



**WEEK 4**

# **THE ANCIENT EGYPTIANS**

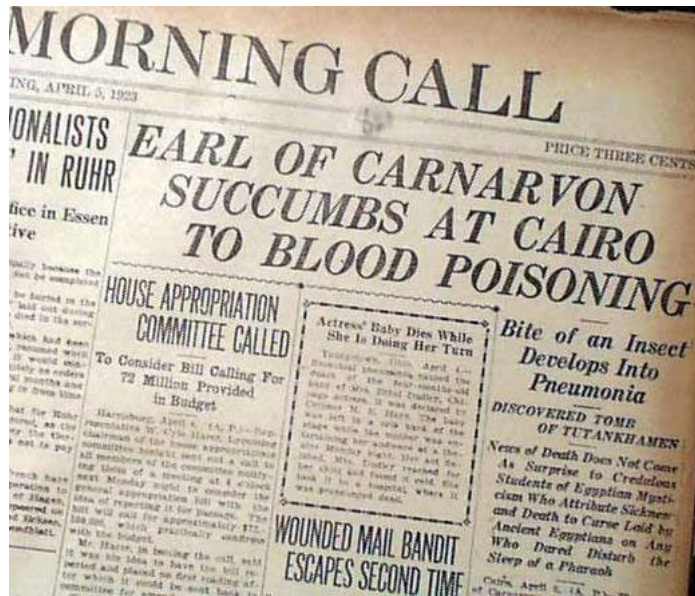
**FALL 2017**

**CHRISTOPHER WREN ASSOCIATION  
COLLEGE OF WILLIAM AND MARY**



**Dr. George DeRise  
Professor, Mathematics (retired)  
Thomas Nelson Community College**

## CURSE OF TUTANKHAMUN



**AT THE MOMENT OF LORD CARNARVON'S DEATH, THE LIGHTS WENT OUT IN CAIRO**

**BACK IN ENGLAND HIS DOG, SUSIE, HOWLED AND DIED IN THE SAME INSTANT.**

**ON THE DAY HOWARD CARTER OPENED THE TOMB, HIS PET CANARY WAS SWALLOWED BY A COBRA**

**TEN PEOPLE WHO ENTERED THE TOMB SUPPOSEDLY DIED WITHIN THE NEXT DECADE**

**THERE IS NO INSCRIPTION OF A CURSE ANYWHERE IN THE TOMB**

## **CARTER - CARNARVON SCANDAL**

**PROOF THAT THEY ENTERED THE TOMB ILLEGALLY**

**CARTER NO. VS. BURTON NO.**

**OPENING TO BURIAL CHAMBER**

**UNPUBLISHED LETTER LADY EVELYN TO CARTER**

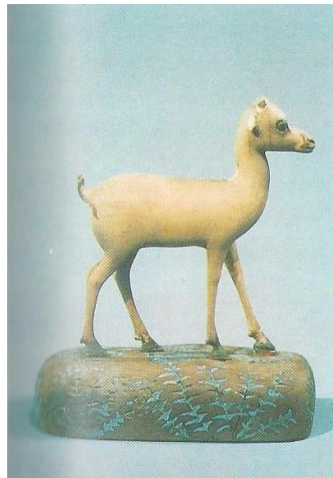
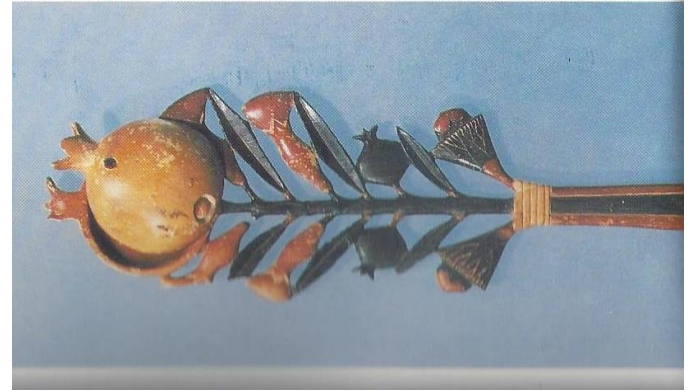
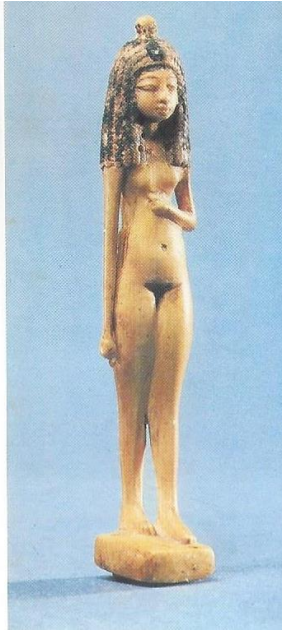
**OBJECT LUCAS SAW**

**NOTES PUBLISHED IN JOURNAL 1947**

**DID THEY TAKE ANYTHING?**



## OBJECTS SAID TO HAVE BEEN TAKEN BY HOWARD CARTER



# Met Is to Repatriate to Egypt Artifacts From King Tut's Tomb

By KATE TAYLOR NOV. 10, 2010

The [Metropolitan Museum of Art](#) is voluntarily returning 19 artifacts to Egypt that had been in its collection for decades and that Met curators recently determined came from [Tutankhamen's](#) tomb, the museum said on Tuesday.

[HOME PAGE](#) [TODAY'S PAPER](#) [VIDEO](#) [MOST POPULAR](#) U.S. Edition ▾

The New York Times

Arts








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[ART & DESIGN](#) [BOOKS](#) [DANCE](#) [MOVIES](#) [MUSIC](#) [TELEVISION](#) [THEATER](#)

## Egyptians Claim Lost King Tut Treasures

By HOWELL RAINES, Special to the New York Times  
Published: March 10, 1988

**LONDON, March 9**— The Egyptian Government is seeking to reclaim a trove of more than 300 artifacts found in the ancestral home of the British nobleman who financed the excavation of the tomb of King Tutankhamun in 1922.

The dispute developed after Lord Carnarvon, grandson of the original collector, revealed on Monday that the ancient objects had been hidden away for more than 60 years in a sealed cupboard at Highclere Castle.

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|  |  |      |
|--|--|------|
| <a href="#">031a</a>   | Green or blue faience vase                         | 1/2  |
|  <a href="#">032</a> | Chest of ivory, ebony, and red wood                | 8/15 |
| <a href="#">032a</a>   | Two vases of alabaster (calcite)                   | 2/1  |
| <a href="#">032b</a>   | Four vases of alabaster (calcite)                  | 1/1  |
| <a href="#">032c</a>   | Small cup of hard crystalline limestone            | 1/1  |
| <a href="#">032d</a>   | Small vase of alabaster (calcite)                  | 1/1  |
| <a href="#">032e</a>   | Small vase of alabaster (calcite)                  | 1/1  |
| <a href="#">032f</a>   | Small vase of hard crystalline limestone           | 1/2  |
| <a href="#">032g</a>   | Small vase of hard crystalline limestone           | 1/1  |
| <a href="#">032h</a>   | Vase of dark mottled serpentine                    | 1/2  |
| <a href="#">032i</a>   | Kohl pot of dark serpentine                        | 1/2  |
| <a href="#">032j</a>   | Small vase of translucent white glass              | 1/2  |
| <a href="#">032k</a>   | Small vase of indigo-blue glass                    | 1/2  |
| <a href="#">032l</a>   | Small vase of indigo-blue glass                    | 1/2  |
| <a href="#">032m</a>   | Pottery bowl                                       | 1/1  |
| <a href="#">032n</a>   | Six small pottery saucers                          | 1/1  |
| <a href="#">032o</a>   | Four paint slabs of hard crystalline limestone     | 1/1  |
| <a href="#">032p</a>   | Two knives of slate-coloured hard cherty limestone | 1/1  |
| <a href="#">032q</a>   | Five knives of hard crystalline limestone          | 1/1  |
| <a href="#">032r</a>   | Rush basket lid                                    | 1/0  |
| <a href="#">032s</a>   | Lumps of resin                                     | 1/0  |
| <a href="#">032t</a>   | Four incense balls                                 | 1/3  |
| <a href="#">032u</a>   | A quantity of small dried fruits                   | 1/0  |
| <a href="#">032v</a>   | Gold cap or boss                                   | 1/0  |
| <a href="#">032w</a>   | Broken ostrich feathers                            | 1/0  |
| <a href="#">032x</a>   | Small bunch of (?) garlic (? or bulbs)             | 2/1  |
| <a href="#">033</a>  | Wooden stand (?)                                   | 1/7  |
| <a href="#">034</a>  | Hassock, bran and beadwork                         | 2/2  |























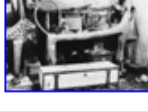
The Griffith Institute  
**Tutankhamun: Anatomy of an Excavation**  
 The Howard Carter Archives  
 Photographs by Harry Burton

[Introduction](#)

[Previous](#)

[Main list](#)

[Next](#)

|   |  |   |  |   |
|---|--|---|--|---|
| Carter No.                                    | <b>032</b>   |   |  |   |
| Cairo, Egyptian Museum                        | <b>JE 61445; Exhib. 5<br/>JE 62722; Exhib. 1580 (14)</b>   |   |  |   |
| Description in Murray-Nuttall <i>Handlist</i> | <b>Chest of ivory, ebony, and red wood</b>   |   |  |   |
| Card(s) & transcript(s)                       |  <a href="#">032-1</a>  |  <a href="#">032-2</a>  |  <a href="#">032-3</a>  |  <a href="#">032-4</a> |
|   |  <a href="#">032-5</a>  |  <a href="#">032-6</a>  |  <a href="#">032-7</a>  |  <a href="#">032-8</a> |
| Burton photograph(s)                          |  <a href="#">0088</a>   |  <a href="#">0089</a>   |  <a href="#">0090</a>   |  <a href="#">0091</a>  |
|   |  <a href="#">0092</a>   |  <a href="#">0093</a>   |  <a href="#">0094</a>   |  <a href="#">1223</a>  |
|   |  <a href="#">1557</a>  |  <a href="#">0007</a>  |  <a href="#">0019</a>  |  <a href="#">0020</a> |
|   |  <a href="#">0021</a> |  <a href="#">1695</a> |  <a href="#">2009</a> |   |
| Text  | <b>Beinlich &amp; Saleh, p.11-15</b>   |   |  |   |



Carter No.: 032

Handlist description: **Chest of ivory, ebony, and red wood**

Card/Transcription No.: 032-1

32. Chest of ivory, ebony and red wood.

1. Position

Under lion couch (35). Knob end facing door.

2. Dimensions

with lid 83 x 60.5 x 63.5 overall. (See diagrams).

3. Description

Lid Framework of ebony. Inside red wood panels, on edges of which were 4 strips of veneer, ivory, ebony, ivory, ebony. Gable ends however only had 3 strips, ivory, ebony, ivory.

Cornice Corners dovetailed, and mitred above. Ebony.

Torus-moulding Covered with gold leaf.

Box proper Corner posts & upper & lower frames of ebony. Within centre panels of red wood, on edges of which

(cont)

32. Chest of ivory, ebony and red wood.

1. Position Under lion couch (35). Knob end facing door.

2. Dimensions with lid 83 x 60.5 x 63.5 overall. (See diagrams).

3. Description Lid Framework of ebony. Inside red wood panels, on edges of which were <sup>to</sup> 4 strips of veneer, ivory, ebony, ivory, ebony. ~~Sides~~ Gable ends however only had 3 strips, ivory, ebony, ivory.



**THE MUMMY OF TUTANKHAMUN BBC 2017**

**18TH DYNASTY C.1550-1295 BC**

**AHMOSE I 1570-1546**

**AMENHOTEP I C.1546-1527**

**THUTMOSE I C.1527-1515**

**THUTMOSE II C.1515-1498**

**QUEEN HATSHEPSUT C.1498-1483**

**THUTMOSE III C.1504-1450**

**AMENHOTEP II C.1450-1412**

**THUTMOSE IV 1412-1402**

**AMENHOTEP III C.1402-1364**

**AMENHOTEP IV/AKHENATEN C.1350-1334**

**SMENKHKARE C.1334**

**TUTANKHAMUN C.1334-1325**

**AY C.1325-1321**

**HOREMHEB C.1321-1293**

**19TH DYNASTY C.1295-1186 BC**

**RAMSES I C.1293-1291**

**SETI I C.1291-1278**

**RAMSES II C.1279-1212**

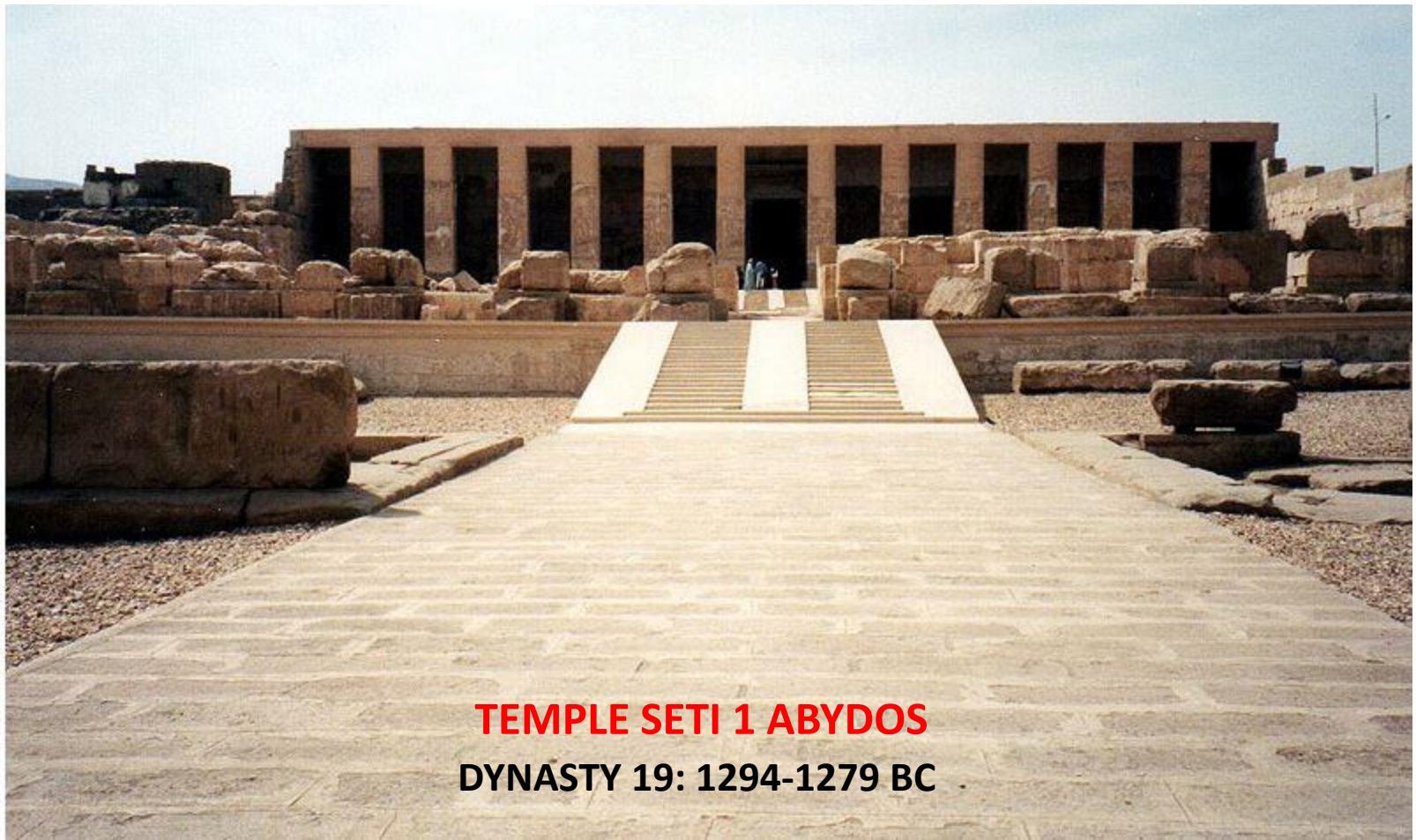
**MERNEPTAH C.1212-1202**

**AMENMES C.1202-1199**

**SETI II C.1199-1193**

**MERNEPTAH SIPTAH C.1193-1187**

**QUEEN TWOSRET C.1187-1185**



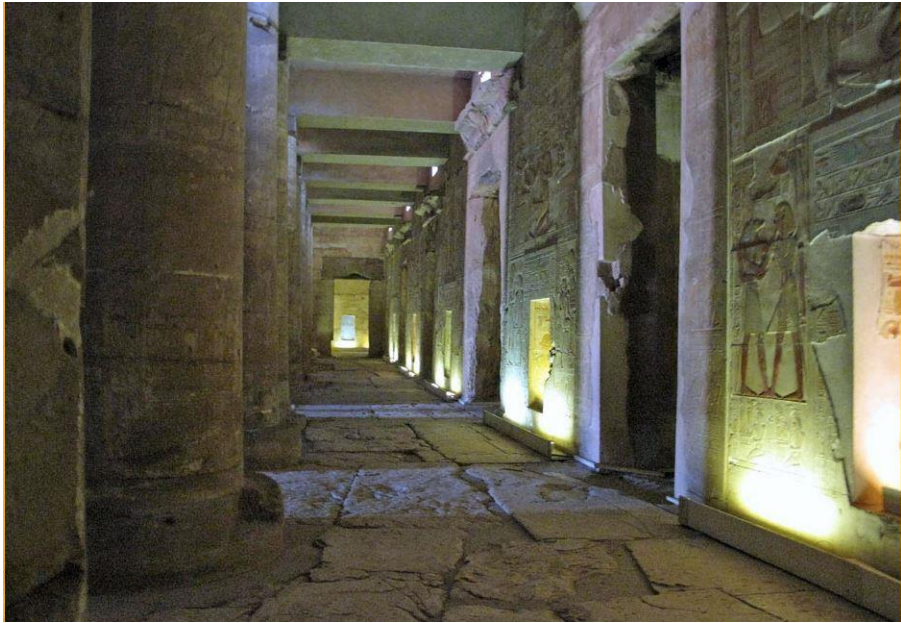
**TEMPLE SETI 1 ABYDOS**  
**DYNASTY 19: 1294-1279 BC**

[Temple de Sethy I à Abydos – Osirisnet](#) Fr. Engl.

[Le temple de Sethy – AbydosSethy](#) Fr.



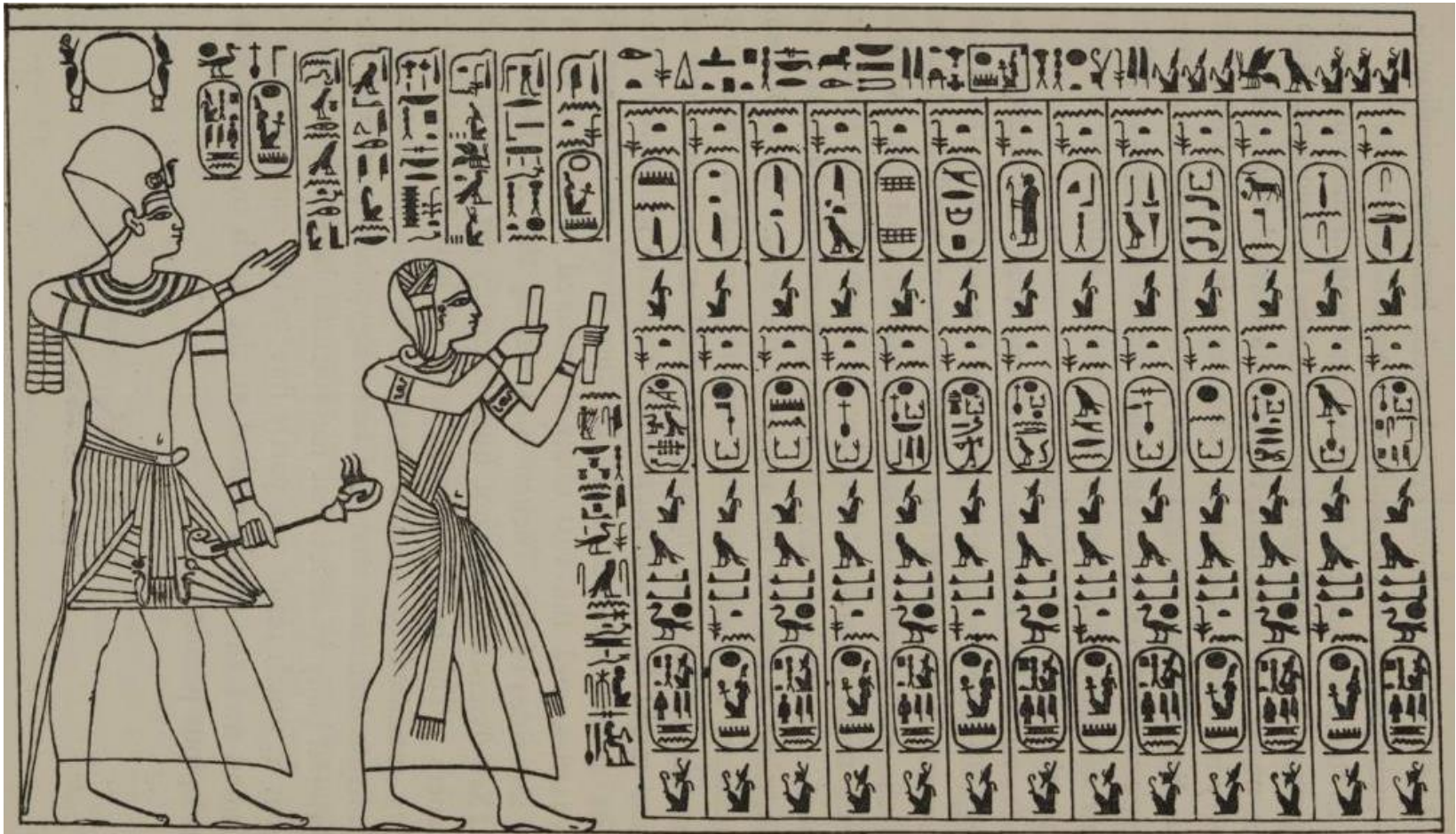
**TEMPLE SETI 1 ABYDOS - SECOND HYPOSTYLE HALL**



**THE SEVEN CHAPELS**



**CHAPEL OF ISIS**



**TEMPLE SETI 1 - ABYDOS KING'S LIST**



## **RAMESSES II**

**1279-1213 BC**

**HIS FIRST TWO PRINCIPAL WIVES, NEFERTARI AND ISETNOFRET  
SIX MORE GREAT ROYAL WIVES DURING HIS REIGN –**

**44–56 SONS AND 40–44 DAUGHTERS**



# **BATTLE OF KADESH**

**MAY 1274 BC**

**RAMESSES II VS. HITTITE MUWATALLI II**

**EGYPT: FOUR DIVISIONS:  
AMUN, RE, SETH, PTAH DIVISIONS  
20,000 MEN**

**HATTI: 50,000 MEN**

**OUTCOME ??**



**RELIEF - ABU SIMBEL TEMPLE**

**KADESH PEACE AGREEMENT:**  
**EARLIEST PEACE AGREEMENT ON RECORD**

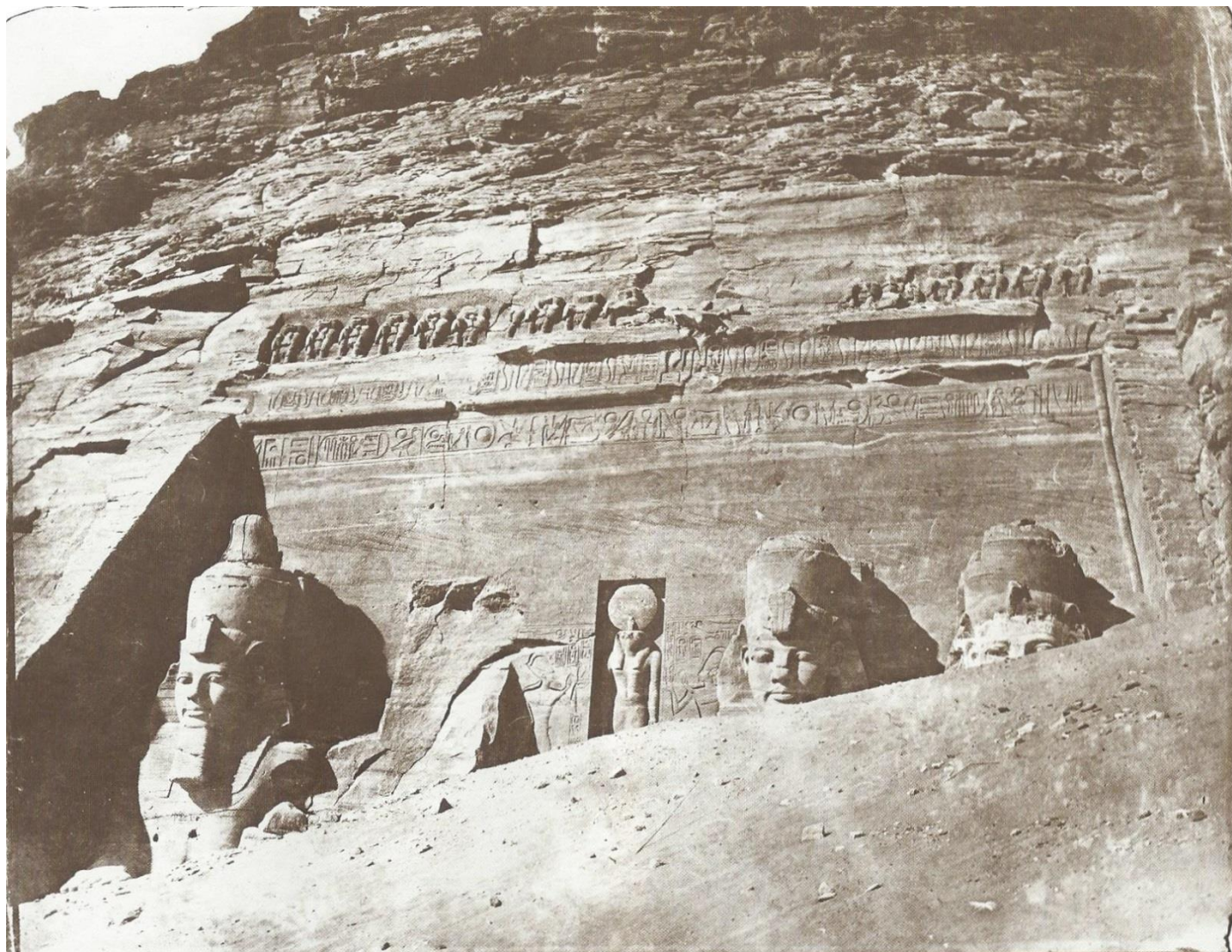
**SAME TREATY-TWO VERSIONS.**  
**ONE IN CUNEIFORM, OTHER IN HIEROGLYPHS**

**YEAR 21, FIRST MONTH OF WINTER,  
DAY 21 UNDER THE MAJESTY OF THE  
KING OF UPPER AND LOWER EGYPT  
USERMAARA-SETEPENRA  
SON OF RA,RAMESSE-MI-AMON...**





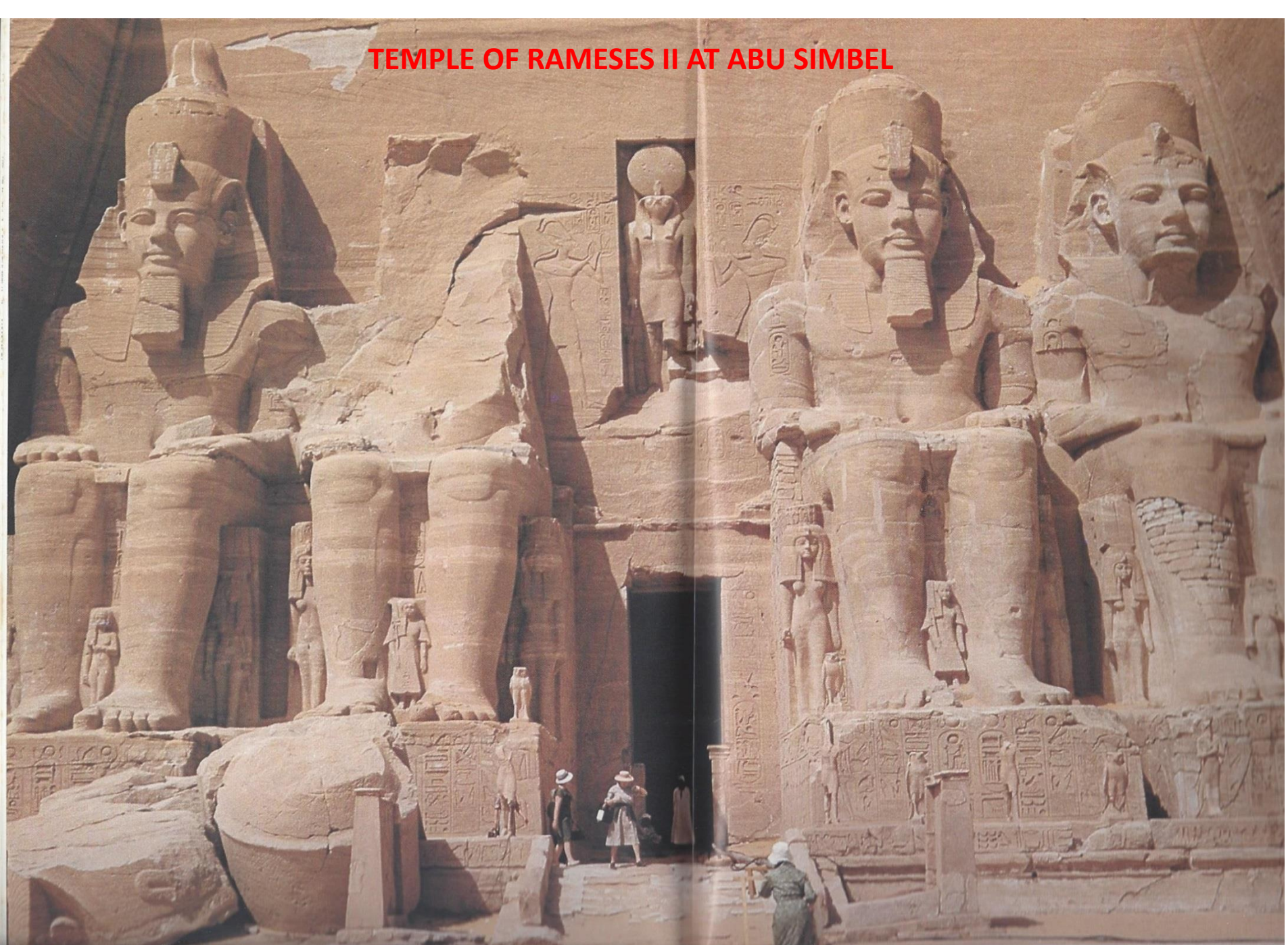
**GREAT HYPOSTYLE HALL RAMESES II**



**TEMPLE OF RAMESES II AT ABU SIMBEL**

**PHOTO 1851, UNIVERSITY OF TEXAS AT AUSTIN**

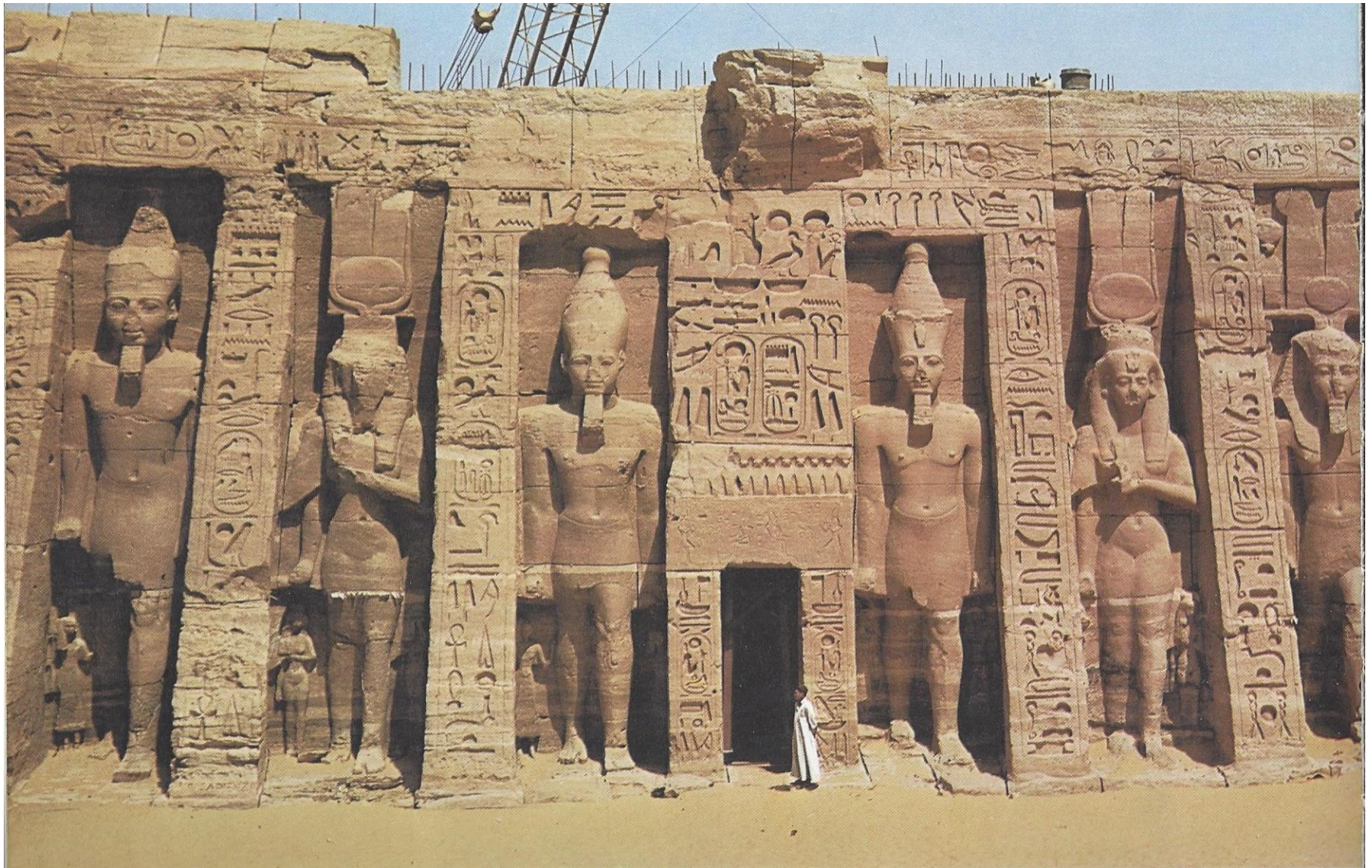
**TEMPLE OF RAMESES II AT ABU SIMBEL**



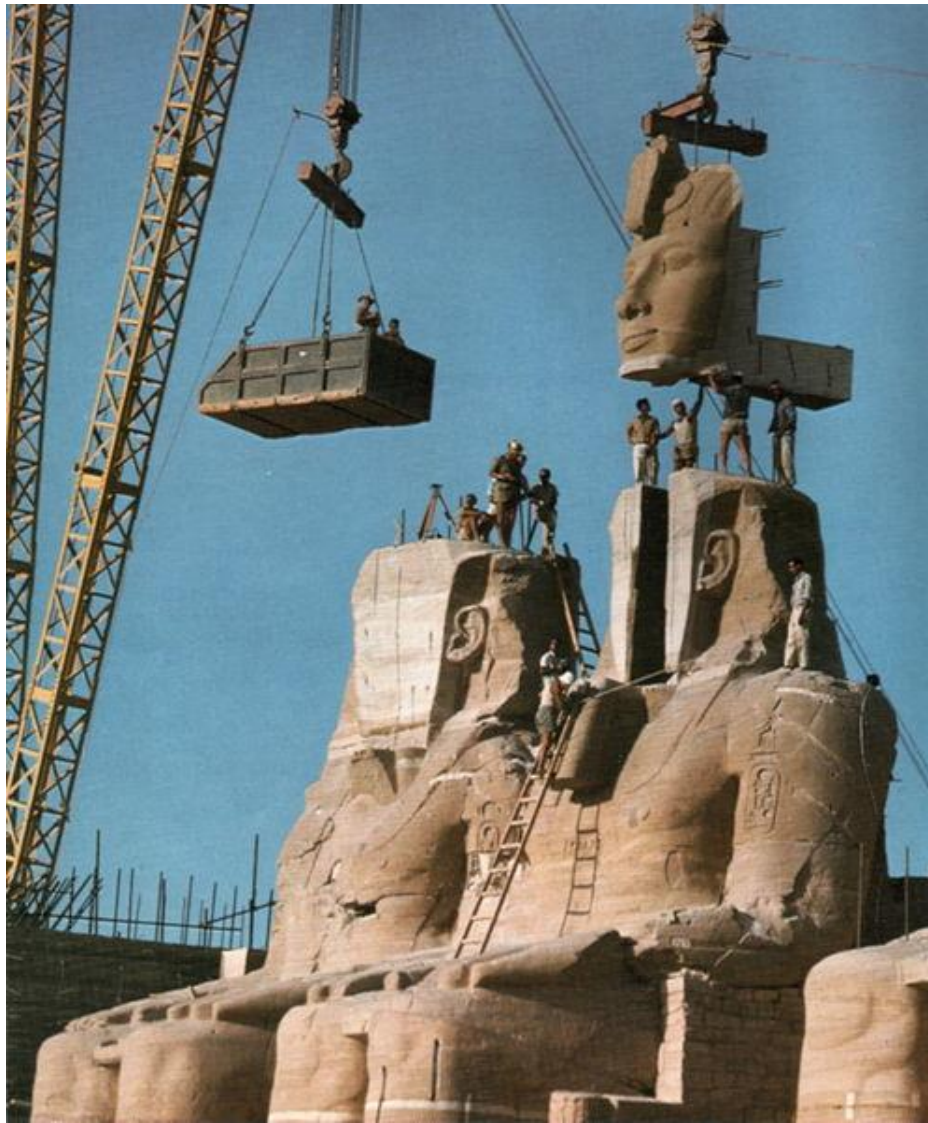
**1264-1244 BC**



**TEMPLE OF RAMESES II AT ABU SIMBEL**  
**GREAT ROYAL WIFE NOFRETARY AT HIS SIDE**



**TEMPLE OF HATHOR AND NOFRETARY - ABU SIMBEL**



**UNESCO NUBIAN RESCUE**



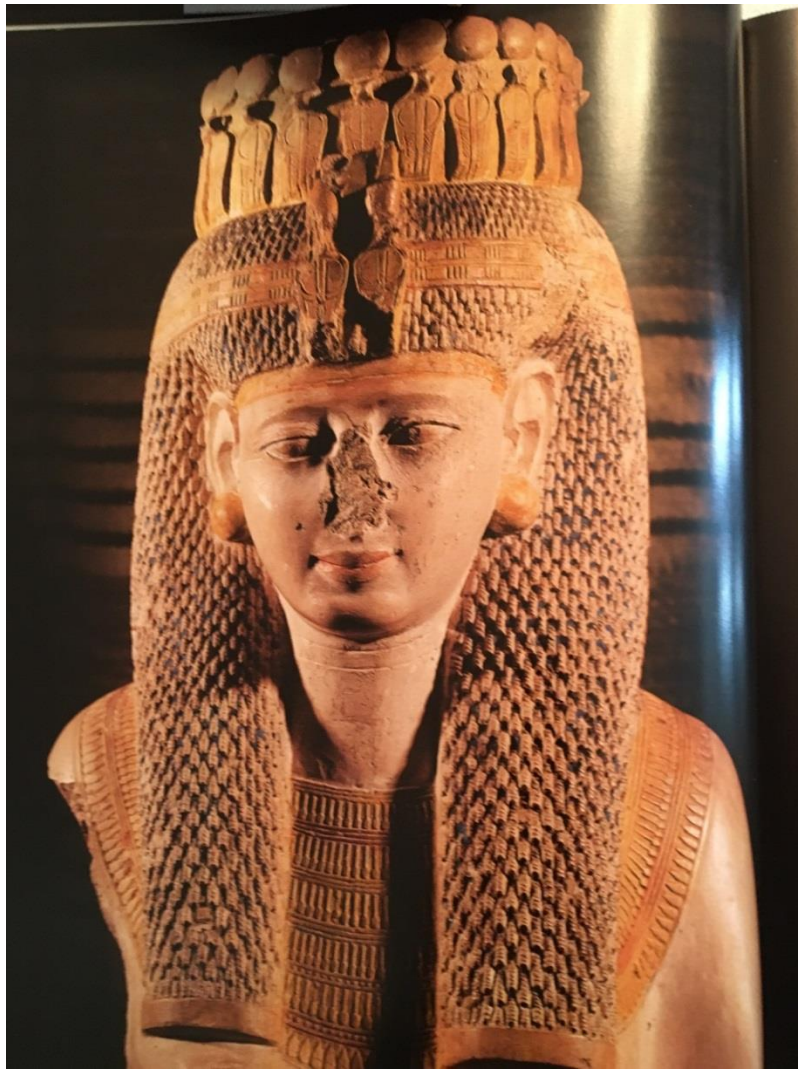
## THE RAMESSEUM



THE YOUNG MEMNON

...AND ON THE PEDESTAL THESE WORDS APPEAR:  
**'MY NAME IS OZYMANDIAS, KING OF KINGS:  
LOOK ON MY WORKS, YE MIGHTY, AND DESPAIR!'**  
NOTHING BESIDE REMAINS. ROUND THE DECAY  
OF THAT COLOSSAL WRECK, BOUNDLESS AND BARE...

PERCY BYSSHE SHELLEY



**THE WHITE QUEEN**

**MERYTAMUN GREAT ROYAL WIFE OF RAMESSES II**

# LADY HENUTMEHIT

c. 1250 BC



GILDED OUTER COFFIN



MIDDLE COFFIN



INNER COFFIN



**THE LADY'S SHABTY BOX AND SHABTYS**

**FROM THE TOMB OF LADY HENUTMEHIT**

# **TOMB KV5 SONS OF RAMESES II**

**LARGEST TOMB IN THE VALLEY OF THE KINGS**

**TOTAL LENGTH: 1454FT**

**STILL UNDER EXCAVATION**

**SO FAR REVEALED 121 CORRIDORS AND CHAMBERS.**

**LIKELY THAT THE NUMBER OF CHAMBERS WILL INCREASE TO 150 OR MORE**

**PILLARED CHAMBER 3 IS THE LARGEST CHAMBER OF ANY TOMB IN KV**



**RAMESES III**

**FIRST WORKERS STRIKE**



**RAMESES III DYNASTY 20, C.1184-1153 BC**

**RAMESES III:**  
**HAREM CONSPIRACY**



**RAMESES III, Dynasty 20, c.1184-1153 BC**



PIERRE MONTET, 1939

TOMB OF **PSUSENNES I** 21<sup>ST</sup> DYNASTY  
1039-991 BC

TANIS



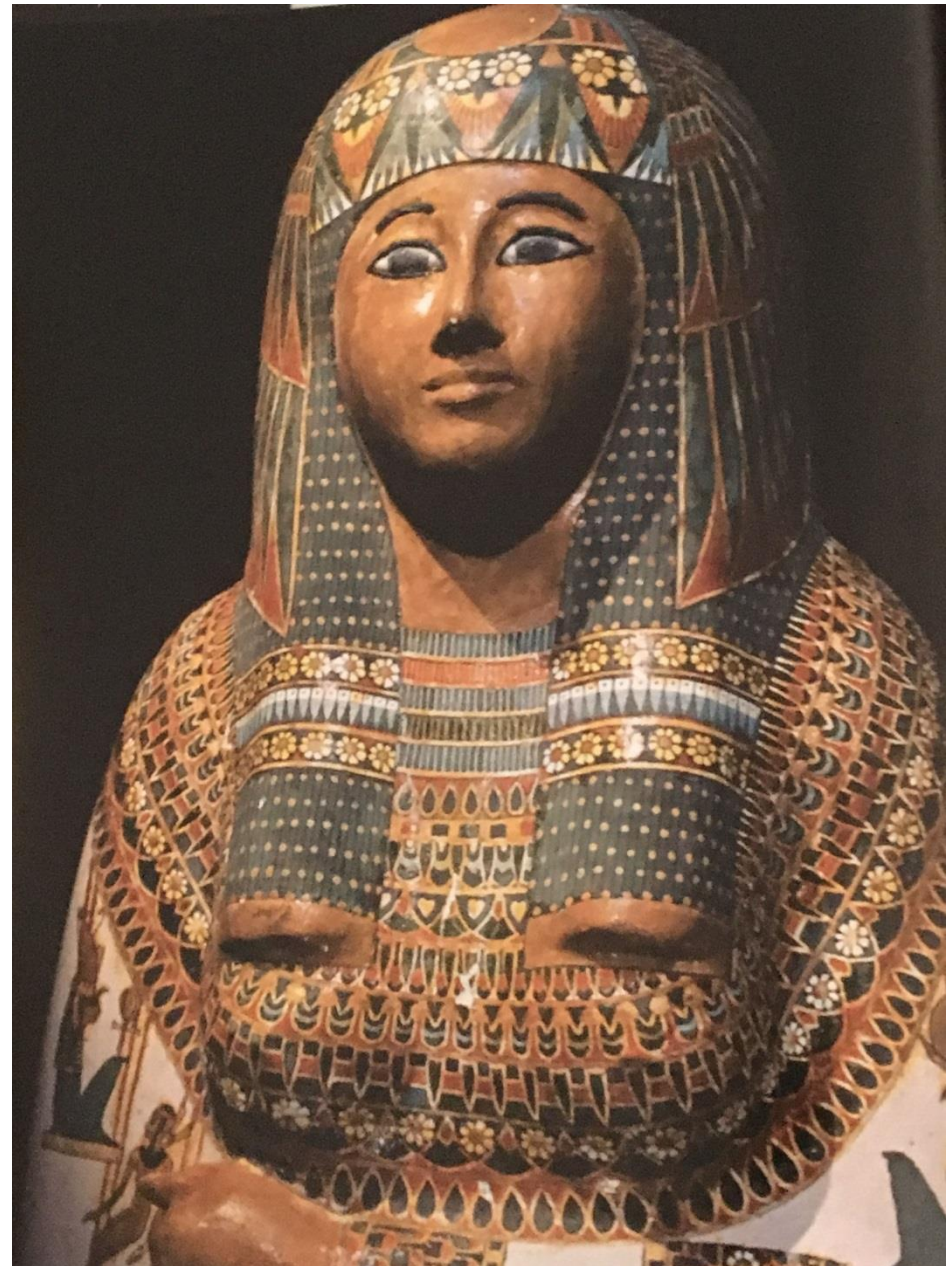
**THIRD INTERMEDIATE PERIOD**

**1069 – 747 BC**

**LADY TJENTKERERSHERIT THE YOUNGER**

**924- 899 BC**

**DYN 22 (LIBYAN) 945 – 715 BC**



## TWENTY-SECOND DYNASTY –

### BUBASTITE-LIBYAN DYNASTY



SPHINX OF KING SHOSHENQ I, BROOKLYN MUSEUM

**SHOSHENQ I** (945–924 BC) ?

**SHISHAQ: 1 KINGS 11:40, 14:25, 2 CHRONICLES 12:2-9**

“IN THE FIFTH YEAR OF KING REHOBOAM, KING SHISHAK OF EGYPT MARCHED AGAINST JERUSALEM.” (1 KINGS 14:25)

## TWENTY-FIFTH DYNASTY -NUBIAN DYNASTY

**SHABAKA  
TAHARQA**



**SHABAKA** c. 700 BC

## **TWENTY-SIXTH DYNASTY -SAITE PERIOD (664-525 BC)**

**NECHO II (610–595 BC)**

**MET KING JOSIAH OF THE KINGDOM OF JUDAH AT MEGIDDO AND  
KILLED HIM (2 KINGS 23:29)**

**(2 CHRONICLES 35:20–27) GIVES AN ACCOUNT OF HIS DEATH**

**ARTISTIC REVIVAL  
ARCHAIZING**

## **TWENTY-SEVENTH DYNASTY - PERSIAN DYNASTY**

**525 BC to 404 BC**

**THE LAST PHARAOH OF THE 26TH DYNASTY, PSAMTIK III, WAS DEFEATED BY  
CAMBYSES II AT THE BATTLE OF PELUSIUM 525 BC.**



**DARIUS THE GREAT**

**XERXES I THE GREAT MURDERED 465 BC**





**ALEXANDER THE GREAT 356-323 BC**

**CONQUERED EGYPT 332 BC**

**PRONOUNCED THE SON OF AMUN  
(PHARAOH)**

**BY THE ORACLE OF SIWA OASIS  
IN THE LIBYAN DESERT**

**DIED 323 BC**



## **REIGN OF THE PTOLEMIES 304 - 30 BC**

**HELLENISTIC MACEDONIAN FAMILY WHICH RULED EGYPT 305 -30 B.C.**

**PTOLEMY, ONE OF ALEXANDER THE GREAT'S GENERALS WAS APPOINTED GOVERNOR OF EGYPT AFTER ALEXANDER'S DEATH IN 323 B.C.**

**HE DECLARED HIMSELF KING PTOLEMY I, LATER KNOWN AS "SOTER" (SAVIOR).**

**FIRST TRANSLATION OF THE HEBREW BIBLE INTO GREEK,  
SEPTUAGINT- PTOLEMY II (285-246 BC).**

**ROSETTA STONE - PTOLEMY V EPIPHANES.**

**TRANSFORMED ALEXANDRIA INTO A LEADING CULTURAL CENTER.  
THE ALEXANDRIA LIBRARY, EUCLID; LIGHTHOUSE**

**TEMPLES:**

**HORUS AT EDFU**

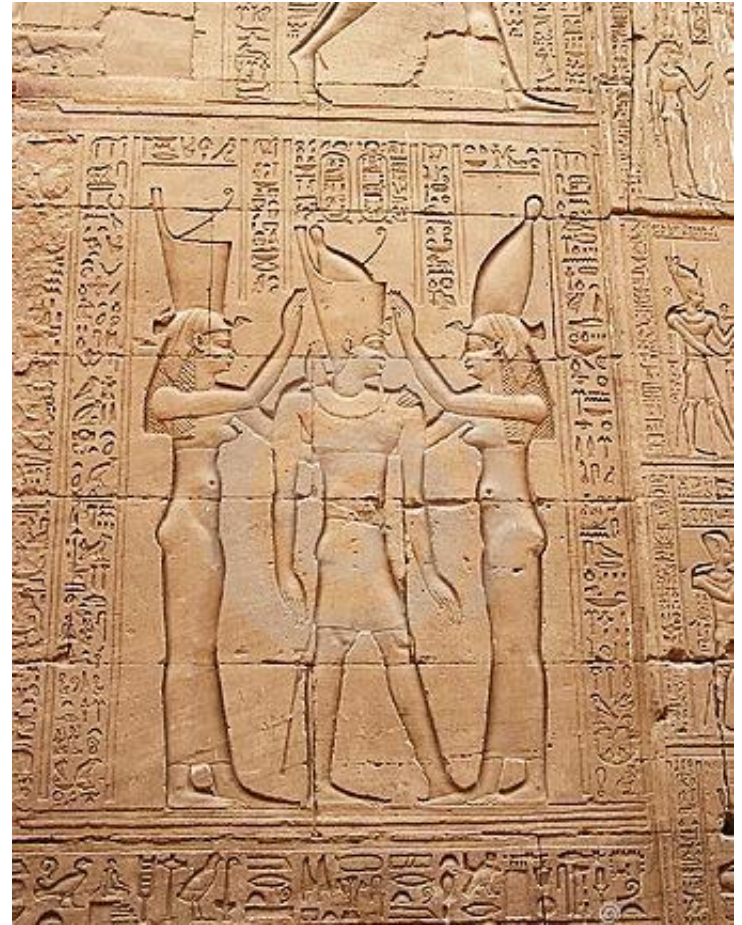
**ISIS AT PHILAE**

**HATHOR AT DENDERA**

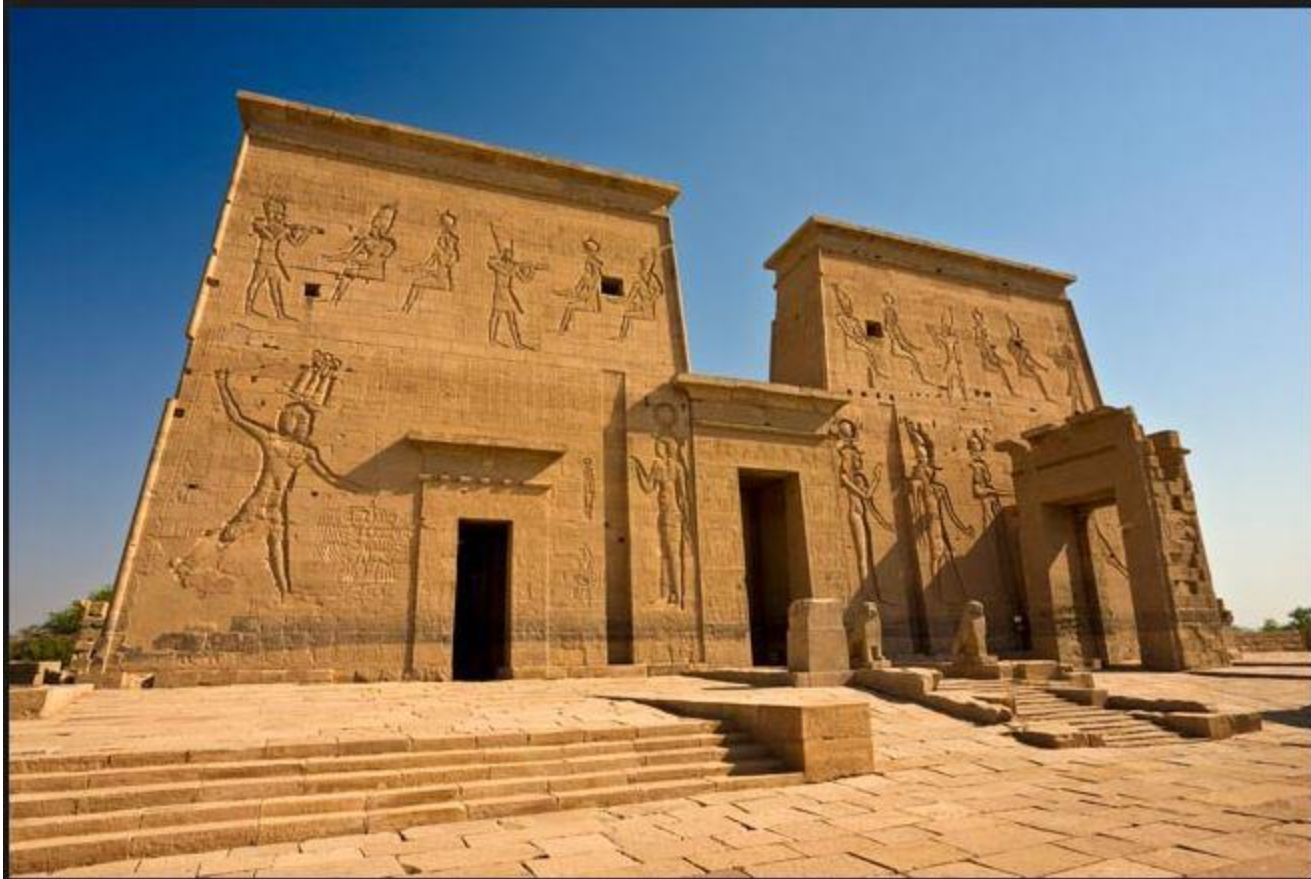
**CLEOPATRA VII - LAST IMPORTANT PTOLEMY.**



**TEMPLE OF HORUS AT EDFU**



**TEMPLE OF HORUS AT EDFU**

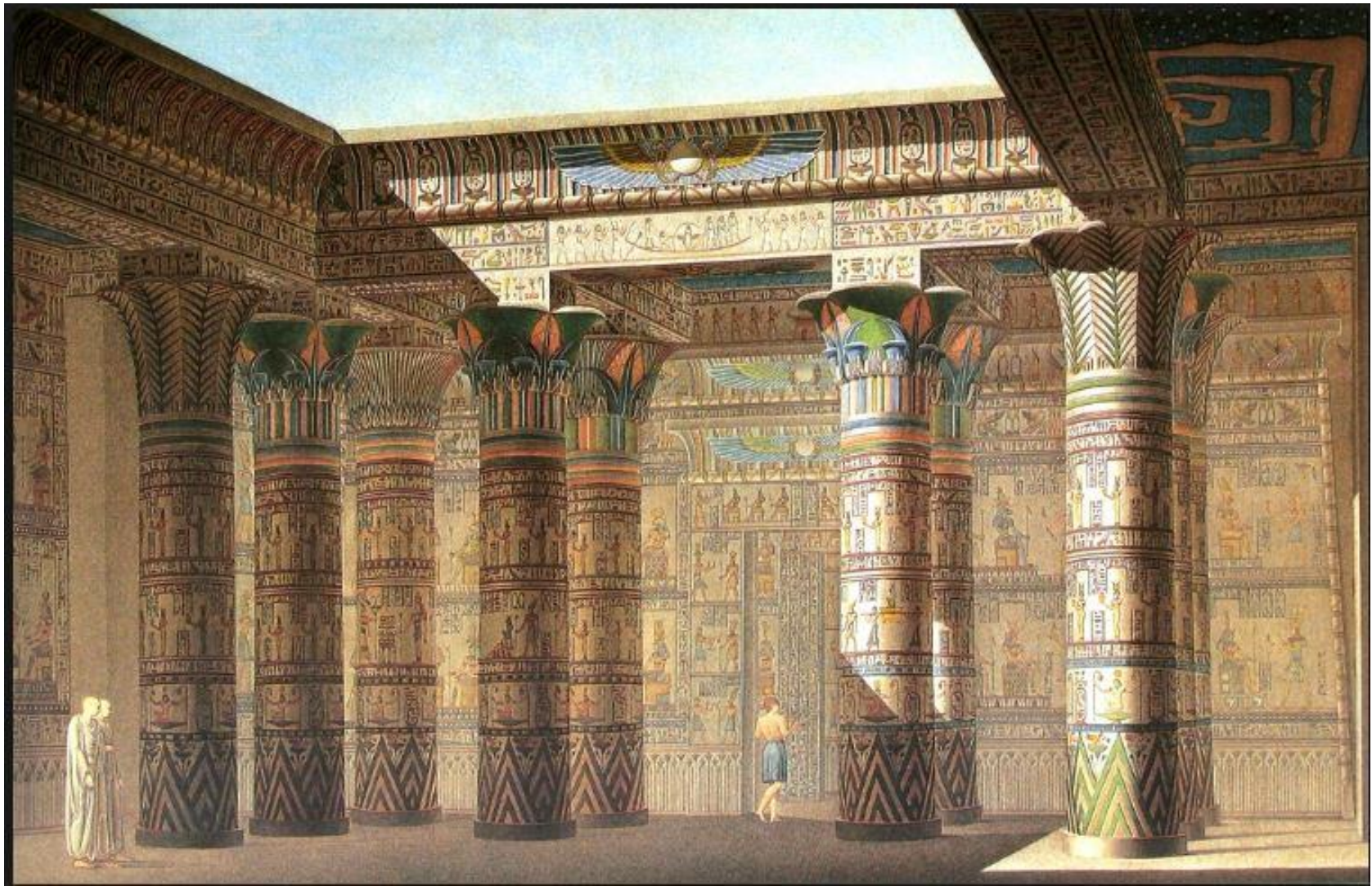


**TEMPLE OF ISIS AT PHILAE**



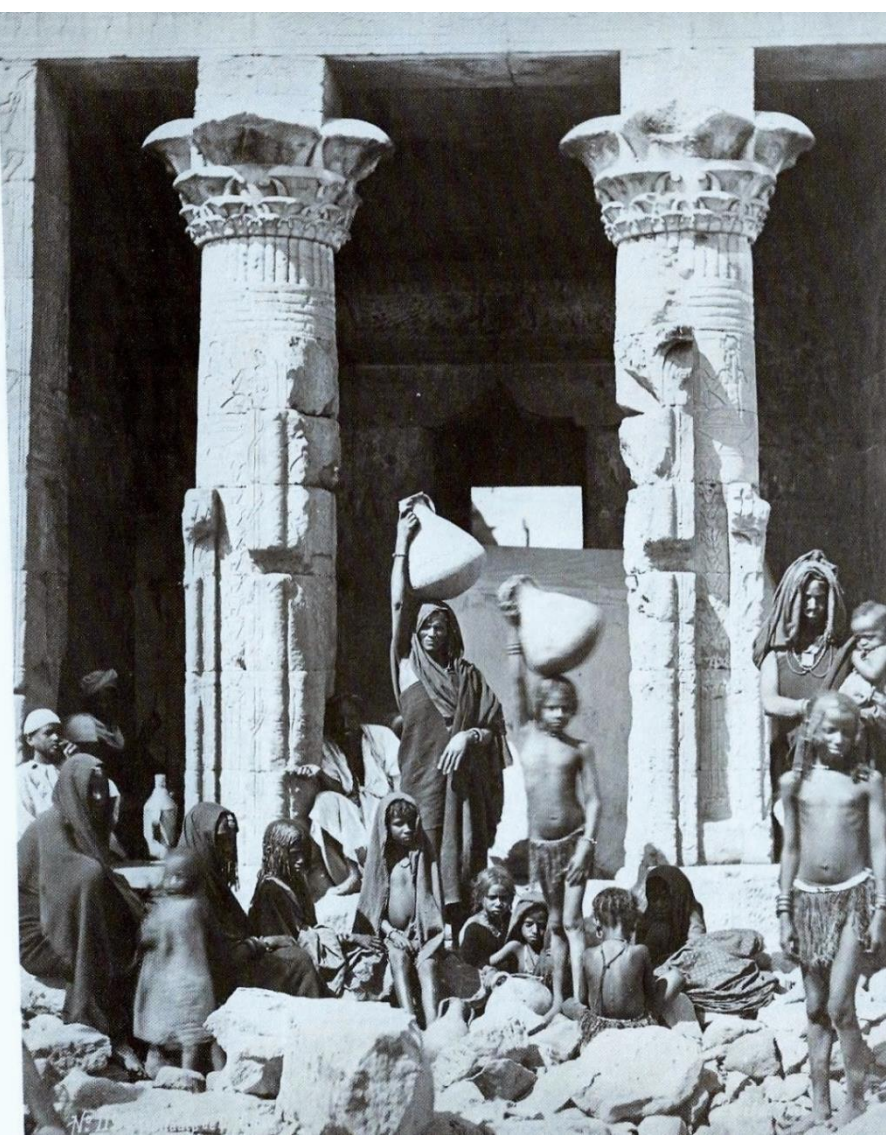


**TEMPLE OF ISIS AT PHILAE 1960**



**TEMPLE OF ISIS AT PHILAE  
DESCRIPTION DE L'EGYPTE**

**VIEW FROM THE PORTICO OF THE GREAT TEMPLE**



**NUBIANS IN FRONT OF TEMPLE OF DENDUR,  
PHOTO c. 1868**



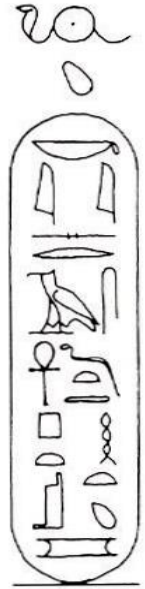
**PHOTO 1878  
BROOKLYN MUSEUM**



**TEMPLE OF DENDUR 1961-62**



**METROPOLITAN MUSEUM OF ART NEW YORK**



**MET, N.Y. TEMPLE OF DENDUR  
CARTOUCHES OF AUGUSTUS CAESAR**



**TEMPLE OF HATHOR AT DENDERA**









**TEMPLE OF HATHOR AT DENDERA - ASTRONOMICAL CEILING**

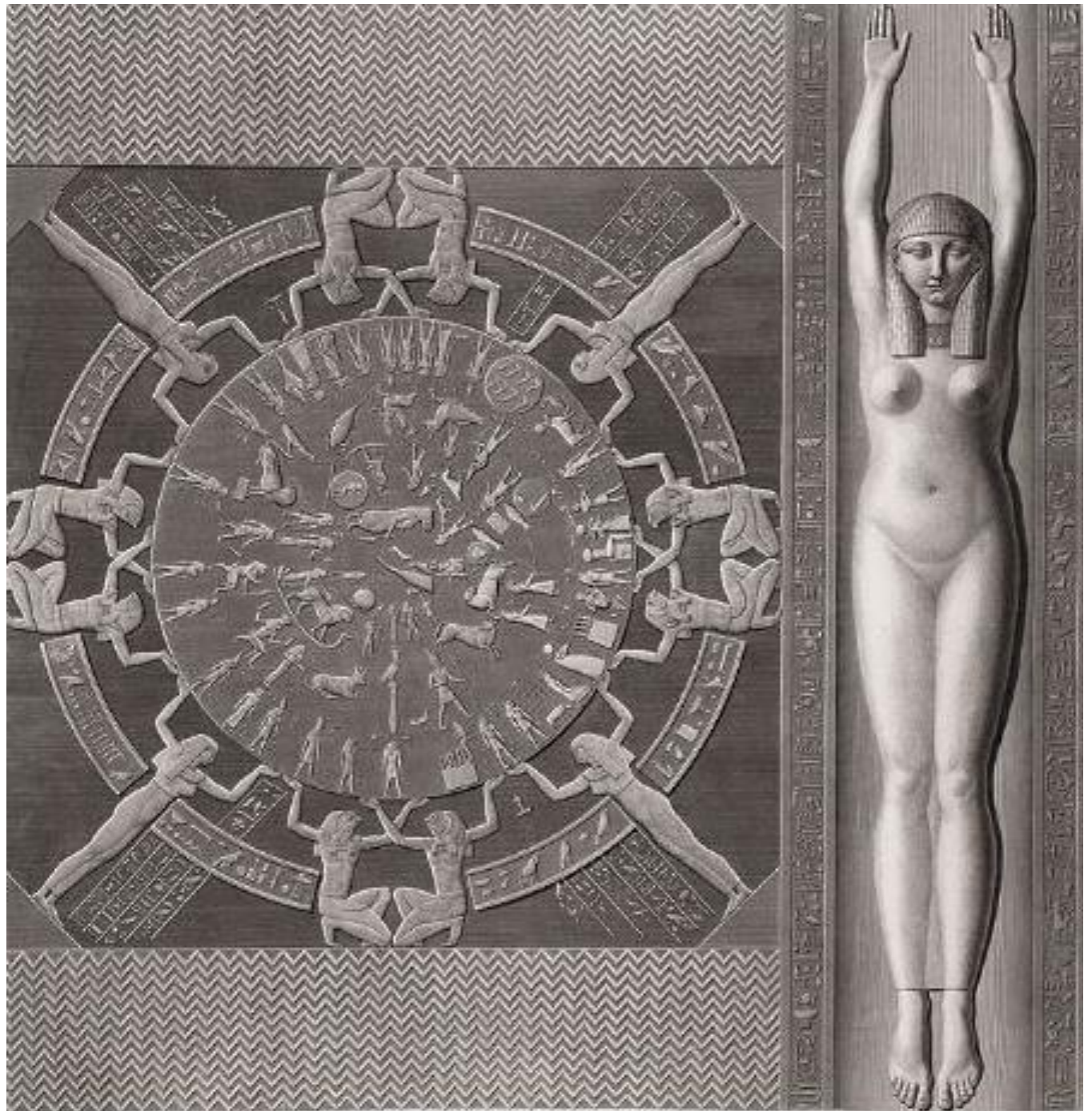


**TEMPLE OF HATHOR AT DENDEA  
ASTRONOMICAL CEILING**

**SOPDET AND SAHU (SIRIUS AND ORION)**



**TEMPLE OF HATHOR AT DENDERA - ASTRONOMICAL CEILING**  
**ZODIAC-TAURUS THE BULL**

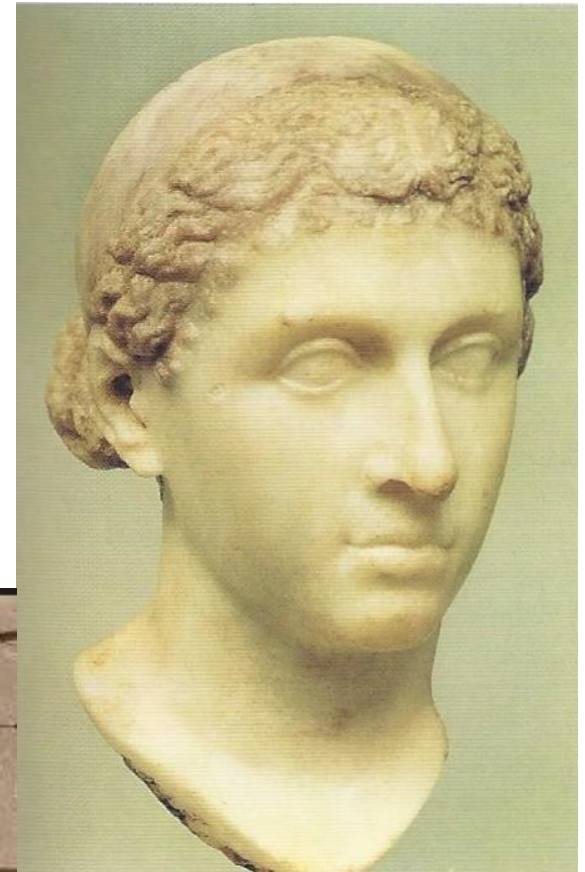


**TEMPLE OF HATHOR  
AT DENDERA**

**ZODIAC**



**TEMPLE OF HATHOR AT DENDERA  
CLEOPATRA AND CAESARION**



**CLEOPATRA VII  
69 BC-30 BC**



LA 20th CENTURY-FOX PRESENTA

ELIZABETH TAYLOR

NEL FILM DI

JOSEPH L. MANKIEWICZ

CLEOPATRA

CON

RICHARD BURTON - REX HARRISON

(MARC ANTONIO)

IN TODD-AO

(GIULIO CESARE)



CON PAMELA BROWN - GEORGE COLE - HUME CRONIN - CESARE DANOVA - KENNETH HAIGH - RODDY McDOWALL

PRODOTTO DA

DIRETTO DA

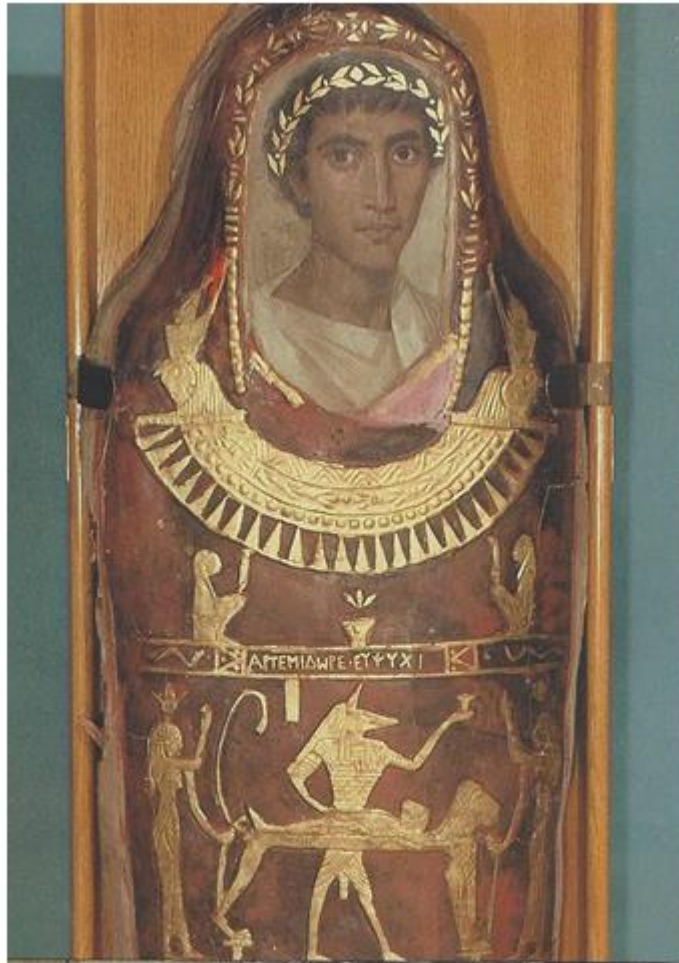
SCENEGGIATURA DI

MUSICA DI COLORE

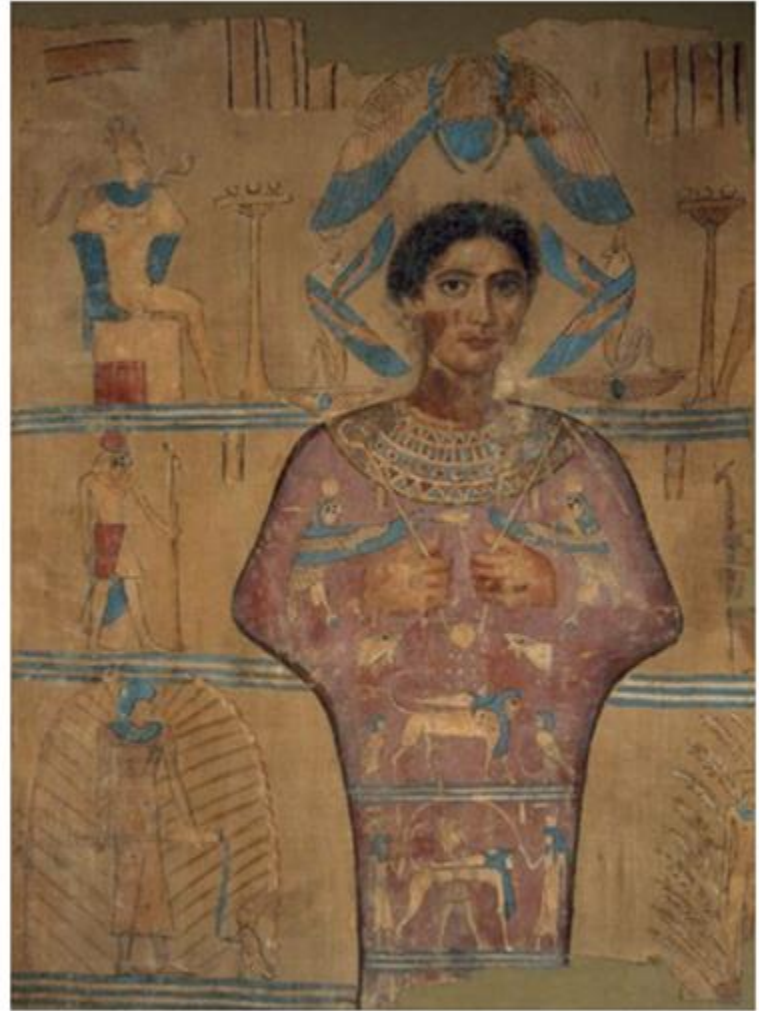
WALTER WANGER - JOSEPH L. MANKIEWICZ - JOSEPH L. MANKIEWICZ - RONALD MACDUGALL - SIDNEY BUCHMAN - ALEX NORTH - DE LUXE

BASATO SULLE STORIE DI PLUTARCO, SVETONIO, APPIANO, ALTRE ANTICHE FONTI E "LA VITA E I TEMPI DI CLEOPATRA", DI C.M. FRANZERO ADATTO IN ITALIA DA UGO MURISIA

© 1963 20th Century-Fox



**MUMMY CASE COPTIC**  
**2<sup>nd</sup> CENTURY AD BRITISH MUSEUM**



**FUNERARY SHROUD ROMAN-EGYPT**

# THE ANCIENT EGYPTIANS

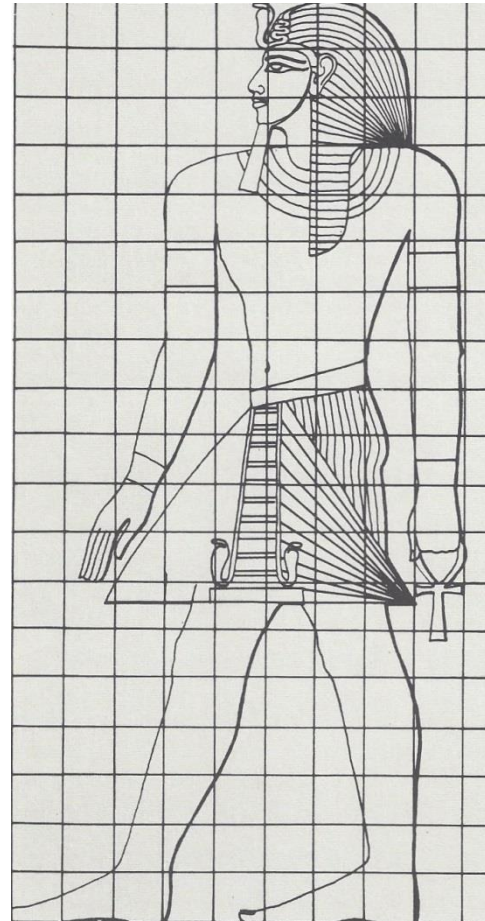
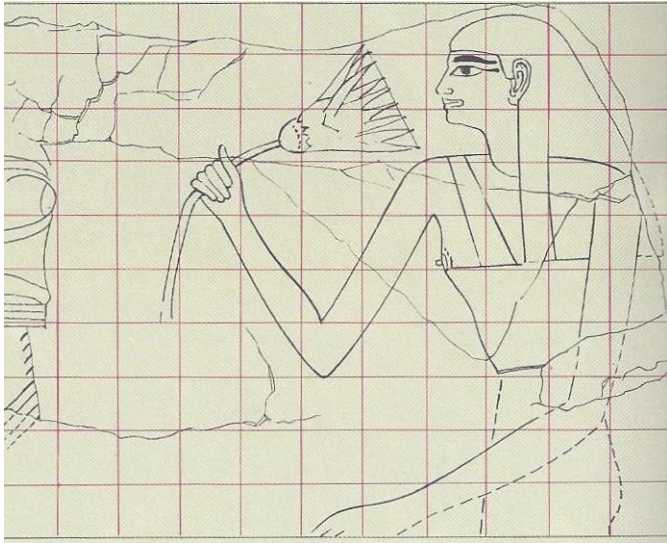
## SOME ASPECTS OF THEIR ART

### PAINTING

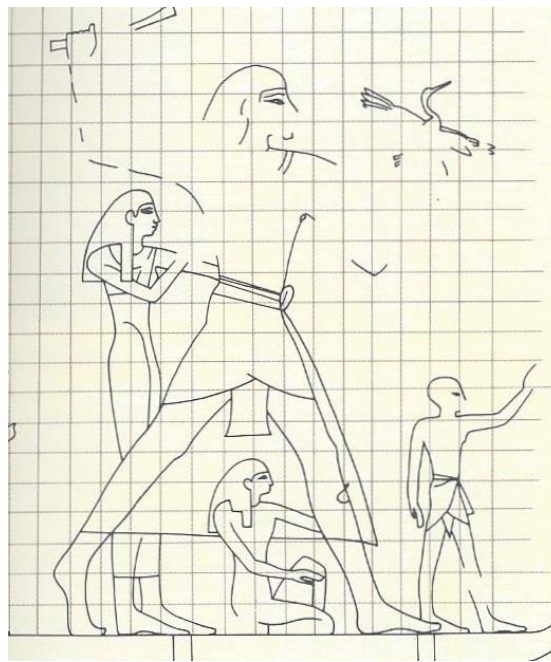
- VIEW, THE 'CANON'
- CONSERVATIVE
- REGISTERS- HIERARCHY OF SCALE
- SYMMETRY
- HIEROGLYPHS
- SOME ART NOT MEANT TO BE SEEN



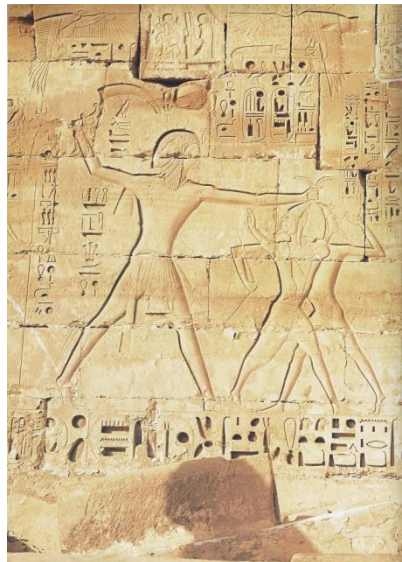




**HUMAN FIGURE- THE EGYPTIAN CANON**



**TOMB OF DEN c.3000B.C.**



**RAMESES III c. 1150 B.C.**



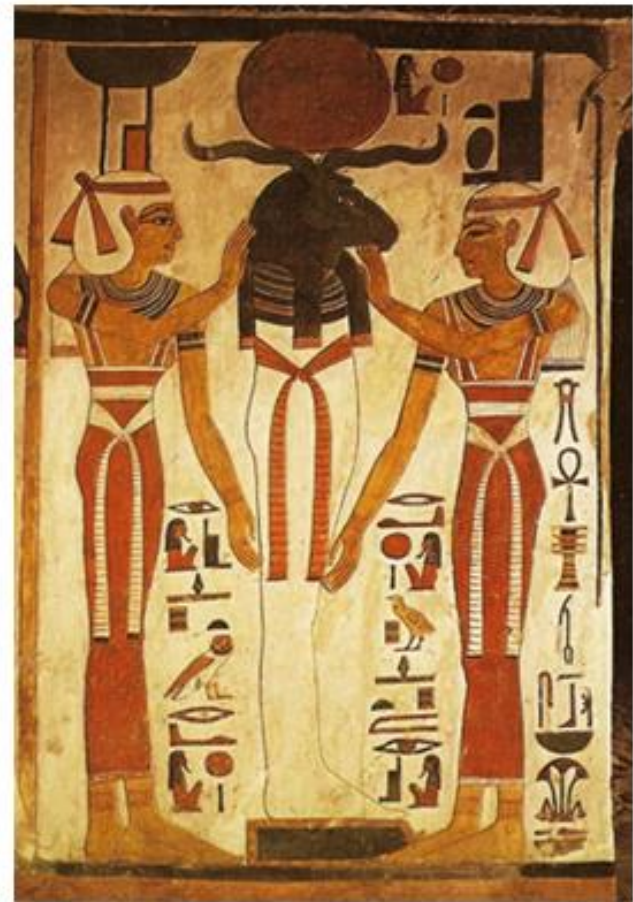
**TEMPLE HORUS- EDFU 230 B.C.**



**AMENEMHAT III DYNASTY 12 1842-1797 BC**

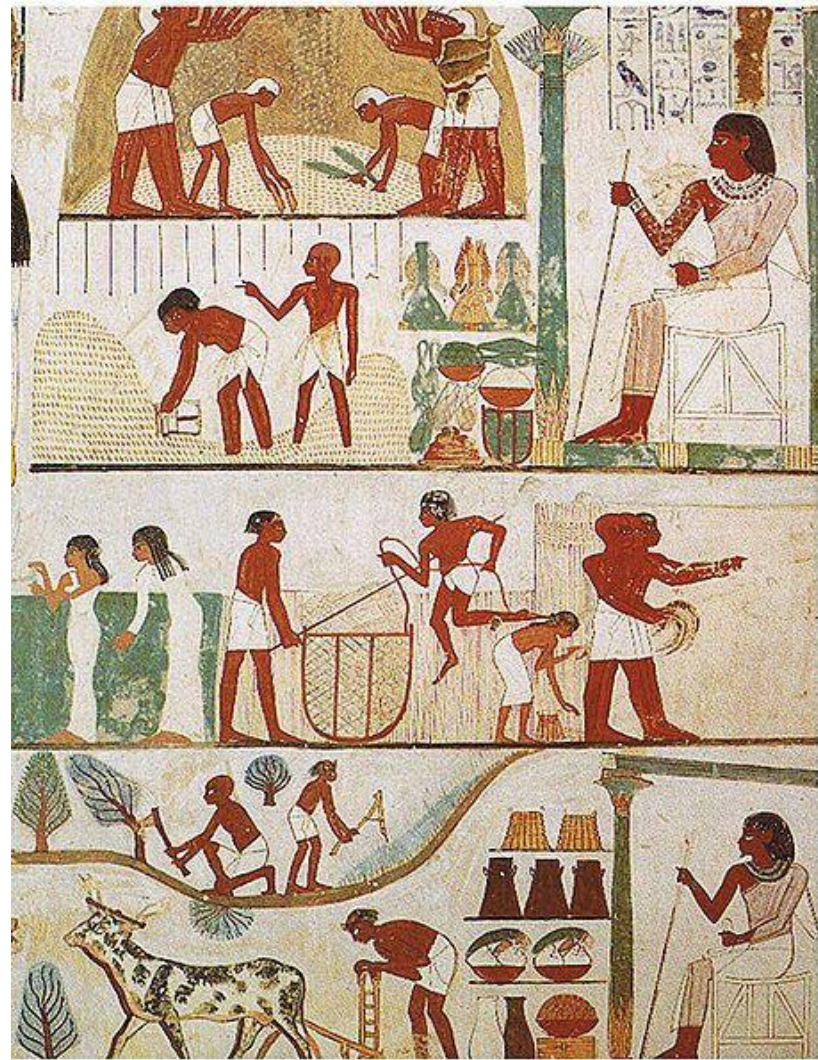


I have been roasting since the beginning of time. I have never seen the likes of this goose



**ISIS, NEPTHYS  
AND GOD KHNUM  
TOMB NOFRETARY  
DYNASTY 19**

**HIEROGLYPHS ARE SOMETIMES ESSENTIAL IN UNDERSTANDING THE ART**



**SCALE OF SIZE, REGISTERS**



**TOMB OF NEBAMUN c. 1350 B.C.**  
**BRITISH MUSEUM**

# **THE RHIND PAPYRUS**

**c.1550 BC BRITISH MUSEUM**

**ACCURATE RECKONING  
FOR INQUIRING INTO THINGS,  
AND THE KNOWLEDGE OF ALL THINGS, MYSTERIES...ALL  
SECRETS**

**THIS BOOK WAS COPIED  
IN REGNAL YEAR 33, MONTH 4 OF AKHET  
UNDER THE MAJESTY OF  
THE KING OF UPPER AND LOWER EGYPT AWSERRE,  
GIVEN LIFE (c. 1555 BC)**

**FROM AN ANCIENT COPY  
MADE IN THE TIME OF  
THE KING OF UPPER AND LOWER EGYPT NIMAATRE (c.  
1830 BC)**

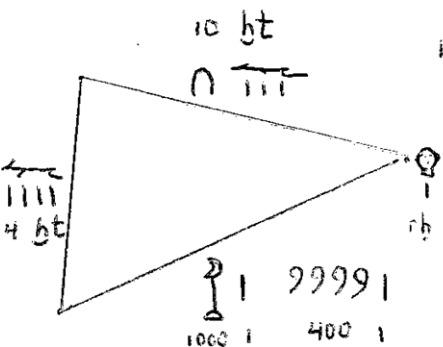
**THE SCRIBE AHMOSE WRITES THIS COPY.**

11 3 1 111 1 = 2 2 2  
 1 2 2 2 2 2 2 2 2  
 1 3 1 9 1 2 4 3 2 2 2  
 2 1 3 2 4 11 1 1 1 1 1



3 2 3 2 3 2 3 2 3 2 3 2  
 1 1 1 1 1 1 1 1 1 1 1 1  
 1 1 1 1 1 1 1 1 1 1 1 1  
 2 2 2 2 2 2 2 2 2 2 2 2

11 1 1 1 1 1 1 1 1 1 1  
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 10 m pt h-w k-rb ri  
 1 1 1 1 1 1 1 1 1 1 1  
 wp s t-h r 2 ps r 2wps th r 2000 2



10 bt  
 1 1 1 1 1 1 1 1 1 1 1 1  
 th r m t-dp str n pt  
 4 bt  
 1 1 1 1 1 1 1 1 1 1 1 1  
 th 10 th t-n t-dps kn dd im  
 1 1 1 1 1 1 1 1 1 1 1 1  
 s r pt m 4 th s t y rm  
 1 1 1 1 1 1 1 1 1 1 1 1  
 rph im tri s th r ytp

#51 MB 10/2/83

AREA OF TRIANGLE; mry.t= height or side? tp-r = lit. 'mouth' = base



# THE CONTENTS OF THE RHIND MATHEMATICAL PAPYRUS

PROBLEMS 1-6. DIVISION OF LOAVES AMONG 10 MEN

PROBLEMS 7-23. MULTIPLICATION AND SUBTRACTION

PROBLEMS 24-38. FIRST DEGREE EQUATIONS

PROBLEMS 39-40. ARITHMETIC PROGRESSIONS

→ PROBLEMS 41-46. VOLUMES OF RECTANGULAR AND CYLINDRICAL GRANARIES

PROBLEM 47. HORUS EYE FRACTIONS

→ PROBLEMS 48-55. AREAS OF TRIANGLES, RECTANGLES, TRAPEZOIDS, CIRCLES  $\pi=3.16$

→ PROBLEMS 56-60. SLOPES, ALTITUDES, BASES OF PYRAMIDS

PROBLEM 61. TABLES FOR FINDING  $2/3$  OF UNIT FRACTIONS

PROBLEMS 62-63. PROPORTIONS

PROBLEM 64. ARITHMETIC PROGRESSION

PROBLEMS 65-78. PRACTICAL PROBLEMS, BEER, GRAIN, CATTLE

PROBLEM 79. GEOMETRIC PROGRESSION

PROBLEMS 80-81. HORUS EYE FRACTIONS

PROBLEMS 82-87. UNCLEAR

Example. Problem 40. Divide 100 loaves among 5 men such that the shares received shall be in arithmetic progression and that  $1/7$  of the sum of the largest three shares shall equal the sum of the smaller two. What is the difference of the shares.

# RECTO OF RHIND PAPYRUS

## TABLE OF UNIT FRACTIONS; DIVISION OF 2 BY ODD NUMBERS 3 TO 101

EXAMPLE;  $\frac{2}{7} = \frac{1}{4} + \frac{1}{28}$

$$\frac{2}{45} = \frac{1}{24} + \frac{1}{360} \quad \text{X}$$

$$\frac{2}{45} = \frac{1}{25} + \frac{1}{225} \quad \text{X}$$

$$\frac{2}{45} = \frac{1}{27} + \frac{1}{135} \quad \text{X}$$

$$\frac{2}{45} = \frac{1}{30} + \frac{1}{90} \quad \text{!}$$

$$\frac{2}{45} = \frac{1}{35} + \frac{1}{63} \quad \text{X}$$

$$\frac{2}{45} = \frac{1}{36} + \frac{1}{60} \quad \text{X}$$

$$\frac{2}{45} = \frac{1}{45} + \frac{1}{45} \quad \text{X}$$

$$\frac{2}{83} = \frac{1}{60} + \frac{1}{332} + \frac{1}{415} + \frac{1}{498}$$

## SACRED GEOMETRY??

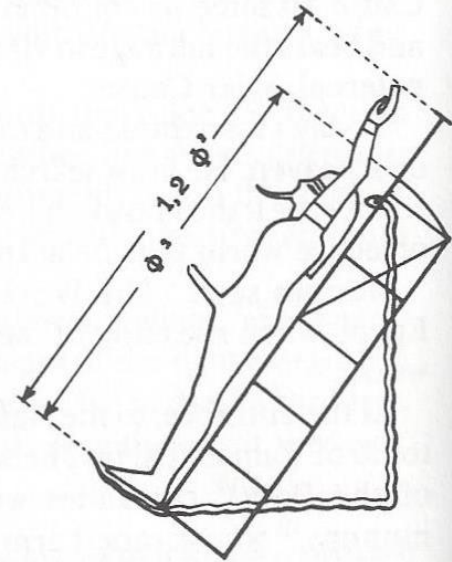
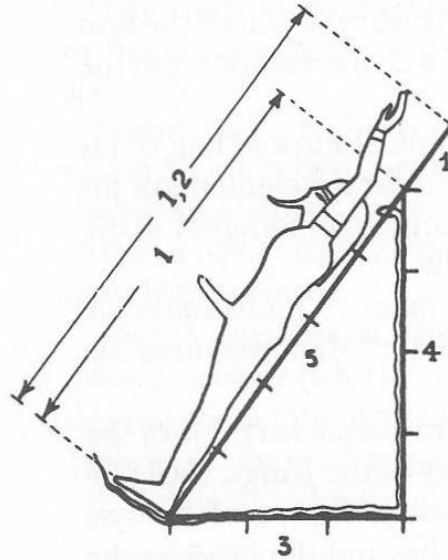


FIGURE 25. On the left, layout of principle: the King as hypotenuse of the sacred triangle. On the right, the King has a value of  $\phi^2$  and  $1.2 \phi^2$ , equaling  $\pi$ . In reality, the height of a man is four cubits. See Appendix.

## TOMB OF RAMESES IX, c. 1100BC 'THE SACRED TRIANGLE', PI AND THE GOLDEN RATIO



**TRIANGLE LEVEL**  
**EGYPTIAN CUBIT; ROYAL CUBIT 20.59 IN.**