Kings of Egypt

The list on these pages contains the names and approximate dates of most of the important kings of Egypt, with the names of queens regnant designated

A king's full titulary consisted of five main elements, of which the first three were given in their order of origin. These are(1) Horus, (2) Two Ladies, (3) Golden Horus, all of which are epithets that seem to refer to aspects of the king's being as a manifestation of a deity. The fourth, the first cartouche name, is prefaced by two words for king, which came to be identified with the two halves of the country, and usually contains a statement about the sun god Re' in relation to the king. The fifth, the second cartouche, is normally the king's own birth name, and is preceded by the designation "Son of Re".

Since the pronunciation of names is often unknown, Greek forms, from the history of Manetho (3rd century BC), are used for many kings. In the list the birth name is normally given first, followed by the first cartouche, which is always in italics. The kings of the 20th Dynasty used Ramesses as a dynastic name in their second cartouches, and Ptolemaic kings were similarly called Ptolemy.

7th/8th Dynasty

Numerous ephemeral kings, including Neferkare

2150-2134

SAMPRED SOME NEW PORTS

Overlapping dates within dynasties indicate coregencies. Where two or more dynasties overlap they were mostly accepted in different parts of the

Dates that are known with precision are marked *. The dates are computed from ancient lists, especially the Turin royal papyrus, and various other sources, including a few pieces of astronomical evidence. The margin of error rises from about a decade in the New Kingdom and 3rd Intermediate Period to as much as 150 years for the beginning of the 1st Dynasty. Most 12th-Dynasty dates are fixed precisely, and 18th- and 19th-Dynasty ones must fit one of three astronomically determined alternatives; here a combination of the middle and lowest ones is used. All dates from 664 BC are precise. All native rulers mentioned in Part Two are included in the list.

Above A typical full titulary.

"Horus: Mighty bull, perfect of glorious appearances; Two Ladies: Enduring of kingship like Atum [the aging sun god]; Golden Horus: Strong of arm, oppressor of the Nine Bows [traditional enemies]; Nisut and bity [terms for king]; Menkheprure' [Re' is enduring of manifestations]; Son of Re': Tuthmosis [IV], greatly appearing one; beloved of Amon-Re', giver of [or:given] life like Re'."

Right Typical hieroglyphic writings of selected kings' names; those in the first line are Horus names. Most of the rest are pairs of throne names, by which the kings' contemporaries knew them, and birth names, by which

1307-1196

19th Dynasty

Zekhen; Na'rmer	
EARLY DYNASTIC	PERIOD 29202575
Ist Dynasty Menes (= 'Aha?); Djer Den; 'Adjib; Semerkhe	2920–2770 ; Wadj ; et ; Qa ʻ a
	2770-2649
3rd Dynasty	2649-2575

Pepy II (Neferkare') 2246-2152

LATE PREDYNASTIC c. 3000

EARLY DYNASTIC	PERIOD 2920-2575	lst INTERMEDIATE PERIOD	2134-2040
lst Dynasty	2920-2770	9th/10th Dynasty	2134-2040
Menes (= 'Aha?); Dje	r; Wadj;	(Herakleopolitan)	
Den; 'Adjib; Semerkh	et; Qa'a	Several kings called Kl	nety;
2nd Dynasty	2770-2649	Merykare , Ity	
Hetepsekhemwy; Re'	neb;	11th Dynasty (Theba	n)
Ninetjer; Peribsen;		4.	2134-2040
Kha'sekhem(wy)		Invotef I (Sehertawy)	2134-2118
3rd Dynasty	2649-2575	Inyotef II (Wah ankh)	2118-2069
Zanakht (= Nebka?)	2649-2630	Inyotef III	2069-2061
Djoser (Netjerykhet)	2630-2611	(Nakhtnebtepnufer)	
Sekhemkhet	2611-2603	Nebhepetre*	2061-2010
Kha'ba	2603-2599	Mentuhotpe	
Huni(?)	2599-2575		
` '	(MIDDLE KINGDOM	2040-1640
OLD KINGDOM 2575	⊢2134	11th Dynasty	2040~1991
4th Dynasty	2575-2465	(all Egypt)	
Snofru	2575-2551	Nebhepetre'	2061-2010
Khufu (Cheops)	2551-2528	Mentuhotpe /	
Ra'djedef	2528-2520	S'ankhkare'	2010-1998
Khephren (Ra'kha'ef)		Mentuhotpe	
Menkaure	2490-2472	Nebtawyre'	1998-1991
Mycerinus)		Mentuhotpe	
Shepseskaf	2472-2467	12th Dynasty	1991-1783
tala Danasana.	2465 2222		1991-1962
5th Dynasty Userkaf	2465-2323 2465-2458	(Sehetepibre')	
Sahure'	2458-2446	Senwosret 1	1971-1926
Neferirkare Kakai	2446-2426	(Kheperkare')	
Shepseskare Ini	2426-2419		1929-1892
Ra neferef	2419-2416	(Nubkaure')	
Neuserre Izi	2416-2392		*1897–1878
Menkauhor	2396-2388	(Kha'kheperre')	
Djedkare' Izezi	2388-2356		878-1841?
Wenis	2356-2323	(Kha'kaure')	
d. n.		Amenemhet III	1844-1797
ith Dynasty		(Nima atre')	1700 15
l'eti	2323-2291	Amenemhet IV	17 99 –1787
Pepy I (Meryre') Merenre' Nemtyemzaf		.(<i>Ma[*]akherure</i> *) Nefrusobk	1707 1707
Merenre Nemtyemzai	2235-2246	(Cabaldana') O	1787-1783

(Sebekkare') O

13th Dynasty 17	83–after 1
About 70 kings. Bet	ter-know
ones are listed; the	numbers a
their positions in th	
list	
Wegaf (Khutawyre')	1 1783-1
Amenemhet V (Sekh	emkare') 4
Amenemhet V (Sekh Harnedjheriotef (He	tepibre 19
Amenygemau 11b	,
Sebekhotpe I	c.1
(Kha'ankhre') 12	
Hor (Awibre) 14: A	menemhet
VII (Sedjejakare) 15	; Sebekho
II (Sekhemre -khutai	vy) 16;
Khendjer (Userkare) 17
Sebekhotpe III	c.1
(Sekhemre -swadjtav	vy) 21
Neferhotep I	c.1741-1
(Kha' sekhemre') 22	
Sebekhotpe IV	c.1730-1
(Kha'neferre') 24 Sebekhotpe V	
Sebekhotpe V	c.1720-1
(Kha'hotepre') 25	
Aya	c.1704-1
(Merneferre') 27	
Mentuemzaf (Djed' a	nkhre") 32
Dedumose II (Djedne Neferhotep III (Sekh	ferre`) 37 ;
Neterhotep III (Sekh	emre`-
s'ankhtaury) 41a	
14th Dynasty	
A group of minor kin	
probably all contemp	orary wit
the 13th or 15th Dyr	asty
o- d records after a	TT.
2nd INTERMEDIA PERIOD	
FERIOD	1640-1
15th Dynasty (Hyk	sos)
Salitis; Sheshi;	,
Khian (Swoserenre')	
· · · · · · · · · · · · · · · · · · ·	

Apophis c.1 ('Awoserre' and others)

Minor Hyksos rulers, contemp

orary with the 15th Dynasty

Khamudi

c.1585--15

c.1542-15

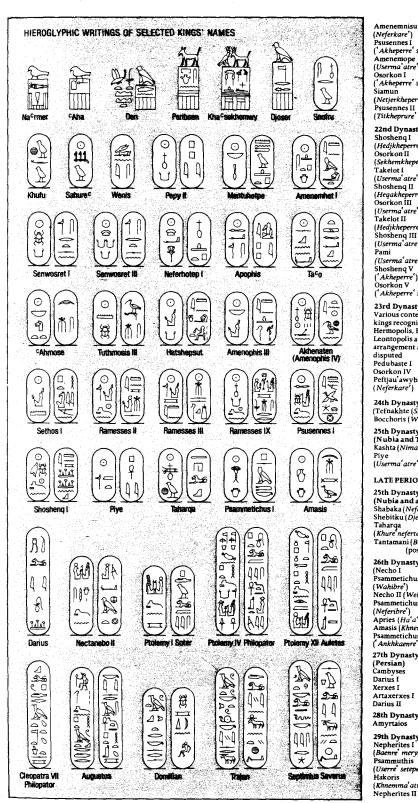
	complete list					
	Invotef V	c.1640-1635				
779	(Nubkheperre') 1					
	Sebekemzaf I (Sekh	emre*-				
	undikha'u) 3: Nebi	reversu				
	wadjkha'u) 3; Nebi (Swadjenre') 6; Seb (Sekhemre'-shedtau	ekamaaf II				
750	(Sahhamra' shadtan	m) 10. To to to				
, ,,	Djehuti'o) I (Senakh	/y) 10, 1a 0 (01				
	Ta'o (or Djehuti'o)	tt (Comme) 13;				
	14 O (or D)enuti o).	II (Seqenenre)				
pe -	Kamose	. 1556 1550				
		c.1555–1550				
45	_(Wadjkheperre') 15					
4.5						
)e	NEW KINGDOM	1550-1070				
~	18th Dynasty	1550-1307				
,,,,	Ahmose (Nebpehti	re') 1550-1525				
720	Amenophis I	1525-1504				
15	(Djeserkare')	1343-1304				
(1)	Tuthmosis I	1504-1492				
	('Akheperkare')	1301-1132				
90	Tuthmosis II	1492-1479				
	('Akheperenre')	X432 1473				
;	Tuthmosis III	14791425				
	(Menkheperre')	14/5-1425				
	Hatshepsut	1473-1458				
	(Ma'atkare')Q	14/5-1450				
	Amenophis II	1427-1401				
re	('Akheprure')	142/1401				
ı	Tuthmosis IV	1401-1391				
	(Menkheprure')	1401-1391				
	Amenophis III	1391-1353				
	(Nebma atre')	13911333				
32	Amenophis IV/Akh	ensten				
	(Neferkheprure' wa'					
	(rejerkneprure wa					
	Smenkhkare'	13531335 13351333				
	('Ankhkheprure') (=	Nofertiti (12)				
42	Tut'ankhamun	1333–1323				
	(Nebkheprure')	1333-1323				
32		1222 1210				
	Aya	1323-1319				
	(Kheperkheprure') Haremhab	1210 1207				
-		131 9 –1307				
	(Djeserkheprure')					

17th Dynasty 16 Numerous Theban kings;

numbers give positions in the

1640-1550

19th Dynasty	130/-1196
Ramesses I	1307-1306
(Menpehtire')	
Sethos I	1306-1290
(Menma'atre')	
Ramesses II	1290-1224
(Userma'atre' setepent	
Merneptah	1224-1214
(Baenre' hotephirma'	
Sethos II	1214-1204
(Userkheprure' seteper	
Amenmesse (Menmire	
usurper during reign	
Siptah	12041198
(Akhenre' setepenre')	
Twosre	1198-1196
(Sitre' meritamun) Q	
(Silve meman) Q	
20th Dynasty	1196-1070
Sethnakhte	1196-1194
(Userkha'ure' meryam	1190-1194
Ramesses III	1194-1163
(Userma`atre` meryam	
Ramesses IV	1163-1156
(Heqama atre setepen	
Ramesses V	1156-1151
	1156-1151
Ramesses V	1156-1151
Ramesses V (Userma' atre' sekhepe Ramesses VI	1156–1151 renre') 1151–1143
Ramesses V (Userma'atre' sekhepe Ramesses VI (Nebma'atre' meryam	1156–1151 renre') 1151–1143 un)
Ramesses V (Userma'atre' sekhepe Ramesses VI (Nebma'atre' meryam Ramesses VII	1156-1151 renre') 1151-1143 un) 1143-1136
Ramesses V (Userma' atre' sekhepe Ramesses VI (Nebma' atre' meryam Ramesses VII (Userma' atre' setepen	1156-1151 renre') 1151-1143 un) 1143-1136
Ramesses V (Userma'atre' sekhepe Ramesses VI (Nebma'atre' meryam Ramesses VII (Userma'atre' setepent meryamun)	1156-1151 renre') 1151-1143 un) 1143-1136 e'
Ramesses V (Userma' atre' sekhepe Ramesses VI (Nebma' atre' meryam Ramesses VII (Userma' atre' setepenr meryamun) Ramesses VIII	1156–1151 renre') 1151–1143 un) 1143–1136 e'
Ramesses V (Userma' atre' sekhepe Ramesses VI (Nebma' atre' meryam Ramesses VII (Userma' atre' setepenr meryamun) Ramesses VIII (Userma' atre' akhenar	1156–1151 renre') 1151–1143 un) 1143–1136 e' 1136–1131 nun)
Ramesses V (Userma' atre' sekhepe Ramesses VI (Nebma' atre' meryam Ramesses VII (Userma' atre' setepenr meryamun) Ramesses VIII (Userma' atre' akhenar Ramesses IX	1156–1151 renre') 1151–1143 un) 1143–1136 e' 1136–1131 nun) 1131–1112
Ramesses V (Userma' atre' sekhepe Ramesses VI (Nebma' atre' meryam Ramesses VII (Userma' atre' setepenr meryamun) Ramesses VII (Userma' atre' akhenar Ramesses IX (Neferkare' setepenre')	1156-1151 renre') 1151-1143 un) 1143-1136 e' 1136-1131 nun) 1131-1112
Ramesses V (Userma' atre' sekhepe Ramesses VI (Nebma' atre' meryam Ramesses VII (Userma' atre' setepen meryamu) Ramesses VIII (Userma' atre' akhenar Ramesses IX (Neferkare' setepene')	1156-1151 renre') 1151-1143 un) 1143-1136 e' 1136-1131 nun) 1131-1112
Ramesses V (Userma' atre' sekhepe Ramesses VI (Nebma' atre' meryam Ramesses VII (Userma' atre' setepenr meryamun) (Userma' atre' akhenar Ramesses IX (Neferkare' setepenre') Ramesses X (Kheperma' atre' setepe	1156-1151 renre') 1151-1143 un) 1143-1136 e' 1136-1131 nun) 1131-1112 1112-1100 nre')
Ramesses V (Userma' atre' sekhepe Ramesses VI (Nebma' atre' meryam Ramesses VII (Userma' atre' setepenr meryamun) Ramesses VIII (Userma' atre' akhenar Ramesses IX (Neferkare' setepenre') Ramesses X (Kheperma' atre' setepe Ramesses XI	1156-1151 renre') 1151-1143 un) 1143-1136 e' 1136-1131 nun) 1131-1112 1112-1100 nre') 1100-1070
Ramesses V (Userma' atre' sekhepe Ramesses VI (Nebma' atre' meryam Ramesses VII (Userma' atre' setepenr meryamun) (Userma' atre' akhenar Ramesses IX (Neferkare' setepenre') Ramesses X (Kheperma' atre' setepe	1156-1151 renre') 1151-1143 un) 1143-1136 e' 1136-1131 nun) 1131-1112 1112-1100 nre') 1100-1070
Ramesses V (Userma' atre' sekhepe Ramesses VI (Nebma' atre' meryam Ramesses VII (Userma' atre' setepenr meryamun') (Userma' atre' akhenar Ramesses VII (Neferkare' setepenre') Ramesses X (Kheperma' atre' setepe Ramesses XI (Menma' atre' setepenp	1156-1151 renre') 1151-1143 un) 1143-1136 e' 1136-1131 nun) 1131-1112 1112-1100 nre') 1100-1070 eah)
Ramesses V (Userma' atre' sekhepe Ramesses VI (Nebma' atre' meryam Ramesses VII (Userma' atre' setepen meryamun) Ramesses VIII (Userma' atre' akhenan Ramesses IX (Neferkare' setepenre') Ramesses X (Kheperma' atre' setepen Ramesses XI (Menma' atre' setepenp	1156-1151 reare() 1151-1143 un) 1143-1136 e' 1136-1131 nun) 1131-1112 1112-1100 nre') 1100-1070 tah)
Ramesses V (Userma' atre' sekhepe Ramesses VI (Nebma' atre' meryam Ramesses VII (Userma' atre' setepenr meryamun') (Userma' atre' akhenar Ramesses VII (Neferkare' setepenre') Ramesses X (Kheperma' atre' setepe Ramesses XI (Menma' atre' setepenp	1156-1151 renre') 1151-1143 un) 1143-1136 e' 1136-1131 nun) 1131-1112 1112-1100 nre') 1100-1070 eah)
Ramesses V (Nebra' atre' sekhepe Ramesses VI (Nebra' atre' meryam Ramesses VII (Userma' atre' setepen meryamun) Ramesses VIII (Userma' atre' akhenar Ramesses IX (Neferkare' setepenre') Ramesses X (Kheperma' atre' setepen Ramesses X (Mema' atre' setepenp 3rd INTERMEDIATE PERIOD	1156-1151 reare() 1151-1143 un) 1143-1136 e' 1136-1131 nun) 1131-1112 1112-1100 nre') 1100-1070 tah)
Ramesses V (Userma'atre' sekhepe Ramesses VI (Nebma'atre' meryam Ramesses VII (Userma'atre' setepenr meryamun) (Userma'atre' setepenr Ramesses VII (Neferkare' setepenre') Ramesses X (Kheperma'atre' setepe Ramesses XI (Menma'atre' setepenp 3rd INTERMEDIATE PERIOD 21si Dynasty	1156-1151 renre') 1151-1143 un) 1143-1136 e' 1136-1131 nun) 1131-1112 1112-1100 nre') 1100-1070 tah)
Ramesses V (Nebra' atre' sekhepe Ramesses VI (Nebra' atre' meryam Ramesses VII (Userma' atre' setepen meryamun) Ramesses VIII (Userma' atre' akhenar Ramesses IX (Neferkare' setepenre') Ramesses X (Kheperma' atre' setepen Ramesses X (Mema' atre' setepenp 3rd INTERMEDIATE PERIOD	1156-1151 renne') 1151-1143 un) 1143-1136 e' 1136-1131 nun) 1131-1112 1112-1100 nne') 1100-1070 tah)



(Neferkare')	1040 000	Nectanebo I
Psusennes I ('Akheperre' setepenamu	1040-992	(Kheperkare')
Amenemope	993-984	Teos (Irma`atenre') Nectanebo II
(Userma'aîre' setepenam		(Senedjemibre' setepenant
Osorkon I	984–978	
(`Akheperre` setepenre') Siamun	978-959	2nd Persian Period Artaxerxes III Ochus
(Netjerkheperre' setepen		Arses
Psusennes II	959-945	Darius III Codoman
(Titkheprure' setepenre')		Period interrupted by a
22nd Dynasty	945-712	ruler Khababash (Senente
Shosheng I	945-924	setepenptah)
(Hedjkheperre' setepenre	2)	GRECO-ROMAN PERIO
Osorkon II (Sekhemkheperre' setepe	924–909	*332 в
Takelot I	909-	Macedonian Dynasty
(Userma atre setepenam	un)	Alexander III the Great
Shoshenq II	-883	Philip Arrhidaeus Alexander IV
(Heqakheperre' setepenre Osorkon III	e) 883855	
(Userma' atre' setepenan	un)	Ptolemaic Dynasty Ptolemy I Soter I
(Userma atre setepenan Takelot II	860-835	Ptolemy II
(Hedjkheperre' setepenre	e')	Philadelphus
Shoshenq III (Userma'atre' setepenre	835-783	Ptolemy III Euergetes I
Pami	783–773	Ptolemy IV Philopator Ptolemy V Epiphanes
(Userma'atre' setepenre		Ptolemy VI *180-164,
Shoshenq V	773–735	Philometor
(`Akheperre`)	725 717	Ptolemy VIII *170–163,
Osorkon V ('Akheperre' setepenami	735–712 m)	Euergetes II (Physkon) Ptolemy VII Neos
	•	Philopator
23rd Dynasty Various contemporary l	c.828-712	Cleopatra III Q and
kings recognized in The	bes.	Ptolemy IX Soter II (Lath
Hermopolis, Herakleope	olis,	Cleopatra III Q and
Leontopolis and Tanis;	precise	Ptolemy X Alexander I Ptolemy IX Soter II
arrangement and order	are still	Cleopatra Berenice Q
disputed Pedubaste I	828-803	Ptolemy XI Alexander II
Osorkon IV	777-749	Ptolemy XII Neos *80-5
Peftjau awybast		Dionysos (Auletes) Berenice IV Q
(Neferkare')	740–725	Cleopatra VII Q
24th Dynasty (Sais)	724-712	Ptolemy XIII
(Tefnakhte (Shepsesre'?)	724-717)	Ptolemy XIV
Bocchoris (Wahkare')	717-712	Ptolemy XV Caesarion There were further core
25th Dynasty	770-712	with queens called Arsir
(Nubia and Theban ar	ea)	with queens called Arsin Berenice and Cleopatra,
(Nubia and Theban ar Kashta (Nima' atre')	ea) 770-750	with queens called Arsin Berenice and Cleopatra, no independent reigns. I
(Nubia and Theban ar Kashta (Nima' atre') Piye	ea) 770–750 7 5 0–712	with queens called Arsin Berenice and Cleopatra, no independent reigns. I
(Nubia and Theban ar Kashta (Nima' atre')	ea) 770–750 7 5 0–712	with queens called Arsin Berenice and Cleopatra, no independent reigns. I usurpers: Harwennofre (205-199), 'Ankhwennof
(Nubia and Theban ar Kashta (Nima' atre') Piye	ea) 770–750 7 5 0–712	with queens called Arsin Berenice and Cleopatra, no independent reigns. I usurpers: Harwennofre (205–199), 'Ankhwennof (199–186), Harsiese (131)
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty	ea) 770-750 750-712 s)	with queens called Arsin Berenice and Cleopatra, no independent reigns. I usurpers: Harwennofre (205-199), 'Ankhwennof
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt)	ea) 770-750 750-712 s) 712-332 712-657	with queens called Arsin Berenice and Cleopatra, no independent reigns. It usurpers: Harwennofre (205–199), 'Ankhwennof (199–186), Harsiese (131) Roman emperors '30 se (names found in hierogly) and demotic texts, down
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare')	ea) 770-750 750-712 s) 712-332 712-657 712-698	with queens called Arsin Berenice and Cleopatra, no independent reigns. I usurpers: Harwennofre (205–199), 'Ankhwennof (199–186), Harsiese (131) Roman emperors '30 s (names found in hierogly and demotic texts. down tetrarchy)
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure')	770-750 750-712 s) 712-332 712-657 712-698 698-690	with queens called Arsin Berenice and Cleopatra, no independent reigns. I usurpers: Harwennofre (205–199), 'Ankhwennoo (199–186), Harsiese (131) Roman emperors' 30 st (names found in hierogl) and demotic texts. down tetrarchy) Augustus 301
(Nubia and Theban ar Kashta (Nima' atre') Plye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shebaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure' nefertem)	ea) 770-750 750-712 s) 712-332 712-657 712-698	with queens called Arsin Berenice and Cleopatra. no independent reigns. It usurpers: Harwennofre (205–199). Ankhwennoo (199–186). Harsiese (131) Roman emperors *30 st (names found in hierogi) and demotic texts. down tetrarchy) Augustus *30: Tiberius Gaius (Caligula)
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) Tantamani (Bakare')	ea) 770-750 750-712 s) 712-332 712-657 712-698 698-690 690-664 664-657	with queens called Arsin Berenice and Cleopatra, no independent reigns. It usurpers: Harwennofre (205–199), 'Ankhwennoo (199–186), Harsiese (131) Roman emperors' 30 8 (names found in hierogly and demotic texts. down tetrarchy) Augustus *30: Tiberius Gaius (Caligula) Claudius
(Nubia and Theban ar Kashta (Nima' atre') Plye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shebaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure' nefertem)	ea) 770-750 750-712 s) 712-332 712-657 712-698 698-690 690-664 664-657 in Nubla)	with queens called Arsin Berenice and Cleopatra, no independent reigns. It usurpers: Harwennofre (205–199), Ankhwennooi (199–186), Harsiese (131) Roman emperors *30 st (names found in hierogl) and demotic texts. down tetrarchy) Augustus *30: Tiberius Gaius (Caligula) Claudius Nero
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure' nefertem) Tantamani (Bakare') (possibly later 26th Dynasty	ea) 770–750 750–712 s) 712–332 712–657 712–698 698–690 690–664 664–657 in Nubia) *664–525	with queens called Arsin Berenice and Cleopatra, no independent reigns. It usurpers: Harwennofre (205–199), 'Ankhwennoo (199–186), Harsiese (131) Roman emperors' 30 8 (names found in hierogly and demotic texts. down tetrarchy) Augustus *30: Tiberius Gaius (Caligula) Claudius
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I	ea) 770–750 750–712 s) 712–332 712–657 712–698 698–690 690–664 664–657 -in Nubia) *664–525 *672–664)	with queens called Arsin Berenice and Cleopatra, no independent reigns. It usurpers: Harwennofre (205–199), 'Ankhwennoo (199–186), Harsiese (131) Roman emperors' 30 st (names found in hierogl) and demotic texts. down tetrarchy) Augustus '30: Tiberius Gaius (Caligula) Claudius Nero Galba
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I	ea) 770–750 750–712 s) 712–332 712–657 712–698 698–690 690–664 664–657 in Nubia) *664–525	with queens called Arsin Berenice and Cleopatra, no independent reigns. It usurpers: Harwennofre (205–199), 'Ankhwennoon (199–186), Harsiese (131) Roman emperors' 30 st (names found in hierogly and demotic texts. down tetrarchy) Augustus '30: Tiberius Gaius (Caligula) Claudius Nero Galba Otho Vespasian Titus
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I	ea) 770–750 750–712 s) 712–332 712–657 712–698 698–690 690–664 664–657 -in Nubia) *664–525 *672–664)	with queens called Arsin Berenice and Cleopatra. no independent reigns. It usurpers: Harwennofre (205–199), Ankhwennoo (199–186), Harsiese (131) Roman emperors '30 st (names found in hierogy) and demotic texts. down tetrarchy) Augustus '30: Tiberius Gaius (Caligula) Claudius Nero Galba Otho Vespasian Titus Domitian
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure' nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II	ea) 770–750 770–750 750–712 s) 712–332 712–657 712–698 698–690 690–664 664–657 in Nubia) *664–657 *672–664) *664–610	with queens called Arsin Berenice and Cloopatra, no independent reigns. It usurpers: Harwennofre (205–199), 'Ankhwennoon (199–186), Harsiese (131) Roman emperors' 30 st (names found in hierogl) and demotic texts, down tetrarchy) Augustus '30 i Tiberius Gaius (Caligula) Claudius Nero Galba Otho Vespassian Titus Domitian Nerva
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure' nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II	ea) 770-750 770-750 770-750 7750-712 s) 712-332 712-657 712-698 698-690 690-664 664-657 in Nubla) *664-525 *672-664) *664-610 *610-595 *595-589	with queens called Arsin Berenice and Cleopatra. no independent reigns. It usurpers: Harwennofre (205–199), Ankhwennoo (199–186), Harsiese (131) Roman emperors '30 st (names found in hierogy) and demotic texts. down tetrarchy) Augustus '30: Tiberius Gaius (Caligula) Claudius Nero Galba Otho Vespasian Titus Domitian
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Neferibre') Apries (Ha'a' ibre')	ea) 770-750 770-750 770-712 s) 712-332 712-657 712-698 698-690 664-657 in Nubia) *664-525 *672-664 *664-610 *610-595 *595-589	with queens called Arsin Berenice and Cleopatra, no independent reigns. It usurpers: Harwennofre (205–199), 'Ankhwennoon (199–186), Harsiese (131) Roman emperors' 30 8 (names found in hierogly and demotic texts. down tetrarchy) Augustus '30: Tiberius Gaius (Caligula) Claudius Nero Gaiba Otho Vespasian Titus Domitian Nerva Trajan
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure' nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Neferibre') Apries (Ha'a'ibre') Amasis (Khnemibre')	ea) 770-750 770-750 750-712 s) 712-332 712-657 712-698 698-690 660-664 664-657 672-664) 664-525 672-664) 664-610 610-595 67595-599	with queens called Arsin Berenice and Cleopatra. no independent reigns. It usurpers: Harwennofre (205–199), 'Ankhwennoo' (199–186), Harsiese (131) Roman emperors '30 st (names found in hierogi) and demotic texts. down tetrarchy) Augustus '30: Therius Gaius (Caligula) Claudius Nero Galba Otho Vespasian Titus Domitian Nerva Trajan Hadrian Antoninus Pius Marcus Aurelius
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Neferibre') Apries (Ha'a' ibre')	ea) 770-750 770-750 770-712 s) 712-332 712-657 712-698 698-690 664-657 in Nubia) *664-525 *672-664 *664-610 *610-595 *595-589	with queens called Arsin Berenice and Cloopatra, no independent reigns. It usurpers: Harwennofre (205–199), 'Ankhwennoon (199–186), Harsiese (131) Roman emperors' 30 st (names found in hierogl) and demotic texts, down tetrarchy) Augustus '30 iTiberius Gaius (Caligula) Claudius Nero Galius (Caligula) Claudius Domitian Nerva Trajan Hadrian Antoninus Pius Marcus Aurelius Lucius Verus
(Nubia and Theban ar Kashta (Nima' atre') Piye [Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Neferibre' Amasis (Khemibre') Psammetichus III (Ankhkaenre') (Ankhkaenre')	ea) 770-750 770-750 750-712 s) 712-332 712-657 712-698 698-690 660-664 664-657 672-664) 664-525 672-664) 664-610 610-595 67595-599	with queens called Arsin Berenice and Cleopatra. no independent reigns. It usurpers: Harwennofre (205–199), 'Ankhwennoo' (199–186), Harsiese (131) Roman emperors '30 st (names found in hierogi) and demotic texts. down tetrarchy) Augustus '30: Therius Gaius (Caligula) Claudius Nero Galba Otho Vespasian Titus Domitian Nerva Trajan Hadrian Antoninus Pius Marcus Aurelius
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure' nefertem) (Gossibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehibre') Psammetichus II (Weferibre') Apries (Ha'a'ibre') Amasis (Khuemibre') Psammetichus III (Ankhkaenre') 27th Dynasty (Persian)	ea) 770-750 770-750 770-7712 s) 712-332 712-657 712-698 698-690 664-657 in Nubia) *664-525 *672-664) *664-610 *610-595 *595-589 *589-570 *570-526 *525-404	with queens called Arsin Berenice and Cloopatra, no independent reigns. It usurpers: Harwennofre (205–199), 'Ankhwennoon (199–186), Harsiese (131) Roman emperors' 30 st (names found in hierogl) and demotic texts. down tetrarchy) Augustus '30: Tiberius Gaius (Caligula). Claudius Nero Galius (Caligula) Chaudius Neros Aurelius Lucius Verus Commodus Septimius Severus Commodus Septimius Severus Caracalla
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Neferibre') Apries (Ha'a' ibre') Amasis (Khnemibre') Psammetichus III (Ankhkænre') 27th Dynasty (Persian) Cambyses	ea) 770-750 770-750 770-712 s) 712-332 712-657 712-698 698-690 690-664 657 in Nubia) *664-525 *672-664] *676-664] *595-589 *589-570 *570-526 *526-525 **525-404	with queens called Arsin Berenice and Cleopatra. no independent reigns. It usurpers: Harwennofre (205-199), Ankhwennoo (199-186), Harsiese (131) Roman emperors *30 st (names found in hierogi) and demotic texts. down tetrarchy) Augustus *30: Tiberius Gaius (Caligula) Claudius Nero Galba Otho Vespasian Titus Domitian Nerva Trajan Hadrian Antoninus Pius Marcus Aurelius Lucius Verus Commodus Septimius Severus Caracalla Geta
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure' nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Meferibre') Apries (Ha'a'ibre') Amasis (Khnemibre') Psammetichus III (Ankhkaenre') 27th Dynasty (Persian) Cambyses Darius I I	ea) 770-750 770-750 770-750 770-750 770-750 770-712 8) 712-332 712-657 712-698 698-690 664 664-657 in Nubia) *664-525 *672-664) *664-610 *510-595 *595-589 *589-570 *570-526-525 **525-404 **525-4521-486	with queens called Arsin Berenice and Cloopatra, no independent reigns. It usurpers: Harwennofre (205–199), 'Ankhwennoon (199–186), Harsiese (131) Roman emperors' 30 st (names found in hierogl) and demotic texts, down tetrarchy) Augustus '30: Tiberius Gaius (Caligula) Claudius Nero Galius (Caligula) Claudius Neros Arsin Meros Augustus Neros Casaius (Caligula) Claudius Cuttus Commodus Pius Marcus Aurelius Lucius Verus Commodus Septimius Severus Caracalla Geta Macrinus
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus II (Wahibre') Necho II (Wehemibre') Psammetichus III (Neferibre') Apries (Ha'a'ibre') Amasis (Khemibre') Psammetichus III (Ankhkaenre') 27th Dynasty (Persian) Cambyses Darius I Kerxes I Artaxerxes I	ea) 770-750 770-750 770-750 770-750 770-750 770-712 s) 712-332 712-657 712-698 698-690 690-664 664-657 in Nubia) *664-525 *672-664) *664-610 *610-595 *595-589 *526-525 *525-404 *525-522 *521-486 *486-4466 *486-466 *486-466	with queens called Arsin Berenice and Cleopatra, no independent reigns. It usurpers: Harwennofre (205-199), Ankhwennoo (199-186), Harsiese (131) Roman emperors '30 st (names found in hierogi) and demotic texts, down tetrarchy) Augustus '30: Tiberius Gaius (Caligula) Claudius Nero Galius (Caligula) Claudius Nero Galiba Otho Vespassian Titus Domitian Nerva Trajan Hadrian Antoninus Pius Marcus Aurelius Lucius Verus Commodus Septimius Severus Caracalla Geta Macrinus Diadumenianus Severus Alexander
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Neferibre') Apries (Ha'a'ibre') Apries (Ha'a'ibre') Amasis (Khnemibre') Psammetichus III (Ankhkaenre') 27th Dynasty (Persian) Cambyses Darius I Kerxes I Artaxerxes I Darius II	ea) 770-750 770-750 770-7712 s) 712-332 712-657 712-698 698-690 664-657 in Nubia) *664-525 *672-664] *664-610 *610-595 *595-589 *589-570 *570-526 *525-525 *525-404 *525-525 *521-466	with queens called Arsii Berenice and Cleopatra, no independent reigns. It usurpers: Harwennofre (205–199), Ankhwennooi (199–186), Harsiese (131) Roman emperors *30 se (names found in hierogl) and demotic texts. down tetrarchy) Augustus *30: Tiberius Gaius (Caligula) Claudius Nero Galba Otho Vespasian Titus Domitian Nerva Trajan Hadrian Antoninus Pius Marcus Aurelius Lucius Verus Commodus Septimius Severus Caracalla Geta Macrinus Diadumenianus Severus Alexander Gordian III
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I (Wehemibre') Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus III (Neferibre') Amasis (Khnemibre') Psammetichus III ('Ankhkaenre') 27th Dynasty (Persian) Cambyses Darius I Xerxes I Darius II Zeth Dynasty	ea) 770-750 770-750 770-7712 s) 712-332 712-657 712-698 698-690 664-657 in Nubia) *664-253 *672-664) *664-610 *610-595 *595-589 *589-570 *570-526 *525-525 *525-404 *525-525 *525-404 *404-399	with queens called Arsin Berenice and Cleopatra. no independent reigns. It usurpers: Harwennofre (205-199), Ankhwennooi (199-186), Harsiese (131) Roman emperors '30 se (names found in hierogi) and demotic texts. down tetrarchy) Augustus '30: Tiberius '30: Tiberius Galius (Caligula) Claudius Nero Galba Otho Vespasian Titus Domitian Nerva Trajan Hadrian Antoninus Pius Marcus Aurelius Lucius Verus Commodius Septimius Severus Caracalla Geta Macrinus Diadumenianus Severus Alexander Gordian III Philip
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Neferibre') Apries (Ha'a'ibre') Apries (Ha'a'ibre') Amasis (Khnemibre') Psammetichus III (Ankhkaenre') 27th Dynasty (Persian) Cambyses Darius I Kerxes I Artaxerxes I Darius II	ea) 770-750 770-750 770-750 770-750 770-750 770-712 8) 712-332 712-657 712-698 698-690 664 664-657 in Nubia) *664-525 *672-664) *664-610 *510-595 *599-589 *589-570 *570-526-325 **525-404 **24-404 *486-424 *424-404	with queens called Arsin Berenice and Cloopatra, no independent reigns. It usurpers: Harwennofre (205-199), 'Ankhwennoo' (199-186), Harsiese (131) Roman emperors' 30 st (names found in hierogl) and demotic texts, down tetrarchy) Augustus '301 Tiberius Gaius (Caligula) Claudius (Caligul
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Ankhaenre') 27th Dynasty (Persian) Cambyses Darius I Kerxes I Artaxerxes I Darius II 28th Dynasty Amyrtaios 29th Dynasty Amyrtaios	ea) 770-750 770-750 770-750 770-750 770-750 770-712 8) 712-332 712-657 712-698 698-690 690-664 664-657 in Nubia) *664-525 *672-664) *664-610 *510-595 *599-589 *589-570 *570-526 *526-525 *521-486 *486-466 *486-466 *486-469 *4804-399 *404-399 *399-380 *589-570 *599-589 *570-526 *526-525 *521-486 *486-424 *404 *404-399 *404-399 *399-380 *589-570 *589-570 *570-526 *526-525 *521-486 *486-466 *4864-404 *404-399 *439-399 *399-380 *589-380 *589-570 *570-526 *526-525 *521-486 *486-424 *404 *404-399 *439-380 *58	with queens called Arsin Berenice and Cleopatra. no independent reigns. It usurpers: Harwennofre (205-199), Ankhwennooi (199-186), Harsiese (131) Roman emperors '30 se (names found in hierogi) and demotic texts. down tetrarchy) Augustus '30: Tiberius '30: Tiberius Galius (Caligula) Claudius Nero Galba Otho Vespasian Titus Domitian Nerva Trajan Hadrian Antoninus Pius Marcus Aurelius Lucius Verus Commodius Septimius Severus Caracalla Geta Macrinus Diadumenianus Severus Alexander Gordian III Philip
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I (Wehemibre') Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus III (Meferibre') Amasis (Khnemibre') Psammetichus III (Ankhkaenre') 27th Dynasty (Persian) Cambyses Darius I I Xerxes I Artaxerxes I Darius II 28th Dynasty Amyrtaios 29th Dynasty Nepherites I I Sephonasty Nepherites I I Sephonasty Nepherites I Sephonasty Nepherites I	ea) 770-750 770-750 770-7712 s) 712-332 712-657 712-698 698-690 664-657 in Nubia) *664-253 *664-610 *610-595 *595-589 *589-570 *570-526 *525-404 *525-522 *521-486 *465-424 *444-499 *404-399	with queens called Arsir Berenice and Cleopatra, no independent reigns. It usurpers: Harwennofre (205–199), Ankhwennooi (199–186), Harsiese (131) Roman emperors "30 se (names found in hierogl) and demotic texts. down tetrarchy) Augustus "30: Tiberius Gaius (Caligula) Claudius Nero Galba Otho Vespasian Titus Domitian Nerva Trajan Hadrian Antoninus Pius Marcus Aurelius Lucius Verus Commodus Septimius Severus Caracalla Geta Macrinus Diadumenianus Severus Alexander Gordian III Philip Deccius Gallus and Volusianus Valerian Gallienus
(Nubia and Theban ar Kashta (Nima' atre') Piye [Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure' nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Neferibre') Apries (Ha'a'ibre') Amasis (Khemibre') Psammetichus III (Neferibre') Agries (Ha'a'ibre') Amasis (Khemibre') Psammetichus III (Ankhkaenre') 27th Dynasty (Persian) Cambyses Darius I Zerxes I Artaxerxes I Darius II 28th Dynasty Amyrtaios 29th Dynasty Nepherites I [Baenre' merynetjeru)	ea) 770-750 770-750 770-7712 s) 712-332 712-657 712-698 698-690 664-657 in Nubia) *664-525 *672-664] *664-610 *510-595 *595-589 *589-570 *570-526 *526-525 *525-404 *525-525 *521-486 *486-466 *465-424 *424-404 *404-399 *399-380 *399-393	with queens called Arsin Berenice and Cleopatra. no independent reigns. It usurpers: Harwennofre (205-199), Ankhwennooi (199-186), Harsiese (131) Roman emperors '30 se (names found in hierogi) and demotic texts. down tetrarchy) Augustus '30: Tiberius Gaius (Caligula) Claudius Nero Galba Otho Vespasian Titus Domitian Nerva Trajan Hadrian Antoninus Pius Marcus Aurelius Lucius Verus Commodus Septimius Severus Caracalla Geta Macrinus Diadumenianus Severus Alexander Gordian III Philip Decius Gallus and Volusianus Valerian Gallienus Macrianus and Quietus
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shebiaku (Diedkaure') Taharqa (Khure nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Weferibre') Apries (Ha'a'ibre') Amasis (Khuemibre') Psammetichus III (Ankhkaenre') 27th Dynasty (Persian) Cambyses Darius I Kerxes I Artaxerxes I Darius II 28th Dynasty Amyrtaios 29th Dynasty Nepherites I (Baenre' merynetjeru) Psammy Synasty Nepherites I (Baenre' merynetjeru) Psammuthis	ea) 770-750 770-750 770-750 770-750 770-750 770-712 8) 712-332 712-657 712-698 698-690 690-664 664-657 in Nubia) *664-525 *672-664) *664-610 *510-595 *599-589 *589-570 *570-526 *526-525 *521-486 *486-466 *486-466 *486-469 *4804-399 *404-399 *399-380 *589-570 *599-589 *570-526 *526-525 *521-486 *486-424 *404 *404-399 *404-399 *399-380 *589-570 *589-570 *570-526 *526-525 *521-486 *486-466 *4864-404 *404-399 *439-399 *399-380 *589-380 *589-570 *570-526 *526-525 *521-486 *486-424 *404 *404-399 *439-380 *58	with queens called Arsin Berenice and Cloopatra, no independent reigns. It usurpers: Harwennofre (205-199), 'Ankhwennoo' (199-186), Harsiese (131) Roman emperors' 30 st (199-186), Harsiese (131) Roman emperors' 30 st (199-186), Harsiese (131) and demotic texts, down tetrarchy) Augustus '301 Tiberius Gaius (Caligula) Claudius (199-186), Caligula) Claudius Severus Alexander Gordian III Philip Decius Gallienus Macrianus and Quietus Aurelian
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure' nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Ankhkaenre') 27th Dynasty (Persian) Cambyses Darius I Xerxes I Artaxerxes I Darius I Zath Dynasty (Persian) Cambyses Darius I Zeth Dynasty (Persian) Cambyses Darius I Psammetichus III (Ankhkeenre') Psammetichus III Artaxerxes I Darius I	ea) 770-750 770-750 770-7712 s) 712-332 712-657 712-698 698-690 664-657 in Nubia) *664-525 *672-664] *664-610 *510-595 *595-589 *589-570 *570-526 *526-525 *525-404 *525-525 *521-486 *486-466 *465-424 *424-404 *404-399 *399-380 *399-393	with queens called Arsin Berenice and Cleopatra. no independent reigns. It usurpers: Harwennofre (205-199), Ankhwennooi (199-186), Harsiese (131) Roman emperors '30 se (names found in hierogi) and demotic texts. down tetrarchy) Augustus '30: Tiberius Gaius (Caligula) Claudius Nero Galba Otho Vespasian Titus Domitian Nerva Trajan Hadrian Antoninus Pius Marcus Aurelius Lucius Verus Commodus Septimius Severus Caracalla Geta Macrinus Diadumenianus Severus Alexander Gordian III Philip Decius Gallus and Volusianus Valerian Gallienus Macrianus and Quietus
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkare') Taharqa (Khure nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Wahibre') Apries (Ha'a'ibre') Apries (Ha'a'ibre') Amasis (Khnemibre') Psammetichus III (Ankhkaenre') 27th Dynasty (Persian) Cambyses Darius I Xerxes I Artaxerxes I Darius II Seth Dynasty (Persian) 29th Dynasty Amyrtaios 29th Dynasty Nepherites I (Baenre merynetjeru) Psammutich (Userre' setepenptah) Hakoris (Khnemma' atre')	ea) 770-750 770-750 770-750 7712-832 712-637 712-698 698-690 664-657 in Nubia) *664-525 *672-664 610 *610-595 *595-589 *589-570 *570-526 *525-525 *525-526 *486-466 *486-424 *404-399 *404-399 *399-393 393 *393-380	with queens called Arsin Berenice and Cleopatra, no independent reigns. It usurpers: Harwennofre (205–199), Ankhwennooi (199–186), Harsiese (131) Roman emperors '30 æ (names found in hierogi) and demotic texts. down tetrarchy) Augustus '30! Tiberius Gaius (Caligula) Claudius Nero Galba Otho Vespasian Titus Domitian Nerva Trajan Hadrian Antoninus Pius Marcus Aurelius Lucius Verus Commodus Septimius Severus Caracalla Geta Macrinus Diadumenianus Severus Alexander Gordian III Philip Decius Marcianus Aurelius and Volusianus Valerian Gallienus Macrianus and Quietus Aurelian Probus Diocletian Maximian
(Nubia and Theban ar Kashta (Nima' atre') Piye (Userma' atre' and other LATE PERIOD 25th Dynasty (Nubia and all Egypt) Shabaka (Neferkare') Shebitku (Djedkaure') Taharqa (Khure' nefertem) Tantamani (Bakare') (possibly later 26th Dynasty (Necho I Psammetichus I (Wahibre') Necho II (Wehemibre') Psammetichus II (Ankhkaenre') 27th Dynasty (Persian) Cambyses Darius I Xerxes I Artaxerxes I Darius I Zath Dynasty (Persian) Cambyses Darius I Zeth Dynasty (Persian) Cambyses Darius I Psammetichus III (Ankhkeenre') Psammetichus III Artaxerxes I Darius I	ea) 770-750 770-750 770-7712 s) 712-332 712-657 712-698 698-690 664-657 in Nubia) *664-525 *672-664] *664-610 *610-595 *595-589 *589-570 *570-526 *525-525 *525-404 *525-525 *525-404 *404-399 *404-399 *399-380 *393	with queens called Arsin Berenice and Cleopatra, no independent reigns. It usurpers: Harwennofre (205-199), Ankhwennoo (199-186), Harsiese (131) Roman emperors '10 se (names found in hierogi) and demotic texts. down tetrarchy) Augustus '30: Tiberius Gaius (Caligula) Claudius Nero Galius (Caligula) Claudius Nero Galiba Otho Vespassian Titus Domitian Nerva Trajan Hadrian Antoninus Pius Marcus Aurelius Lucius Verus Commodus Septimius Severus Caracalla Geta Macrinus Diadumenianus Severus Alexander Gordian III Philip Decius Gallus and Volusianus Valerian Gallienus Macrianus and Quietus Aurelian Probus Diocletian II Polus III Philip Decius Gallus and Volusianus Valerian Gallienus Macrianus and Quietus Aurelian Probus Diocletian III Pholip Decius Gallus and Quietus Aurelian Probus Diocletian

1044-1040 *380-: *380-: 30th Dynasty *365-3 *360-3 enanhur) *343-3 *343-3 *338-3 *335-3 enentanen PERIOD 332 BC-395 asty *332-3 Great *332-3 *323-3 *316-3 *304-3: *304-2! *285--24 ator *221-20 nes *205-18 -164, *163-14 -163, *145-11 (no *14 *116-10 l (Lathyros) l 107-8 ler I *88~8 *81~8(der II *80 *80–58, *55–5 *58-5 *51-3; *51-4; *51-4; *47-4; *44-3; r coregencies Arsinoe, patra, who had igns. Native

> ennofre (131) *30 BC-395 AD eroglyphic down to the

*138–161 *161–180 *161–169 *180–192 *193–211 *198–217 *209–212 *217-218 *222-235

RELIGIONS OF THE ANCIENT EAST

By
ETIENNE DRIOTON
GEORGES CONTENAU
J. DUCHESNE-GUILLEMIN

LONDON
BURNS & OATES

I. PRINCIPAL MASCULINE DEITIES

Name	Lord of	Characteristics	Iconography	* Family Relations	Sacred Animals
Amon	Thebes	God of the sky identified with the Sun under the name of Amon-Re	Human shape, Headdress with two large feathers	Husband of Mut, father of Khonsu	Ram with back curved horns. Nile
Anubis	Cynopolis	God of Mummifica- tion, and the dead	Man with jackal's head	Varying according to place	Jackal
Atum	Heliopolis	Evening Sun	Double-crowned King	Father of Helio- politan Enneads	Bull. Mnevis. Lion. Snake Ichneumon
Geb		Cosmic god, identified with the earth	Man lying down, his body strewn with plants	Son of Shu, husband of Nut	
Harakhtes	Heliopolis	Horus the Great, identified with the Sun	God with the solar disk on his falcon head	Father of the Heliopolitan Enneads	Falcon
Harsaphes	Heracleopolis		Rain God, or Ram headed	Husband of a local Hathor	Ram
Horus the Great	Sam-Behdet	God of the sky, founder of Pharaonic monarchy	Falcon, or man wearing solar disk on his head		Falcon
Horus the Child			Young naked prince, finger in his mouth	Son of Osiris and Isis	Falcon
Khenti- mentu	Abydos	God of the dead, identified with Osiris from Middle Empire onwards	Jackal God		
Khnum	Elephantine	Modeller of beings on a potter's wheel	God with ram's head and horizontal horns	Husband of Satis, father of Anukis	Ram

Name	Lord of	Characteristics	Iconography	Family Relations	Sacred Animals
Khonsu	Karnak	Moon God	Royal child wearing lunar disk on his head	Son of Amon and Mut	
Khopri	Heliopolis	Sun god, assimilated to Atum and Re	Man with a scarab instead of a head	17140	Scarab
Min	Coptos Panopolis	God of desert caravans	Ithyphallic figure wielding a flail	Husband of a goddess who presided over the east, later identified with Isis	
Montu	Hermonthis	Warrior god	Falcon or bull headed god armed with an axe and a bow	Husband of Raet- Taui, father of a form of Horus Horohre	Bull Bukis
Nefertum	Memphis		God with lotus flower on	Son of Ptah and Sekhmet	
Onuris	This	Assimilated to Shu	Figure with long streaky beard, two large straight feathers on his head, and holding a rope that hangs from the sky	Husband of Mehet, lion-goddess assimilated to Tefnut	
Ophois	Assiut	Warrior god	Wolf standing on a		
Osiris	Busiris	King of the dead	Man enclosed in mummy wrapping wearing a tall, conical cap with feathers	Husband of Isis, father of Horus the Child	He-goat
Ptah	Memphis	Patron of sculptors and blacksmiths	Mummified figure with shaven head, holding a long sceptre	Husband of Sekhmet, father of Nefertum	Apis Bull

2—R.						
-R.A.E.	Re	Heliopolis	Cosmic god, whose name means "Sun". Assimilated to Khopri when in the rôle of the morning sun, and to Atum as the evening sun	Falcon god, with solar disk on his head		
	Sebek	Fayyum Kom Ombo	the evening sun	Crocodile, or man with crocodile head	Son of Neith, husband of a Hathor	Crocodile
	Seth	Ombos	Warrior god, in service of the sun. Antagonist of Osiris	Armed warrior with the head of a fantastic animal, with curved snout and long ears	Brother of Osiris, husband of Nephtys	
	Shu	Leontopolis	Cosmic god, identified with air	Man wearing ostrich feather on his head	Son of Re, husband of Tefnut	Lion
	Sokaris Sopdu	Sakkarah Saft-el- Henneh	God of the dead Warrior god	Falcon-headed mummy Asiatic warrior, or mummified falcon having two straight feathers on his head	or result	
	Thot	Hermopolis	God of writing and the computing of time. God of the moon	Ibis-headed figure, with lunar disk on his head	Husband of Sekhat	Ibis, baboon

II. PRINCIPAL FEMININE DEITIES

Name	Mistress of	Characteristics	Iconography	Family Relations	Sacred Animals
Anukis	Island of Sehel	Goddess of the first cataract	Woman wearing a tall cylindrical ribbed tiara, splayed at the top	Daughter of Khnum	
Bastet Hathor	Bubastis Aphrodito- polis Denderah	Warrior goddess Goddess of merry- making and love	Woman with cat's head Cow, or woman with cow's head, wearing a solar disk on her head set in lyriform horns	Wife of Horus	She-cat Cow
Heket	Region of the first cataract	Khnum's assistant in the creation of beings at the potter's wheel	Frog-headed goddess	Wife of Khnum	
Isi s	Iseion	Companion and protectress of Osiris	Woman, wearing a seat, the hieroglyph of her name, on her head	Wife of Osiris, mother of Horus the Child	
Maat		Theological goddess, acting as feminine Logos in solar theology	Woman wearing the ostrich feather, used to write her name, on her head	Daughter of Re	
Mut	Karnak	Companion of Amon	Vulture, or woman wearing double crown	Wife of Amon, mother of Khonsu	
Neith	Sais	Assimilated to Athene by the Greeks	Woman wearing the crown of Lower Egypt and holding a bow and two arrows	Mother of Re, according to Sais mythology	

Nekhbet	Hieraconpolis	Dynastic goddess of Upper Egypt	Vulture, or woman wearing the crown of Upper Egypt	
Nephtys	Diospolis Parva	Assistant of Osiris and Isis	Woman wearing hiero- glyph of her name on her head	Wife of Seth, mother of Anubis
Pakhet	Speos-Artem- idos		Cat goddess	
Satis	Elephantine	Goddess of the first cataract	Woman wearing the crown of Upper Egypt combined with two lyriform horns	Daughter of Khnum and Anukis
Sekhat		Annalist of the Gods	Woman dressed in a leopard skin, carrying a pot of ink and a calamus	Wife of Thot
Sekhmet	Rehesu	Warrior goddess	Goddess with head of lioness	Wife of Ptah, mother of Nefertum
Selkis		Punisher of crimes	Scorpion with woman's head. A woman with a scorpion on her head	Mother of Harakhtes
Tefnut	Oxyrhynkos	Cosmic goddess identified with the principle of dampness	Lioness, a woman with the head of a lioness	Wife of Shu
Utu	Buto	Dynastic goddess of Lower Egypt	Snake goddess	

CHRONOLOGICAL TABLES

(A) EGYPT

PREHISTORY

B.C.	
Before 12000	Lower and Middle Palaeolithic Periods Upper Palaeolithic 1 (Nomadic food-gatherers)
c. 12000	Upper Palaeolithic 11 (Camps of fisherfolk in the Kom Ombo Basin)
è. 8000	Final Palaeolithic or Mesolithic Period (Introduction of bow and arrow)
c. 4500	Neolithic-Cuprolithic Period (Tāsa-Badāri and Naqāda 1 Cultures)
c. 3500	Nagada II. Faiyum B and Ma'adi Cultures

KINGS FROM THE PIRST TO THE TWELFTH DYNASTIES EARLY DYNASTIC PERIOD

First Dynasty: c. 3100-2890 B.C.

Horus Name	Personal Name	Years of Reign
Narmer	Men (Menes)	
Aha	Iti (Athothis)	
Djer	Iti (Athothis)	47
Djer Djet	Iterty	•••
Den	Khasty	55-60
Anedjib	Merpebia (Miebis)	7
Semerkhet	Irynetjer `	8
Qaa	Qaa	25

Second Dynasty: c. 2890-2686 B.C.

Horus Name	Personal Name	Years of Reign
Hetepsekhemwy	Hetep	
Reneb	Nubnefer	
Nynetjer	Nynetjer	45-47
•	Weneg (Wadines)	19
	Sened (Sethenes)	•
Peribsen*	Peribsen	
	Aka (?)	
	Neferkasokar (?)	8
K hasekhem	('lacuna' in lists)	21 (?)
Khasekhemwy†	Khasekhernwy	17
* Seth name.	† Horus and Seth name.	

[994]

OLD KINGDOM

Third Dynasty: c. 2686-2613 B.C.

Horus Name	Personal Name	Years of Reign
Sanakhte	Nebka	19
Netjerykhet	Dioser	19
Sekhemkhet	Djoser Teti	6
Khaba	('lacuna' in lists)	6
	Huni (Nysuteh?)	24

Four	th Dynasty:	с. 2613-2498 в.с.	
Sneferu Cheops Redjedef Chephren	24 years 23 8 25(!)	Baufre(?) Mycerinus Shepseskaf Dedefptah? ('Thamphthis')	28(?) 4 2
Fif	th Dynasty:	c. 2494–2345 B.C.	
Userkaf Sahure Neferirkare Kakai Shepseskare Isi Neferefre	7 years 14 10 7 7(?)	Nyuserre Menkauhor Akauhor Djedkare Isesi Unas	[3]1 8 39 30
8ix	th Dynasty:	c. 2345-2181 B.C.	
Teti Userkare Meryre Phio(p)s I Merenre Antyemsaf I (9)	12 years 1(?) 49 14	Neferkare Phiops II Merenre Antyemsaf II Netjerykare Menkare (?) Nitocris	94(?) 1 2(?)

FIRST INTERMEDIATE PERIOD

Seventh Dynasty: c. 2181-2173 B.C.

Neferkare, 'the Younger'	Neferkamin
Neferkare Neby	Nykare
Diedkare Shemay	Neferkare Tereru
Neferkare Khendu	Neferkahor
Mervenhor	

Eighth Dynasty: 2173-2160 B.C.

Wadjkare Pepysonbe (Horus Kha-[bau?])	4 + x years
Neferkamin Anu	2 years 1 month
Kakare Ibi	4 years 2 months
Neferkare	2 years 1 month
Neferkauhor Kapuibi (Horus Netjerybau)	1 year 🖢 month
Neferirkare (Horus Demedjibtowy)	

Ninth Dynasty: c. 2160-2130 B.C.

Meryibre Achthoes I	*****	*****
•••••	Mery	*****
Neferkare	Shed	******
Nebkaure Achthoes II	H	User(?)
Saturt		` '

Tenth Dynasty: c. 2130-2040 B.C.

	1
Meryhathor(?)	Merykare
Neferkare	x months
Wahkare Achthoes III	

MIDDLE KINGDOM

Eleventh Dynasty: c. 2133-1991 B.C.

Horus Name	Throne and Personal Names	Date B.C.
Tep(y)a	Mentuhotpe(-a) I	2133-2118
Sehertowy	Inyotef I	
Wahankh	Inyotef II	2117-2069
Nakhtnebtepnefer	Inyotef III	2068-2061
Sankhibtowy)	·	
Netjeryhedjet }	Nebhepetre Mentuhotpe II	2060-2010
Smatowy	1	
Sankhtowyef	Sankhkare Mentuhotpe III	2009-1998
Nebtowy	Nebtowyre Mentahotpe IV	,
	The God's Father Sesostris	1997–1991

Twelfth Dynasty: 1991-1786 B.C.

1991-1962
1971-1928
1929-1895
1897-1878
1878-1843
1842-1797
1798-1790
1789–1786

(Figures in brackets indicate the lengths of co-regencies.)

(B) WESTERN ASIA

PREHISTORY

B.C.

c. 10000-4300

See Table 6 in C.A.H. 18, Part 1, p. 253.

4300-3500

'Ubaid Period (Eridu, Qal'at Ḥajji Muḥammad and 'Ubaid pottery) Uruk Period (Uruk 12–5 levels)

3500-3100

PROTOHISTORIC PERIOD

3100-2700

Uruk 4, Jamdat Nașr (= Uruk 3) and Early Dynastic I (First written documents in Uruk 4b)

SYNCHRONISTIC LISTS OF KINGS

(See following pages)

HRONOLOGICAL TABLES

(A) EGYPT

Kings from the Thirteenth to the Eighteenth Dynasties

THIRTEENTH DYNASTY: 1786-1633 B.C. (Selected Kings)

/		
5+x years	Khaneferre Sobkhotpe IV Khankhre Sobkhotpe V Mersekhemre Neferhotep I	8+ <i>x</i> years
3+x years 1 year c. 1770- 1769 B.C.	Khahetepre Sobkhotpe VI Sekhemre Sankhtowy Neferhotep III Wahibre Yavebi	4 years 9 months
	Merneferre Iy	9 months 23 years 9 months
4 months	Merhetepre Ini Djedneferre Dudimose I (Tutimaios)	2 years 2 months c. 1674 s.c.
2 years 4 months 4+x years 3+x years 7 years 3 years 2 months 11 years c. 1740— 1730 B.C.	Djedhetepre Dudimose II Sewahenre Senebmiu Meryankhre Mentuhotpe Djedankhre Mentuemsaf Menkhaure Senaayeb Nehsy	Upper Egyptian rulers and vassals of the Hyksos
	3+x years I year c. 1770- 1769 B.c. 4 months 2 years 4 months 4+x years 3+x years 7 years 3 years 2 months II years c. 1740-	S+x years 3+x years 1 year c. 1770— 1769 B.C. Wersekhemre Neferhotep I Khahetepre Sobkhotpe VI Sekhemre Sankhtowy Neferhotep III Wahibre Yayebi Merneferre Iy 4 months Merhetepre Ini Djedneferre Dudimose I (Tutimaios) 2 years 4 months Djedhetepre Dudimose II Sewahenre Senebmiu Meryankhre Mentuhotpe Djedankhre Mentuhotpe Djedankhre Mentuhotpe Djedankhre Mentuhotpe Nebsy

FOURTEENTH DYNASTY: 1786-c. 1603 B.C.

'Seventy-six kings of Xois', who reigned together 184 years, according to the Africanus version of Manetho. Many of their names are preserved in columns viii-x of the Turin Canon. Few monuments.

FIFTEENTH DYNASTY: 1674-1567 B.C.

Mayebre	Sheshi	

[1 ?]3 years

Auserre Apophis I

40+# years

Sek 't

Sel Ii

Sel S

Sel

N Se

Meruserre Yakubher Seuserenre Khyan

8 years

Agenenre Apophis II

Aschre Khamudy (?)

SIXTEENTH DYNASTY: c. 1684-1567 B.C.

A succession of eight Hyksos chieftains probably contemporary with the 'Great Hyksos' of the Fifteenth Dynasty and including some or all of the following rulers:

Anather

Ahetepre

Semgen

Sekhaenre

Khauserre

Seket

Nebkhepeshre Apophis (III ?)

[818]

SEVENTEENTH DYNASTY: c. 1650-1567 B.C.

First Group

	2.1	rsi Group	
Sekhemre Wahkhau Rehotpe		Sankhenre Mentuhotpe VI	1 year
Sekhemre Wepmaat Inyotef V,		Sewadjenre Nebiryerawet I	6 years
'the Elder'	3 years	Neferkare(?) Nebiryerawet II	* months
Sekhemre Heruhirmaat		Semenmedjat(?)re	
Inyotef VI	# months	Seuserenre (Userenre ?)	12 years
Sekhemre Shedtowy Sobkemsaf II	16 years	Sekhemre Shedwast	
Sekhemre Sementowy Thuty	I year		

Second Group

Nubkheperre Inyotef VII	3+x years	Sequence Tao II, 'the Brave'	-
Senakhtenre		Wadjkhepërre Kamose	3+x years
		* - -	

BIGHTEENTH DYNASTY: 1567-1320 B.C.

Nebpehtyre Amosis	1570-1546 B.C.	Nebmare Amenophis III	1417-1379 B.C.
Djeserkare Amenophis I Akheperkare Tuthmosis I	1546-1526 B.C.	Neferkheprure Amenophis IV (Akhenaten)	1379-1362 B.C.
Akheperente Tuthmosis II	1525-c. 1512 B.C. c. 1512-1504 B.C.	(Ankhkheprure)	
Makare Hatshepsut	1503-1482 B.C.	Smenkhkare (3)* Nebkheprure Tutankhamun	1364–1361 B.C. 1361–1352 B.C.
Menkheperre Tuthmosis III (21)*	1504~1450 B.C.	Kheperkheprure Ay	1352-1348 B.C.
Akheprure Amenophis II	1450-1425 B.C.	Djeserkheprure Horemheb	1348-1320 B.C.
Menkheprure Tuthmosis IV	1425-1417 B.C.		

^{*} Years of co-regency with his predecessor.

(A) EGYPT

Kings from the Eighteenth to the Twenty-first Dynasties

EIGHTEENTH DYNASTY: 1570-1320 B.C.

Nebpehtyre Amosis	1570-1546 B.C.
Djeserkare Amenophis I	1546-1526 B.C.
Akheperkare Tuthmosis I	1525-c. 1512 B.C.
Akheperenre Tuthmosis II	C. 1512-1504 B.C.
Makare Hatshepsut	1503-1482 в.с.
Menkheperre Tuthmosis III (21)*	1504-1450 B.C.
Akheprure Amenophis II	1450-1425 B.C.
Menkheprure Tuthmosis IV	1425-1417 B.C.
Nebmare Amenophis III	1417-1379 B.C.
Neferkheprure Amenophis IV (Akhenaten)	1379-1362 в.с.
(Ankhkheprure) Smenkhkare (3)*	1364-1361 в.с.
Nebkheprure Tutankhamun	1361-1352 B.C.
Kheperkheprure Ay	1352-1348 B.C.
Djeserkheprure Horemheb	1348-1320 B.C.

NINETEENTH DYNASTY: 1320-1200 B.C.

Menpehtyre Ramesses 1	1320-1318 B.C.
Menmare Sethos I	1318-1304 B.C.
Usermare Ramesses 11	1304-1237 B.C.
Baenre Merneptah	1236-1223 в.с.
Menmare Amenmesses†	1222-1217 B.C. (?)
Userkheprure Sethos II	1216-1210 B.C. (?)
Akhenre-setepenre Merneptah Siptah‡)	` '
Sitre-meruetemun Temograf	1209-1200 B.C. (?)

TWENTIETH DYNASTY: 1200-1085 B.C.

Userkhaure Sethnakhte	1200-1198 в.с.
Usermare-meryamun Ramesses III	1198-1166 в.с.
Usermare-setepenamun§ Ramesses IV	1166-1160 в.с.
Usermare-sekheperenre Ramesses V	1160-1156 в.с.
Nebmare-meryamun Ramesses VI	1156-1148 B.C.
Usermare-meryamun-setepenre Ramesses VII	1148-1147 B.C.
Usermare-akhenamun Ramesses VIII	1147-1140 B.C.
Neferkare-setepenre Ramesses IX	1140-1121 B.C.
Khepermare-setepenre Ramesses X	1121-1113 B.C.
Menmare-setepenptah Ramesses XI	1113-1085 в.с.

Years of co-regency with his predecessor.
 Also named Sekhaenre Ramesses Siptah.
 Later named Hikmare-setepenamun. † Position in Dynasty uncertain.

TWENTY-PIRST DYNASTY: 1085-945 B.C.

	Highest recorded year
Hedjkheperre-setepenre Smendes	
Neferkare-hikwast Amenemnisu	
Akheperre-setepenamun Psusennes I	19
Usermare-setepenamun Amenemope	
Nutekheperre-setepenamun Siamun	17
Titkheprure-setepenamun Psusennes	

HIGH PRIESTS OF AMUN AT THEBES FROM RAMESSES XI TO PSUSENNES I

Hrihor Piankh Pinudjem I Masahert Menkheperre Nesbenebded Pinudjem II IV

LIST OF EGYPTIAN KINGS

DYNASTIES XVIII-XXI: c. 1580-947 B.C.

In the first column variant transliterations are given in brackets. The second column contains the Greek transliterations (Manetho); the forms in italics are from contemporary cuneiform sources. The dates in the third column are those of Dr Hall (who adopts the higher Sothic limit, see C.A.H. 1, 168), those of Prof. Breasted (who prefers the lower Sothic limit) being in brackets.

EIGHTEENTH DYNASTY: c. 1580-1322 B.C.

Nebpehtire Ahmose (I'ahmases, Aahmes) I	Amosis	1580-1558	
Zoserkere Amenhotep (Amonhatpe) I 'Okheperkere Thutmose (Thutmases) I	Amenophis Tethmosis	1558-1545 (155 1545-1514 R)	7- I,
Okhepernere Thutmose II Makere Hatshepsut Menkheperre Thutmose III	Khebron Amensis <i>Manakhbiriya</i> , Mephres	1514-1501 1501-1479 1479 (1501)1 1447 1447	7,
'Okheperure Amenhotep II, Ḥiḥuas Menkheperure Thutmose IV Nebmare Amenhotep III	Amenophis Touthmosis Nimmuriya, Horos	1447-1420 1420-1412 1412-1376 (1411-1375, B)	
Neferkheperure Ikhnaton (Akhenaton, etc.) Amenhotep IV	Naphhururiya	1380-1362	
Smenkhkere (S'akere) Nebkheperure Tutenkhamon	Akenkheres Bibkhururiya,	1362-1360 (137 1360-1350 135 B)	Ō,
Kheperkheperuirimare Ai II	Khebres Akherre	1350-1346)	

NINETERNTH DYNASTY: c. 1346-1210 B.C. 2

Zoserkheperure Harmhab (Horemehbe)	Harmais	1346-1322
Menpehtire Ramses I	Menophres	(1350-1315, B)
Menmare Seti I	Seth ō s	(1315-1314, B) 1321-1300
Uesermare' Setepnere' Ramses II	Ushmuariya Satepua- riya Riyamasesa, Rayyasasa	(1314-1292, B) 1300-1233 (1292-1225, B)

See p. 60, n. 2.
 Other historians (apart from Breasted) begin the Nineteenth Dynasty with Ramses I.

		, -
Merneptah Hotephi(r)ma	Amenophath	1233-1223 (1225-1215, B)
Amenmose (Amonmeses)		1223-1220 (1215, B)
Ramses-Siptah (and Queen Tausret)	Thouōris	1220-1214
Seti II Merneptah	Sethös	1214-1210
		(1209–1205, B)

Anarchy; Reign of a Syrian Usurper 1210-1205 (1205-1200, B) B.C.

TWENTIETH DYNASTY: c. 1205-1100 B.C.

Setnakht	1205-1204	
	(1200-1198, B)	
Ramses III, Hikon	12041172	
	(1198-1167, B)	
Ramses IV	1172-1166	
현실 등을 가장하는 사람들이 하다.	(1167-1161, B)	
Ramses V	1166-1162	
	(1161-1157, B)	
Ramses VI	1162-1159)	
Ramses VII	1159-1157 (1157-1142, B)	į
Ramses VIII	1157-1156	
Ramses IX	1156-1136	. '
	(1142-1123, B)	
Ramses X	1136-1130	
	(1123-1121, B)	
Ramses XI (B, XII)1	c. 1130-1100	
	(1118–1000, B)	

TWENTY-FIRST DYNASTY: c. 1100-942 (1090-945, B) B.C.

Tanites	1.5	ens	
Nesubanebded (Smendes) Psibkhenno I	c. 1100–1090 1090–1070	Hrihor (Paiankh, high-	
		Painozem I	1070-1030
Amenemopet	1020-970	Menkheperre (high-priest c. 1	
		(Nesubanebded, 1000–999)	high-priest c.
Siamon	970-950	(Painozem II,	high-priest c.
Hor-Psibkhenno	950-947	999–954) Psibkhenno II	954-942

¹ From an inscription published by Maspero in 1910 (Annales du Service, x, p. 131) it is now known that Ramses 'XII' should really be numbered XI (Hall, Ancient History of the Near East, p. 389, n. 2).

Egyptian and Near Eastern chronology: a dilemma?

JAMES MELLAART

There exists a widespread belief among historians that radiocarbon dating is incompatible with the historical chromologies of Egypt and Mesopotamia. In this article the author, between in Anatolian archaeology at the Institute of Archaeology, University of London, attends to best that a high historical chromology is required by re-estarpetestion of the Uruk and Femdet Nats sequences and their historical chromology, and comparises that their grades are appreciated that section and Egypt. A comparison with dendrochromology-corrected radiocarbon desiry suggests that its compatible with a high historical chromology. By combining these two independent forms of dating it is compatible to reconstruct a uniform time scale. The Editor of Antiquity' is gradeful to the it becomes possible to reconstruct a uniform time scale. The Editor of Antiquity' is gradeful to the British Academy for a generasi densities towards the production of this article.

The major problem for Near Eastern and Egyptian archaeologies and historians alike is the catabilishment of a reliable chronology, and anyone familiar with the subject will know that after the high dates feabinnable in the earlier part of this century a reaction set in towards the so-called middle and reaction set in towards the so-called middle and the was reaction that the state of knowledge of the dronologies. The latest test book, The Lorder butions was 1961, and is a monument to the middle chronology. It came too early to take advantage of the chronological revolution caused advantage of the chronological revolution caused by Libby's discovery of indiccarbon dating and its correction that with the dendrochronological californian prefer to use historical chronological californians prefer to use historical chronological and they remain accpical about the use of radiocarbon dating. Archaeologists on the other hand have found C14 dating invaluable in areas for which historical chronologies are absent, and that means virtually every country except Egypt and means virtually every country except Egypt and means virtually every country except Egypt and in the two historical chronologies are absent, and that means virtually every country except Egypt and not should, for each can benefit from the other, so it should, for each can benefit from the other, and one should at last be able to settle a further problem that has bedevilled the historical chronologies over the past 40 years, namely, the existence logies over the past 40 years, namely, the existence

of three main versions, high, middle and lost chronologies, in both Egrpt and Mesopotamia Between the two extremes, the middle chronologies is now the favourite, but as it represents a compromise, it is not necessarily therefore corresponds and three radiocarbon ones (uncorrected with 556 half life, uncorrected with 5730 half life and the corrected one, which should henceforth be sold used), has made a synthesis of Near Easte (gross seed, including Egrpt, Middle East, a Indus valley) cultural development almost in poemible, or, at best, so fraught with chronology hurdless as to be virtually useless. With hurdless of the various countries of the Near Easte should be conducted in isolation, but requires a flanous in the Indus plains may have affine workledged in a vacuum, not even Egrpt to link and interpret the events one needs a chronology, applicable everywhere.

How can this be achieved? One ventually stating one's preference as is often inday—but by a conscious strempt to or both methods and try to refine them. I method is infallible in its near risks but.

both methods and try to refine them. I method is infallible in its own right, but methods can produce the same results, on reasonably feel some confidence in maki somewhat optimistics critics will say—that such progress can be made, even with the rather unsatisfactory material at our disposal.

I stress this point, for we have far too few C14 dates, mostly charcoal, from Mesopotamia, though generally from recently excavated stratified sites, and far too many from possibly, if not probably, contaminated Museum objects of wood from Egypt, dug up long ago, mainly from plundered tombs. Both sequences of C14 dates are full of gape, which can only be partly filled by radiocarbon dates from neighbouring countries, such as Palestine, Syria, Anatolia and Iran. This is the best one can do, and though the situation is not ideal, it helps considerably, especially for the Mesopotamian chronology. All this means, of course, that we have many 'duds' among the radiocarbon dates, contaminated samples, re-used wood, etc., but that cannot be helped. This is where the insistence on C14 sequences comes in; it helps to sort out the 'duda' and single dates remain suspicious until confirmed. The process of selection is, unhappily, selective, which has given C14 dating a bad name among its severest critics. Another factor of some importance to the historian is the tolerance of a radiocarbon date, usually 50 years or more, which, it is alleged, makes the method too imprecise for historical purposes. With three versions of historical dating, this argument is not very convincing; neither method can at this moment confidently claim to be able to date anything within 50 years of its probable date, i.e. before the sixteenth century ac. The tolerance of the C14 date should eventually be reduced, so will the uncertainty of the historian about dates as new dating systems are invented, more precise material comes to light, and errors in copying, omissions and faulty arithmetic, or even fraudulent regnal years are exposed.

BGYPTIAN HISTORICAL CHRONOLOGY

Both methods have their imperfections, and in the case of the king lists—in both Egypt and Mesopotamis—scholars have tried to fix a number of reigns through astronomical data, used then as anchors for their chronologies, e.g. 1595 Bc for the fall of Babylon, or year 7 of Sesostris III, 1872 Bc, which puts the beginning of the Twelfth Dynasty of Egypt at 1991 Bc. The trouble with this sort of dating is, of course, the existence of alternative dates (in Mesopotamia) and the possibility that the

observation of the ancients was not as dead accurate as modern astronomers would expect today for making calculations. The assumption that they were introduces an element of doubt, and in the case of the Sesostris III date one should point out that the rising of Sothis on 16.viii of the 365 day calendar year reported in a papyrus is not accompanied by the king's name, which is supplied by another text in the archive. The assumption that the date refers to this king is logical and though Hayes (CAH I, 1, 173-4) says that this key date is certain, Smith (Antiquity, XXXVIII, 1964, 3), more cautiously refers to the king as probably Sesostris III. As the whole of the middle and low chronology for Egypt hangs on this one date (Hayes, op. cit., 173 ff.), some nagging doubts remain as to its validity. The acceptance of this date has led to a reconstruction of the chronology of the Hyksos period which poses problems, which somehow seem to have escaped comment. With the beginning of the Eighteenth dynasty under Amosia c. 1567 BC (in his fourth year, with the expulsion of the Hykaos) a date based on a further astronomical date of the 9th year of his successor Amenophis I (1537 nc), Hayes (op. cit.) has at his disposal a time span of 1786 (correct 1782) to 1567 for the Thirteenth to Seventeenth dynastics. Allowing the Thirteenth dynasty 153 years (1786-1625) as stated in the Turin papyrus, and the Fifteenth dynasty of six 'Great Hyksos' kings (1674-1567), there is an overlap of 1674-1625 between the later part of the Thirteenth dynasty, after Dudimose I (Manethe's Tutimaios ousted by the first Hyksos king) and the beginning of the Fifteenth. For the Sixteenth dynasty, of 118 years (1684-1567 BC), there is no room, so it is made to double up with the Fifteenth, a curious procedure explained as possibly a collateral line of vassals to the Great Hykaos of the Fifteenth dynasty. If so, why should the collateral line start ten years before their overlords and how does this square with the statement that the First Hyksos had founded the temple of Seth at Avaria (the Hyksos capital) c. 1720 BC, a date derived from the Stela of the year 400, set up by Seti I as vizier, c. 1320 BC after a visit to the temple? The explanation given is simple: the Hyksos foreign rulers already held Avaris 40 years before they defeated Dudimose and put an end to the Thirteenth dynasty, thus becoming overlords of all Egypt, but allowing vassals (later Thirteenth dynasty) to sule in Thebes, just as the Fourteenth dynasty held out in the West

which I have rounded off as 450 years. In this way one reached a date c. 3400 BC for the beginning of the First dynasty, independently suggested long ago by Breasted, Weigall and Emery (Archeic Repyt, Harmondsworth, 1961, 28-30).

On purely historical evidence then, it is perfectly possible—and slwsys was—to reconstruct an feetly possible—and slwsys was—to reconstruct an Haypian chronology considerably earlier than the Middle Chronology currently in fashion; the only secrifice demanded is the 1872 date for the seventh year of Besostris III, if that astronomically fixed date really belongs to that king.

The only other Near Eastern country from which we have king lists is Babylonia. Here again the middle chronology is anchored by astronomically fixed data, like that of 1995 ac for the fall of the Old Babylonian dynasty, yet there are alternatives, frequently disregarded. On the middle chronology, Hammurahi would have reigned from 1792-1750 ac and his older contemporary Shamahi-Adad of Assyris from 183-1781 ac. Counting back from 1995 ac the important Third dynasty of Ur falls between 2113 and 2006 and the Agade period at c. 2317-2316 and his grandson Naram-Sin from 237-2326 ac; with Bargon of Aktad ruling from 237-2356 ac; with Bargon of Aktad ruling from 237-2356 ac; heyond this between takes over. Bamebaragisi of Kish, the earliest king of whom an inacribed object has survived is estimated to have ruled c. 2700 ac. Earlier periods are purely archaeologically dated.

There is, however, a higher chronology for Mesopotamia, that of Landsberger and Nagel (easily consulted in Eva Strommenger's Art of Assiste Mesopotamia, that of Landsberger and Nagel (easily consulted in Eva Strommenger's Art of Assiste they date thus to c. 1738 ac. The end of Kassite ruled Babylonia for 576 years after the destruction of Babylon by the Hittite king Muralii, an event they date thus to c. 1738 ac. The end of Kassite rule is dated c. 116a ac. On this high chronology Hammurahi ruled from 1930-1888, Shamahi-Adad from 1853-1921 and the Ur III dynasty is placed between c. 2390-2143. The Agade period runs from 2469-237, with Naram Sin ruling from 2389-2323 and Bargon from 2469-2414 ac., just about a century to c. 2600 ac. The middle chronology. MESOPOTAMIAN HISTORICAL CHRONOLOGY

logy for Mesopotamia's Early Dynastic and at called Protohistoric periods (from Uruk V) is based on estimates only, except for a synchronis between Late Gerzean in Egypt and Late Uruk in Mesopotamia and North Syria, previously regards ss Jemdet Nasr.

a you no as maprimes can p. 242) are comes to a dia of c. 3000 at 6 rethe beginning of Early Dynastic, to century or so after the accession of Menca is Egypt c. 3100 mc. Most archaeologists would agree with his estimated lengths for the Early Dynastic, the synchronism, however, first modified by H. Kantor (Chromologist in Old World archaeologist 1965, 10 ff.) suggests that the beginning of the First Jonasty, on Egyptian dating put c. 3100 mc, which would not allow enough time for the three would not allow enough time for the three possibly even five, building-levels of the period a warka, if it lasted only one century! Then centuries seems a better estimate, in my opinion of the chromological table, CAIH. I.a, 997, the authorship of which is not recorded, we find the Protohistoric period (Uruk IV, Jemdet Net Protohistoric period (Uruk IV, 16 ft we start from Mallowan's date of 3000 mc is abould allow at least a century? Rowton in the main chromology chapter in the book (CAH. I. 16 ft we start from Mallowan's date of 3000 mc is the beginning of Early Dynastic, then the date of 3100 mc for Uruk IV (CAH, I.2, 997) leaves only 100 mc century for Uruk IV (CAH, I.2, 997) leaves only 100 mc for Uruk IV (CAH, I.2, 997) leaves only 100 mc century for Uruk IV (CAH, I.2, 997) leaves only 100 mc for Uruk IV (CAH, I.2, 997) leaves only 100 mc for Uruk IV (CAH, I.3, 997) leaves only 100 mc for Uruk IV (CAH, I.3, 997) leaves only 100 mc for Uruk IV (CAH, I.3, 997) leaves only 100 mc for Uruk IV (CAH, I.3, 997) leaves only 100 mc for Uruk IV (CAH, I.3, 997) leaves only 100 mc for Uruk IV (CAH, I.3, 997) leaves only 100 mc for Uruk IV value at 3500 mc according the beginning of the First Dynastic, then the date of the beginning of the First Dynasty also starts at the beginning of the First Dynasty also starts at the formal production of the IV (CAH, I.3) and the Mallowan (CAH. I.a, 242) assigns 550 years the Early Dynastic period (250 for ED III (A as B), 100 to ED II, and 200 for ED I), plus anoth 50 years or 10. Added to a date of c. 2400 BC (11 2300 BC as misprinted on p. 242) he comes to a da

3100 ac there is evidently something w Uruk IV should have ended then, not b This entire section of the middle chronolo utterly unconvincing

IV-III sequence is obviously of much greater length than has been envisaged hitherto and it should perhaps be pointed out that the sequence does not consist of house remains, but of monumental temples both in the Eanna precinct and on the Anu ziggurat, which leaves no scope for arbitrary compression. Any revision of the Mesopotamian dating immediately affects Egypt as well through the synchronism, late Uruk = Late Gerzean. There is no historical justification for this section of the middle chronology from Mesopotamis, where these periods have writing but no history; they are based on the middle chronological date of c. 3100 BC for the beginning of the First (Historical) Dynasty of Egypt. The archaeologically impossible reconstruction here criticized hangs on this one date, which in my view must be regarded as too low by about three centuries. Emery, the excavator of the First Dynasty cemetery at Saqqara, put the date of the beginning of the First Dynasty at c. 3400 ac, which would seree with a similar date for the beginning of Jemdet Nasr, thus resolving satisfactorily the chronological puzzle.

It is important to note that the arguments produced were purely archaeological; old and new finds showed undue compression of building-levels with massive temple structures at Uruk. The issue is complicated by the fact that cylinder scals, and ceramic forms, once regarded as exclusively Jemdet Naar types in the Diyala area (which did not have the earlier Uruk layers), have since been found to extend backwards in time into Late Uruk (Susa, Chogha Mish, Habuba Kebira South, Jebel Aruda, etc.) altering the date of importation into Late Gerzean Egypt, and thus the date of the all important synchronism. In the absence of historical texts, the only historical date was that of the beginning of the First Dynasty of Egypt, c. 3100 BC adopted by most Egyptologists, but at variance with the view of the most eminent Egyptian archaeologist, W. B. Emery, who preferred a date of c. 3400 BC for the same event. Archaeological research has thus outstripped the old ideas on which the middle chronology was built, and though old ideas die hard, there can be no compromise between new archaeological facts and out-moded theories. The dates of Jemdet Nasr and the First Dynasties must be readjusted on purely archaeological grounds. This means that we need to have another look at the so-called historical chronologies and it is perfectly possible to provide an alternative

00

1

00

L

In

te d

nde

ngs

·5 i

ng i

ith

OFF

101

rts a

rong

CEUP)

in full accordance with the new archaeological data, these high chronology dates should be preferred, as they are in better accordance with the facts as we now have them. All this is perfectly clear and reasonable to current archaeological practice; new facts necessitate adjustments to earlier chronologies; impossible archaeological situations like the one described above need solving even if popular chronologies are discredited in the process.

The fact that dendrochronologically calibrated radiocarbon dating lends support to a higher historical chronology is of course very satisfactory, but is totally irrelevant to the line of archaeological argument produced above, which showed incompatibility between a middle chronological straightjacket and the observed archaeological sequence, These discrepancies stand, whether one uses calibrated radiocarbon dating or not, and they argue strongly for a higher chronology. Historical chronologies are a unique record from the past, they cannot and should not be ignored, but they have not come down to us in such a perfect state that only one chronological interpretation—the middle chronology—is possible. In the 1950s this may indeed have seemed the best choice: in 1979

The juxtaposition of the high chronologies of Egypt and Mesopotamia does not alter the wellknown synchronisms: end of Gerzesn/beginning of First Dynasty equal end of Uruk/beginning of Jemdet Nasr period, or the first 'historical' contemporaneity of Neferhetep (Thirteenth dynasty) with Yantin-Amu of Byblos and Zimri-Lim of Mari, and hence with hosts of other Asiatic rulers of the Mari period. From this a number of other archaeological correspondences follow; the important Cappadocian trade of the Old Assyrian kings with Kanesh II equates with the later Twelfth dynasty from Sesostria III onwards; the Byblos foundation deposits known as the Montet jar link the Tenth (and Early Eleventh) dynasties with the Ur III period making Amarsuena of Ur and Ibdati of Byblos contemporaries of Nebhetepre Mentuhetep II, who reunified Egypt, thus putting an end to the First Intermediate Period. In Egyptian terms, Gilgamesh the adversary of Enmebaragisi and his son Aggs, kings of Kish, become contemporaries of Cheops and Chefren, Enmerkars's tussle with the Lord of Aratta, the lapis lazuli emporium falls in the later Third dynasty and Mallowan's Flood at the end of Early Dynastic I

Delta, and still others, the 15 kings of Turin papyrus col. XI, second half, and the 16 kings of the Theban Seventeenth dynasty, dated by Hayes between c. 1650-1567 BC, the ancestors of Amosis. Hayes's comment that the Sixteenth dynasty of 8 kings of 118 years is chronologically insignificant (op. cit., 183) may be the result of trying to squeese the sequence of two successive Hyksos dynasties, the Great (XV) and the Little (XVI) into an obscure contemporaneity. What and from where did the Little Hyksos rule? Why should the Great Hyksos have allowed a parallel dynasty when they controlled all Egypt and even parts of Nubia and were in contact with foreign powers such as Babylonia, the Hittite Old Kingdom and Crete? This does not strike one as at all characteristic of powerful rulers of the Fifteenth dynasty, as every Egyptologist acknowledges they were. They might have been of ultimate Asiatic descent, like some of their predecessors in the Thirteenth dynasty, but they behaved like Egyptian rulers as much as the great kings of the Twelfth dynasty, and perhaps in imitation of them. Much of the hostility towards the Hyksos was undoubtedly fomented by the kings of the Theban Seventeenth dynasty, who considered themselves the rightful heirs of their predecessors of the Thirteenth, as indeed they may have been, representing the logitimate Egyptian line versus 'immigrants' in the north. That there were two Hyksos dynastics is beyond doubt, from the monuments, the Turin papyrus (col. X, 14-20; 6 (Hyk)sos kings) and nother dynasty of eight kings of which only 'Beket' X, as is preserved. These two have been dubbed the Fifteenth and Sixteenth dynastics because of the order in which they are presented, but the numbering is modern, and Hayes points out that Anather and Semgen are 'very early Hyksos' and the beginning of this dynasty in the CAH is dated c. 1684 BC whereas the Great Hyksos is put n years later. Seti I's Stele of the year 400 was already mentioned as indicative of even earlier Hyksos rule in Avaris, since 1720 ac. The war of liberation fought by the last Theban kings against the Hyksos has only one reference to a Hyksos king. On Kamose's Karnak stela of his third year, the enemy is Aweserre Apophia III (CCH, II, 1 289 f., esp. 281), one of the Great Hyksos of the Fifteenth dynasty. This shows that the Seventeenth Theban dynasty overlapped with the Fifteenth, their overlords. The problem remains how to interpret the so-called Sixteenth dynasty of

'Little Hyksos' with their early scarabs and oth minor monuments and a reign of 118 year extrapolated from Manetho. The Seti I stela point to earlier Hyksos than the Fifteenth dynasty. does the archaeological evidence. It is only the acceptance of the 1872 date for the seventh year Sesostris III which necessitates a doubling of two Hyksos dynasties, an earlier Sixteenth and a late much better attested Fifteenth. The identification of Mayebre Sheshi, the first king of the Fifteent dynasty, with Sharek or Shalek (CAH, I, 1, 18d one generation before Apophia I is perfecti possible, but the Hyksos king Salitis, who accord ing to Manetho defeated Tutimajos/Dudimose the Thirteenth dynasty is not necessarily the san person. The Thirteenth dynasty could easily have been defeated by an earlier Hyksos dynasty, the 'Sixteenth' c. 1791 BC, after which they ruled for 118 years. The foundation of the Set temple visite by Seti I in Avaria would then have taken place late in the Sixteenth dynasty, well before the Gree Hyksos. Hyksos power may have increas gradually during the Sixteenth dynasty to rise to it apogee and fall in the Fifteenth. The politics incompetence of the Thirteenth dynasty may we have encouraged separatists in the Delta, with the establishment of the so-called Fourteenth dynasi (76 kings, 184 years) in the Western Delta based of Xoia, and the Hykaoa Sixteenth in the east a Avaria after the reign of Dudimose. His successo would have ruled in Upper Egypt as Hykso vassals, possibly followed by another fifteen king (Turin col. XI, second half), followed presumably by the 16 kings of the Theban Seventeenth dynas which finally threw off the Hyksos yoke. Th length of the Fourteenth dynasty (184 years unde 76 kings) could be invoked as an argument again telescoping the period of Hyksos rule, for it is han to believe that the breakaway of the Western Delt should have preceded the establishment of Hyks power as Hayes would have it (CAH, I, 1, 185: provincial ruling house evidently contemporar with the Thirteenth dynasty'). I prefer to believ that the Fourteenth dynastyobscure as it is-v only remembered in later history because escaped Hykaos rule and preserved Egyptis independence, after the rest of Egypt had acknow ledged Hykkos supremacy. They were for a los time the only legitimate Egyptian dynasty lef (c. 1791-1605 BC). As rebels against the Thirteent dynasty, they would hardly have been remembere If this reconstruction is correct, then there is som

EGYPTIAN AND NEAR EASTERN CHRONOLOGY

thing very wrong with the middle and low chronology of Egypt, and the length of Hyksos rule is not 108/118 years but nearer 225 years.

Thus if the Eighteenth dynasty started in 1567, the Sixteenth (118 years) in 1664 and the Fifteenth (108 years) in 1791, the Thirteenth (153 years) in 1046, the Twelfth (210 years) would have begun c. 2155 BC and not in 1991, as is almost a point of dogma today. The implications of this reconstruction are evident; the astronomical date of 1872 for the 7th year of Sesostris III cannot be upheld any longer, it must somehow be wrong astronomically, or refer to some Thirteenth dynasty king.

The beginning of the Middle Kingdom, the Eleventh dynasty, is given 134 years on the Turin papyrus—and on the middle and low chronologies this would take us back to 2125 BC, and when added to our alternative date c. 2155 for the beginning of the Twelfth dynasty, to c. 2287 BC. There is good agreement that the Heracleopolitan Tenth dynasty was largely contemporary with the Theban Eleventh until the re-unification of Egypt in the reign of Nebhetepre Mentuhetep II, c. 2040 BC on the middle and low and c. 2205 on our high

chronology.

Although it is possible to establish Egyptian chronology up to the beginning of the Eleventh dynasty we now reach a hiatus, as the length of the Ninth dynasty is an unknown factor. The thirteen kings recorded in the Turin papyrus have lost their regnal years. They are preceded by the Eighth and Seventh with six and seven kings respectively. Hayes (op. cit., 180-1) allows 30 years to the Ninth, 13.5 to the Eighth and 8 years to the Seventh-a total of 48.5 years for this, the First Intermediate period; whereas Helck's low chronology combines it with the Tenth dynasty and considers the entire span from Seventh to Tenth as contemporary with the Eleventh dynasty prior to the unification. W. S. Smith suggested (Art and architecture of Ancient Egypt, Harmondsworth, 1965, p. xxiv) as interregnum for the Seventh dynasty, 26 years for the Eighth and 92 for the Ninth, a total of 118 years, and expressed unease about the tendency to reduce the length of the First Intermediate period more and more. I would allow 100 years for this period, a figure as arbitrary as the 48.5 of Hayes or the zero years of Helck. What this means is that the chronology of the First to Sixth dynastics floats. The Turin papyrus gives '955 years' for dynastics I-VIII, which would allow 932 years for I-VI and Hayes dates the beginning of the First Dynasty c. 3114 or in round terms c. 3100 BC. The various estimates for the length of the First to the Eighth dynasties is best illustrated in the following table. The middle chronologies follow CAH, I, 2, 994-5 (Hayes), Lauer (Saggara, London, 1976, 10), and the Low one (Helck) is easily available in Propylesen Kunstgeschichte 15, 1975, C. Van der Sleyen, Das Alte Ägypten, 446-7.

The somewhat higher estimates I have arrived at are due to taking the highest regnal years recorded or emended in the Turin papyrus and my refusal to shorten any reigns by choosing low estimates, where there is a choice. I follow W. S. Smith in regarding the length of 76 years for the Third dynasty as too short and I agree with Parker in his estimate that the first two dynasties on the

Chr.: c. 2287	High, J. I XI	/[ellaar	t 2133	Middle, Hayes XI)	2134	Lauer XI		2134	Low, Helck XI	
2388	VII-IX	100	2181	VII-IX	48	2190	VII-IX	44	2155	VII-VIII	28
2570	VI	183	2345	VI	165	2350	VI	160	2290	VI	135
2725	v	155	2494	v	150	2500	v	150	2450	v	140
2850	IV	125	2613	IV	120	2650	IV	150	2570	īV	130
2950	111	100	2686	111	74	2730	III	80	a 635	111 .	65
3200	11	250	2890	II	205	2900	11	170	2780	11	145
3400	I	200	3100	ī	210	3100	ī	200	2955	1	175

ANTIQUITY

(CAH I.2, 243-4) would have taken place at the end of the reign of Zoser in the middle of the Third dynasty, making king Ziusudra of Shuruppak his contemporary. The long list of historical kings of Egypt who precede this 'event' in Mesopotamia lends substance to the claim that the Pre-Diluvian kings of Mesopotamia, though only preserved in later legend, may have existed after all, and await the proverbial 'spade' of a future excavator, or the by now less romantic bulldozer. The high chronology also removes the dubious claim that writing was invented in Mesopotamia earlier than in Egypt. With hieroglyphic writing, as well as hieratic (cursive) script in use during the reigns of Narmer, Zekhen and (Rosette-) Scorpion, kings who preceded the First dynasty and are thus contemporary with Uruk IVA, and with the preservation on the Palermo Stone of at least eleven kings of Lower Egypt, possibly a whole dynasty, the priority of Mesopotamian writing is very doubtful. The excavation of Gerzean sites in Egypt is long overdue; surely it is time that we knew more of the Egyptian contemporaries of Uruk VI-IV, Habuba Kebira, Jebel Aruda, Tell Brak and Godin V, when Egypt imported lapis lazuli, silver and obsidian and had developed seagoing ships?

RADIOCARBON DATES AND THE HISTORICAL MESOPOTAMIAN SEQUENCE

From the Uruk period till the fall of Babylon, the number of radiocarbon dates from Mesopotamia itself is still pathetically small, and one could hardly talk about a Mesopotamian C14 sequence, were it not that Mesopotamia's neighbours have provided most of the dates used here from recently excavated sites, the material of which can easily be correlated with that of Mesopotamia. These radiocarbon dates are of course selected, and they are usually only sufficient to date the period in question rather than any particular reign, yet the cumulative evidence of these dates, especially i found in clusters from various sites, judged on archaeological or historical grounds to be contemporary, yields evidence that can no longer by ignored.

The C14 dates are presented in the following order: Laboratory number, site with building level or period (one would be happier if these in futur could be more precise, indicating construction or destruction of a building), BP date calculated with Libby half-life or 5568 half-life; MASCA corrected date, with identical tolerance of I sigma; and finally the reference, usually to Radiocarba, abbreviated as R, or any other journal or publica tion. The dates are discussed, from later to earlie periods; the dates after each period are quoted on the high historical chronology, and then compared with the middle historical chronology, followed by an assessment. As virtually all C14 dates as derived from timber, unless otherwise stated, i should be borne in mind that the dates give the period at which the timber was cut down and use in construction (or re-construction or destruction) and this may produce a considerable measure uncertainty.

Tell Rimah contains a temple of Shamshi Ada and Dinkha IV C is contemporary with th stratum at T. Shemshara in which an archive d the period of Shamshi-Adad was found. Thes dates fit the high chronology better than the midd one (c. 1813-1781 BC-P-1595). Acemboy (craft apple) 3391 + 58 mp; 1870-1720 ± 58 mc (R xiii, 1971, 369-71). This dates the burning of the palace of Acemköy (probably Purushattum) which contained among others bullae of Shamahi-Adad Aplahanda of Carchemish and those of a daughte of Iahdunlim of Mari and Urshu (Belleten, XL) no. 162, 1977, 357-61). The date is unfortunately one of those on a 'wiggle' in the calibration curve; if read as 1870 it might date the end of the Kültepe Ib period. However, the next two date

Shamshi-Adad (Kültepe Ib) and Kültepe II period (Old Assyrian, Brishum-Pussurassur)

For the period of Shamshi-Adad (c. 1953-1921 BC) there are the following dates:

P-1117 Tell Rimah II 3480 ± 60 BP P-1452 Dinkha IV C 3522 ± 63 BP P-1690 - IV C 3645 ± 61 BP

2020-1960 ± 60 BC R. xix, 1977, 208 1925 ± 63 BC Iran, 12, 1874, 130

Iran, 12, 1974, 130 from the Acembby palace(s) should date its construction during the Kültepe II period, c. 2040-1940 BC.

P-2041 Acemköv Palace P-1555

3500 ± 49 BP 3611 ± 40 BP 2030-2010 ± 49 BC 2110 ± 49 配

1895 ± 61 BC

R. xiii, 1971, 369-71

EGYPTIAN AND NEAR EASTERN CHRONOLOGY

These dates would seem to rule out a late date for Shamshi-Adad, as Kültepe II and Ib together could not have lasted longer than 175 years on sound historical calculations, and not three or nearly four hundred years as the span of C14 dating might seem to suggest (c. 2020-1720 or 2110-1720). They favour the high rather than the middle chronology. Further support for the high chronology comes from two further Kültepe Ib period buildings in Western Anatolia, a palace at Beycesultan and fragments of a large building at Aphrodisias not far away. Four C14 dates are available:

BM-?	Beycesul		3450 ± 150 BP		Beycenultan, 11, 1962
P-1647	Aphrodi	sias lower C.	3673 土 73 BP	2155 ± 73 BC	R, xiii, 1971, 369-71
P-1654		B (reused)	3587 ± 82 BP	2110 ± 82 BC	ibid
P-1646	•	upper C	3414 ± 69 BP	1875-1775 ± 69 BC	ibid

The first of these dates is evidently contemporary with Shamshi-Adad's reign on the high chronology (c. 1953-1921 BC), the second and third compare with P-1555 from Acemköy, construction period, and the fourth compares with P-1995, the destruction period at Acemköy and the end of Kültepe Ib period, estimated at c. 1875 BC.

Ur III period c. 2250-2143 BC

There are five dates for this period.			
H 141-120/166 Warks, reeds. Urnammu	3820 ± 85 BP	2330-2210 ± 85 BC	R, vii, 1965, 188-9
C-752 Nippur IV, Shusin-Ibbisin	3943 ± 109 BP	2303 ± 109 BC	Iran, 12, 1974, 130
P-1464 Gedikli, Amuq J cremation	3767 ± 50 BP	2158 ± 50 BC	R, xii, 1970, 580
P-1798 Selenkahiye IV, Ur III	3730 土 57 耶	2125 土 57 BC	AAAS, 23, 1973, 156
GaK. 1071 Godin III, beginning	3860 ± 120 BP	2217 ± 120 BC	AJA, 1969, 287-91

These dates speak for themselves; they all fit the high chronology better than the middle one of a113-2006 BC for this dynasty.

Abhadien period c. 2470-2300 BC

P-1461 Gedikli Amuq I-J	3877 ± 57 BP	2480-2440 ± 57 BC	R, xii, 1970, 580
GrN-5581 Gedikli Amuq J grave	3820 ± 40 BP	2330 ± 40 BC	R, ziv, 1972, 51
P-1789 Selenkshiye I, Agade	3975 士 73 配	2316 ± 73 BC	AAAS, 23, 1973, 156
P-1788 Selenkshiye 1, Agade	4015 ± 63 BP	2384 ± 50 BC	ibid
R-1008a Arsiantepe VI, Agade/ED IIIB	3800 ± 50 BP	2328 ± 50 BC	R. zvili, 1976, 2
R-1012a Aralantepe VI, ED IIIB	3840 ± 110 BP	2368 ± 110 BC	ibid

All these dates fall in the twenty-fifth and twenty-fourth centuries, none falls in the twenty-third century as might have been expected for Akkadian dates on the middle chronology (c. 2370~2191 BC). By themselves the evidence is not conclusive, and perhaps new dates from the burnt sites of Ebla, Brak and Mari will offer new evidence.

Early Dynastic III B period, c. 2650-2470 BC

y -			
BM-1366 Abu Salabikh I, BD IIIB	3869 ± 60 BP	2415 ± 60	Iraq, XXXIX, 1977, 275, n. 2
RM-126c " LED IIIR	2028 + 60 HP	2505 + 60	ihid

Insufficient evidence for dating this period in Mesopotamia, but acceptable with a 60-year tolerance for the first date. P-2050-2053 (R. xix, 1977, 208) are all too early and probably represent re-used wood from earlier periods ranging from Uruk to ED II.

Rarly Dynastic III A period, c. 2780-2650 BC

BM-64	Royal	cemetery	at Ur
-------	-------	----------	-------

Skeleton of Mes-kalamdug	3920 ± 150 BP	2540-2520 ± 150 BC	R, iii, 1961, 43
BM-70 R. cem. Ur burnt bone	4030 ± 150 BP	2670-2630 ± 150 BC	ibid
BM-76 Skeleton of Pu-abi	3390 ± 150 BP	2600 ± 150 BC	ibid

ANTIQUITY

P-724 R. cem. Ur wood 3959 ± 50 BP 2580 ± 59 BC R, vii, 1965, 190 P-810 Nippur V, transition ED II/III A 4074 ± 64 BP 2709 ± 64 BC ibid, 188-9

On the high chronology, Meskalamdug would have died c. 2650 BC. The material of the first three dates, on skeletons in museum cupboards and in addition the very high tolerance, make these dates something of a curiosity. They could fit the high chronology as well as the middle one, and the same applied to P-724. Only the Nippur date fits the high chronology better than the middle one with the ED II/IIIA boundary at c. 2700 rather than at c. 2600 BC.

Early Dynastic II period, c. 2900-2780 BC

```
P-807 Nippur VIII 4090 ± 64 BP 2726 ± 64 BC R, vii, 1965, 188-9
P-804 Nippur VIIB 4095 ± 52 BP 2732 ± 52 BC ibid
Gif? Mari, PPs (ED II) palace 4200 ± 150 BP 2840 ± 150 BC Syria, 44, 1967, 9-11
```

Insufficient evidence, yet fitting the high chronology better than the middle one (c. 2700-2600 BC). More dates from Mari would be welcome.

Early Dynastic I period, c. 3100-2900 BC

```
P-803 Nippur IX B
                                                         2861 ± 53 BC
                                       4221 ± 53 BP
                                                                                  R. vii, 1965, 188-9
P-819 Nippur IX A
                                                                                  ibid
                                       4373 ± 65 BF
                                                         2914 ± 65 BC
GrN-5580 Gedikli, escrificial pit,
  Late Amuq G
                                                         2833 ± 40 BC
                                                                                  R. ziv, 1972, 51
                                      3990 ± 40 BP
P-1463 Gedikli IIIj late
P-1462 - IIIk G
K-? Tell Sukas, level 27
                                                         2990 - 2980 ± 65 BC R. xii, 1970, 580
                                       4267 ± 65 BP
                                       4313 ± 74 BP
                                                         2960 - 2930 ± 74 BC
                                       4210 ± 120 MP
                                                         2960 - 2930 ± 120 BC AAS, 1961/2, 133 BC
```

All these dates fall in the thirtieth to twenty-ninth centuries, rather than in the twenty-ninth to twenty-eighth, as might have been expected in the middle chronology for this period (c. 2900-2700 sc). Individually, and even more so when combined with both the following and the preceding period, they support the high chronology.

```
Warha III-Jundet Nasr - Anuq G (Syria and S.E. Anatolia) and C. Anatolian c. 3400-3100 BC.
P-1434 Alaca Höyük XI/XII
                                  4285 ± 62 BP
                                                  3100~2990 ± 62 BC
                                                                       R, xiii, 1971, 371
C-183 Alient Höyük 14
                                  4514 ± 250 BP
                                                  3350 ± 250 BC
                                                                        Science, 113, 1951, 113
P-2040 Pulur (Sekyol) XI
                                                  3440~1390 ± 71 BC
                                                                        R, zvii, 1975, 205
                                  4614 ± 71 BP
                                                  3382 ± 60 BC
R-1019 Arelentepe VI
                                  4570 ± 60 BP
                                                                        R, xviii, 1976
R-1014 Arsiantepe VI
                                                  3110-2980 ± 50 BC
                                                                        R, zviii, 1976
                                  4570 ± 50 BP
R-1051 Arslantepe VI
                                                  3110-3010 ± 50 BC
                                  4310 ± 50 MP
                                                                        R, xviii, 1976
R-1013 Amlantepe VI
                                  4360 ± 50 BP
                                                  3155 ± 50 BC
                                                                        R, xviii, 1976
R-1017a Arelantepe VI
                                  4360 ± 50 BP
                                                                        R, xviii, 1976
                                                  3155 ± 50 BC
R-1010 Aralantepe VI
                                  4420 ± 50 BP
                                                  3180 ± 50 BC
                                                                        R, xviii, 1976
R-1018a Arsiantepe VI
                                  4410 ± 50 BP
                                                  3180 ± 50 BC
                                                                        R, xviii, 1976
R-roog Arelanteps VI (late)
                                                                        R, zviii, 1976
                                  4360 ± 50 BP
                                                  3155 ± 50 BC
```

This important group of consistent dates, all from sites in Turkey, links three important culture provinces, the East Anatolian or Transcaucasian EB2 of Pulur, with the Central Anatolian EBHs (formerly EBI or Late Chalcolithic) of Central Anatolia and both to the Amuq G culture of South-east Anatolia and Syria (at Arslantepe near Malatya on the Euphrates). The last named provides the all important link with Mesopotamian Warks III-Jemdet Nasr. The dates fit the high chronology, not those of the middle chronology of c. 3100-2900 BC.

There is a further check on the dating of the Warks III-Jemdet Nasr period from Southern Iran; where this period is marked by an eastward expansion of Elamite power accompanied with the use of Proto-Elamite tablets at the following three sites:

EGYPTIAN AND NEAR EASTERN CHRONOLOGY

TUNC-31 Tall-i-Malyan (Anahan), Banesh period=Warka III. Beginning of period or end of Uruk (Warks IV period) (Warks IV period) 4815 ± 91 BP 3465 ± 91 BC TUNC-37 Tepe Yahya IVC, beginning of Warks III Iran, 1972, 176

Artibus Asiae, 34, 1971, 337

4817 ± 120 BP 3467 ± 120 BC Artibus Asiae, 34.
TUNC-61 Shahr-i-Sokhta 10, 4480 ± 100 BP 3330-3220 ± 100 BC R. zix, 1977, 204
Gak-1072 Godin Tepe V, end of Uruk period, terminal date

4474 ± 103 BP 3330-3220 ± 103 BC Young, Excavations at Godin Teps, First Progress Report, ROM, 1969.

3984 ± 64 BC

3904 ± 65 BC

3737 ± 75 BC

Uruk period, c. 4000-3400 BC P-468 Grai Resh, Uruk 4160 + 64 MP 5085 ± 65 BP

GrN-? Habuba Kebira South P-469 Grai Reah, Uruk R-933a Arslantepe VII, Uruk R-9328

4860 ± 50 BP 4790 ± 60 BP R-933

Narka IVA, Temple C 4730 ± 50 BP 4883 ± 85 BP

3692 ± 50 BC 3640 ± 60 BC 3600 -- 3580 ± 50 BC 3573 ± 85 BC

R, v, 1963, 83-103 AfO, 24, 1973, 170 R, v, 1963, 83-103 R, xviii, 1976 R, zviii, 1976 R, zviii, 1976

UVB 21-22, 1962-63; 1965, 20

P-530 Nippur XVII - Warka VI/V TUNC-59 Suan 17/16, Uruk GrN-7989 J. Aruda I

GeK-1072 Godin V, end

4672 ± 74 BP 4636 ± 93 BP 4495 ± 75 BP 4474 ± 108 BP

4939 ± 75 BP

3470 - 3400 ± 74 BC 3470 - 3400 ± 93 BC 3340 - 3240 ± 75 BC 3330 - 3220 ± 103 BC

R, xv, 1973, 459 ibid, 396
AAAS, forthcoming see paragraph above

This set of dates, from Mesopotamia, Syris, Turkey and Iran should leave one in no doubt about the correctness of dating the Uruk period c. 4000-3400 ac on the high chronology. The middle chronology (CAH, 1, 997) starts the Uruk period at 3500 BC which is archaeologically quite unacceptable. As Warks III equates with Egypt and Palestinian EB Ic, so the Uruk period is contemporary with Gerzean Egypt and Palestinian EB I a-b, also known as Proto-Urban or Late Chalcolithic.

The C14 sequence of Mesopotamia and, chiefly, its neighbours, in spite of its obvious infirmities, is fully comparable with the high chronology (but not with the middle, and even less with the low chronology). This is a factor of considerable satisfaction to those who support a high chronology.

RADIOCARBON DATES AND THE HISTORICAL CHRONOLOGIES OF RGYPT

Suggestions for a calibrated radiocarbon chronology of Egypt were made recently by R. M. Derricourt in Radiocarbon chronology for Egypt and North Africa', JNES, 31, 1971, 271-92, and by J. Callaway and J. Weinstein in BASOR, 225, 1977, 1-16, but no attempt is made in these papers to a reconciliation with a high historical chronology. The Egyptian radiocarbon dates as a whole are not impressive, hardly surprising when one remembers that sequences from sites are absent, unrobbed tombs are the exception, and virtually all samples were tested long after collection, and are thus particularly prone to contamination. However, there remains a core of usable dates which compare favourably with samples from recent excavations in Palestine, which considerably reduces one's earlier views of 'all hope abandon, ye who enter here.' As in Mesopotamia, the C14 dates are only useful in fixing beginnings and ends of periods; they can hardly be used to fix individual reigns. One must not expect miracles!

XIIth Dynasty, c. 2155-c. 1947 BC

A-435 Mirgines fort. Middle Kingdom 3460 \pm 70 BP U-5 Abu Ghalib IIID3. Middle Kingdom3500 \pm 250 BP A-437 Buhen fort. Secostris 11? A-434 Askut fort. Middle Kingdom BM-238 Illahun pyramid. Sesostris II A-433 Semna West fort. Sesostris III? UCLA-900 Dehehur, funerary ship of Sescettris III

2040-2020 ± 255 BC 3520 ± 70 BP 2050 ± 72 BC 3560 ± 50 BP 2080 ± 52 BC 3580 ± 65 BP 2110 ± 67 BC 3670 ± 60 BP 2152 ± 62 BC 3640 ± 80 BF 2141 ± 82 BC

1975-1930 ± 72 BC R, V, 1964, 105 Deevey, 1962, 243° R, vi, 1964, 106 R, vi, 1964, 105 R, zi, 1969, 282 R, vi, 1964, 105 R, vii, 1965, 354

ANTIQUITY

C-82 same GrN-1157 same GrN-1158 same BM-22 same	3621 ± 180 BP	2130-2110 ± 182 BC	Libby, 1955, 77†
	3550 ± 55 BP	2078 ± 57 BC	Deevey, 1967, 36
	3610 ± 50 BP	2110 ± 52 BC	ibid
	3530 ± 150 BP	2057 ± 152 BC	R, i, 1959, 83
P-11 El Bersheh, Ahanakht coffin	3710 ± 98 BP	2173 ± 100 BC	R, i, 1959, 47

Transition Dynasty XI-XII, c. 2155 BC

BM-347 Gebelein, XI-XII 3710 ± 110 BP 2173 ± 112 BC 3690 ± 120 BP 2163 ± 122 BC R. xiii, 1971, 159-66 BM-342 Thebes, tomb 386, XI-XII ihid

* E. S. Deevey et al., 1965. Radiocarbon measurements † W. F. Libby, 1955. Radiocarbon dating (and edition). nts comprehensive index 1950–1965 (New Haven).

These dates agree better with the high historical chronology for dynasty XII, c. 2155-1947 BC, than with the middle chronology of 1991-1786 BC.

Late Bleventh dynasty

GrN-1155 Deir el Bahri, Mentuhetep II 3720 ± 60 BP 2174 ± 62 BC GrN-1155 Deir el Bahri, Mentuhetep II 2760 ± 110 BP 2185 ± 112 BC GrN-1155 Deir el Bahri, Mentuhetep II or III R. zii, 1970, 287 R. ziii, 1971, 159-66 3660 ± 55 BP 2152 ± 57 BC Deevey, 1967, 36

These late Eleventh dynasty dates are in good agreement with those of the immediately following period. As with the contemporary Ur III dates, they are not conclusive by themselves, but would seem to fit a date after the unification by Nebhepetre Mentuhetep II on the high chronology c. 2205 BC only marginally better than the middle chronology c. 2160 BC. Carbon dating, is because of its tolerance, not suited to clinch chronological points of this finesee.

Old Kingdom

BM-82 Abusir, pyramid of Neferirkare 3950 ± 150 BP 2571 ± 152 BC R. iii, 1961, 40 Tolerance too wide for precision.

BM-332 Giss, rope from funerary ship of Khufu. 3990 ± 105 BP 2613 ± 107 BC R. ziii, 1971, 159-66

P-216 Dehehur, south pyramid of Senefru 4082 \pm 102 BP 2850 \pm 102 BC R. i, 1959, 448

This dete fits reign of Senefru on high chronology, c. 2850-2825 BC, much better than c. 2589-2567 BC of the middle chronology.

Zeer period, early Third dynasty, c. 2940-2900 BC

A-a19 Zoser, Step pyramid

4340 ± 150 BP
TF-567 Zoser, Step pyramid, acacia wood 4180 ± 80 BP
TF-568 Zoser, Step pyramid, sycamore
BM-508 Zoser period. Saqqara T. 3518 2971 ± 152 BC R. iv, 1962, 248 2940-2920 ± 82 BC R. zvii, 1975, 221 2910-2860 ± 52 BC ibid fax rope 4106 ± 50 BP 2852 ± 62 BC ibid

Two Late Second dynasty detes may be added to this group:

BM-232 Seqqera T. 3046 R. xi, 1969, 282 4330 ± 65 30 2971 ± 67 BC UCLA-1204 same tomb 4190 ± 60 BP 2940-2930 ± 62 BC R. ix, 1967, 492

These six dates are internally consistent and more compatible with the high chronology here proposed than with a middle chronology of 2667-2648 for Zoecr.

Late Second dynasty dates for pillaging and destruction from the First dynasty tombe at Saggara? BM-228 Seggers, Ahe (T. 3357) 4300 ± 65 BP 3010-3110 ± 67 BC R. xi, 1969, 281

EGYPTIAN AND NEAR EASTERN CHRONOLOGY

UCLA-1201 Saggara, Merneit	(T. 3503) 4290 ± 60 BP	2990-3110 ± 62 BC	R. ix, 1967, 493
BM-319 Saqqara Wadji	(T. 3504) 4225 ± 60 BP	2970-2950 ± 62 BC	R. ix, 1967, 493
BM-320 Saqqara Wadji	(T. 3504) 4206 ± 80 BP	2960-2930 ± 82 BC	R. ix, 1967, 493
UCLA-1202 Saqqara Hemaka	(T. 3035) 4235 \pm 60 BP	2970 ± 62 BC	ibid., 492
BM-231 Saqqara Kaa	(T. 3505) 4270 ± 65 BP	2980-3110 ± 67 BC	R. xi, 1969, 281
UCLA-1203 Saggara Kaa	(T. 3505) 4140 ± 60 BP	2900-2880 ± 62 BC	R. ix. 1060, 402

At first sight this set of dates from the First dynasty cemetery at Saqqara provides ample justification for the middle chronology of c. 3100-2890 BC for that dynasty. There is, however, an equally valid second set discussed immediately below, which cannot be dismissed out of hand. Archaeologically, of course, late and early dates from the same buildings suggest construction and destruction and are by no means surprising. The excavator of the cemetery, Emery, has pointed out that plundering and deliberate destruction by fire happened to this cemetery (and others like Abydos and Negade, for which we have no radiocarbon dates) during the religious reforms of the reign of Peribsen and perhaps the subsequent rising of Lower Egypt in the reign of Khasekhem. Comparison with other Second dynasty dates confirms the attribution of these events to the later part of the dynasty on the high chronology, some time between c. 3000 and 2070 BC.

First Dynasty, c. 3400-3200 BC.

GrN-902	Seqqara, Kas	(T. 3505) 4385 ± 70 BP	3161 ± 72 BC	Deevey, 1967, 34
GrN-684	Saggara Den	(T. 3507) 4450 ± 100 BP	3320-3210 ± 102 BC	Science, 127, 1958
P-314	Saggara Den	(T. 3507) 4447 ± 150 BP	3310-3210 ± 150 BC	R. i, 1959, 48, 137
BM-229	Saggara Merneit	(T. 3503) 4520 ± 65 BP	3374 ± 67 BC	R. xi, 1969, 281
TF-563	Saqqara Hemaka	(T. 3035) 4580 ± 60 BP	3382 ± 62 BC	R. zvii, 1975, 221
BM-321	Saqqara Wadji	(T. 3504) 4496 ± 80 BP	3340-3240 ± 82° BC	R. xiii, 1971, 160
P-215	Seqqara Wadji	(T. 3504) 4594 ± 91 BP	3520-3410 ± 93 BC	R. i, 1959, 48
UCLA-1200	Saggara Aha	(T. 3357) 4500 ± 60 BP	3340-3250 ± 62° BC	R. ix, 1967, 493
TF-563a	Saqqara Hemaka	(T. 3035) 4585 ± 60 BP	3380 ± 62 BC	R. zvii, 1975, 221
TF-563b	Seggers Hemaks	(T. 3035) 4550 ± 60 BP	3370 ± 62 BC	ibid
TF-563c	Seqqara Hemaka	(T. 3035) 4485 ± 60 BP	3330-3220 ± 62 BC	ibid

Allowing for the inconsistencies in radiocarbon results obtained from wood, reeds, etc., to be expected in robbed and disturbed tombs, the series of dates falls between c. 3400 and 3200 mc, which is in full accordance with the proposed high chronology. Moreover, two of these dates, marked with an asterisk, are the same as one for the end of the Uruk period at J. Aruda (p. 15) and it is astisfactory that both point to the beginning of the First dynasty, in the reigns of Aha and Wadji. These dates suggest that the First dynasty began c. 3400 mc, and not c. 3100 mc as suggested by the middle chronology, and this is independently suggested by the Mesopotamian synchronism discussed above, as well as by new Palestinian evidence, critically presented by Callaway and Weinstein.

PALESTINIAN EVIDENCE AND EGYPTIAN CORRELATIONS

Archaeological research in recent years has established that EB Ic of Palestine (earlier referred to as EB I or EB Ib) is equivalent to the period from King Scorpion to the reign of Wadji (Djet), whereas EB IIA and B cover the later First dynasty from Den onwards and the Second dynasty respectively. EB IIIA equals the Third dynasty, and EB IIIB covers the period of the Fourth, Fifth and Sixth dynasties ending perhaps in the reign of Pepi II. These subdivisions are given greater precision by some 20 radiocarbon dates, many of which allow firm correlations with similar dates from Egypt.

			suge			an Leaf	. <i>DASOR</i> , 325, 1977, 1–14
EB III	BM-553	Jericho	XVIII	3922 ± 78	BP	2540-2520 ± 80 BC	Pepi I, c. 2538-2515 BC
	BM-552	Jericho	zvii	4115 ± 39	BP	2850 ± 40 BC	Snefru, c. 2850-2825 BC
	BM-550	Jericho	zvi	4126 ± 50	BP	2870-2850 ± 50 BC	Huni, c. 2885–2850 BC
	BM-548	Jericho	xiv	4175 ± 48	BP	2920 ± 50 BC	
	BM-549	Jericho	XA	4204 ± 49	pp.	2940-2920 ± 50 BC	

ANTIQUITY

EB Ib	I-?	Arad IV	4600 ± 220 BP	3380 ± 230 BC	·
	P-2303 I-?	Ai, early EB IC Ared III	4550 ± 60 BP 4585 ± 220 BP	3370-3350 ± 60 BC 3380 ± 230 BC	Aha and Djer
BB Ic	BM-393 BM-392	Areini V Areini V	4450 ± 140 BP 4470 ± 140 BP	3310-3190 ± 140 BC 3320-3210 ± 140 BC	Djet, c. 3325-3300
	W-916 BM-391	Areini IV, end Areini IV, end	4410 ± 250 BP 4430 ± 140 BP	3170 ± 260 BC 3180 ± 140 BC	
	BM-380	Areini IV, end	4400 ± 130 BP	3160 ± 130 BC	c. 3200-2950
	P-2304 BM-388	Areini IV, end	4340 ± 130 BP	3140-3110 ± 130 BC	Second dynasty
RB II	Tx-2372 P-2304	Ai Ai	4330 ± 80 BP 4360 ± 60 BP	3140-3030 ± 80 BC 3150 ± 60 BC	
carly	Tx-2371	Ąį	4310 ± 130 BP	3110-3010 ± 130 BC	
	P-2054s	Arad II, end	4225 ± 57 BP	2960-2930 ± 60 BC	
	P-2300	Ai V, end	4250 ± 60 BP	29/0 ± 00 BC	2950
	P-2301	AiV, end	4270 ± 70 BP	2990-2970 ± 70 BC 2970 ± 60 BC	Khaeekhemwy, c. 2975-
EB II	P-2299	Ai V, end	4200 ± 70 BP	2940-2920 ± 70 BC	Zoeer, c. 2940-2900
end of	BM-390	Areini I end	4200 ± 130 BP	2940-2920 ± 130 BC	_

To this list of Palestinian C14 dates I have added, very tentatively, the reigns of certain Egyptian kings with dates they would occupy on my high chronology. Since the discovery of Egyptian pottery at several sites in Southern Palestine, including, at Ein Besor near Gaza, scalings of the reign of Den (c. 3300-3250/40 BC), the old idea of mere trade is no longer tenable and Egyptian invasions and occupation must also be envisaged. It is perhaps no coincidence that many of the Palestinian radiocarbon dates, from burnt buildings, point to the reigns of powerful Egyptian kings, who may well have interfered, directly or indirectly, in Pulostinian affairs, even if direct evidence from Egypt itself is still lacking. In view of the rarity of historical evidence from Egypt for relations with its neighbours the value of this negative evidence is doubtful. However that may be, the South Palestinian C14 dates are directly comparable with those of Egypt, serving to correlate relations between the two countries and support the high chronology here proposed.

CONCLUSION

The study of the development of ancient civilizations in Egypt, the Near and the Middle East—and indeed anywhere else in the world—requires a uniform time scale, not a set of varying and conflicting chronologies such as we have to contend with at present. Among historians the so-called middle and low chronologies enjoy most support, and archaeologists deprived of an historical chronology make extensive use of carbon dating, usually still in uncalibrated form, as this is thought to produce results closer to the middle chronology. Not surprisingly, conflicts in interpretation are rampant, and it is high time that attempts should be made to solve this apparent dilemma.

In the preceding pages I have tried to show that there are unsatisfactory aspects of the middle chronology, both in Egypt and Mesopotamia, that can be resolved by adopting a high chronology. Such changes are necessary, whether one believes in radiocarbon dating or not. A confrontation of the calibrated radiocarbon record with the historical middle and high chronologies shows an incompatibility of the calibrated carbon dates with the middle, but not with the high chronology. There is therefore no reason to ignore calibrated C14 dating, or to demand that the physicists adjust their dating to the middle chronology and one attempt to do so by McKerrell has rightly bees rejected by the physicists as not justified (see R. M. Clark, Archaeometry, 20, 1978, 16).

The so-called dilemma then is a myth, a creation of the supporters of the middle and low chronologies. These have served us long enough and not too well as an interim tool. Most tools need sharpening over the years and finally replacement. I believe the time has come to discard them, and concentrate instead on a high chronology supported by calibrated radiocarbon dating which should, with the necessary improvements and adjustments, provide us at last with a valid and uniform time scale.

	n is a mid d us I d. Moo hally rethrough chron on da	s as not justified (m		tes in		ned to sh	ve his	ed form, as	Aha and Djer	Djet, c. 3325-3300	70	econd dynasty	950	Khasekhemwy, c. 20%	, c. 2940-2900	
			<u> </u>													
B.C.	OWNER EGYPT	SYBLOS	JORDAN LB I	SYRIA -AMUQ SEQUENCE()	MALAT	YA-	CANATOLIA	MARI	ASSYR	14	BA	BYLON	<u> </u>	4	ELAM SUSA	A.C.
-1650 -1600	MAT AMMOSE I SUCTESSORS SECREMENTS APOPHIS I	1			LBI		KINGDOM								*	1550
-1650	AVE N RHYAN (& MINGS)		8 (NC)	MB III ALALAKH VI (AL)			TELEPINU		1		KASSITE PERIOD	KASSITES				- 1650 - 1650
-1700	S NEW HEPZSHAE		MBII				MUZZIYA AMMUNA ZIBANTA NANTILI	HASSITE					5	SA:		1700
-1750	S SEMOEN		mb II	MITTITE CONQUEST			MURSILI I	KINGS		Ì	Α.	SAMSU-DITAN	. 2 -	NASH		-1750
1800	(SELECTED KINGS)	BABTOR	E O E (#3)	MB II YAMKHAD	мвл		LABARNA MM? RULTEPI	KHANA			M O R		8		KINGS OF	-1800
-1850 -1900	XIII 4.000 SEBPCHETEP PV 4.1000 NEFERHETEP I	(ACA) THAISSINE WATER AC		ALALAKH			ANITTA IA	1	M1-A6		į	· · · · · · · · · · · · · · · · · · ·	Y	#40	SUSA	- 1850
1950	SENTTEMBRE TE SENE LINE TEP 1 SENE LINE TER 1 SENE AMERIE MINAT TV -	WEN-EIM		YARIM-LIM			MARIANUT	ZIMRI-LIM SMAMSI-ADAL IAMBUNI-LIM	WANTS SHARES	4040	E	HAMMURAS!	· i _		RHUPRAKAR	Liesal
-2000	AMENEMMAT III	ASI-SHEAD ASI-SHEAD MARKETTO	*EXECRATION				LABAREA II		SARGO		, E		A `	.1980	SHILKHARHA SPARTI HI	2000
-2050	XII SOAS SEN-WESAEY E	(DATHA (DATHA (NO) MARTO	TEXTS'	MB (K)	MBI		.3040	ł	ERISHU ILUSHU			SO32 SUMUABUM	N SUNGU		2046 INDATTU B 2074	-2050
2100	SEN-WESRETT	(STELOL (STELOL	MBI (IIA)	KINGS OF EGLA			in n				e o	151N-			2074	-2100
-2150	SIGI MENTURE EPTV	BYBLOS VII		IBBIT-LIM IBBISH-REP IBURA INI-DAGAN	<u> </u>		1V	PIZUR-BAGAN PIZUR-BHTAI NIWAR-MER ELUM-ISHTAR	2 SULILI			2143 2166 IBBI-SUEN 2178 SHU-SUEN 2184 AMAR-SUENA		62	LU LUHHA GIRNAMME	2150
	MERINARE 2334 MERINARE	IBDATI	'с'	GURA ILI-DAGAN IZI-INBAGAN KURBILAX MEMESHURA				ISOTUP-ILUM	ZANQUI ASSUR E	V	UR III	SHULGI	-		IVC	-2200
H (KHETY III X PHTEF II 2200 HITEF]	JAR-XM BYNASTY) TRADE	EB IV	EB IVB	EBIV		EB IVB	APIL-KIN	┼──	+	LAGASH	2250 UR-MAMMU UR-MINGIRSU GUDEA 2286 UR-BABA	UTU -KNI	GAL	SIMASHRI	2250
-2300	IX KNETY II (SKINGS)		(MBI) (EB/MS) 'A'A'B'	(2)	(IIIA) MALATYA-I	ELAZIĞ	(EBIIIA) (ALIŞAR III) CAPPADOCIAN		BUT!/	VII.	11	2327 LUGAL USHUL 2327 SHARKALI-SH 2352		171	IVB	-2300
-2350 -2400	2365 VII-VIII (13 KINGS) 2800 (2 KINGS)	BYBLOS	^**	KINGS OF EBLA	PAINTED NO DNA BH SONOW		WARE CLIMAK		ASSUR SAWRA V		AGADE	2300 MANISHTUS			KHITA IV	1
-2450	MEFERKARE PEPI Z	* Alios	TRADE WITH	EBIVA !BBI-SIPISH			A (KANESH)(HATTI)	HU-SHAR	**************************************	']	A0/10/2	3414 RIMUSH SARGON		芒	EPIRMUPI MHSMEP-RATE LUKH-ISHSHA	
-2500	VI SASS WERENKE	i	EBLA	(1) IBRIUM AR-ENNUM	EBIVA (IIIA)		EBIVA (EB36)	EHNA-DAGAM	DUDDIA	N	· · · · · · · · · · · · · · · · · · ·	LUGALZAGO URUKARINA LUGALANDA ENETARZI ENENATUM I	isi	ļ	KURKEU-SMAT TOM	2500
-2550	PEPI I 2637 7871	x x	UMI'S CAMPAIGNS	PEPI IRKAB-DAMU MRISH-KHALAM			NOROZTEPE	IGLUL-IL I	ASSUR G	- 1	LATE EDILIB	NATUM I NANATUM I 2650 HANATUM I		- Y	S KINGS	2550
-2600	2800 WENIS	x Expedition				FULUR	EBIIIB	SHALIM			EARLY	2590 AKURGAL		尴	PELI	2600
-2650	V MENKAUHOR						(EB 3c)	ANSUD PP		4	RT.UR	SURNANSHE MESANI AKALA	MDUG		m D	2650
2700	V MENKAUHOR MEUGEARE 9600 MEUGEARE 9600 MERMANAN 6,2725 MENEMANAN 1,725 MENEMANAN 1,725 MENEMANAN 1,725 MENEMANAN	* depodition	EBIIIB	EB III (H)	EB 11 (118)		ALISAR IS AND HE PAINTED POTTERY]		1	EDINA	2600 MESKA	LAMDU	5	(Dc)	2700
2750	1761 MEHRAURE			KHAEFRE (EBLA).			EBIII A (EBII) (ALIŞAR IB)		T. GAWE						-	2750
-2800	MHUFU	x Expedition		INNERAS (SECT)	TRANSCAUC MONOCHRO AND LOCAL PAIR	DM E	(ALIŞAR IB) ALAÇA HÖYÜK ROYAL TOMBS	MARI PP2	7. GAWE	Ī		2780 AGGA (ÓILGAI 2800 ENMESARAGI LUGALS	E1 j	ARKA	inc 3	2800
-2850	2850 2850 SENEFERU HUNI	RIDOR, LAPIS			LOCAL PAIR	NTED	ROTAL TOMBS			1	EDII	DUMUZ EMMER	KAR C	1.7	(DE)	2850
-2900	200 'ZOSER'		EBIILA	IRBET KERAH WARE					TGAWRA	П		F100D Fether o		ALL	-	2900
3000	2978 KHASEKHEMWY	¥		THE PROPERTY OF THE PARTY OF TH				MAR! PP3		X	EDI	FIRST DYNASTY		A	111 B	1 1
2060	SONE PERISEN		EBIIB .	EBIIB		Vin	EBIIB (ALIŞARIB)	?	VIIIA	₹		OF KISH (LEGENDARY)	I.		(Da)	3000
3100	II 3035 WENEG NYMETJER			(LATEG)	DISAPPEARAI SYRIAN & CAN	ARCHAN				ᆸ				ΙB		3050
3150	RANEB BIGO	BYBLOS				Z Z		TELL	ĺ	П			1	NNA NNA	, >	-3150
3200	£3200 S200	v	£6.11+	.		ANSCAUCASI.		BRAK	VIUB	Z	WARKA		A3 I	ILA	(Cc)	3200
-3250	3226 TERRENCIET 3250/40 AMEDJIB DEN		EB IIA	EBIIA (MID-G)	EBIIA (EBI)	NASC.	EBIIA (EBI, ALISAR H-12	EVE,	1	4	UEMDET	İ	A2 11	IΒ	III A	-3250
-3300	BROO WADJET		ESYPTIANS IN ECOASTAL PLANS		SYRIAN &	1 E	OR ALISAR IA) 'FRUITSTANDS'	WHITE,	VIIIC	¾	NASR)			_	(сь)	3300
3350	BJER †		EBIC	DISAPPEARANCE OF SUMERIAN COLUMES		ž Ž		GREY	\	٥			A1 [IIC	1	-3350
3400	NARMER		(EBI)	SUMERIAN COLONIES SUMERIAN COLONIES ON EUPHRATES FROM HABUSA KEBIRA			l	AND	 	+	$\neg \top$		В	5	1	3400
3500	OF SCORPION'	FIRST		PROM HABUSA KEBIRA TOTAURUS MTS 160 YEARS?	URUK, GAWRA IMPORTS	X) EB		RED	IX		×Υ		!!	/A 3	,	3450
-3550	LOWER EGYPT	URBAN	T. JAWA	-3550	IMPORTS	(ONIX)		TEMPLES			2		С	2		3500
3600	;	BYBLOS	EBIB	EBIB	EBIB	(TRANSCAUCASIA	EBIB		X LAPIS LAZU	ր	LATE U	WRITING	D N	/B	LATE	3550
3650		'V	ROTO-URBAN B)	(EARLY G)	ARSLANTEPE VII	CAUC	ALISAR IS-19 YARIKKAYA				¥		E IV	/c	(Ca)	3650
-3700					(AMUQF)	RANS			XI		, N			v		3700
-3750	GERZEAN_ (NAQADAII)					٤				+			- V	71	11	3750
3800	1								AIX.	1.	MIDDLE			хj	MID	-3800
3850	į	BYBLOS	EBIA PROTO-URBAN	EBIA (F)	EBIA (F)		EBIA	İ	XIIA	1	URUK		K X	1	and EARLY	-3850
3900	{}	CEMETERY (F)	Α)		(LATE CHALCOLIT	MIC)	GÜLLÜCEK			+			L X	-1	URUK	-3900
-3950 -4000	SD.40 LAPIS LAZULI								XII	1	URUK		X	- 1	(B) 1	3950
4060			HANGE MUSICION				?			\dagger			1	+		-4000
4100	AMRATIAN			1470					XIII				x	٧		4060
4150	(NAQADAI)		BEERSHEBA LATE GHASSULIAN	TELL ESH SHEIKH WARE				LATE UBAID	PIRST LAZUL 1	, [LATE UBAID			k	I ATE UBAID	-4160 -4160
4200				UGARIT III B							- 1				SUSA A)	-4200
molani	al table for Esunt Ma		اــــــا د ـ وسم ما				<u></u>			上		· · ·		L	1	- 1
	al table for Egypt, Mes	-y-viant		secont countrie	s, based o	m a	High Chrono	logy which	is in su	bst	ntial a	reement with	colib	rati	ed CIA	latina

PIRST MIDDLE INTER— NEW INTER— KINGDOM MEDIATE KINGDOM PERIOD					RONOI.OGICA	AL CHART			ION (OF Al	NCIENT EGYPT	
PERIOD 20	65 178	35 I5 80	0 108	5 950) 7'	7 51 66	3 52°	5 3	98 3	4I 33	3 30 B.C.	
VII - XI	XI - XII	XIII - XVII	XX - IIIAX	IXX	XXII - XXIV	XXV	IAXX	IIVXX	XXX		B.C.	
Herakleopolis Thebes	Thebes	Thebes Avaris	Thebes	Thebes Tanis	Thebes Bubastis	Napata Thebes	Sals	Memphis			Alexandria	
KHETI I KHETI II (Herak- leopo- litan) INTEF (Theban)	MENTUHETEP II MENTUHETEP III AMENEMHAT I SESOSTRIS I SESOSTRIS III	SALATIS KHIAN SEKENENRA KAMES	TUTHMOSIS II TUTHMOSIS II HATSHEPSUT TUTHMOSIS III AMENOPHIS III AMENOPHIS III AMENOPHIS IV HOREMHAB	Priest- kings at Thebes HERIHOR PINODIEM I Rulers at Tanis SMENDES	LIBYANS SHASHANK OSORKONS & TAKELOTS XXIIIND at Bubastis XXIIIIND at Thebes	ETHIOPIANS PIANKHI SHABAKA TAHARKA Three Assyrian invasions	SAÎTES PSAMMETI- CHUS I NEKO AMASIS	PER- SIANS CAMBY- SES DARIUS I XERXES ARTA- XERXES DARIUS	des and Seb- enn- ytos	MI- NA- TI- ON AR-	PTOLEMIES ALEXANDER THE GREAT PTOLEMY LAGOS PTOLEMY II Philadelphos PTOLEMY III Euergetes PTOLEMY V Epiphanes	
Complete disintegra- tion of state ma- chine in Delta and Lower Egypt. Anarchy, civil war, Bedouin in- vasion. Ultimate victory of Theban war- lords.	Wise and temperate rule by gifted monarchs. Prosperity tempered with restraint. Emphasis on law and civic morelity. Expansion into Asia and Nubia. State structure inexplicably disintegrates.	Hyksûs invaders rule in Delta and Lower Egypt until ejec- ted by Thetan nomarchs. Hyksûs on the whole amiable and adaptable.	THE EMPIRE Egypt rules from Nubia to the Euphrates. Apogee under Tuthmosis III. Decline under Tuthmosis IV. Temporary resur- gence under Horemhab, Ramses II and Ramses III.	Country sundered. Cult of Amon ex- ploited at Thebes for poli- tical ends. Tomb- robbery.	Libyans descended from merce- naries. Military dictators. Dynasty divides, to be followed by rise of petty dynasts.	Two in- cursions, under Piankhi and Shabaka. Esarhad- don and Ashurba- nipal lead Assyrian invasions	Egypt re- covers with assistance of Greek mercena- ries. Greek colo- nies at Naucratis and Daphnae. Flourishing overseas trade	con- struc- tive rule. Amyr- tis frees rest-	only local power	Cru- el and pre- de- tory ocs- upa- tion.	Era of great affluence for Greek rulers and their fellows. Native Egyp- tians of all classes dis- regarded and reduced to penury.	
Destruction of buildings by mob- violence.	Temple of Mentu- hetep I. Amenemhat I builds 'Wall of the Prince 'across the Delta. Sesostris III and Amenemhat III colonize the Fayum.	Negligible. Hyksôs construct fortified camps.	Valley of the Kings. Temples of Hat-shepsut and Seti I Luxor and Karnak. City of Akhetaton. Ramasseum, Abu Simbel and other edifices of Ramses II. Medinet Habu.			Nubians evolve provin- cial style of Napata and Meroe.	Tombs and temples modelled on ancient originals. Precursor of Suez Canal begun	Great temple of Zeus- Ammon.			Energetic religious and secular buil- ding along rigidly orthodox lines. Temples of Dendera, Kom Ombo, Philae, Edfu, etc. City of Alexandria.	
Development of different artistic traditions in rival divisions of country.	Impressive port- rait statues. Austere Theban, lush Memphite art. Exquisite examples of jeweller's art, especially from Dahshur and Illahun.		art, showing in	indust- rial us	e		Artistic Renaissance Passion for reproducing art of earlier epochs. Extraordi- nary tech- nical virtuosity.	A	emain radit:	skili ional		
Origins of pessimistic literature.	Coffin Texts. Classic period of prose and poetry. Didactic literature. Early scientific	Literary activity unimpaired by invasion.	Book of the Dead, Voluminous mass of literary and	Sumptuou hieratic papyri.			Antiquarien revival of ancient literary fashions.	t.	and execution the life and character had them.		đ.	

INTEF (Theban)			SETT T	Rulers at Tanis SMENDES	Thebes	invasions			NEC- TA- NEBO I	ON AR- TA- XER- XES III	PTOLEMY V Epiphanes
Complete disintegra- tion of state ma- chine in Delta and Lower Egypt. Anarchy, civil war, Bedouin in- vasion. Ultimate victory of Theban war- lords.	Wise and temperate rule by gifted monarchs. Prosperity tempered with restraint. Emphasis on law and civic morality. Expansion into Asia and Nubia. State structure inexplicably disintegrates.	Hyksôs invaders rule in Delta and Lower Egypt until ejec- ted by Thetan nomarchs. Hyksôs on the whole amiable and adaptable.	Euphrates. Apogee under Tuthmosis III. Decline under Tuthmosis IV.	Country sundered. Cult of Amon ex- ploited at Thebes for poll- tical ends. Tomb- robbery.	Libyans descended from merce- naries. Military dictators. Dynasty divides, to be followed by rise of petty dynasts.	Two in- cursions, under Piankhi and Shabaka. Esarhad- don and Ashurba- nipal lead Assyrian invasions	assistance of Greek mercena- ries. Greek colo- nies at Naucratis and Daphnae. Flourishing Overseas	con- struc- tive rule. Amyr- tis frees rest-	Weak dy- nasts with only local	Cru- el and pre- de- tory ocs- upa- tion.	Era of great affluence for Greek rulers and their fellows. Native Egyp- tians of all classes dis- regarded and reduced to penury.
Destruction of buildings by mob-violence.	Temple of Mentu- hetep I. Amenemhat I builds 'Wall of the Prince 'across the Delta. Sesostris III and Amenemhat III colonize the Fayum.	Negligible. Hyksôs construct fortified camps.	Valley of the Kings. Temples of Hat-shepsut and Seti L Luxor and Karnak. City of Akhetaton. Ramasseum, Abu Simbel and other edifices of Ramses II. Medinet Habu.			Nubians evolve provin- cial style of Napata and Meroe.	Tombs and temples modelled on ancient originals. Precursor of Suez Canal begun	Great temple of Zeus- Ammon.		l	Energetic religious and secular buil- ding along rigidly orthodox lines. Temples of Dendera, Kom Ombo, Philae, Edfu, etc. City of Alexandria.
Development of different artistic traditions in rival divisions of country.	Impressive portrait statues. Austere Theban, lush Memphite art. Exquisite examples of jeweller's art, especially from Dahshur and Illahun.	Introduction into Egypt of the horse and the chariot.	Luxurious domestic art, showing in many cases strong Asiatic influence. Amarna artistic interlude. Treasures from tomb of Tutankhamon. Replacement of copper by bronze tools.	First indust- rial use of iron.			Artistic Renaissance Passion for reproducing art of earlier epochs. Extraordi- nary tech- nical virtuosity.	Incredit import of Great Styles		ul and in form n, but	
Origins of pessimistic literature.	Coffin Texts. Classic period of prose and poetry. Didactic literature. Early scientific documents, embodying Pyramid Age researches.	Literary activity unimpaired by invasion.	Book of the Dead, Voluminous mass of literary and official papyri.	Sumptuous hieratic papyri.			Antiquarien revival of ancient literary fashions.				
Sudden popular upsurge of Osirianism. Theban war- lords ad- vance the cause of Amon-Ra.	Rise of Amon-Ra. Royalty acknow- ledges the popular appeal of Osiria- nism and to some extent offsets it by intensification of the sun-cult.	Inspiration of Amon-Ra an important factor in the war of liberation.	Amon-Ra supreme as national god, Short heretical interlude of worship of the Aton, ultimately inspired by royal relations with Asia.	Political supremacy of Amon- Ra.		Cult of Amon-Ra intensi- fied by pious Nubians.	Exotic gods banished. Special honours accorded to earliest deities.	Religion becomes a matter of convention and formalization.		nvention	
Disruption of contacts with foreign countries.	Expansion into Palestine and Nubia. Trading contacts with Byblus, Crete and Punt. Rise of Hittite Empire. First Dynasty of Babylen. Hammurabi.	Kassites, Hurrians and Mitannians active in widespread folk- movements,	THE EMPIRE Rise and fall of Minoan culture. Rise of Ashur. Apogee and de- cline of Hatti. Sack of Troy. Onslaught of the Sea People. Mycenae.	Egypt loses all influence or con- trol in Asian affairs,		of Assyrians	and quickly	Darius at Mara- thon	attemp abor tive cam- page	ts r- e	Persian power shattered by Alexander at Issus. Egypt becomes a Roman province after death of Antony and Cleopatra.
		Bronze Age begins c. 175	50					Iron	\ge		

begins c. 1750.

Iron Age begins c. 500.

		Gerzean Gerzean Nagaadian THE DIVINE DYNASTY KING SCORPION "		TETI PEPI I PEPI II	INTEP (Theban)			HOREMHAB SETI I RAMSES II RAMSES III
•	MAIN POLITICAL EVENTS	Following climate- crash and desic- cation of North Africa, African and Asian strains coalesce in Nile valley c.6000 B.C. Invasion of Upper by Lower Egypt (Horus conquers Seth) c.4245 B.C. Invasion of Lower by Upper Egypt, just before c. 3000 B.C.	Early Dynastic kings rule first from their own city of This, near Abydos, then move to Memphis. Civil and religious institutions and ceremonies rapidly assume the form they will maintain throughout Dynastic history.	Rigid hierarchi- cal and central- ized government. Rule of a regi- mented peasantry by a rich and gifted oligarchy. Sacerdotal autho- rity becomes paramount in Dynasties V and VI.	Complete disintegra- tion of state ma- chine in Delta and Lower Egypt. Anarchy, civil war, Bedouin in- vasion. Ultimate victory of Theban war- lords.	Wise and temperate rule by gifted monarchs. Prosperity tempered with restraint. Emphasis on law and civic morality. Expansion into Asia and Nubia. State structure inexplicably disintegrates.	Hyksûs invaders rule in Delta and Lower Egypt until ejec- ted by Thetan nomerchs. Hyksûs on the whole amiable and adaptable.	THE EMPIRE Egypt rules from Nubia to the Euphrates. Apogee under Tuthmosis III. Decline under Tuthmosis IV. Temporary resur- gence under Horemhab, Ramses II and Ramses III.
	GREATNESS AND DECLINE							
•	ARCHI- TECTURE	Mud-brick and light wooden structures, reaching high degree of sophistication, Silos for grain, Cattle compounds,	Brick Mastabas. Large wooden and brick temples and palaces. Royal Tombs at Abydos.	Step Pyramid. Stone Mastabas. THE PYRAMID AGE Sun temples.	Destruction of buildings by mob- violence,	Temple of Mentu- hetep I. Amenemhat I builds 'Wall of the Prince ' across the Delta. Sesostris III and Amenemhat III colonize the Fayum.	Negligible. Hyksôs construct fortified camps.	Valley of the Kings. Temples of Hatshepsut and Seti I Luxor and Karnak. City of Akhetaton. Ramasseum, Abu Simbel and other edifices of Ramsset II. Medinet Habu.
	CULTURAL AND ARTISTIC PURSUITS	Stone and clay vessels of fine decoration, design and execution. Superb stone weapons, tools and palettes. Woven mats and garments. Very restricted use of copper.	Evolution of complex network of canals and dykes. Development of architectural techniques. Carpentry reaches a high level of attainment. Increased use of copper.	Intensification of building activities. Use of stone and realization of its innate qualities. Magnificent statuary.	Development of different artistic traditions in rival divisions of country.	Impressive port- rait statues. Austere Theban, lush Memphite art. Exquisite examples of jeweller's art, especially from Dahshur and Illahun,		art, showing in
	LITERATURE	drawings and pictographs on	Formative period of hieroglyphic writing. Fragmentary inscriptions.	Pyramid Texts. Some official documents.	Origins of pessimistic literature.	Coffin Texts. Classic period of prose and poetry. Didactic literature. Early scientific documents, embodying Pyramid Age researches.	Literary activity unimpaired by invasion	Book of the Dead, Voluminous mass of literary and official papyri.
·a	RELIGION	Formative era of Osirian and other myths. Nome gods in form of tribal fetishes. Animism. Totemism.	Formulation and rivalry of dogmas of Heliopolis, Hermopolis and Memphis: Ra-Atum, Thoth and Ptah. Anthropomorphic and intellectual gods emerge.	Triumphal ascendancy of doctrine of Heliopolis. The Royal Doc- trine. Survival after death a royal prerogative.	Sudden popular upsurge of Osirianism. Theban war- lords ad- vance the cause of Amon-Ra.	Rise of Amon-Ra. Royalty acknow- ledges the popular appeal of Osiria- nism and to some extent offsets it by intensification of the sun-cult.	the war of liberation.	as national god,
	EVENTS IN ASIA AND THE MEDITERRANEAN WORLD	Early cultures of Mesopotamia exert some degree of influence upon the Nile valley.	Foundation of Mesopotamian dynasties, in particular the First Dynasty of Ur. Beginnings of Trojan and Minoan cultures.	Egyptian colony established at Byblus. Sargon of Akkad. Third Dynasty of Ur.	Disruption of contacts with foreign countries.	Expansion into Palestine and Nubia. Trading contacts with Byblus, Crete and Punt. Rise of Hittite Empire. First Dynasty of Babylen. Hammurabi.	Kassites, Hurrians an Mitannians active in widespread folk- movements.	THE EMPIRE Rise and fall of Minoan culture. Rise of Ashur. Apogee and de- cline of Hatti. Sack of Troy. Onslaught of the Sea People. Mycenae.
	GREAT BRITAIN			Neolithic period begins c. 2500.			Bronze Age begins c. I	750.

	PRE-DYNASTIC PERIOD	THINITE EARLY DYNASTIC OF ARCHAIC PERIOD	OLD KINGDOM	PIRST INTER — MEDIATE PERIOD	MIDDLE KINGDOM	SECOND INTER — MEDIATE PERIOD	NEW KINGDOM
DATE B.	c. 3300	277	78 23	300 200	55 178	35 15 8	0 108
DYNASTY		I - II	III - VI	VII - XI	XI - XII	XIII - XVII	XVIII - XX
CAPITAL	Pe Hierakonpolis	Memphis	Memphis	Herakleopolis Thebes	Thebes	Thebes Avaris	Thebes
LEADING PHARAOHS	NEOLITHIC and ENEOLITHIC culture MERIMDEAN Fayumic Maadian TASIAN BADARIAN Amratian Gerzean Nagaadian THE DIVINE DYNASTY "KING SCORPION"	NARMER (MENES) AHA WEDIMU PERIBSEN KHASEKHEMUI	ZOSER SNOFRU CHEOPS CHEPHREN MYCERINUS SAHURA NIUSERRA UNAS TETI PEPI I PEPI II	KHETI I KHETI II (Herak- leopo- litan) INTEF (Theban)	MENTUHETEP II MENTUHETEP III AMENEMHAT I SESOSTRIS I SESOSTRIS III	SALATIS KHIAN SEKENENRA KAMES	AHMOSIS AMENOPHIS I TUTHMOSIS I TUTHMOSIS II HATSHEPSUT TUTHMOSIS III AMENOPHIS III AMENOPHIS III AMENOPHIS IV HOREMHAB SETI I RAMSES III RAMSES III
MAIN POLITICAL EVENTS	Following climate- crash and desic- cation of North Africa, African and Asian strains coalesce in Nile valley c.6000 B.C. Invasion of Upper by Lower Egypt (Horus conquers Seth) c.4245 B.C. Invasion of Lower by Upper Egypt, just before c. 3000 B.C.	Early Dynastic kings rule first from their own city of This, near Abydos, then move to Memphis. Civil and religious institutions and ceremonies rapidly assume the form they will maintain throughout Dynastic history.	Rigid hierarchical and centralized government. Rule of a regimented peasantry by a rich and gifted cligarchy. Sacerdotal authority becomes paramount in Dynasties V and VI.	Complete disintegra- tion of state ma- chine in Delta and Lower Egypt. Anarchy, civil war, Bedouin in- vasion. Ultimate victory of Theban war- lords.	Wise and temperate rule by gifted monarchs. Prosperity tempered with restraint. Emphasis on law and civic morality. Expansion into Asia and Nubia. State structure inexplicably disintegrates.	Thetan nomerchs.	THE EMPIRE Egypt rules from Nubia to the Euphrates. Apogee under Tuthmosis III. Decline under Tuthmosis IV. Temporary resur- gence under Horemhab, Ramses III and Ramses III.
GREATNESS AND DECLINE							
ARCHI- TECTURE	Mud-brick and light wooden structures, reaching high degree of sophistication. Silos for grain. Cattle compounds.	Brick Mastabas. Large wooden and brick temples and palaces. Royal Tombs at Abydos.	Step Pyramid. Stone Mastabas. THE PYRAMID AGE Sun temples.	Destruction of buildings by mob-violence.	Temple of Mentu- hetep I. Amenemhat I builds 'Wall of the Prince ' across the Delta. Sesostris III and Amenemhat III colonize the Fayum.	Negligible. Hyksôs construct fortified camps.	Valley of the Kings. Temples of Hatshepsut and Seti I Luror and Karnak. City of Akhetaton. Ramasseum, Abu Simbel and other edifices of Ramses II. Medinet Habu.
CULTURAL AND ARTISTIC PURSUITS	Stone and clay vessels of fine decoration, design and execution. Superb stone weapons, tools and palettes. Woven mats and garments. Very restricted use of copper.	Evolution of complex network of canals and dykes. Development of architectural techniques. Carpentry reaches a high level of attainment. Increased use of copper.	Intensification of building activities. Use of stone and realization of its innate qualities. Magnificent statuary.	Development of different artistic traditions in rival divisions of country.	Impressive port- rait statues. Austere Theban, lush Memphite art. Exquisite examples of jeweller's art, especially from Dahshur and Illahun.	enariot.	art, showing in
LITERATURE	Oral literature. Rudimentary drawings and pictographs on pots, etc.	Formative period of hieroglyphic writing. Fragmentary inscriptions.	Pyramid Texts. Some official documents.	Origins of pessimistic literature.	Coffin Texts, Classic period of prose and poetry. Didactic litera- ture.	Literary activity unimpaired by invasion	Book of the Dead, Voluminous mass of literary and official papyri.

Early scientific