Vestibule inférieur 3. Terrasse avec colonnade 4. Yumulus 5. Salle hypostyle 6. Sanctuaire 7. Cour 14. Sanctuaire 8. Premier portique d'Amon 9. Première terrasse 15. Temple 10. Second portique solaire 11. Chapelle d'Hathor 16. Sanctuaire d'Hatshepsout 12. Chapelle d'Anubis et Touthmosis I 13. Cour

Mentuhotep vs. Hatshepsut

Mortuary Architecture



Tombs of Mentuhotep and Hatshepsut - at Deir-el-Bahri

end