

The Romans: Chronology

Legendary foundation of Rome: 753 BC

The 'Republic': 509 - 31 BC

Rome sacks **Veii**, the Etruscan capital: 396 BC

Rome defeats the **Samnites** after three wars: 290 BC

Rome takes the southern Greek city of **Tarentum**: 272 BC

Punic Wars with Carthage (1st: 264-241 BC) (2nd: 218-201 BC [**Hannibal**])

Macedonian Wars (1st: 214-205) (2nd: 200-196) (Seleucid: 192-188 [**Treaty of Apamea**])
(3rd: 172-168 BC [**Pydna**]) (4th: 150-148 BC)

Rome sacks **Carthage** after Third Punic War (149-146); also sacks **Corinth** in 146 BC

Rome is bequeathed the Anatolian kingdom of **Pergamon**: 133 BC

Social and **Civil Wars**: 98-31 BC

Battle of **Actium** makes Octavian sole ruler of Rome: 31 BC

The Western Empire: 31 BC - AD 476

The Eastern, or 'Byzantine' Empire: AD 395 - 1453



ROMAN EMPIRE
ca. AD 200

© Chris Nunn 1998

The 'ancient Roman state' lasts for approximately 2000 years. What circumstances or qualities led to that longevity and success? Why Rome?

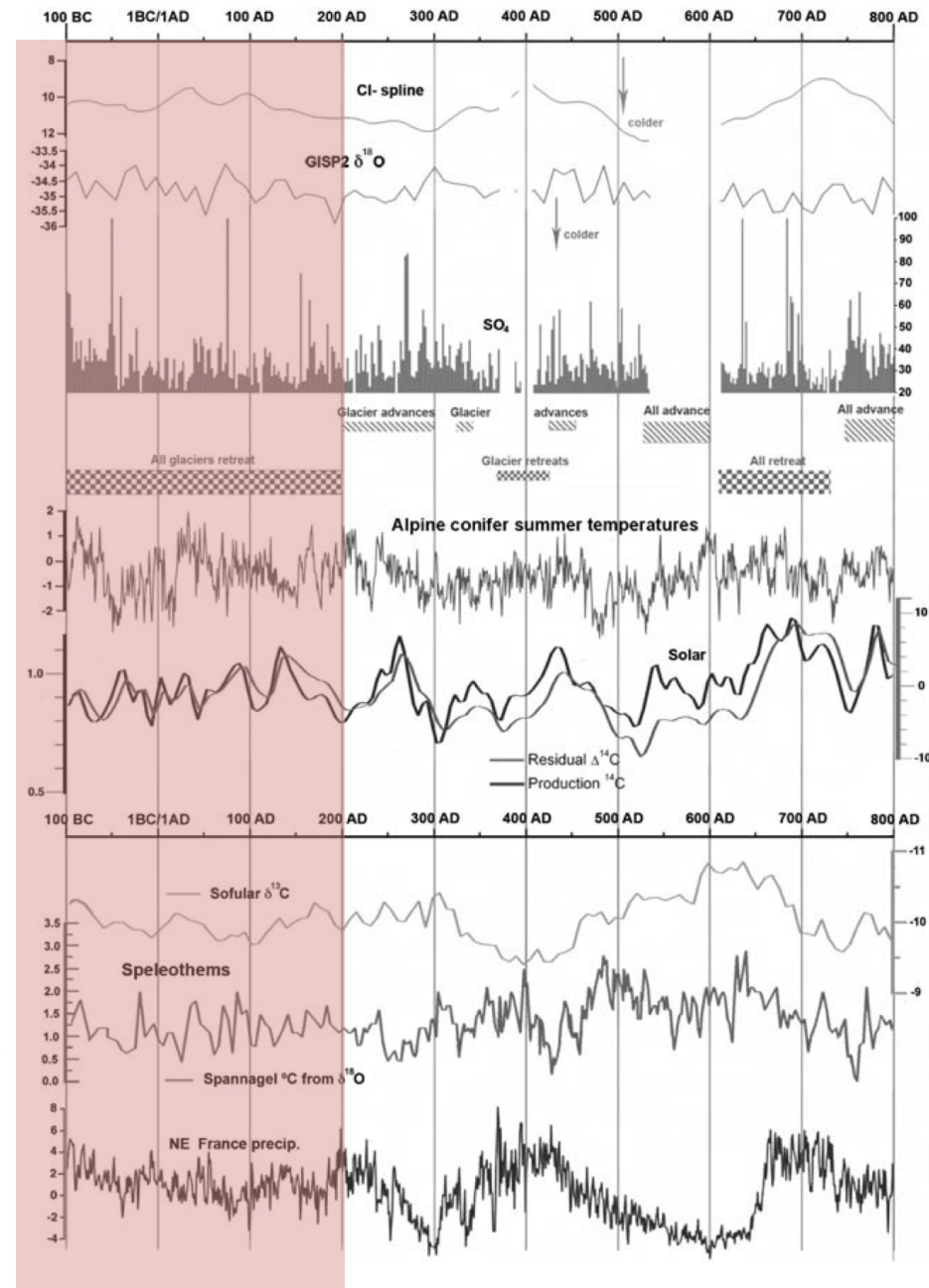
1. Fortunate **climate**: the 'Roman Warm Period';
2. Location, location, **location**;
3. Devotion to **colonization** and **war**;
4. **Legal and religious** traditions and standards;
5. Strong belief in the power of their own **history** and **national exceptionalism**;
6. Organization and **engineering** to control and improve **nature**;
7. **Tolerance, adaptation** and **adoption** of ideas from elsewhere;
8. The possibility of integration and **upward socio-economic mobility**

1. The 'Roman Warm Period,' or 'Roman Optimum': ca. 250 BC-AD 200

A period when the climate was generally warmer and wetter in the Mediterranean, but also -- crucially -- *less variable*.

Things were better in principal food-producing areas:

- more frequent 'good floods' of the Nile;
- Reliable precipitation in western Europe;
- Fewer major volcanic eruptions to cause sharp cooling and curtail crop growth



NOTE The x-axis of B.C.–A.D. years in this figure runs from left to right. The CI- values have been inverted to make the direction of variation consistent with the temperature records.

2. Advantageous Location

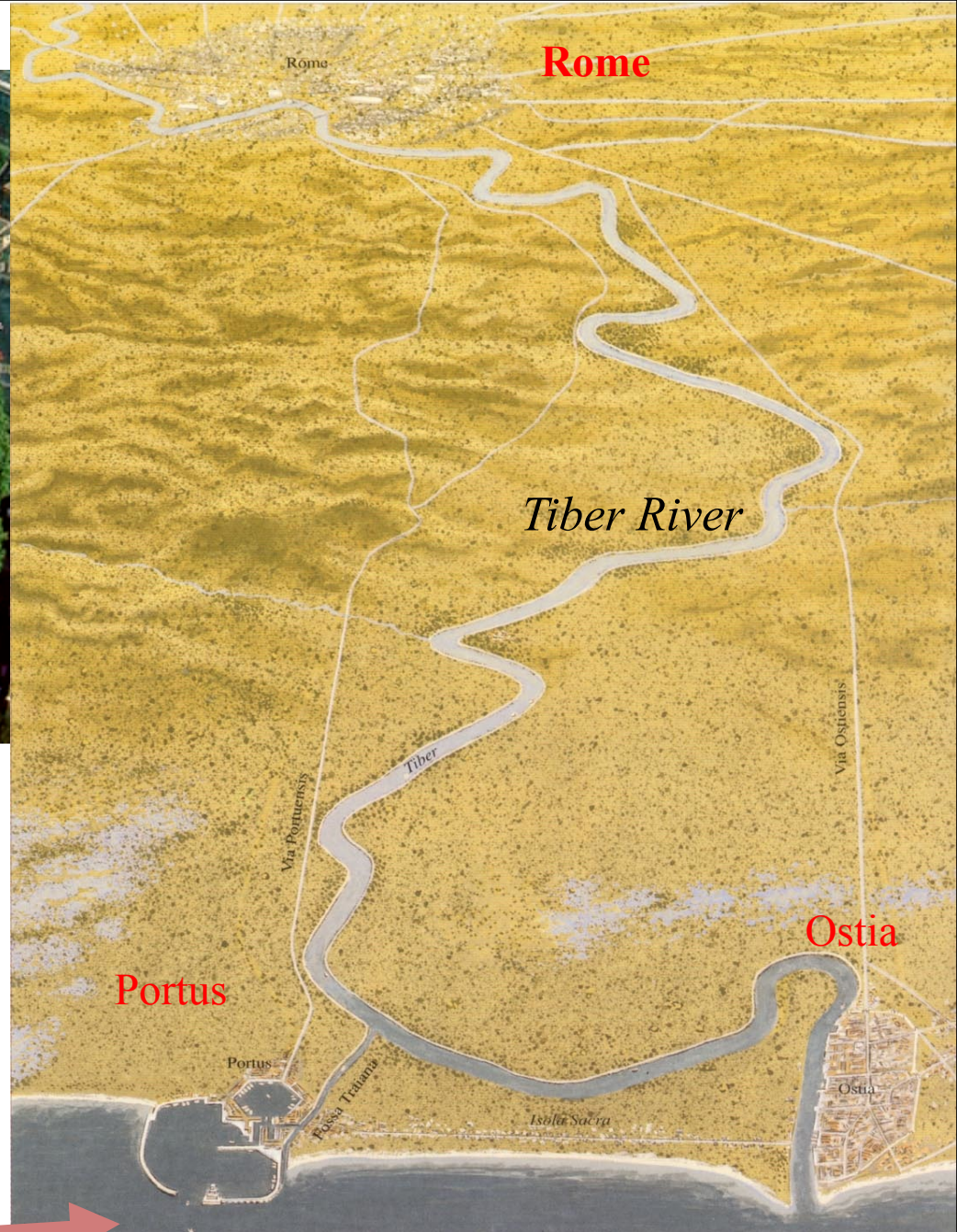


isola tiburtina

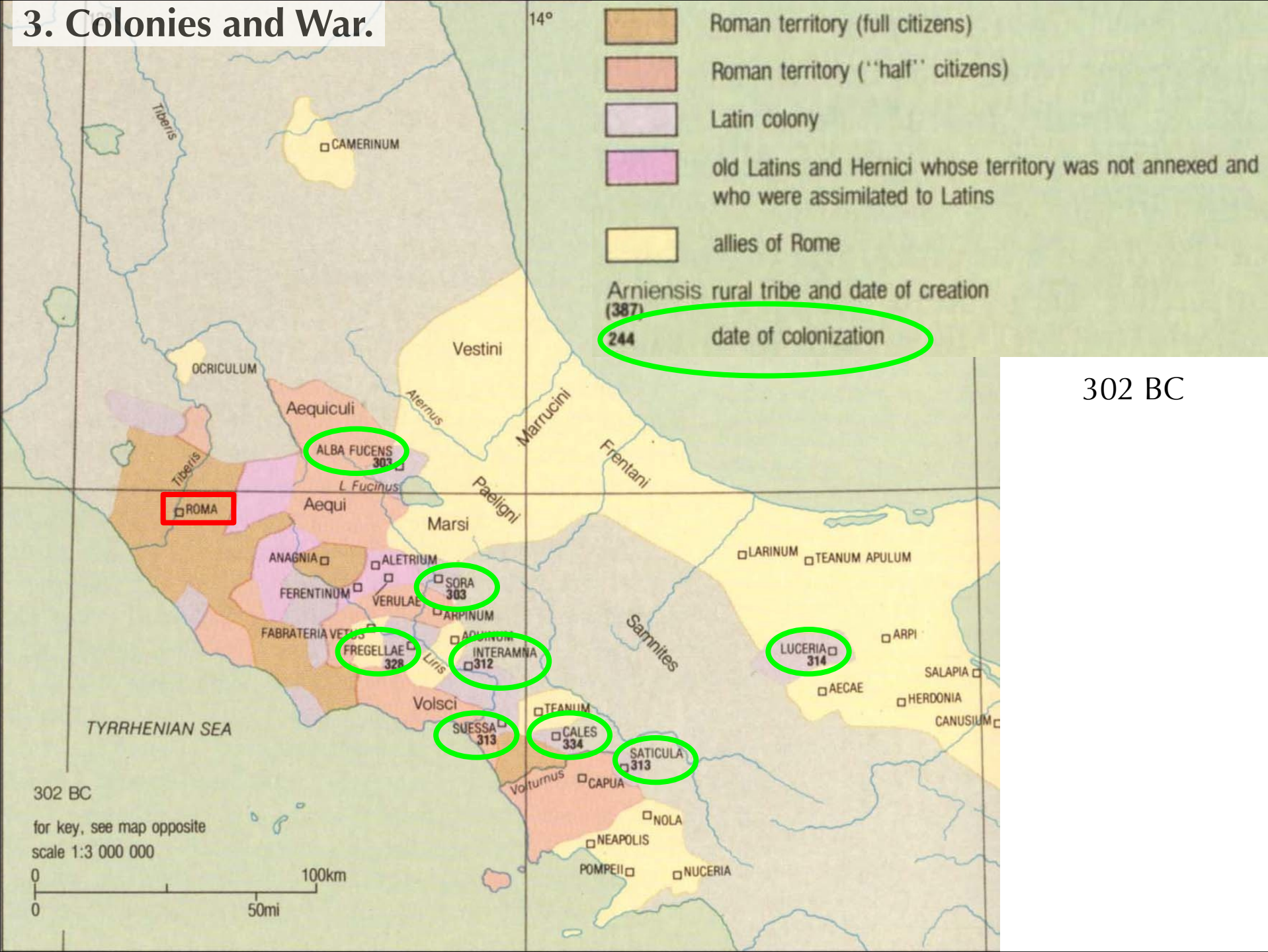


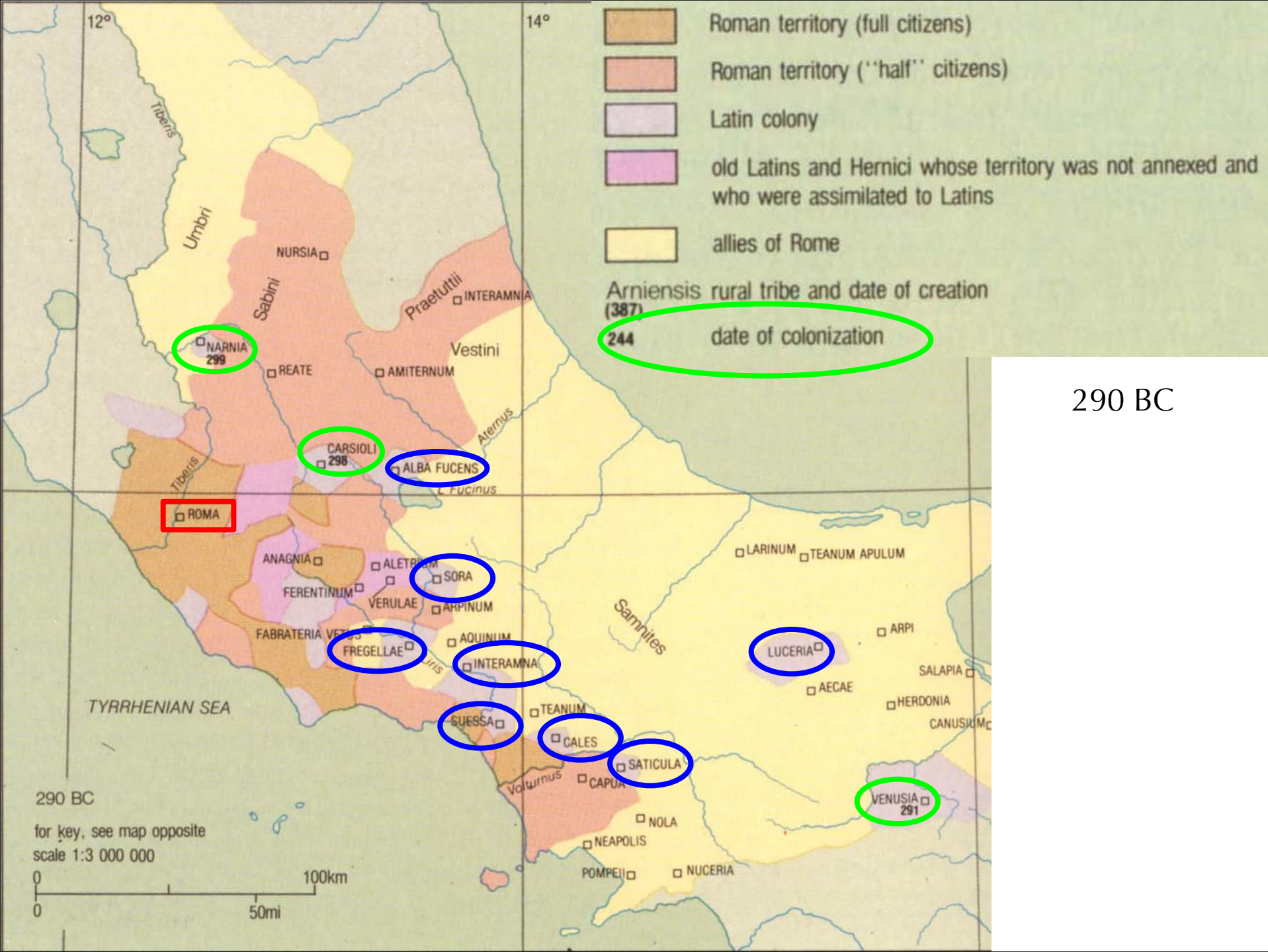
Rome has: a navigable river (the Tibur) along the coast-mountain salt route; and the best fording place across that river on the coastal route, about halfway up the peninsula.

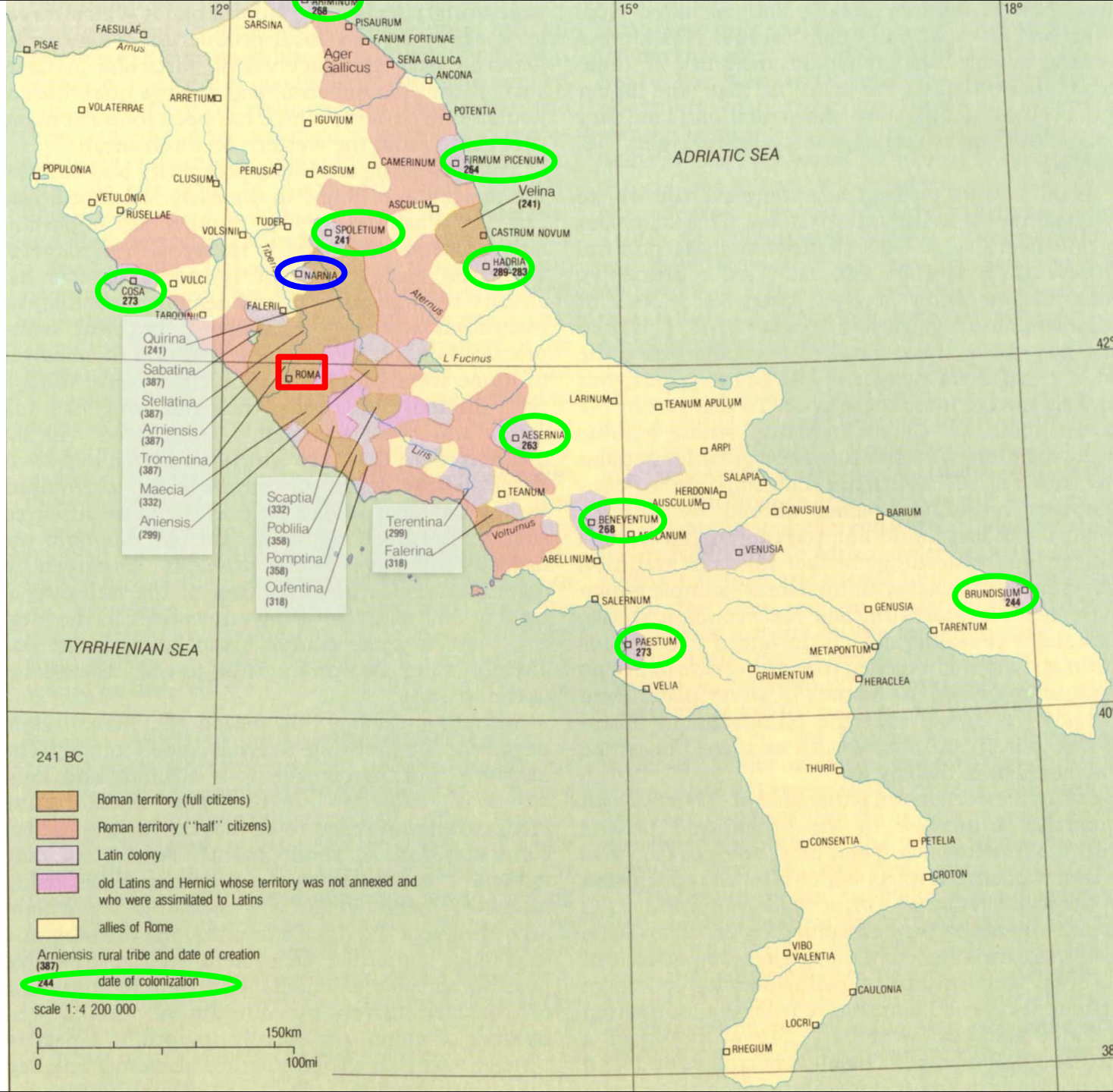
Only later, however -- in the 1st c. AD -- would Rome begin to build a secure **harbor** at Ostia.



3. Colonies and War.







241 BC: in the wake of colonies came the enrollment of new voting tribes for Roman elections.

Gradations of assimilation into the Roman system.

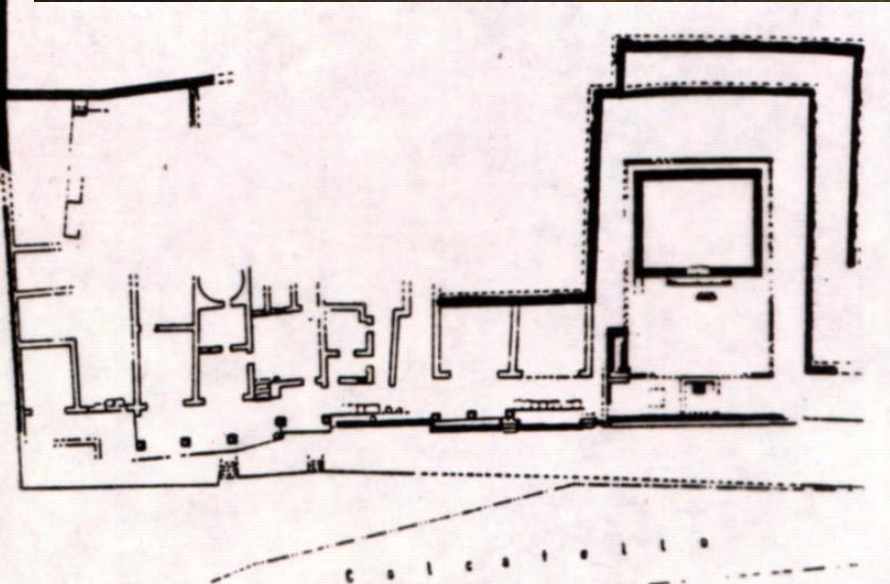
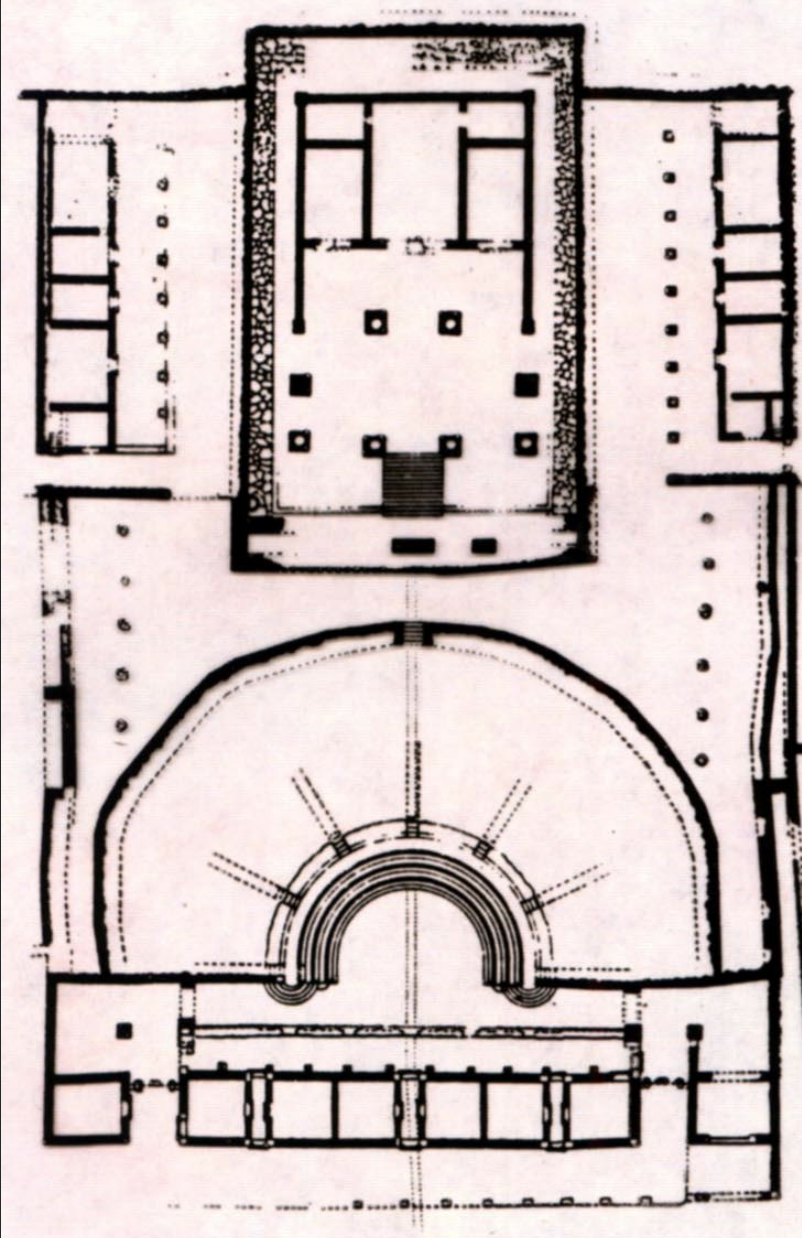
4. negotiation and legalism

Military, economic and socio-political conquest went hand-in-hand:
Esquiline Tomb painting, late 4th-early 3rd c BC;
The Roman Quintus Fabius treats with the Samnite Fannius



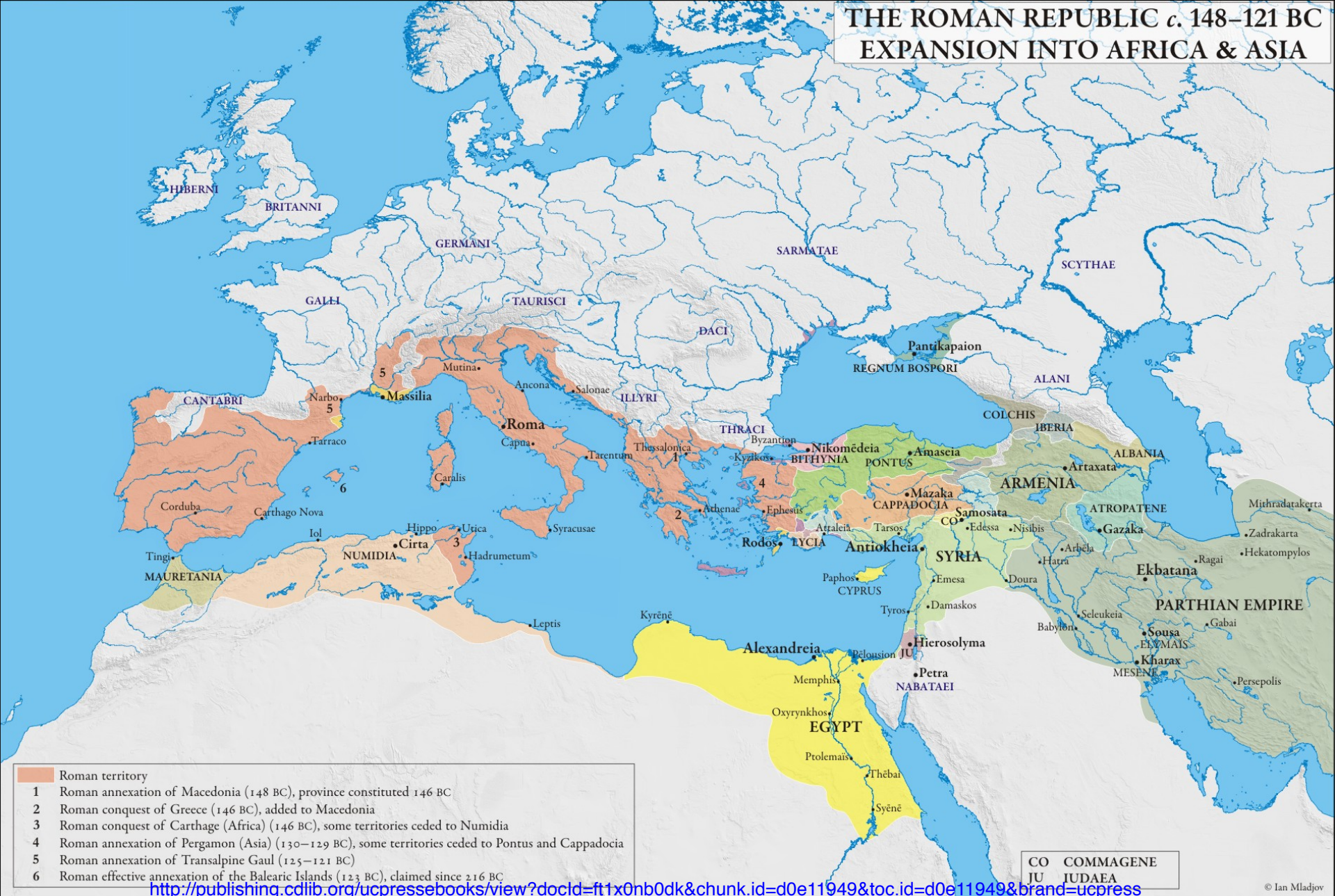
*The Fabii family is prominent in developing client networks
in Samnium and Apulia: state and familial 'Romanization'*

Pietrabbondante, theatre-temple, ca. 100 BC

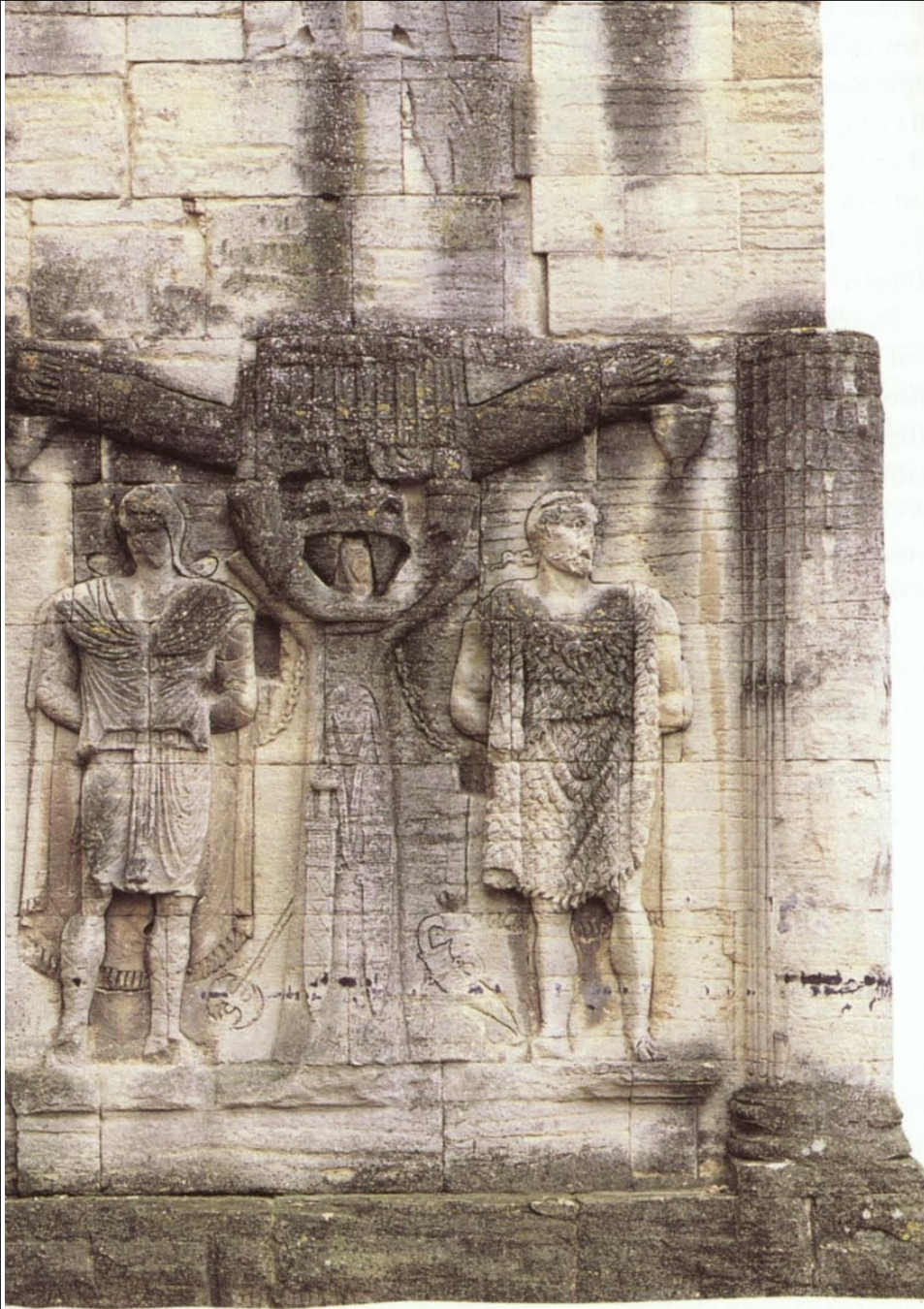


This was one of the principal meeting places for the leaders of the breakaway state of *Italia* during the Social Wars of the early 1c. BC.

THE ROMAN REPUBLIC c. 148–121 BC EXPANSION INTO AFRICA & ASIA



Rome often added territories after they were brought in to act as arbitrators in regional disputes, e.g. "between the Nanthacians and Melitaeans of Thessaly, and between Magnesia and Priene, both around 140, between the Messenians and Lacedaemonians ca. 138, between Samos and Priene in 135,[6] between Hierapytna and Itanus in Crete in 140 and again in 112, between Lato in Crete and one of its neighbors, probably around the same time, and between Thronium and Scarphea in Locris around the turn of the century."



Arch of Carpentras, France, ca. 9 BC: prisoners of war



Column of Marcus Aurelius, Rome, ca. AD 180, scene XLI



Conservatori reliefs of a lost triumphal arch of Marcus Aurelius, Rome, ca. AD 180; *clementia* (above); *pietas* (right)

5. Attention to history and national **exceptionalism**

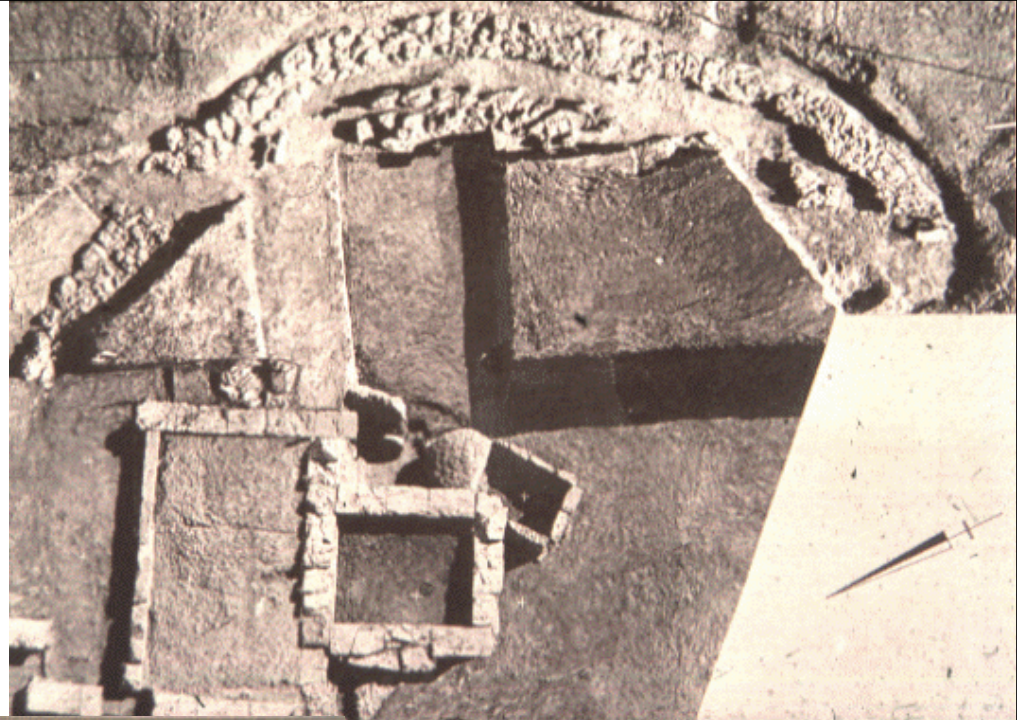


Ludovisi sarcophagus, ca. AD 250. Romans v. 'barbarians'; 'order' v. 'chaos' is the imperial trope, but Rome's founding myths centered around:
war refugees, outlaws, fratricide, asylum-seekers, and rapists.

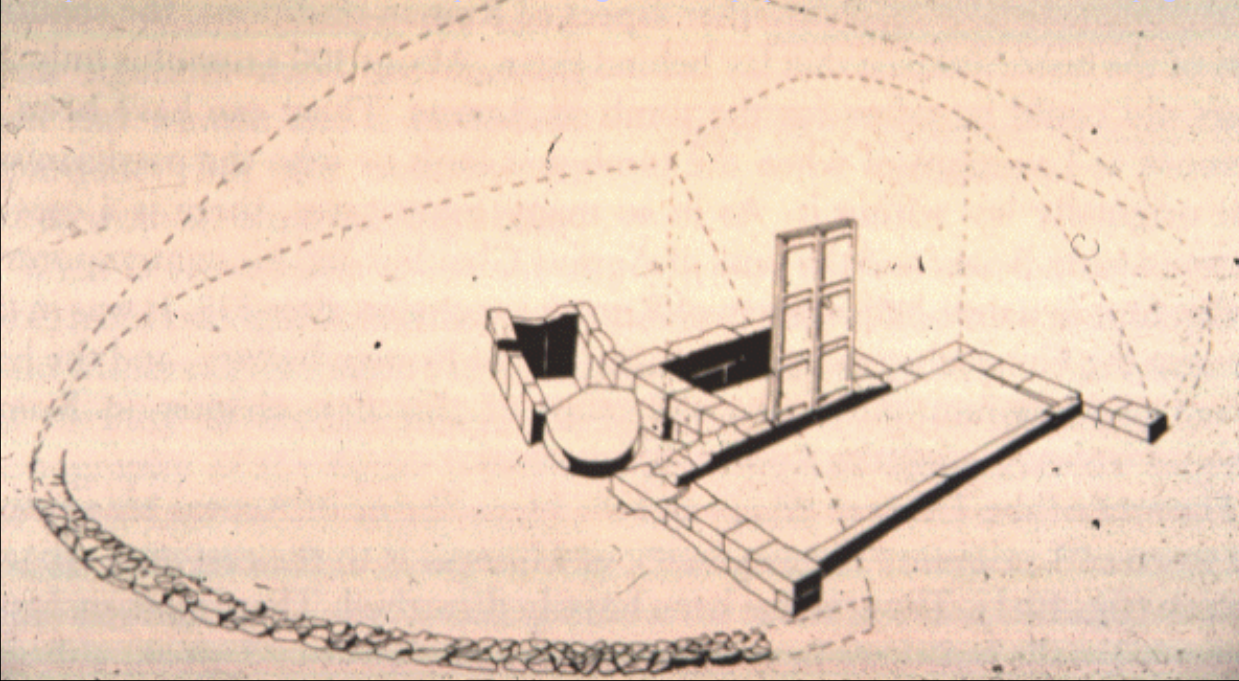
Roman Origins: two stories

1) Aeneas, Trojan prince and leader of refugees from the burned city of Troy (ca. early 12th c. BC).

Tumulus / 'heroon' at Lavinium; in ancient legend, considered the burial-place of Aeneas. Actually dates to the 7th c. BC.



<http://www.culturalazio.it/musei/pomezia/argomento1.php?id=51&vms=6&vmf=20&page=1>



Dionysos of Halicarnassus, *Roman Antiquities*, 1st c. BC I.64:

"A severe battle took place not far from Lavinium and many were slain on both sides, but when night came on the armies separated; and when the body of Aeneas was nowhere to be seen, some concluded that it had been translated to the gods and others that it had perished in the river beside which the battle was fought. 5 And the Latins built a hero-shrine to him with this inscription: *"To the father and god of this place, who presides over the waters of the river Numicius."* But there are some who say the shrine was erected by Aeneas in honour of Anchises, who died in the year before this war. It is a small mound, round which have been set out in regular rows trees that are well worth seeing."

Roman Origins: two stories

2) Romulus and Remus

How the Romans mythologized their past, reconciling their 'Italian-ness' and the Hellenism of the greater Mediterranean world.

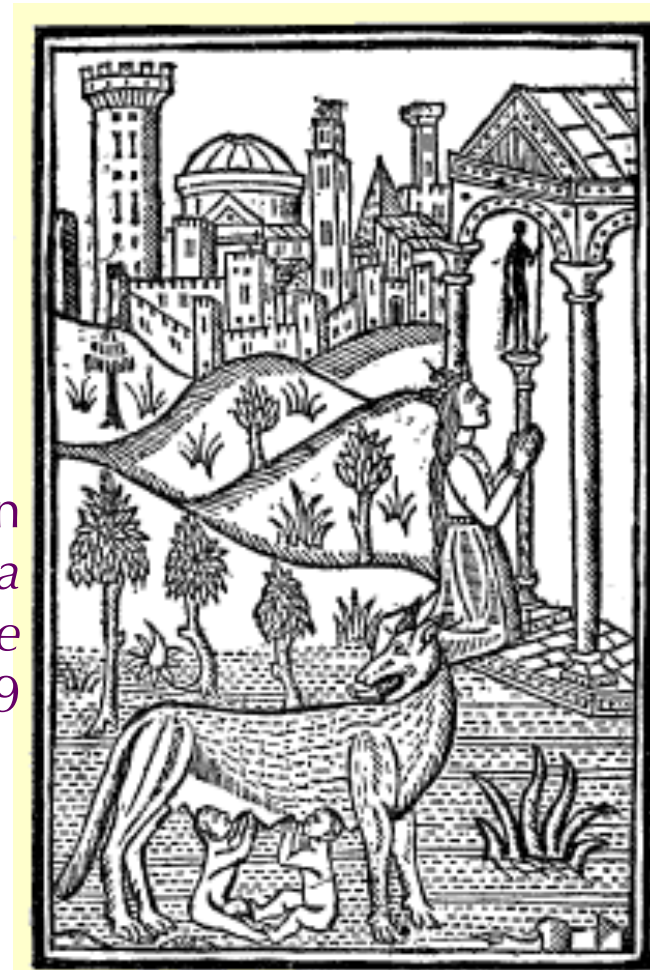


Capitoline Wolf:

Etruscan or
13th c. AD?

She-wolf in
the *Mirabilia
Urbis Romae*
AD 1499

Silver denarius
with she-wolf and
Faustulus,
ca. 140 BC



Seven Hills of Rome:

- = substructures of huts
- + = Archaic necropoleis

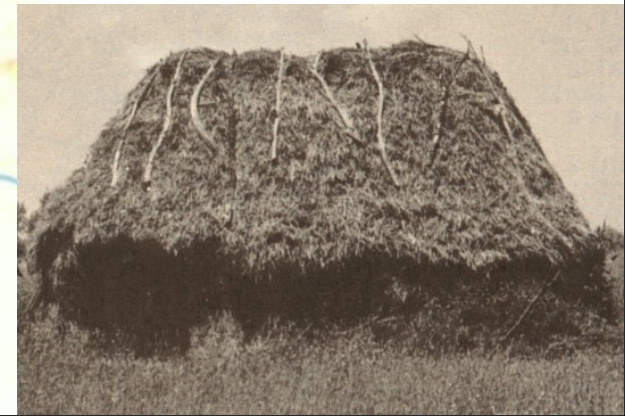
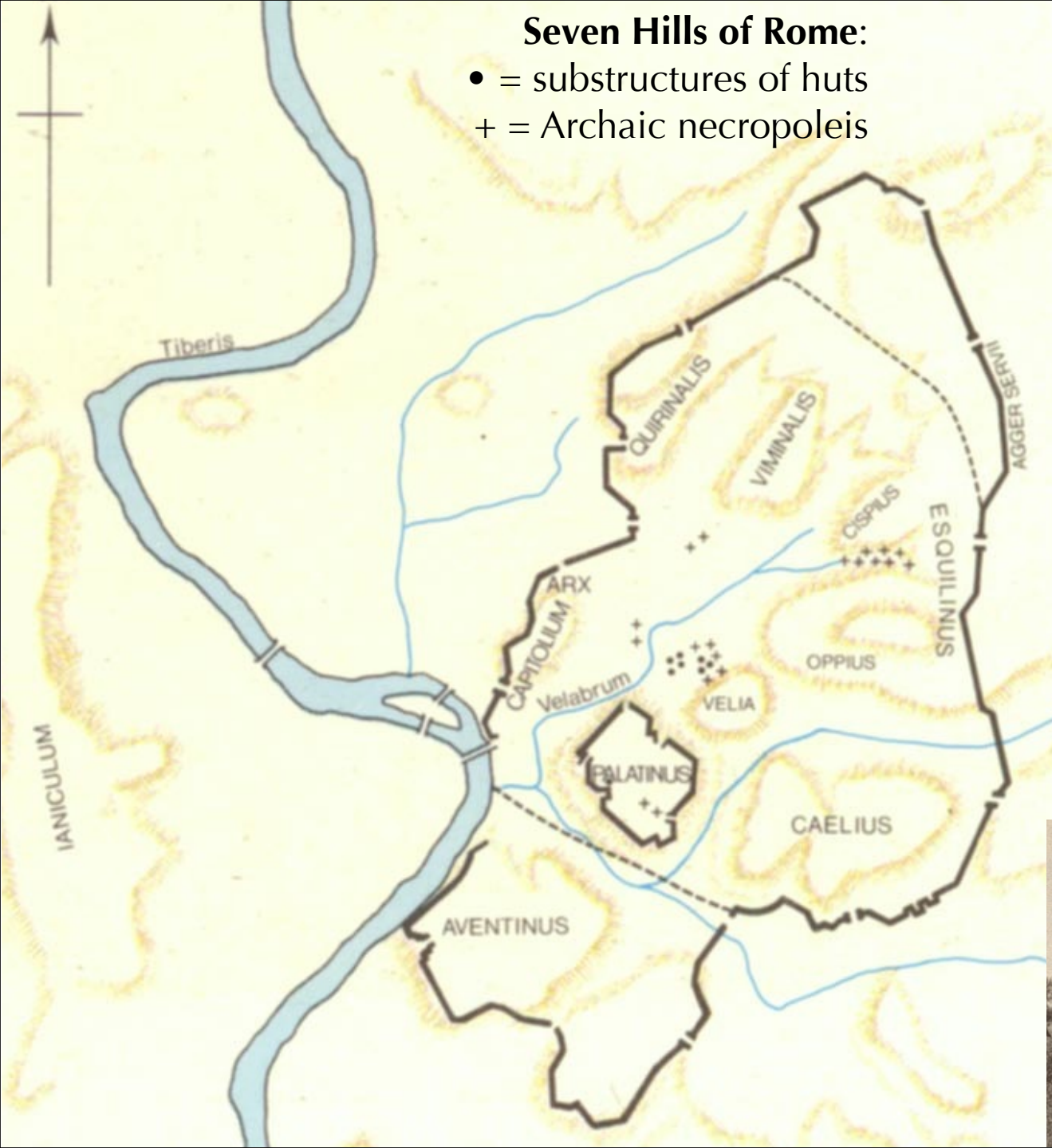




Fig. 133. Birds-eye view of the necropolis.
(From the cornice of the Faustina-temple.)

That low-lying area, prone to flooding, was at first used largely as a **cemetery** for the settlements on the surrounding hills (9th-8th c. BC).

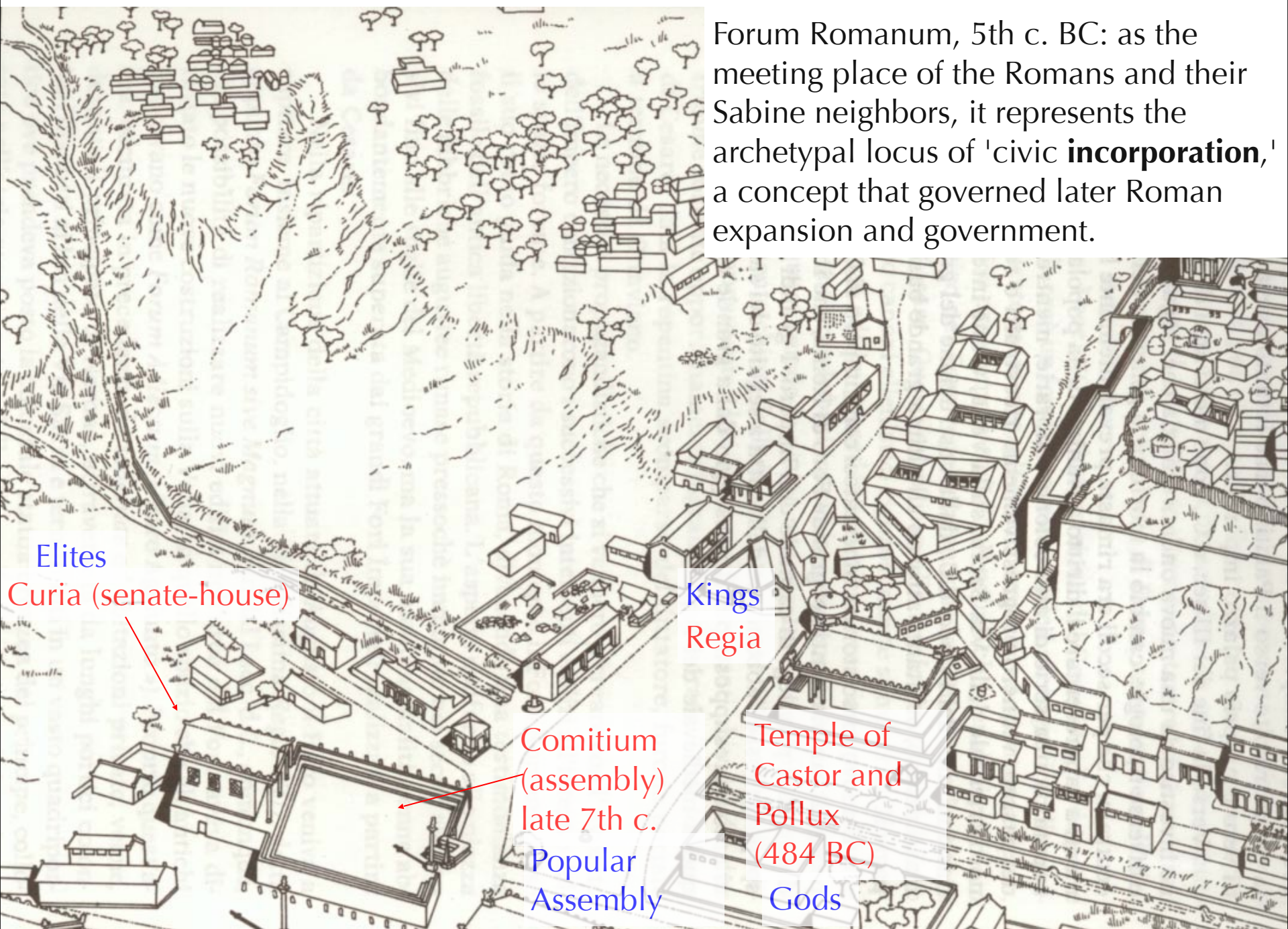
Below the Capitoline hill and to the east, large rocks had tumbled down during the Paleolithic, and, resting ca. 1 m. above ground, were probably used as the first gathering places for the various families or tribes that had settled on the hills.

In the late 7th c. BC, ground was cut away from the east end to help raise and level the entire area and bring it above flood-level. This area would become known as the *Forum Romanum*.

8th-c.
Villanovan hut-urn

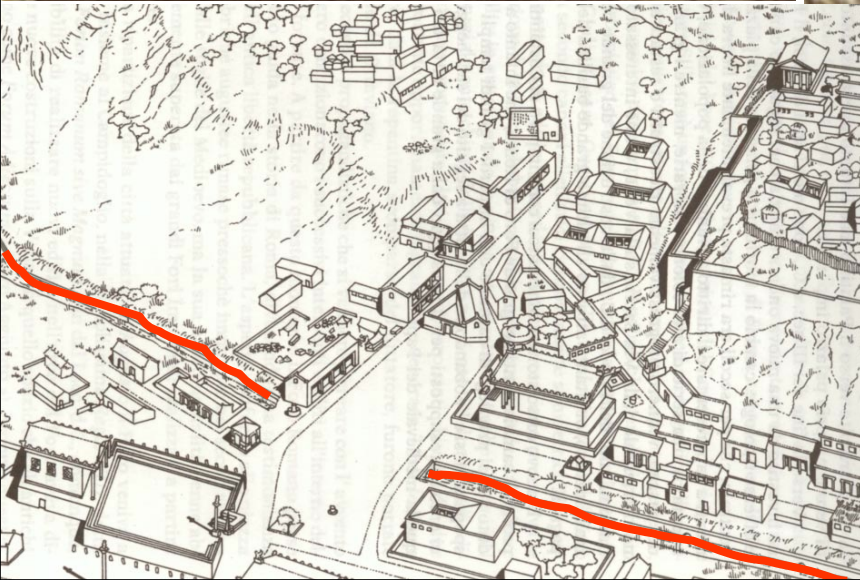


Forum Romanum, 5th c. BC: as the meeting place of the Romans and their Sabine neighbors, it represents the archetypal locus of 'civic **incorporation**,' a concept that governed later Roman expansion and government.



Forum Romanum

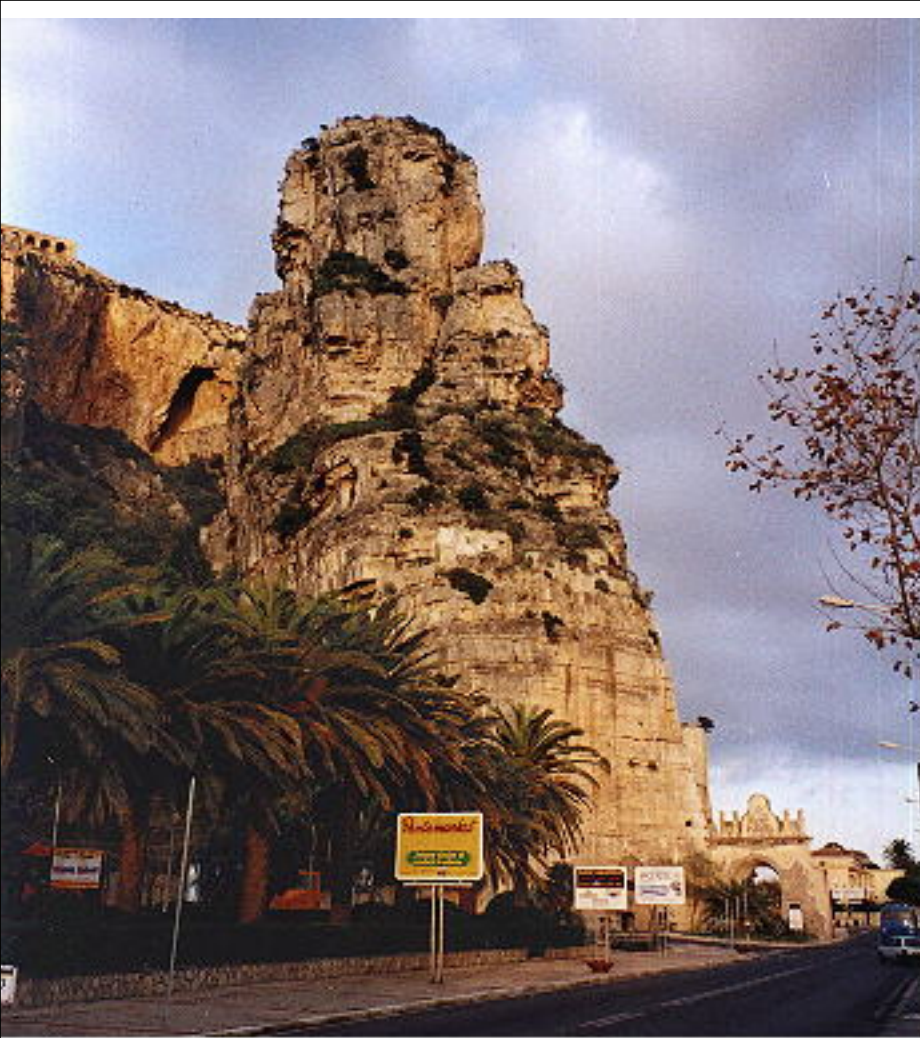
Cloaca Maxima



6. Engineering to control and improve nature



Column of Trajan, ca. AD 117: the bridge of Apollodorus across the Danube and construction of a fortified base



At Terracina: in the early 2nd c. AD, Trajan's engineers cut a new path for the Via Appia, slicing off 120 vertical ft. of sea-side cliffs below the Sanctuary of Jupiter Anxur, near which the modern road still runs today. The proud engineers carved an inscription to their accomplishment, as well as numbers indicating every 10 ft. they had cut.



Town-house
(*domus*) &
Shop (*taberna*)

Private, urban
architecture

Entertainment (*theatrum, amphitheatrum, circus, thermae*), **Administrative/juridical/complex** (*basilica*), **Market** (e.g., *macellum*)

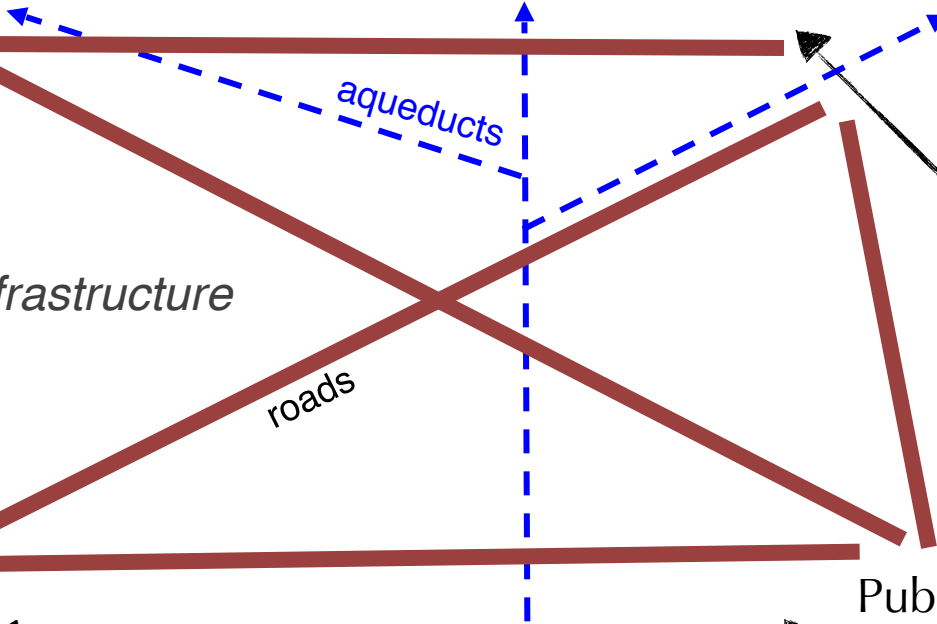
Public, secular urban
architecture

FORUM

Assembly-building
(*comitium; curia*) &
Temple (*aedes, templum*)

Public, sacred urban
architecture

URBS



infrastructure

roads

aqueducts

Private, rural
architecture

Public, sacred rural
architecture

RUS



Villa
(*pars urbana,*
pars rustica
pars fructaria)

Sanctuary

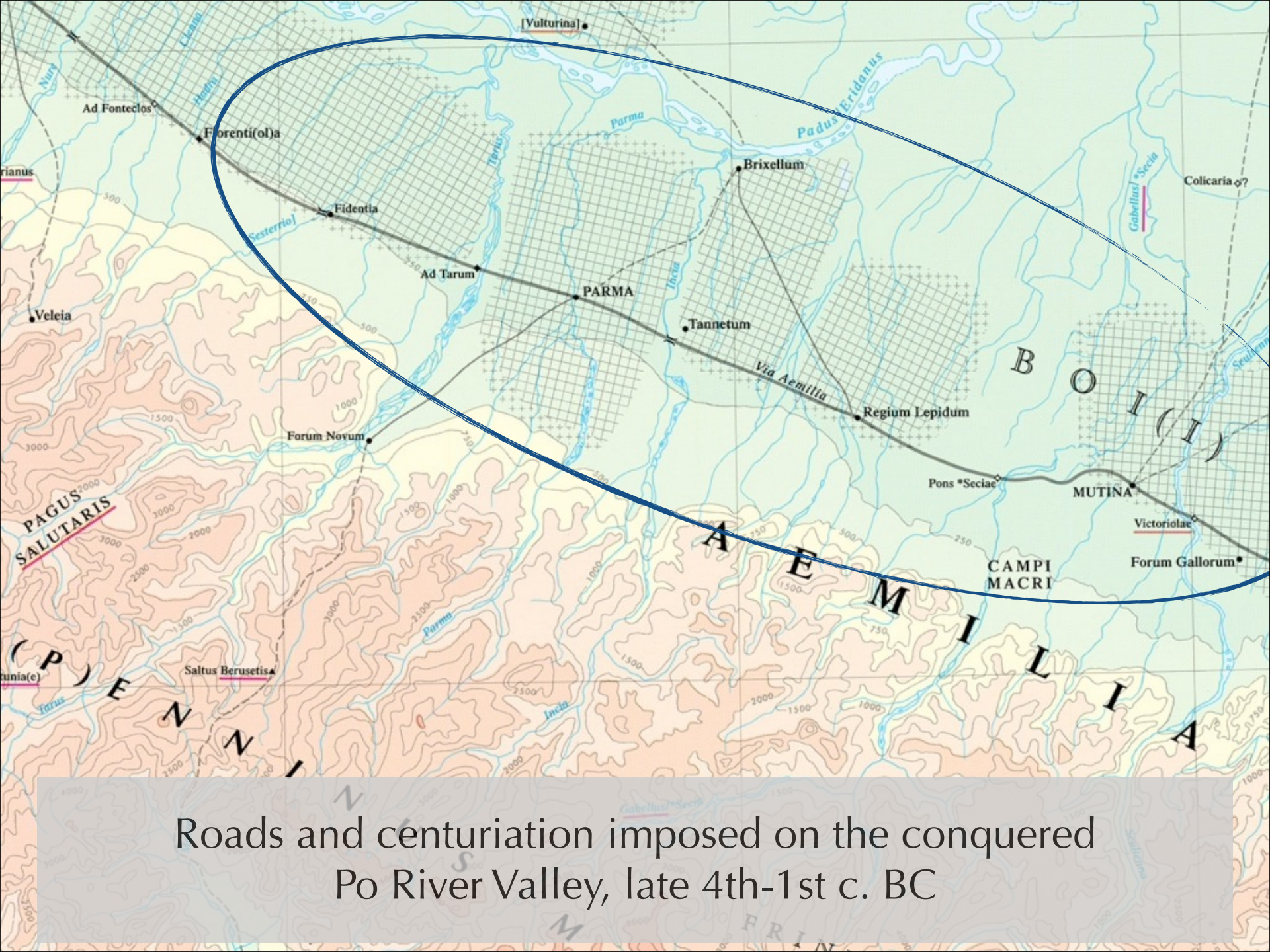
MATRIX OF THE ROMAN
BUILT LANDSCAPE:
sacred-secular, public-private, urban-rural



The Roman world had **two main axes**, conceptually and physically: the **Cardo** (N-S) and the **Decumanus** (E-W). This is how they divided up their world.

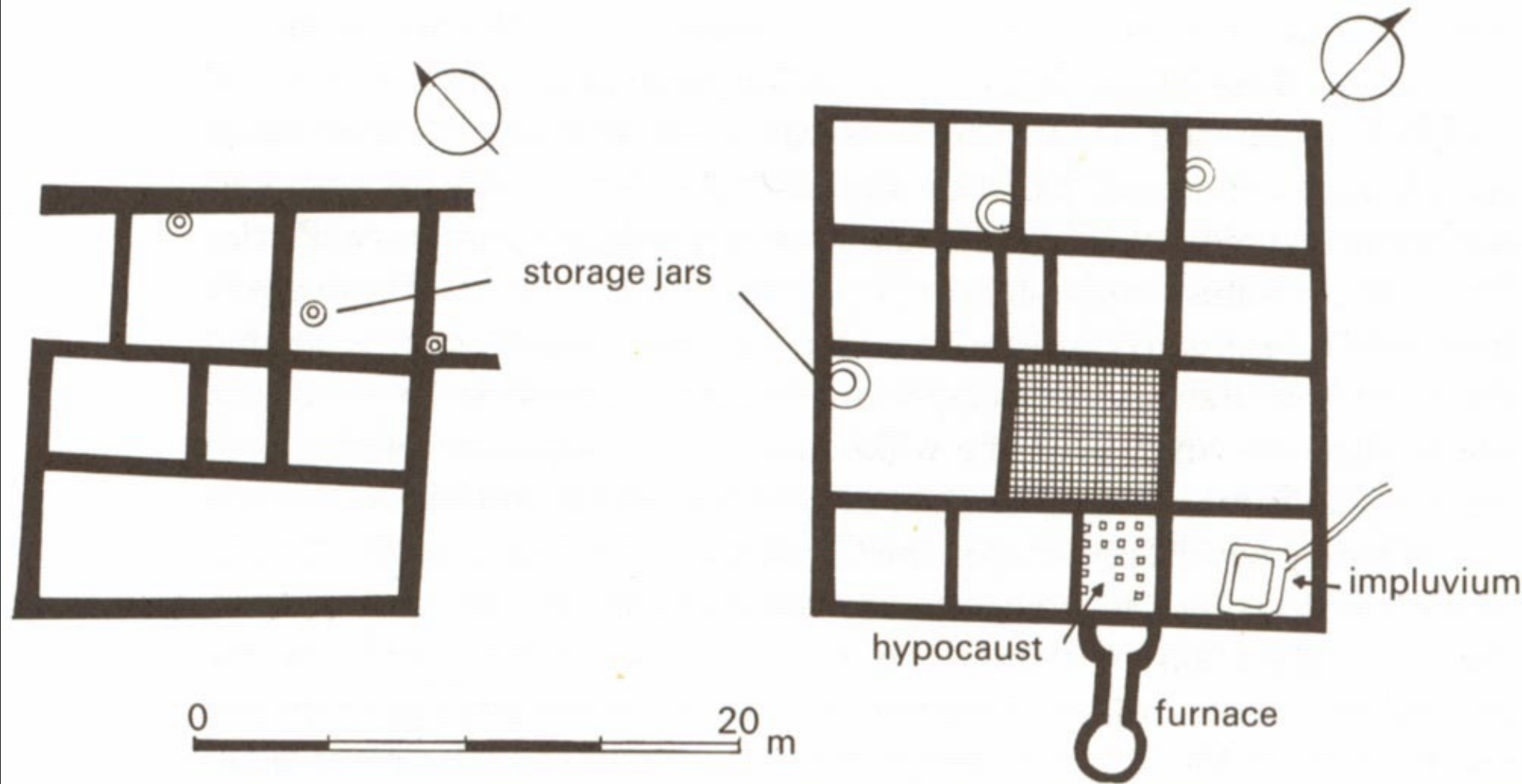
'**groma**' (surveying equipment) on an inscription of Nicostratus, an *agromensator* from Pompeii. Left: centuriated farmland in Africa Proconsularis (modern Tunisia).

FIGURE 2.2 *Proconsularis, centuriation, air view*



Roads and centuriation imposed on the conquered
Po River Valley, late 4th-1st c. BC

Two small farms in the Metaponto area:
 subsistence life changes little over eight centuries;
 most work was probably done outside.



Ponte Fabrizio (4th c. BC)

San Biagio (4th c. AD)

0 5 10 m

723 Villa rustica of La Pisanella at Boscoreale near Pompeii:

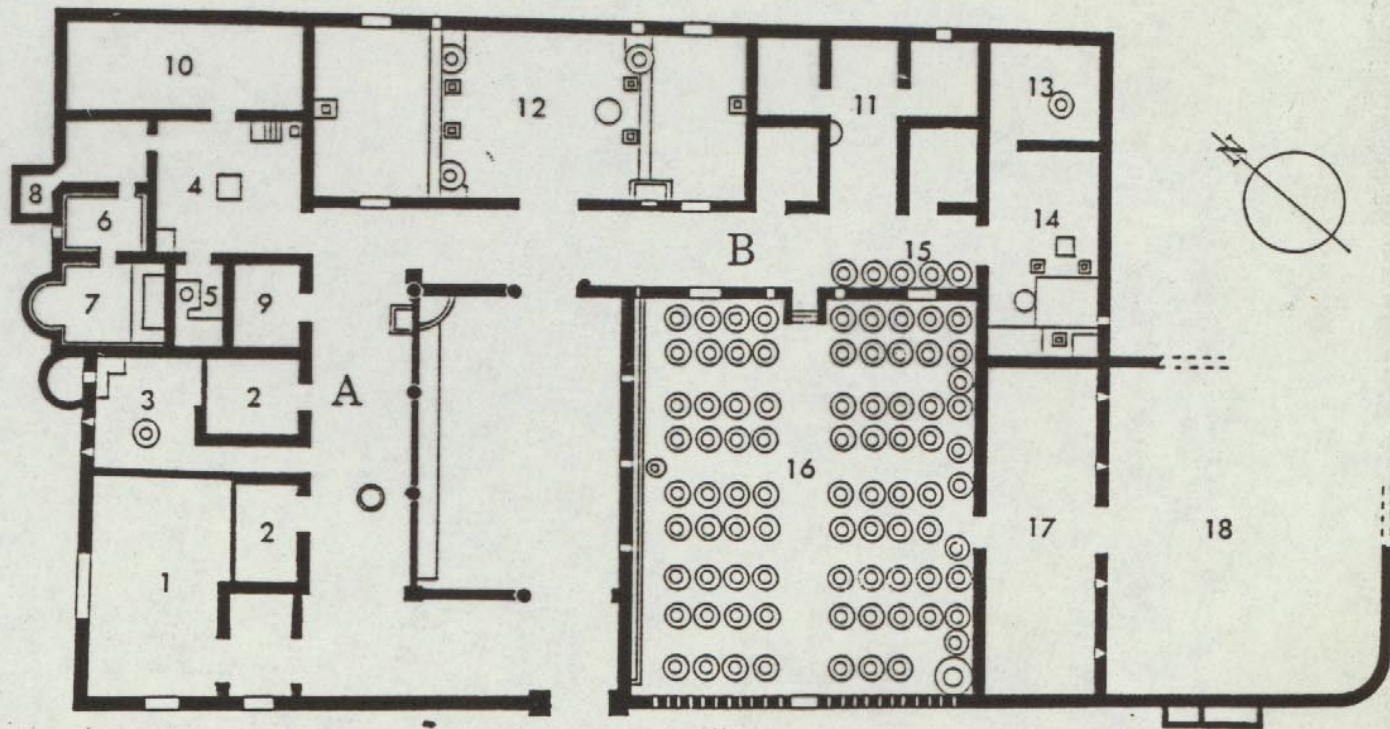
A Pars urbana:

- 1 Dining room
- 2 Bedrooms
- 3 Bakery with millstone and oven
- 4 Kitchen with stairway
- 5 Furnace for the bath
- 6 *Tepidarium*
- 7 *Caldarium*
- 8 Latrines.

B Pars rustica (partly included in the above):

- 9 Tool store
- 10 Stable
- 11 Slaves' living quarters
- 12 Wine store with two grape presses, three *dolia* and a cistern.
- 13 Olive mill
- 14 Olive press
- 15 *Dolia* for oil
- 16 Open-air wine store with buried *dolia*
- 17 Granary
- 18 Threshing floor

(After Pasqui, *Monumenti dei Lincei*, VII, 1897, p.398.)



'villa rustica', or 'working villa' near Pompeii: living quarters and space for processing and storing agricultural produce -- mainly grains, olive oil, wine. Nuts, fruit, vegetables, cheeses and cured meats and fish were also important culinary staples.

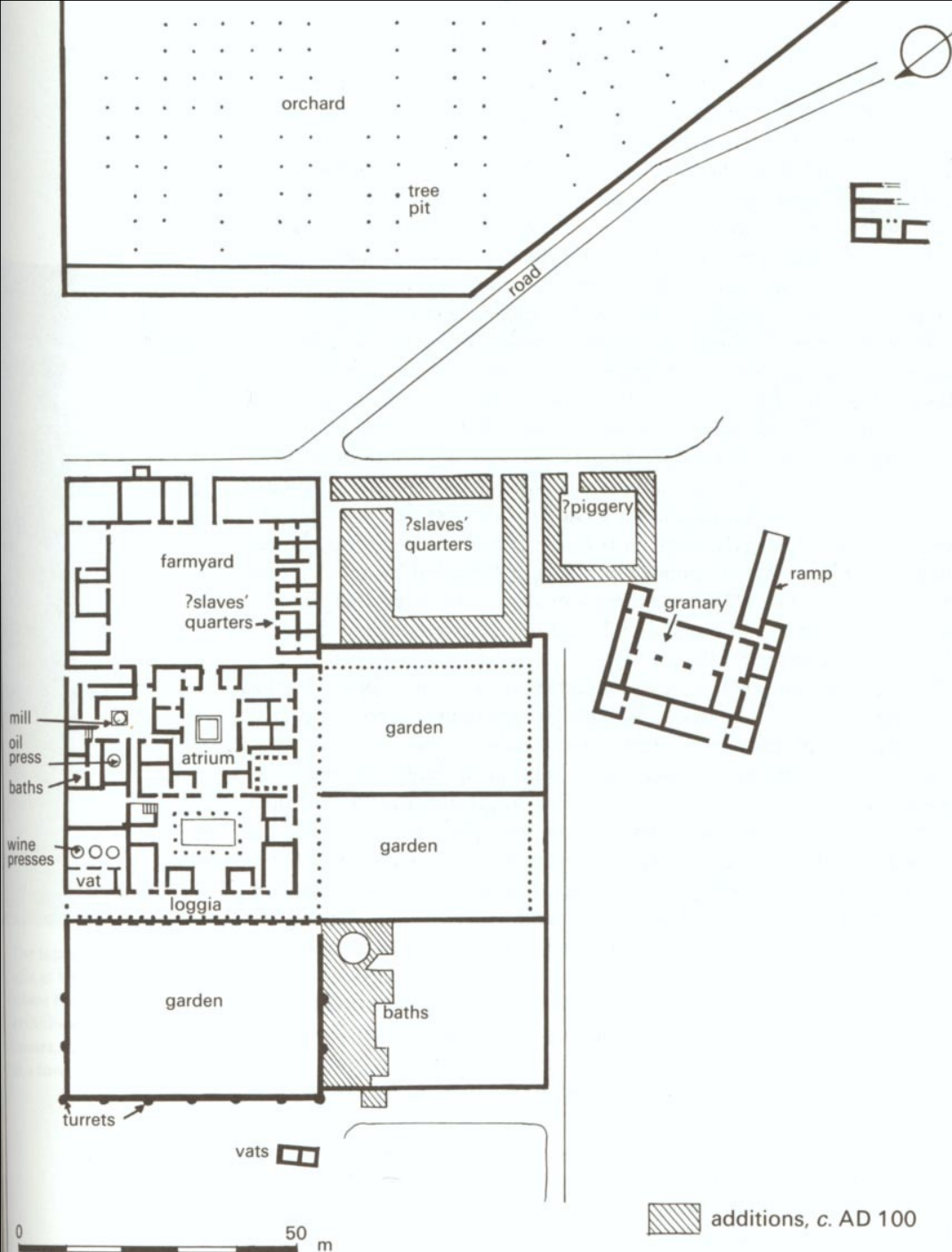
The 'crisis in Italian agriculture', 2nd-1st c. BC: the seeming shift away from cereal production to specialized (and higher-profit) production in wine, olives, and fish, on massive elite-owned farms worked by gangs of slaves acquired in foreign wars. Fewer free small-time farmers meant fewer soldiers; this led to a semi-professional army replacing the citizen army under Marius, and it put exceptional power in the hands of the commanding (aristocratic) generals, competition between whom would eventually bring the Republic into bloody civil war.



The brothers Gracchi: aristocratic land reformers who are assassinated in 133 and 123 BC



2nd c. BC silver coin: triumphant general



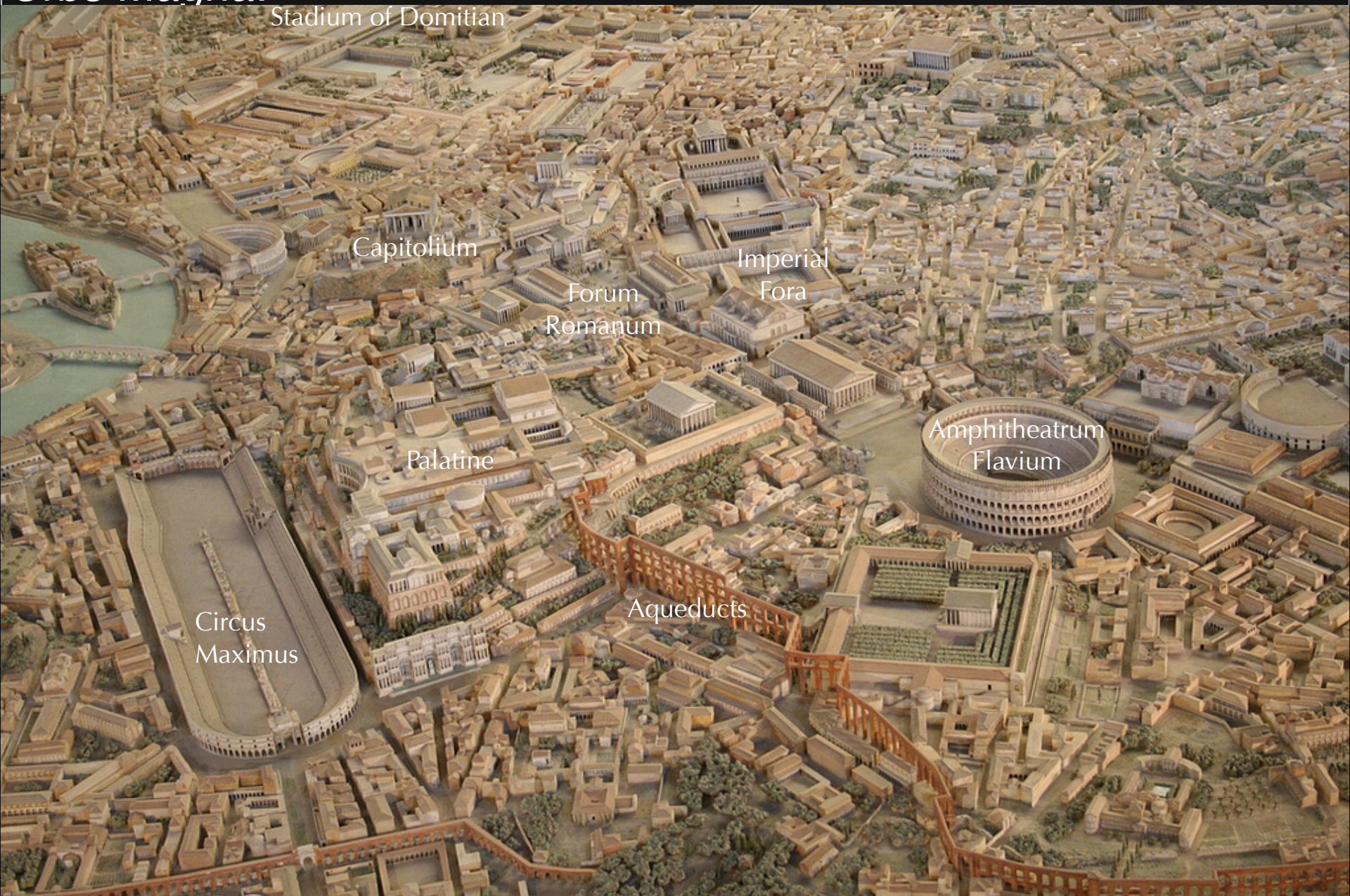
Large estate villa at Settefinestre (near Cosa, Etruria), 1st c. BC-AD: turreted garden walls imitate city walls; fine residential quarters are accompanied by gardens, baths, agricultural production and storage areas, slaves' quarters and a pig-sty.



J. Paul Getty Museum, reconstructed on the model of the Villa dei Papiri, Herculaneum:
A sub-urban house with nature (water, plants, animals, gods) under control: ***urbs in ruri***

Urbs Magna:

Stadium of Domitian



Capitolium

Imperial
Fora

Forum
Romanum

Palatine

Amphitheatrum
Flavium

Circus
Maximus

Aqueducts

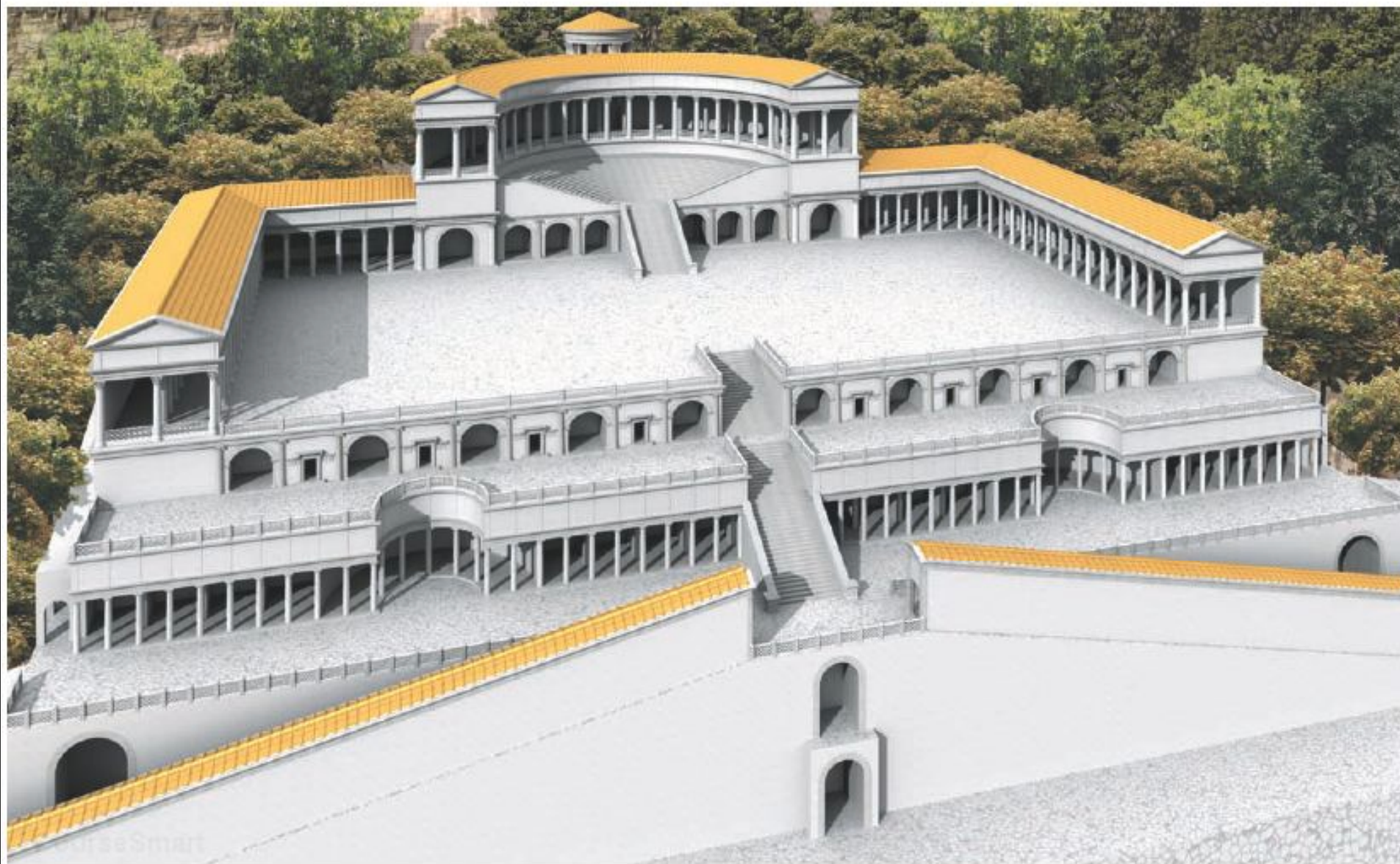
Model of Imperial Rome: the first city to contain >1 million people



Forma Urbis Romae, Late
2nd c. AD, Forum Pacis



By the 2nd c. BC, the Romans had developed a new building technique that managed both scale and form: **concrete**



1-21 Restored view of the Sanctuary of Fortuna, Palestrina, late second century BCE (John Burge).

The **KEY** material for Roman engineering: **OPUS CAEMENTICIUM** (Roman concrete)
but what is concrete, how do you make it, and how does it work?

Concrete = (binding agent + water) + aggregate)
Concrete = (cement + water) + [variously sized chunks of rock, tile, brick])

Cement in the Roman world was made from slaked lime + pozzolana (*pulvis puteolanis*) or sand

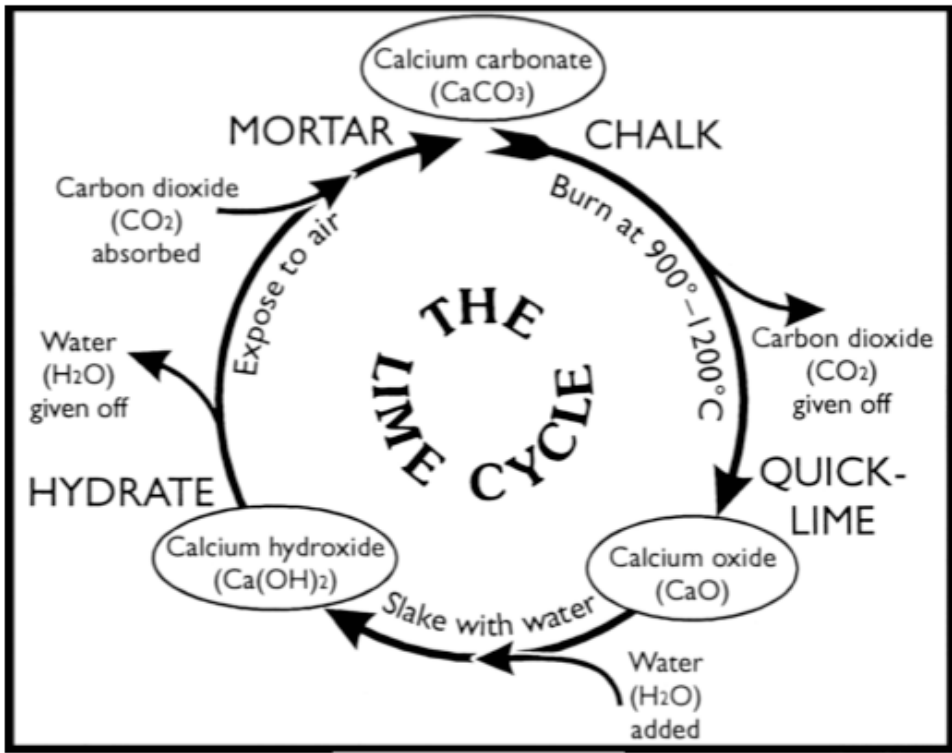
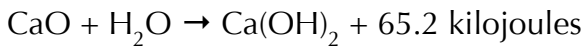
Slaked lime is made from mixing quicklime with water

Quicklime (CaO) is made by firing (burning) chunks of limestone, marble, or travertine (which is mostly CaCO_3), layered with fuel (probably charcoal) in a hollow kiln to about 1000°C .

This liberates CO_2 and creates CaO as follows:



Because quicklime is unstable and will eventually revert back to calcium carbonate as it cools and absorbs Carbon dioxide from the atmosphere, it is mixed with water to create calcium hydroxide, or slaked lime:



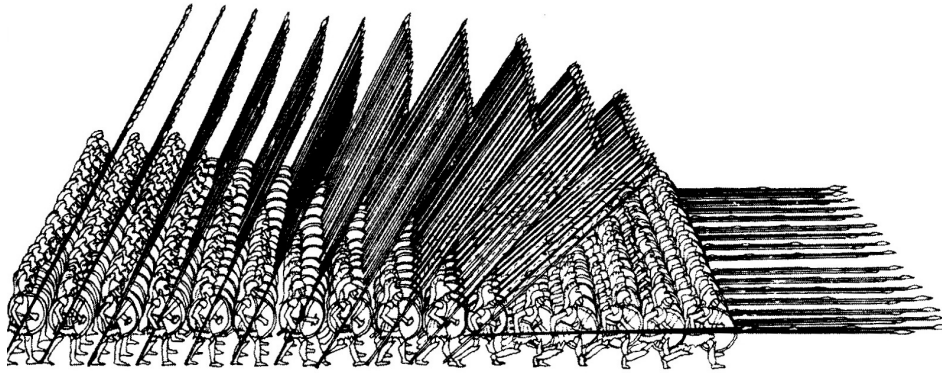
The lime cycle

The pasty slaked lime, when combined with sand or pozzolana and more water, forms non-hydraulic or hydraulic cement, respectively. This is then combined with chunks of aggregate (which serve as cheaper filler) to make concrete, and as the cement dries, it re-absorbs CO_2 from the atmosphere, and effectively hardens back into calcium carbonate (artificial stone, really).

By using forms into which you can pour the concrete, you can then make interior spaces of almost any shape or configuration – at the Pantheon in Rome (AD 120s), concrete permitted light and air to become architectural elements themselves. This was the culmination of an architectural revolution in which Pompeii, at the very end, also participated.



7. Tolerance, adaptation and adoption of ideas from elsewhere



phalanx

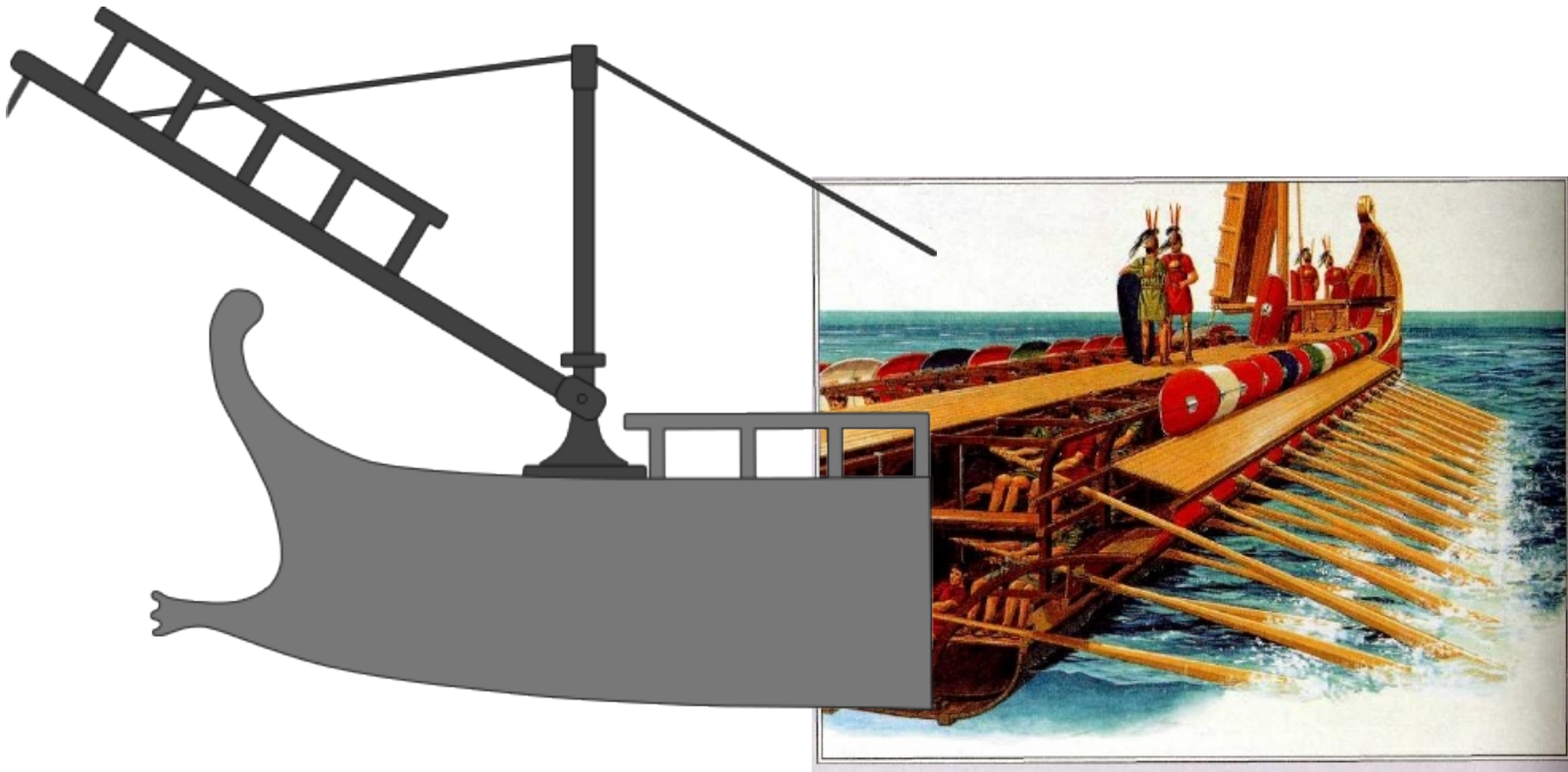


maniple

Samnite Wars, 343-290 BC: The Romans, using the **phalanx**, [8-16 ranks of men with long, heavy spears] get beat by the Samnite **maniple** ([20 men in 3 ranks of 40], therefore more mobile and flexible military units); learn to use the maniples themselves; and then defeat the Samnites using the maniples.

DICTATOR: more efficient command structure in times of stress.

Polybius: shipwreck as template for a fleet in the First Punic War, 264-241 BC, a conflict which also saw the '**corvus**'.



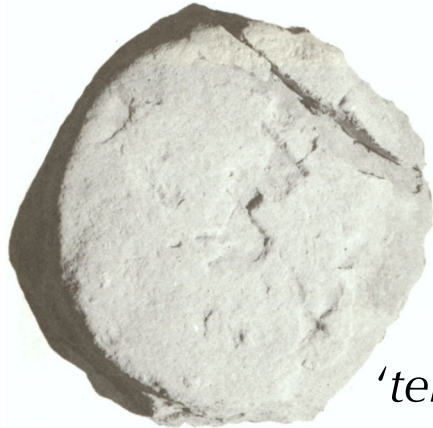
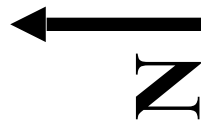
AVGVRIVM: The reading of the signs from heaven, as manifested in omens and portents from the air, and the flight of birds. The *lituus*, or crooked staff, served as the emblem of this office (recall the Tomb of the Augurs at Tarquinia). Augury lasted for the length of the day on which it was performed. A special member of the College of Augurs, of Etruscan descent, would act as **haruspex**, to examine and interpret the entrails of sacrificial animals (recall the Etruscan Bronze Liver from Piacenza).

AVSPICIVM: The examination of entrails by the haruspex.

Omens: signs taken during the auspices, interpreted according to pre-set formulae. Their application was immediate.

Portents: decisive natural events such as lightning strikes, strange births, comets, etc. Their duration extended somewhat into the future.

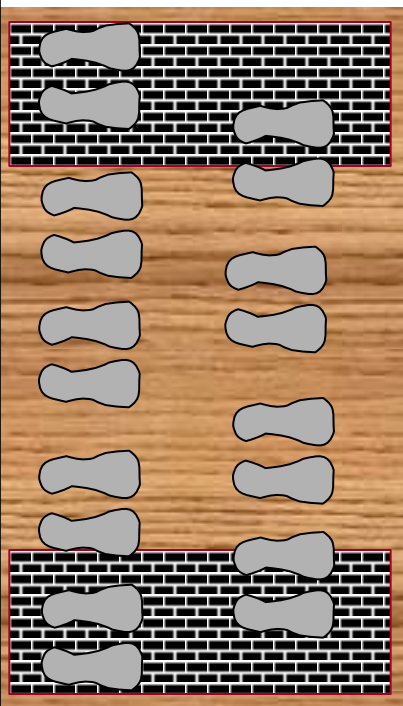
Prodigies: major disturbances of the natural order, such as stones raining down from the sky, blood issuing from fountains, etc. The perceived effects of these might last for many years, unless expiated by the *decemviri* (10 priests), who might consult the Sybilline Books for advice.



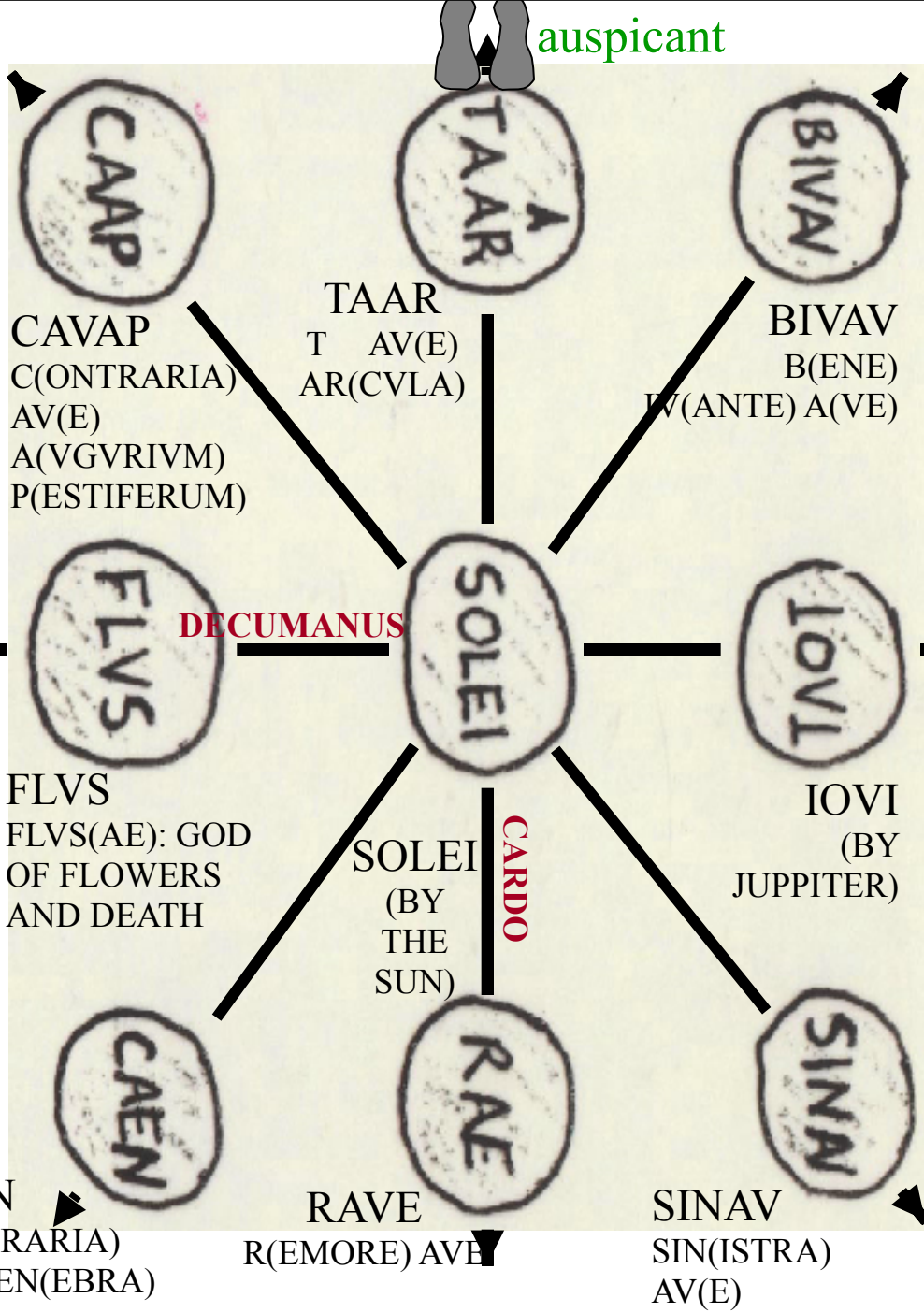
*'templum augurale
(in terris)'* from
Bantia, near Venosa
(Venusium), ca.
100-90 BC



(stage) right, WEST
[setting sun]
Unfavorable Deities
(Dii Inferii):
Saturn, Orcus,
Moirae (the Fates)



attending **priests of the College of Augurs** (9)
standing on a wooden platform



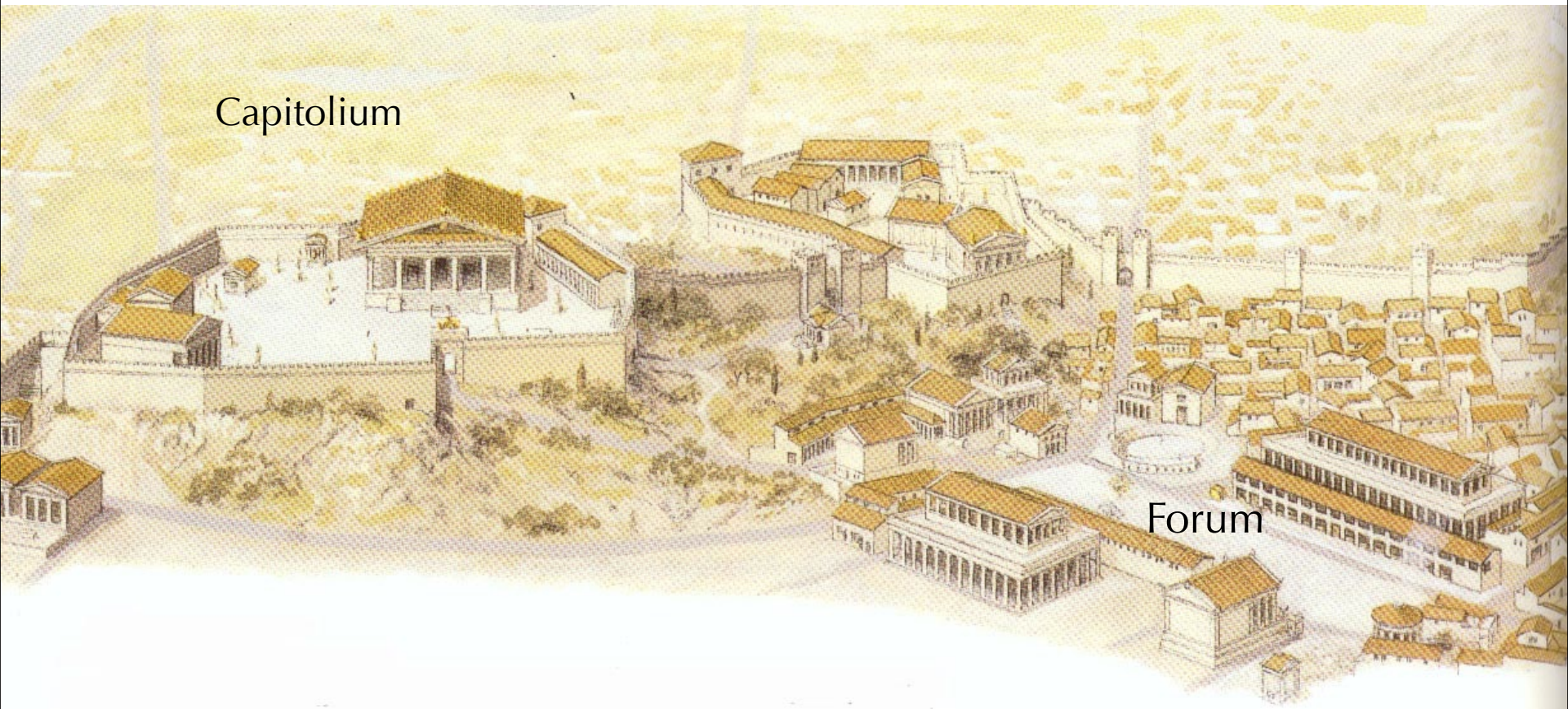
(stage) left, EAST
[rising sun]
Favorable Deities
(Dii Superi):
Juppiter, Juno,
Minerva

Signs in a given zone of the sky would be read as coming *from* the deity of that zone. The **CARDO** was the 'hinge of fate' between east and west.

Templum Augurale at Bantia
(near Venosa),
ca. 100-90 BC

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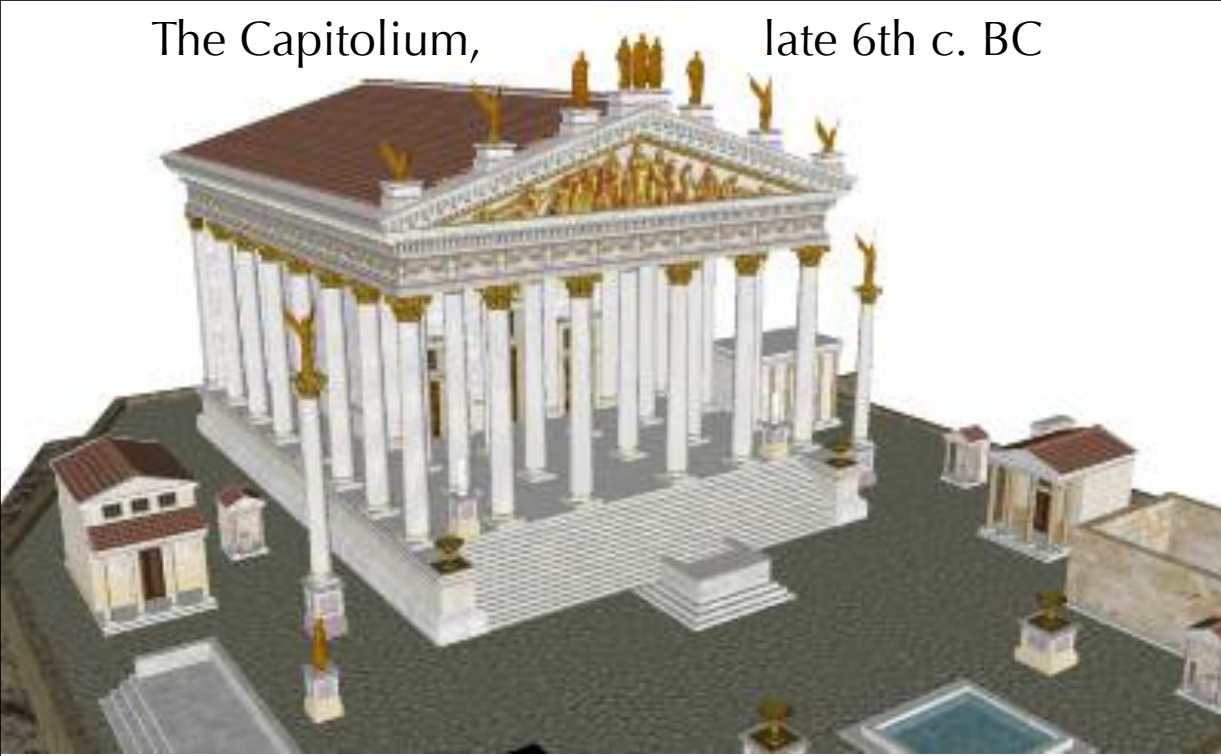
Capitolium



Forum

The Capitolium,

late 6th c. BC



Antefix
from the
Capitolium,
late 6th c. BC

Temple of Apollo at Veii, late 6th c. BC

Leto: akroterion
from the Temple
of Apollo at Veii,
late 6th c. BC

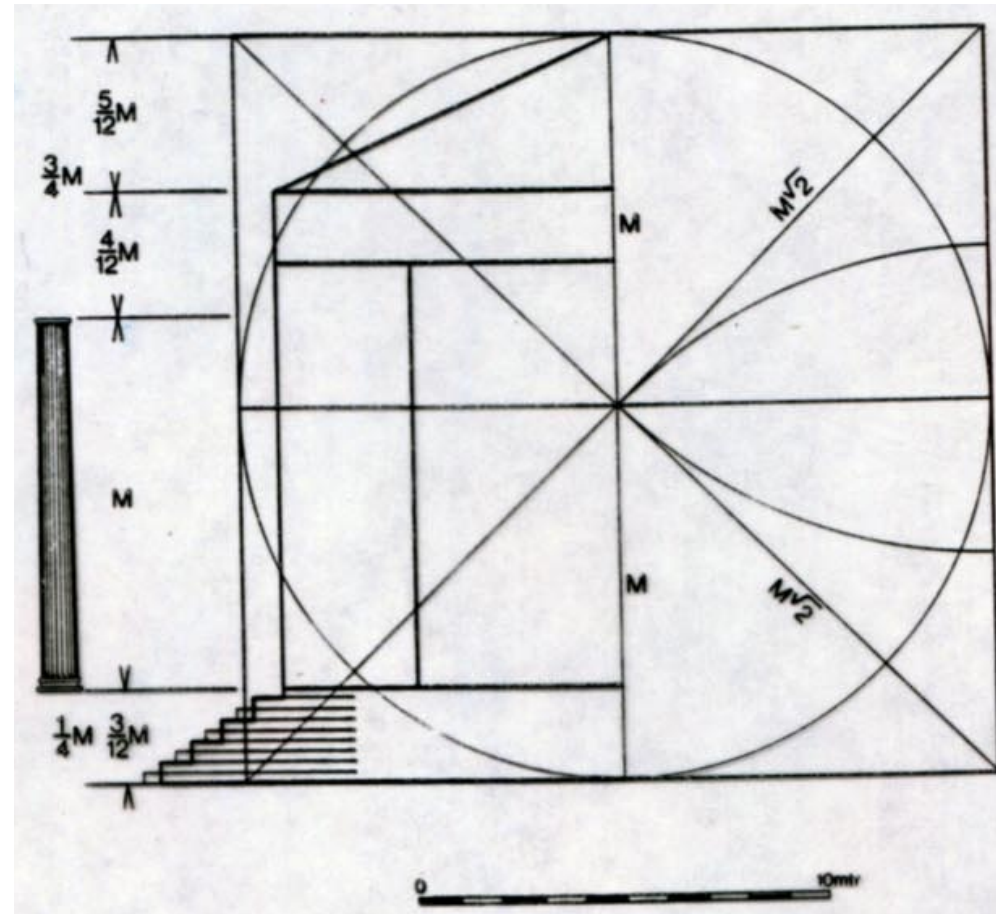
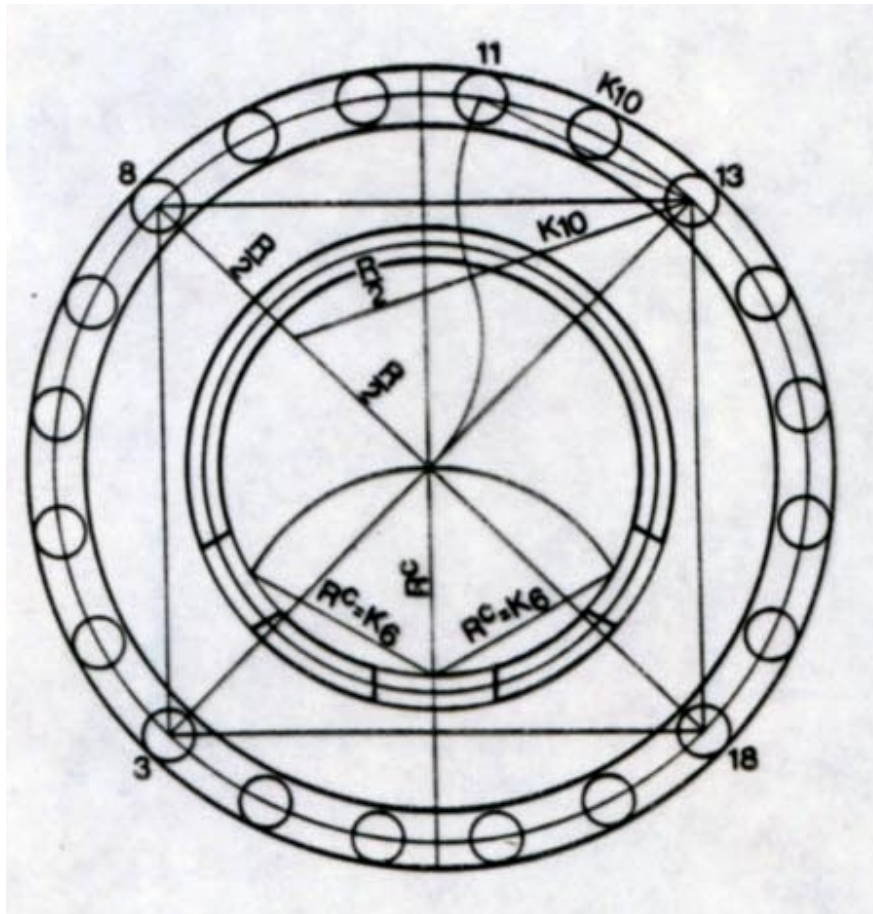


Republican-era temples in Rome:

Hercules, in the Forum Boarium

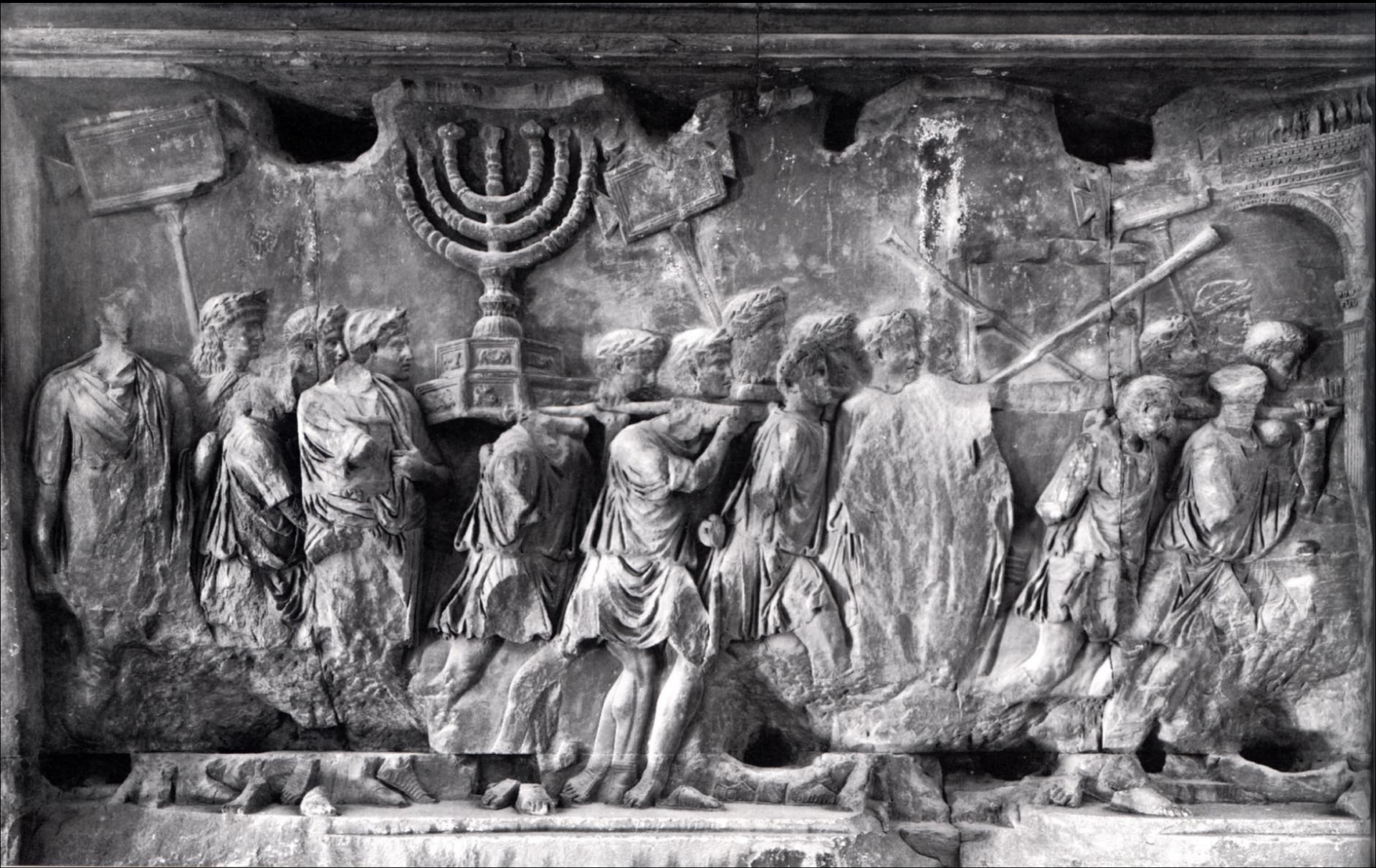


The round Hercules temple is of the Corinthian order: it was built by a Greek architect using Athenian Pentelic marble, and perhaps funded by a Roman olive-oil merchant named Marcus Octavius Hersennus. It is the earliest extant marble temple in Rome.

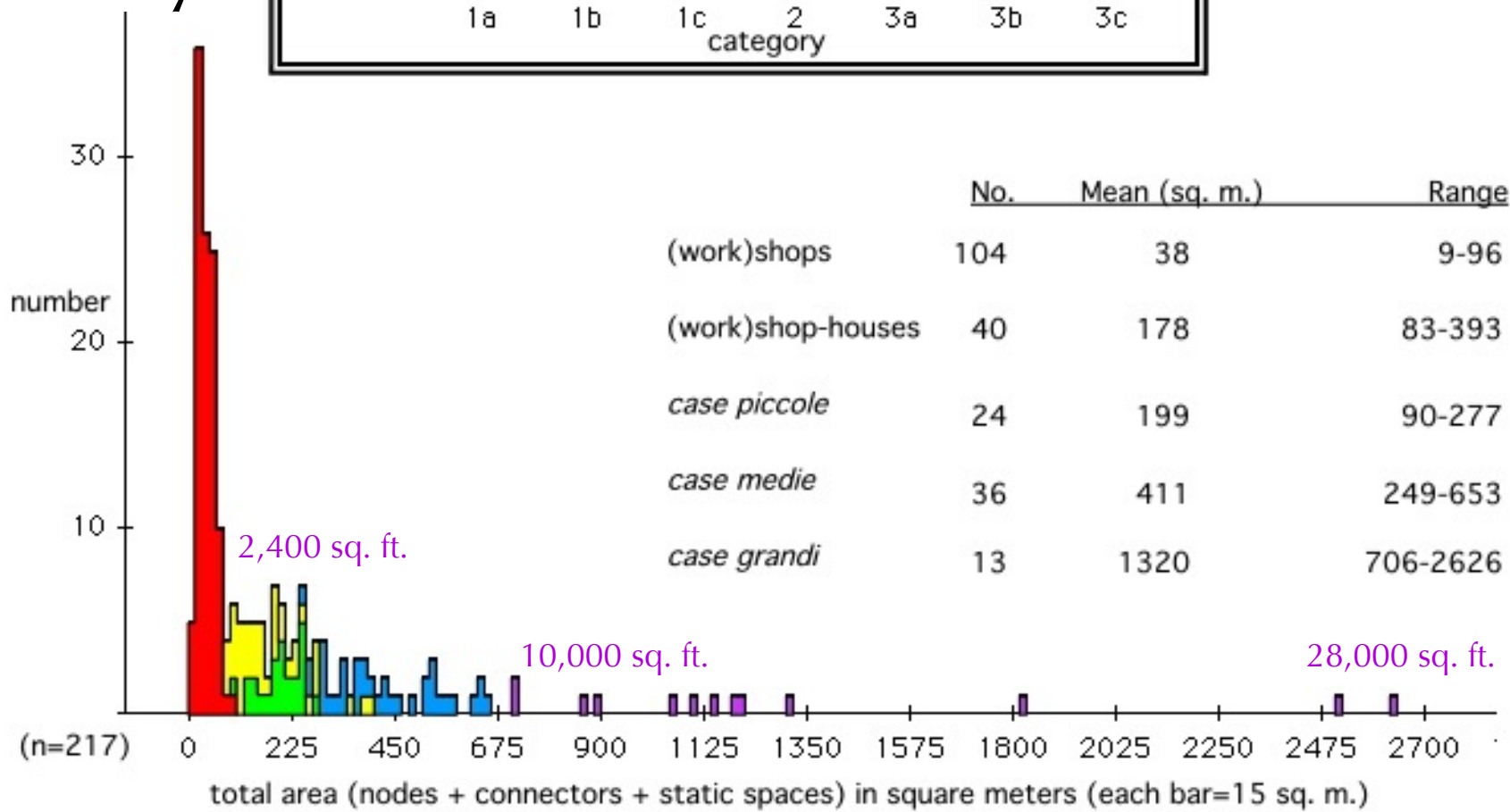
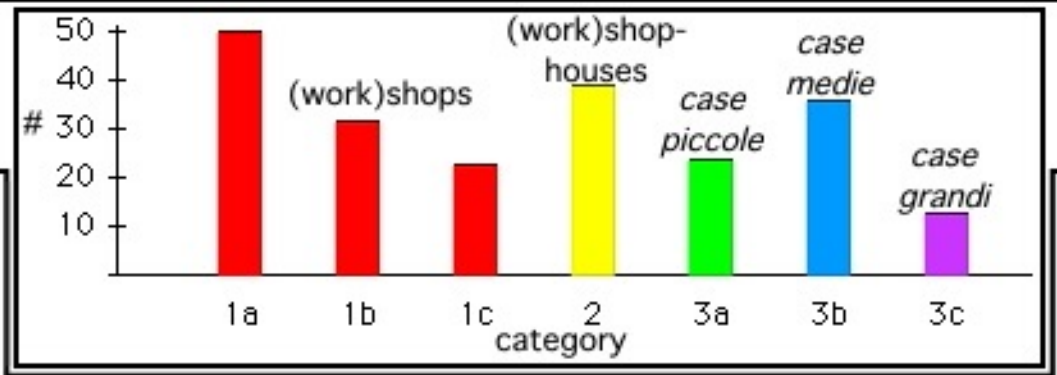


The design uses *both* Greek and Roman feet as measurements ([Greek for the ground plan](#) and [Roman for the elevation](#)). Measurements for the plan are based on the radius of its circle ('R'). Measurements for the elevation are based on the module 'M' = the height of the columns.

Stress occurred when the Romans met the *limits* of their tolerance, e.g. with Jews and Christians. Interior passageway of the Arch of Titus in Rome (ca. AD 81, S. side), showing the spoils of the Temple of Jerusalem (incl. the menorah) carried in procession.



8. Socio-economic mobility

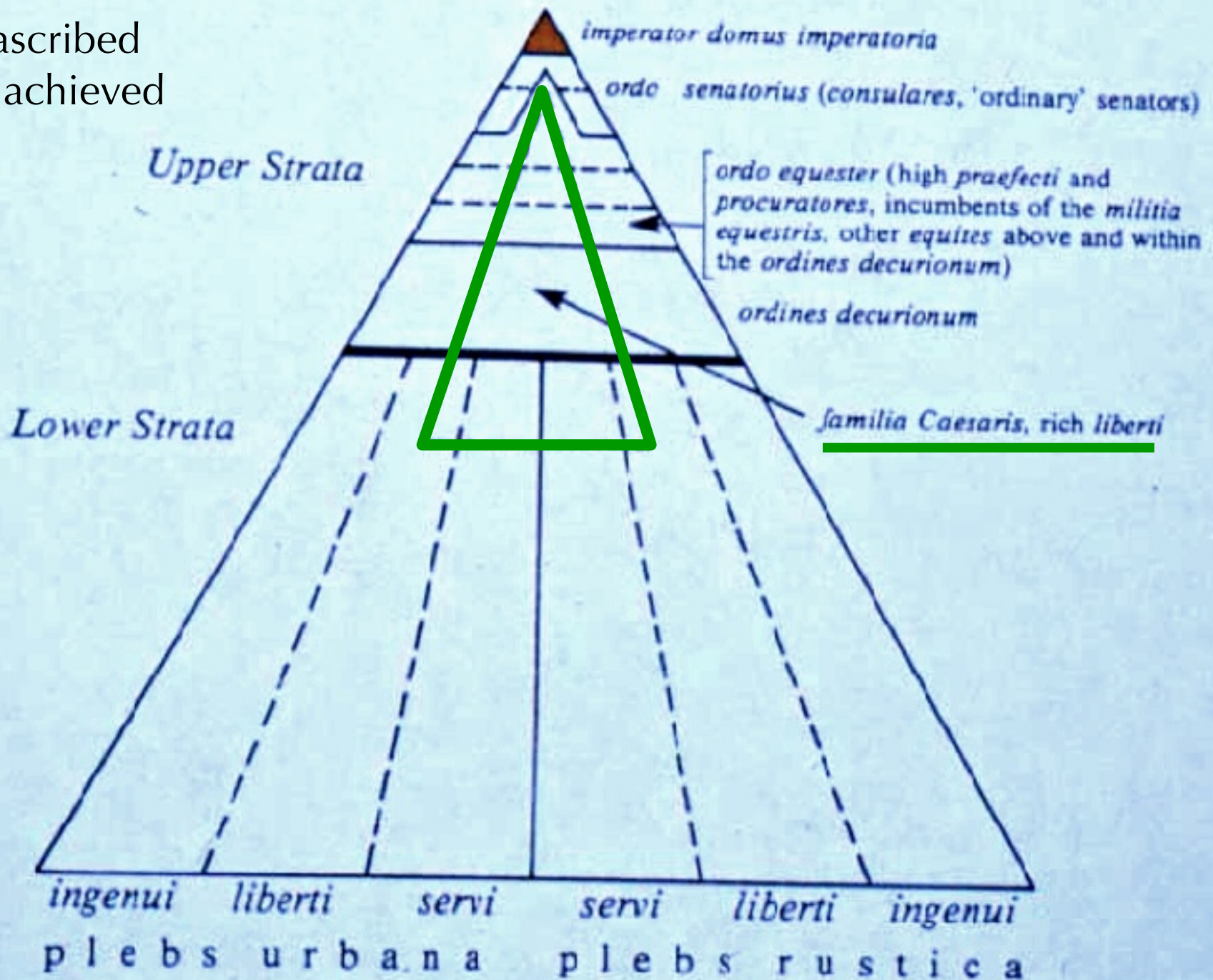


The single most important measure of wealth for social purposes was **land**. A minority had the majority of property.

all buildings:
total area

A sample of houses from Pompeii: a few large houses, some mid-sized houses, and many small shop-houses.

Rank: ascribed
Status: achieved





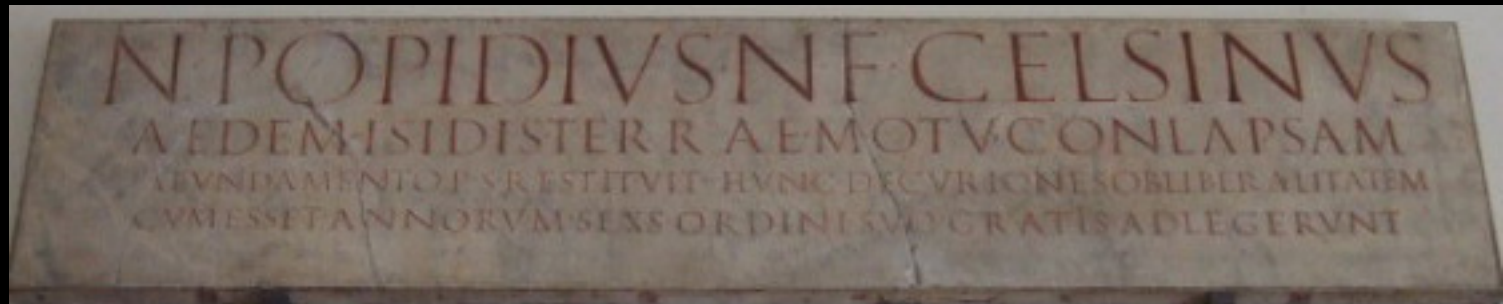
2nd-style mosaic set into the table top of the outdoor dining-room of taberna I.5.2, a tanner's workshop at Pompeii:

The mortality that connects rich and poor;
mors omnia aequat...

K.M. Dunbabin, "Sic Erimus Cuncti: the skeleton in Graeco-Roman Art," *Jdl* 101 (1986), 185-255.



Pompeii: The Earthquake of AD 62, depicted on a *lararium* in the House of L. Caecilius Iucundus (V.1.26) showing buildings shaken up at the north end of the Forum.



Numerius Popidius Celsinus, son of Numerius, rebuilt at his own expense from its foundations the Temple of Isis, which had collapsed in an earthquake; because of his generosity, although he was only six years old, the town councillors nominated him into their number free of charge.

(CIL X 846 = ILS 6367)

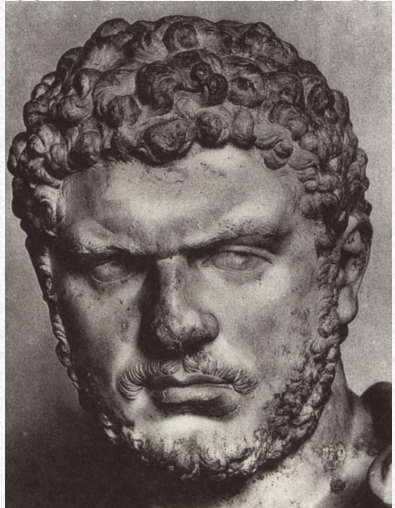
Pompeii: post-AD 62 repairs to the Temple of Isis, as 'paid for' by a 6-yr old freedman's son, and commemorated in a inscription over the entrance to the sanctuary. Why?

Constitutio Antoniniana, AD 212, first discovered on the Giessen papyrus no. 40, col. I, bought in Hermopolis, Egypt in 1902

(b) = Meyer, *Jur. Pap.*, n. 1.

(b)

[Αὐτοκράτωρ Καῖσαρ Μᾶ]ρκος
Λυρήλι[ος Σεουήρος] Ἀντωνί-
νο[ς] Σ[εβαστό]ς λέγει· | [Νυνὶ
δὲ χρ]ῆ μᾶλλον ἀν[αβα-
λόμενον τὰ]ς αἰτίας κ[α]ὶ το[ύς]
λ[ιβ]έλλου[ς] | [ζῆτείν, ὅπως ἂν
τοῖς θεοῖς τι οἷ]ς ἀθ[αν]άτοις εὐ-
χαριστήσαιμι, ὅτι τῇ τοιαύτῃ |
[νίκη] (?) σῶ[ο]ν ἐμέ
συν[ετή]ρησαν. Τοιγαροῦν νομίζω
5 [ο]ύτω με|[γαλοπερεπ]ῶς (?) καὶ
εὐσεβ[ε]ῶ[ς] δύνασθαι τῇ μεγα-
λει[ό]τητι αὐτῶν τὸ ἱκανὸν ποι-
εῖν, εἰ τοὺς ξένους, ὅς]τακας ἔάν
ὑ[π]εισέλθ[ω]σιν εἰς τοὺς ἐμοὺς
ἀν[θρ]ώπους, | [εἰς τὰς θρησκείας
(?) τῶ]ν θεῶν συνεπενέγ[χοι]μι.



(c) = Wilhelm, *AJA*, 38.

(c)

[Αὐτοκράτωρ Καῖσαρ Μᾶ]ρκος
Λυρήλι[ος Σεουήρος] Ἀντωνί-
νο[ς] Σ[εβαστό]ς λέγει· | [Πάν-
τως εἰς τὸ θεῖον χρ]ῆ μᾶλλον
ἀν[αφέρειν καὶ τὰ]ς αἰτίας κ[α]ὶ
το[ύς] λ[ογι]σμοῦ[ς]. | [Δικαίως
δ' ἂν κἀγὼ τοῖς θεοῖς τ[οῖς]
ἀθ[αν]άτοις εὐχαριστήσαιμι, ὅτι
τῇ[ς] τοιαύτῃ[ς] | [ἐπιβουλῇς
γενομένης σῶ]ν ἐμέ συν[ετή]ρη-
σαν. Τοιγαροῦν νομίζω [ο]ύτω
5 με|[γαλομερ]ῶς καὶ θεοπερ[ε]π[ῶς]
δύνασθαι τῇ μεγαλει[ό]τητι
αὐτῶν τὸ ἱκανὸν ποι[εῖν, εἰ τοσά-
κις μυρίους ὅς]τακας ἔάν ὑ[π]εισ-
έλθ[ω]σιν εἰς τοὺς ἐμοὺς ἀν-
[θρ]ώπους | [ὥς Ῥωμαίους εἰς τὰ
ἱερὰ τῶ]ν θεῶν συνει[σ]τενέγ[χοι]-
μι. Δίδωμι τοί[ν]υν ἅπα[σιν] τοῖς
κατοικοῦσιν τ]ὴν οἰκουμένην π[ο]-
λιτ[ε]ίαν Ῥωμαίων [μ]ένοντος |
[οὐδενὸς ἐκτὸς τῶν πολιτευμ]ῶ-
των χωρ[ίς] τῶν [δε]δειτικίων.
10 Ὅ[φ]ειλει [γ]ὰρ τὸ | [πλήθος
οὐ μόνον τᾶλλα συνυπομέ]νειν
πάντα, ἀ[λλ]ὰ ἤδη κ[α]ὶ τῇ νί-
κῃ ἐνπεριε[λ]ήφθαι. Τοῦτο δὲ τὸ
ἐμὸν διάτ[αγμα] ἐ[ξ]απ[ω]λώσει
[τὴν] μεγαλειότητα [το]ῦ Ῥω-
μα[ί]ου δῆμου. Συμβαίνει γάρ
τὴν αὐτῇ[ν] περὶ τοὺς [ἄλλο]υς
γεγενῆσθαι ἥπερ δ[ι]α[π]ρέπουσιν
ἀνέκαθεν Ῥωμαῖοι τιμῇ κα[τα]-
λειφ[θέντων] ὧν τῶ[ν] ἐ-
κάστης κτλ.

Imperator Caesar Marcus Aurelius Seuerus Antoninus Augustus dicit : Nunc uero potius oportet querellis et libellis sublatiis quaerere quomodo diis immortalibus gratias agam, quod ista uictoria me seruauerunt. Itaque existimo sic magnifice et religiose maiestati eorum satisfacere me posse, si peregrinos, quotiens cumque in meorum hominum numerum ingressi sint, in religiones (?) deorum inducam. **Do igitur omnibus peregrinis, qui in orbe terrarum sunt, ciuitatem Romanorum**, manente omni genere ciuitatum, exceptis dediticiis. Oportet enim multitudinem non solum omnia sed etiam uictoria circumcingi. Praeterea hoc edictum augebit (?) maiestatem populi Romanorum cum facta sit eadem aliorum (?) (peregrinorum ?) dignitas.

The Emperor Caesar Marcus Aurelius Severus Antoninus Augustus [Caracalla] declares: . . . I may show my gratitude to the immortal gods for preserving me in such Therefore I consider that in this way, I can render proper service to their majesty . . . by bringing with me to the worship[?] of the gods all who enter into the number of my people. **Accordingly, I grant Roman citizenship to all [foreigners] throughout the world**, with no one remaining outside the citizen bodies except the *dediticii* [those who surrendered to the Romans]. For it is proper that the multitude should not only help carry[?] all the burdens but should also now be included in my victory. This edict shall . . . the majesty of the Roman people . . .