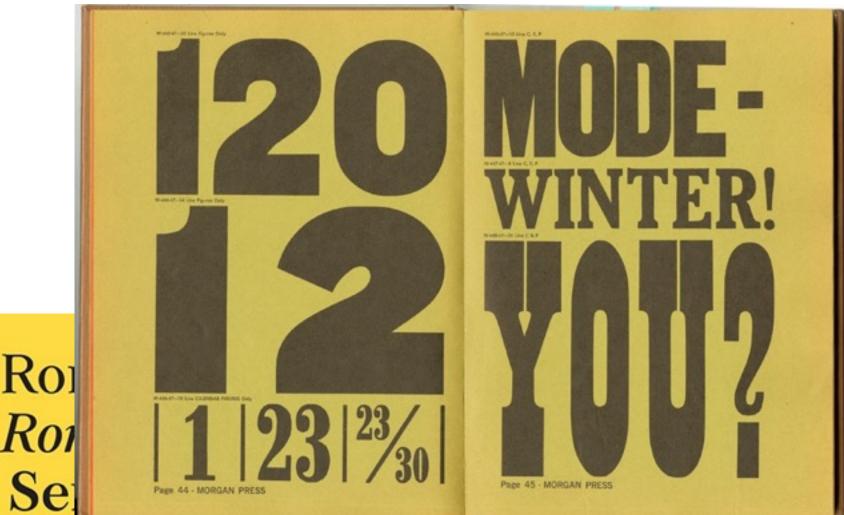
AHISTORY OF TYPE

Jüri Arrak: Panga Rehe Initial 1975



Sei ARCHIVE Semibold Italic ARCHIVE Bold ARCHIVE Bold Italic

ARCHIVE Extra Bold I

ARCHIVE Extra Bold

ARCHIVE Mono





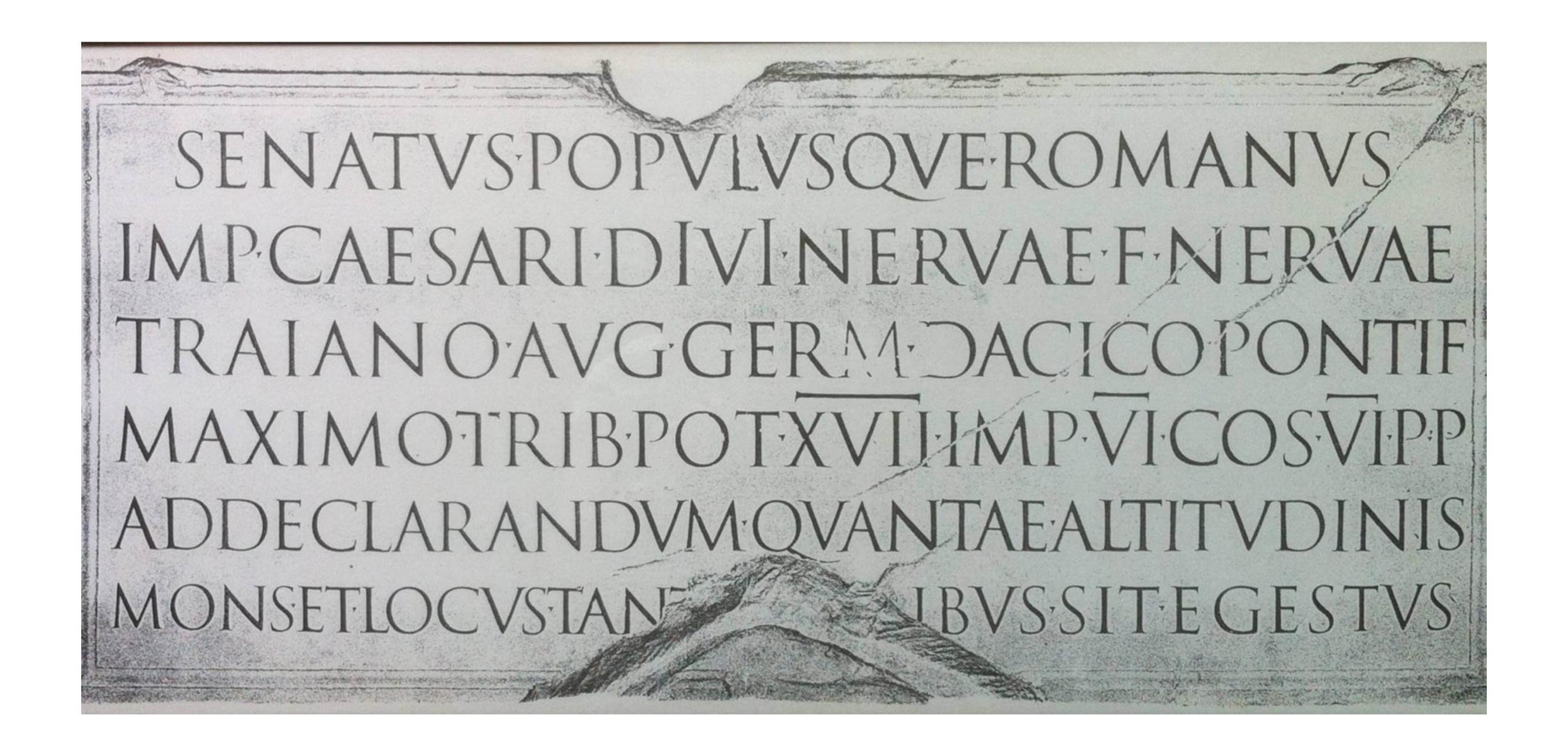


Knowing the history of type and understanding how, why, and within what circumstances the different categories of type developed will enable you to make more sophisticated and intelligent design choices and ultimately make you a better designer.



TRAJAN

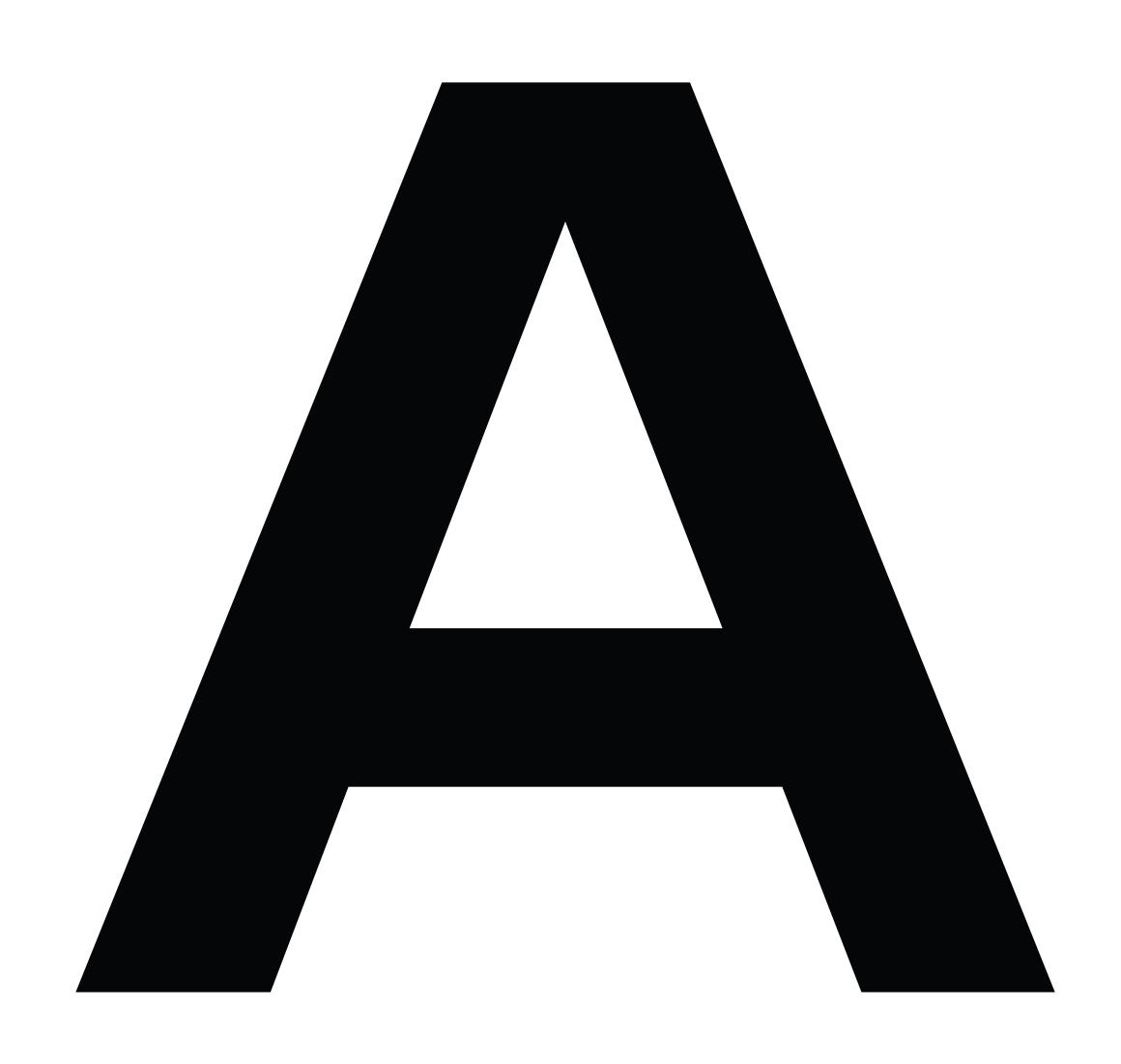
Carol Twombly for Adobe, 1989



Trajan's Column,114 AD, Rome, Italy

2,000 years

SHAPES ACTIVATE



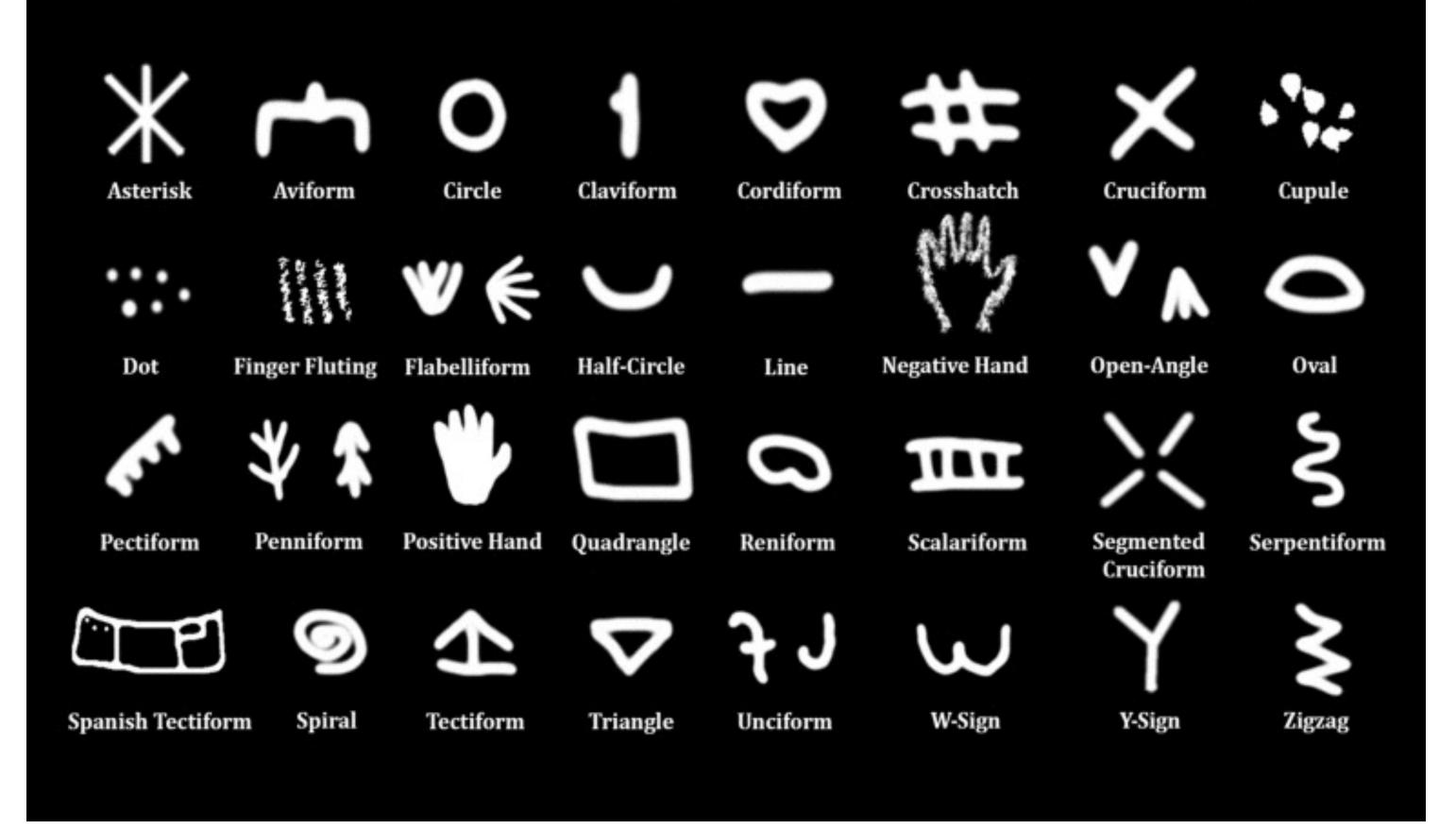
Genesis of Visual Communication Development of Latin Alphabet Evolution of Written Language Birth of Typography

ICE AGE

40,000 years ago

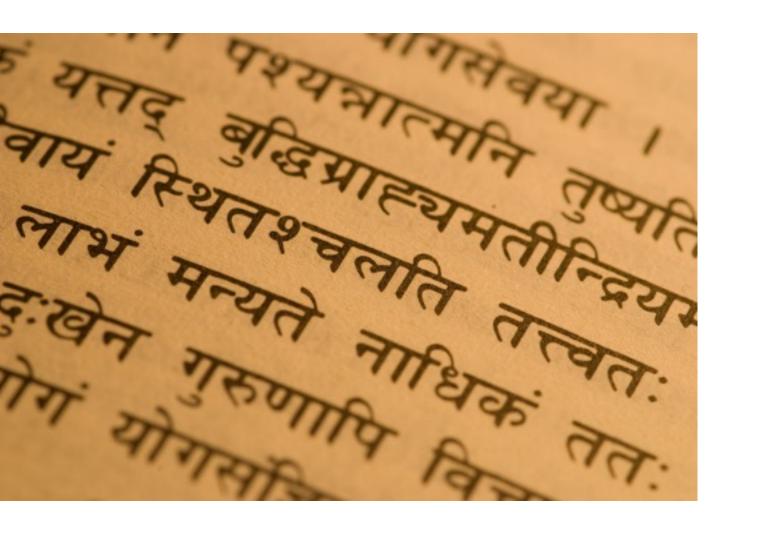
Written languages first developed from prehistoric hunting communities living in Europe, Northeast Africa, and the middle east who communicated through the use of visual symbols.

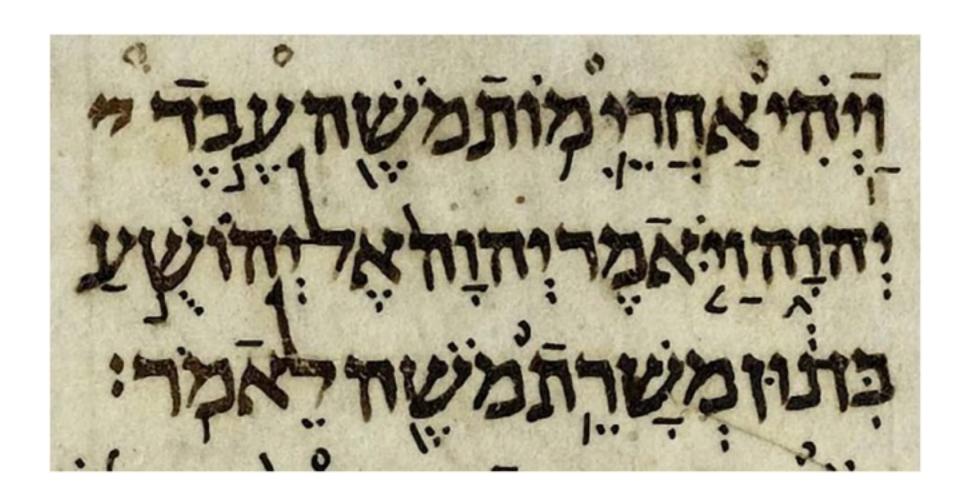
The Geometric Signs of Ice Age Europe



ALPHABETS SYMBOLOGY VISUALART

Between 3,000 BC and 500 AD: the development of the world's most widely used writing systems







Nagari



Latin



تخت جمشید یا پارسه (یا پرسپولیس)، پرسهپلیس

هزارستون، صدستون و یا چهلمنار) نام یکی از شهرهای

باستانی ایران است که طی سالیان پیوسته، پایتخت

باشکوه و تشریفاتی پادشاهی ایران در زمان امپراتوری

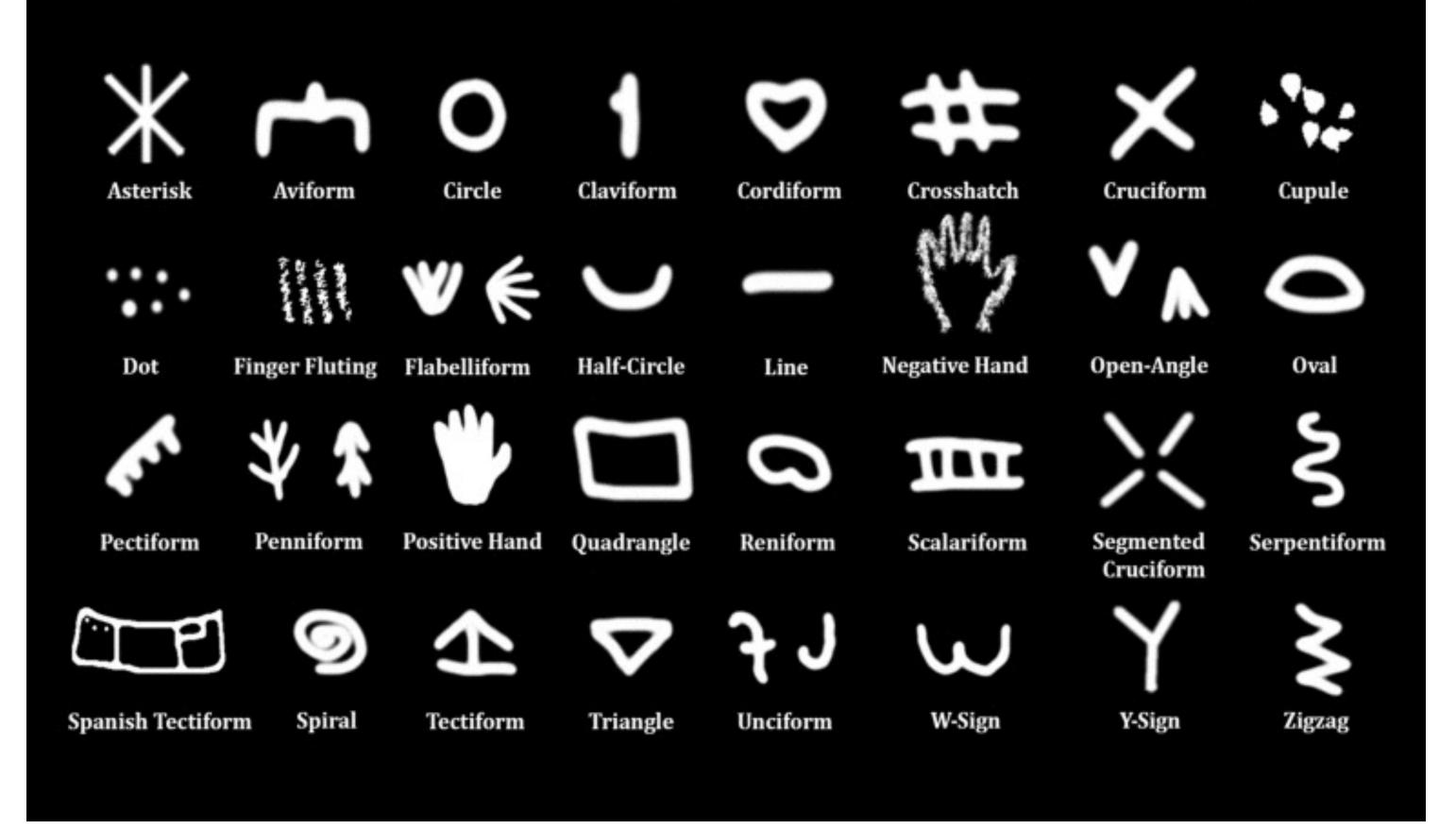
هخامنشیان بودهاست. در این شهر باستانی کاخی به نام

تخت جمشید وجود دارد که در دوران زمامداری داریوش

Arabic

Chinese

The Geometric Signs of Ice Age Europe



pictogram abstract symbols modular components within a system

what drives development? 1. accessibility 2. speed & efficiency 3. adaptability

As more people adopt a system, the more modular and accessible that system has to be; and, the more simple and abstract it becomes.

Materials and techniques define the visual expression of language.

Chinese Alphabet



Canglie 2650 BC

Picture		E	volutio	n	Mod	ern character	English	
-6 /		0	>	Θ		F	sun	
	>	9		A	>	月	moon	
CHE STORY	->	*	>	*	>	木	tree	
M	-> .	M	>	لل		山	mountain	
A STATE OF THE PARTY OF THE PAR		1/2	>	X		水	water	
A TOTAL	>	#	>	0	>	田	field	
厚則	->	月月		甲	>	月	door	

Figure 6.1. The evolution of pictographic characters.

Latin Alphabet



Egyptian 3,000 BC



Sinai 1,850 BC



Phoenician aleph 1,200 BC



Greek alpha 600 BC

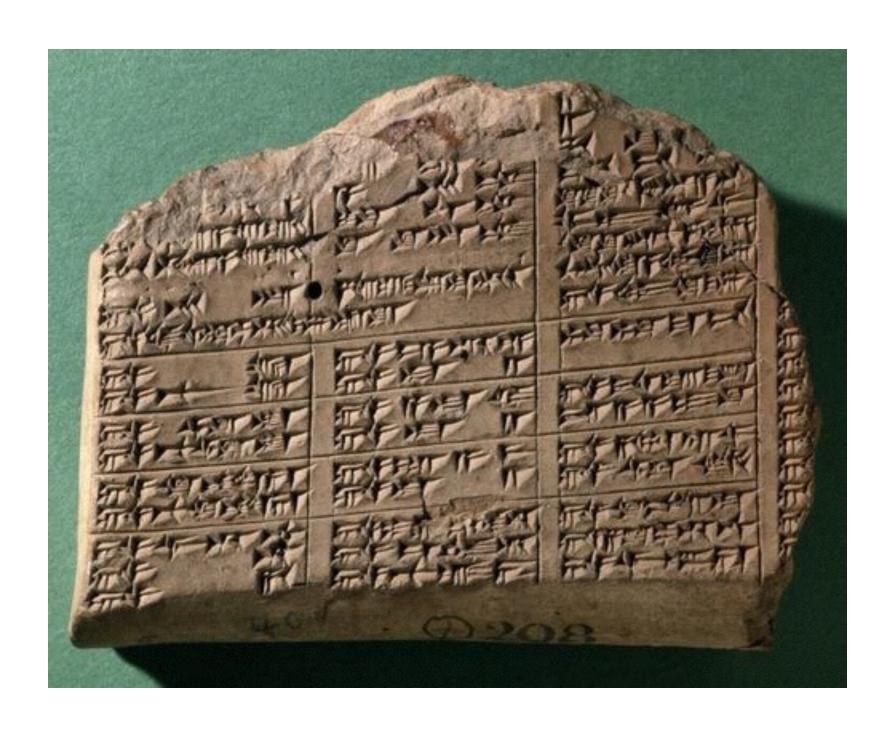


Roman A 114 AD

Cuneiform

PICTOGRAPHIC SIGN c. 3100 BC	*	V/	~:	X	75		A D	1	RIVER
INTERPRETATION	star	?sun over horizon	?stream	ear of barley	bull's head	bowl	head + bowl	lower leg	?shrouded body
CUNEIFORM SIGN c. 2400 BC	*	1	7		4	T		K	NO TO
CUNEIFORM SIGN c. 700 BC (turned through 90°)	+	27	YŦ	*	1	Ψ	中国	HI	二
PHONETIC VALUE*	dingir, an	u ₄ , ud	a	še	gu ₄	nig ₂ , ninda	ku ₂	du, gin, gub	lu ₂
MEANING	god, sky	day, sun	water, seed, son	barley	ox	food, bread	to eat	to walk, to stand	man

earliest writing systems:



Cuneiform developed by the Sumerian civilization from 3100 to 700 BC

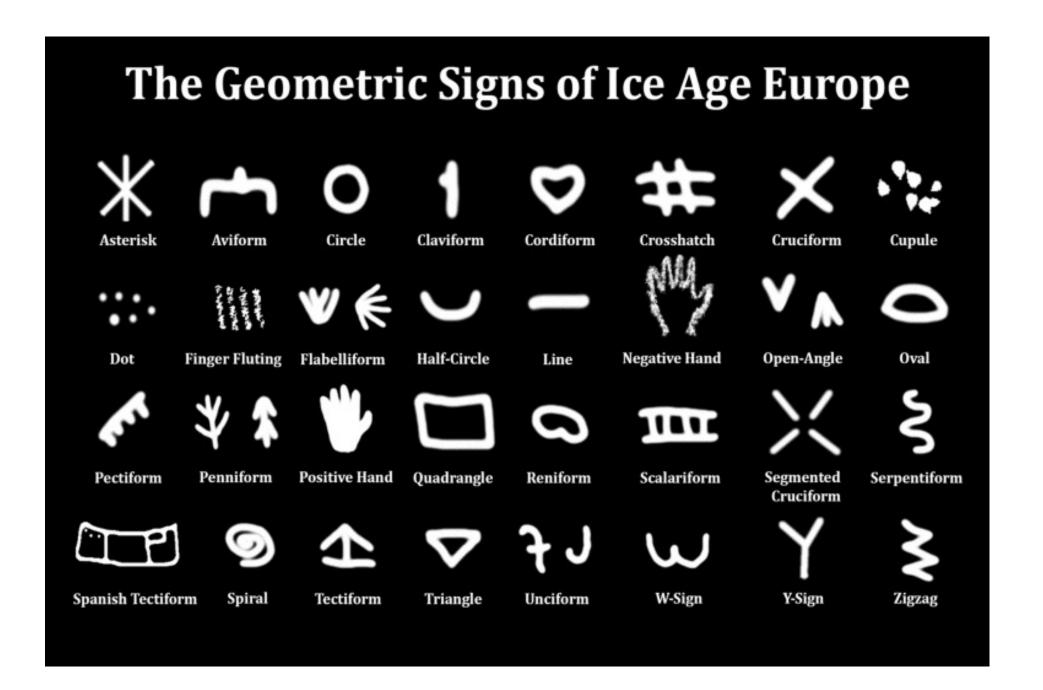


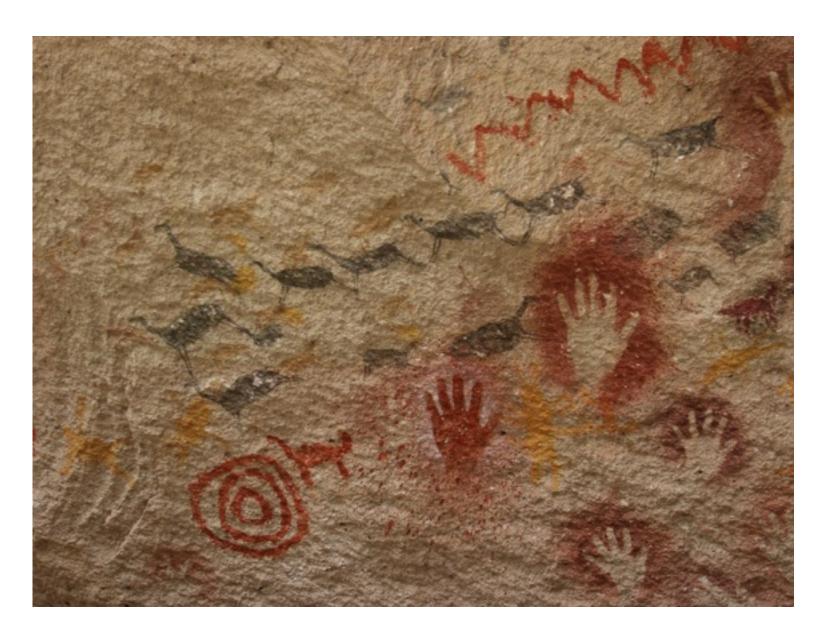
Hieroglyphics developed by the Egyptian civilization in 3000 BC to 400 AD

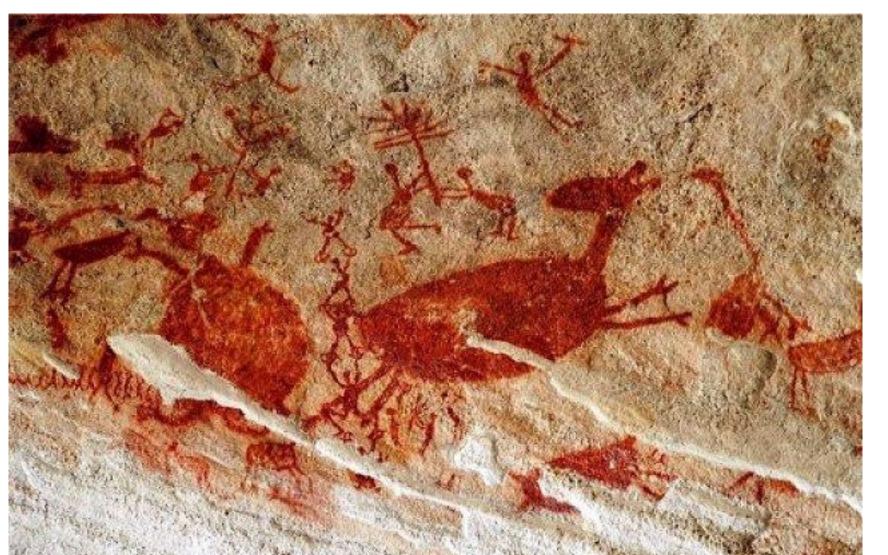


TECHNOLOGY ARTIFACTS VALUES CONTEXT

CONTEXT







TECHNOLOGY

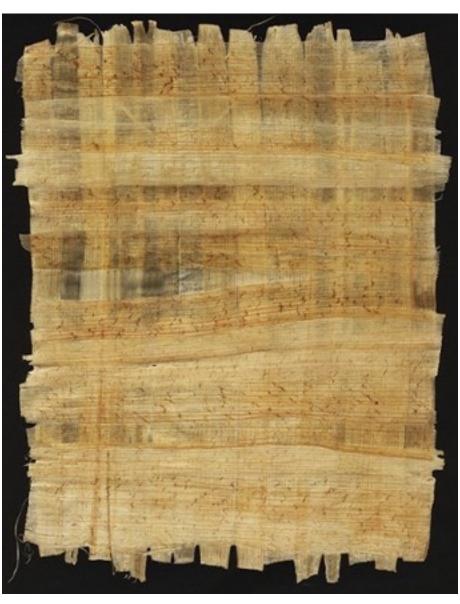


stone and clay









papyrus

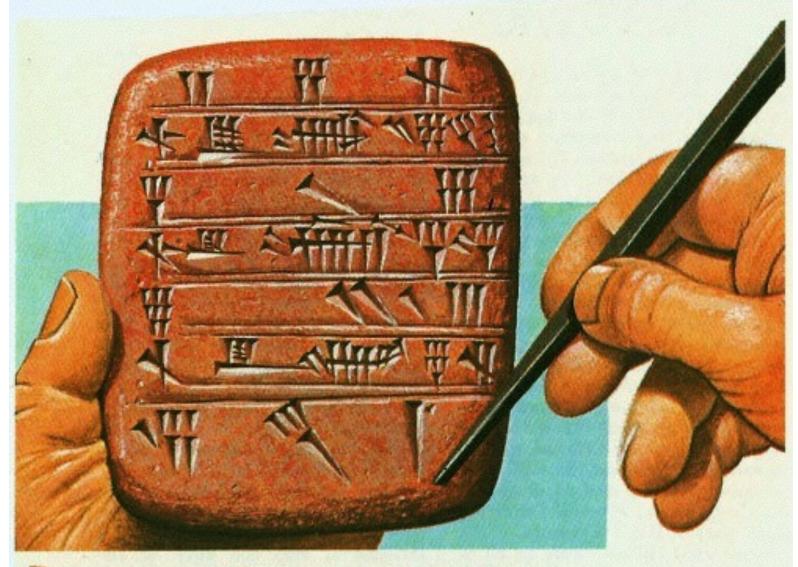
ARTIFACTS VALUES

SUMERIAN





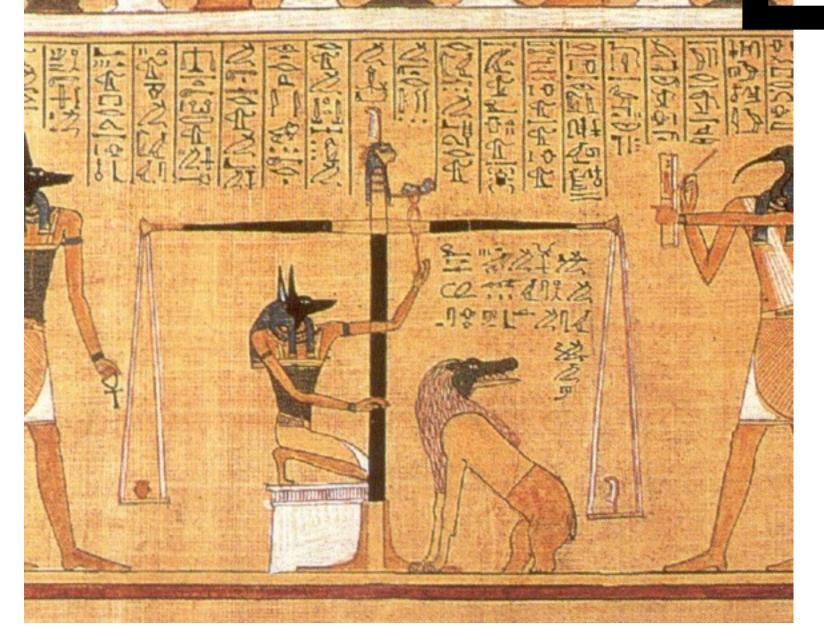


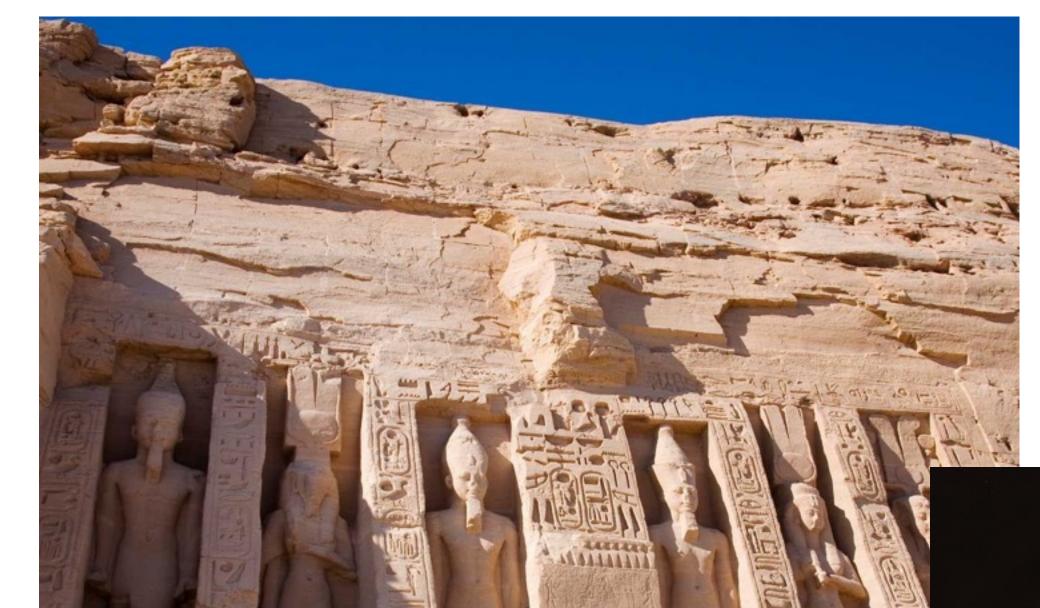






EGYPTIAN





















Books of the Dead











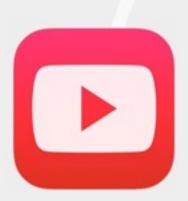






























































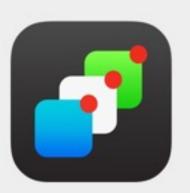










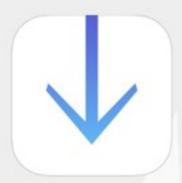
























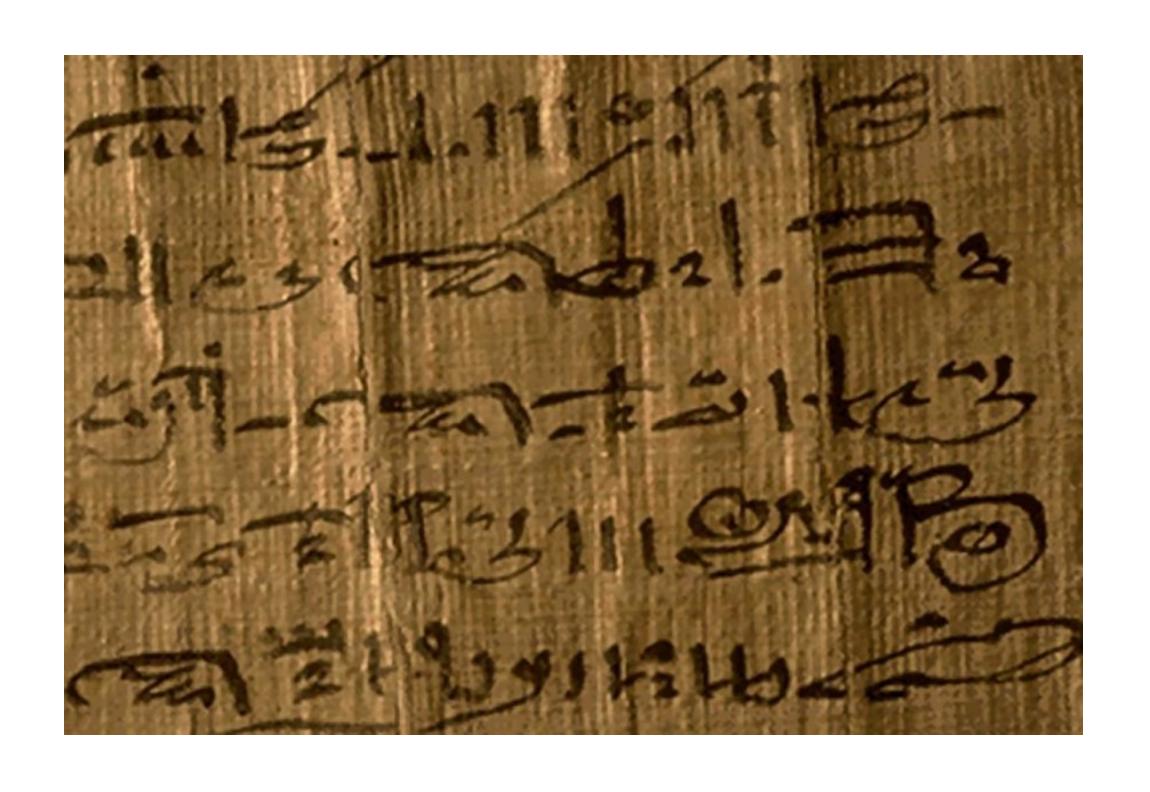


REBUS



what drives development? 1. accessibility 2. speed & efficiency 3. adaptability



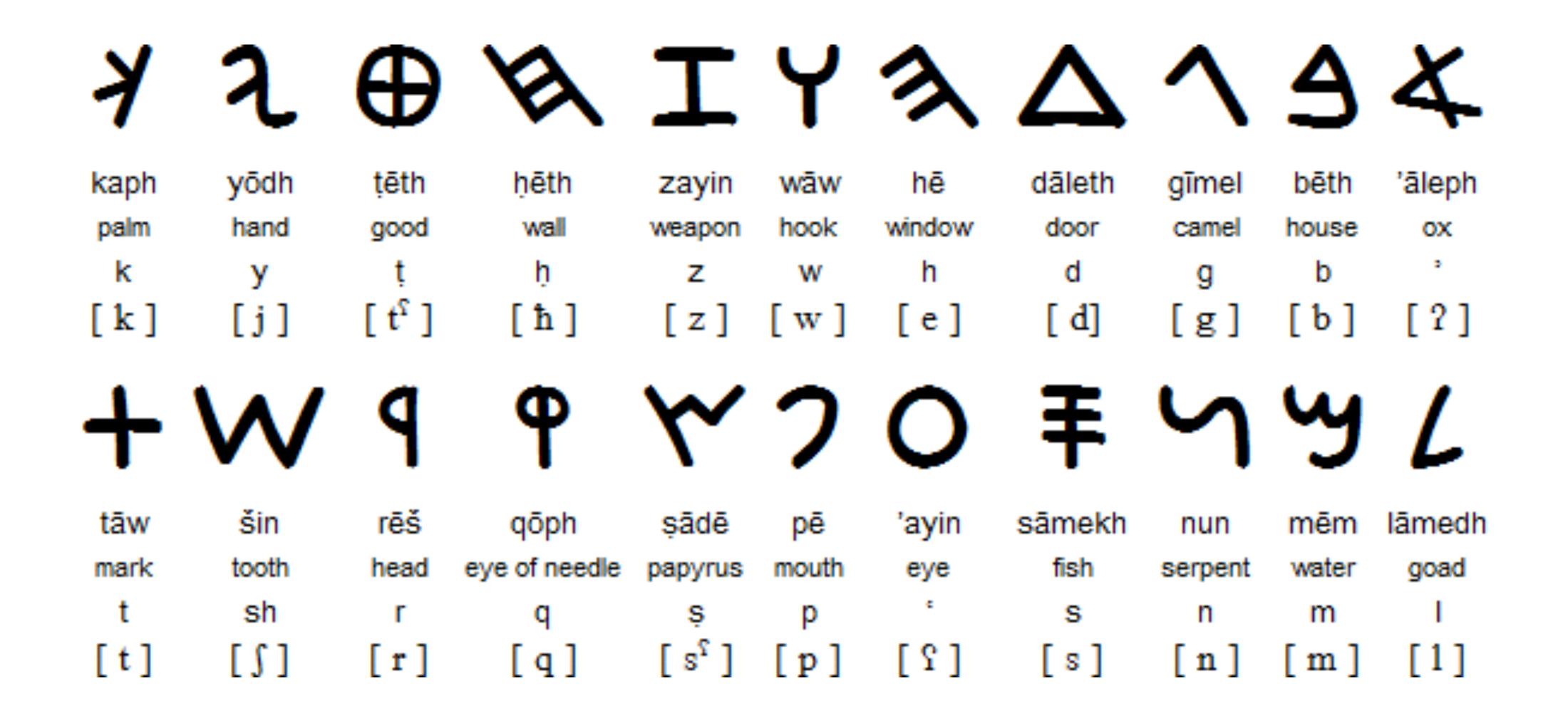


Hieratic Script



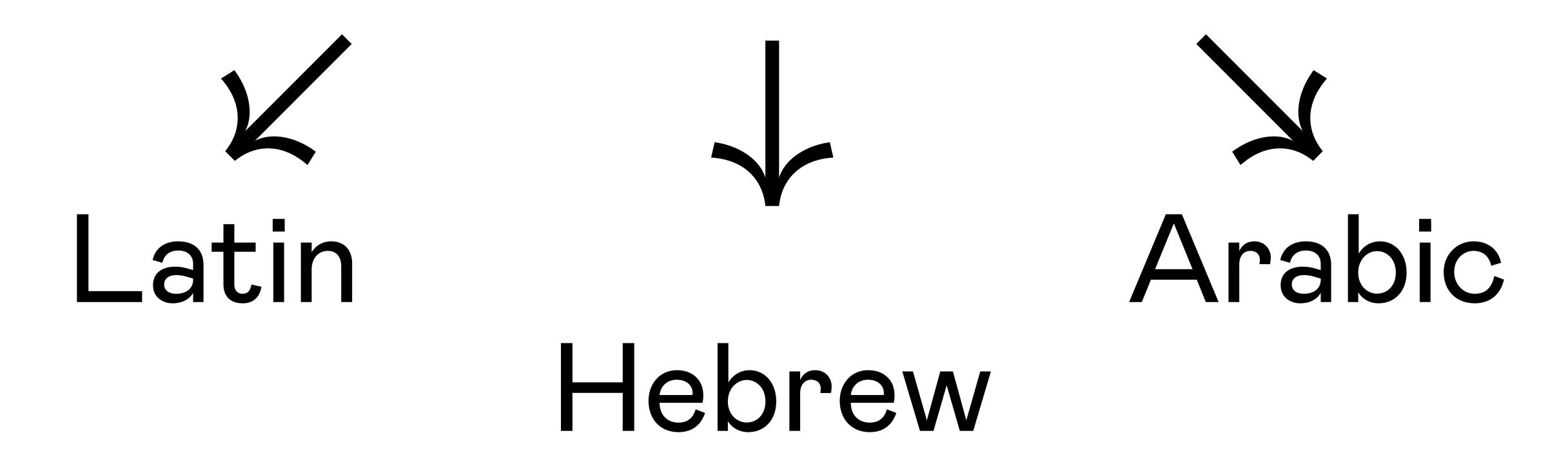
Demotic Script

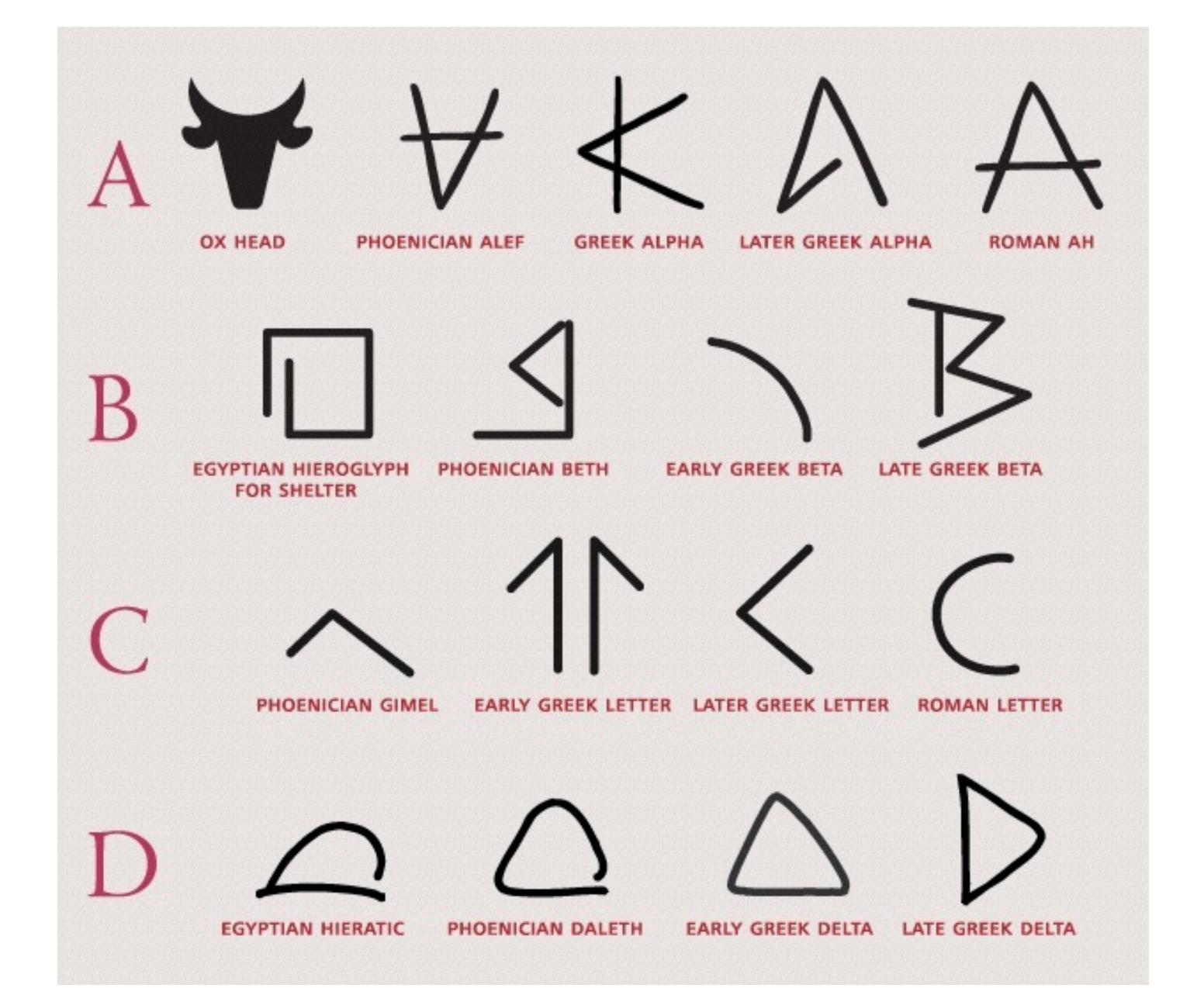




1050 BC Phoenician Alphabet—22 characters

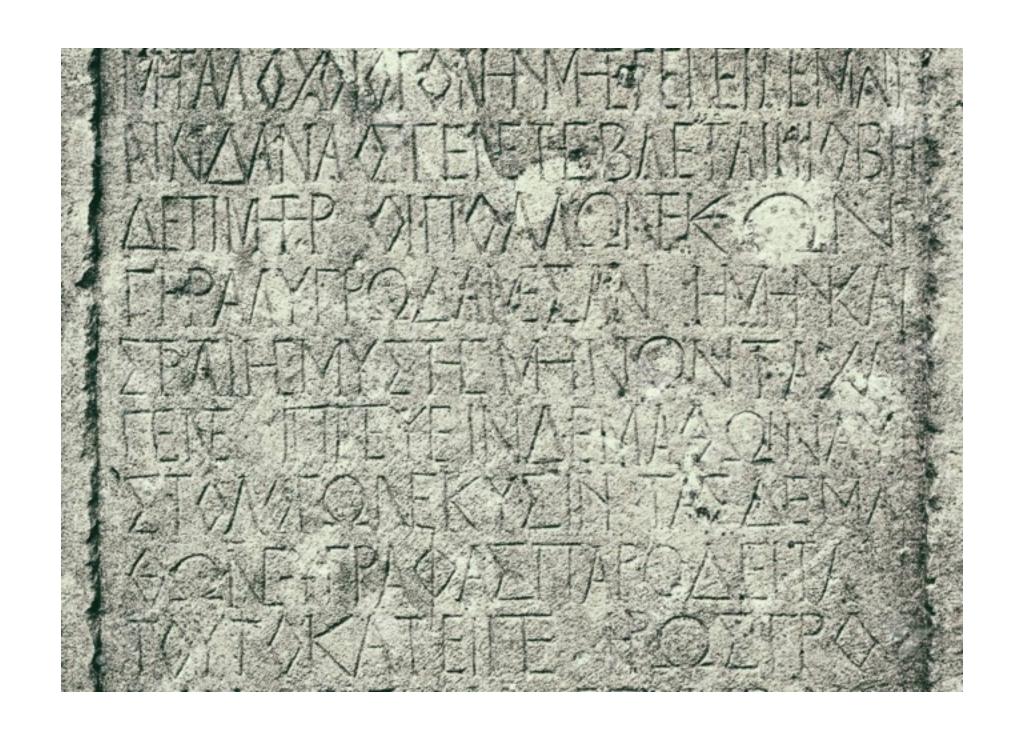
Phoenician Alphabet

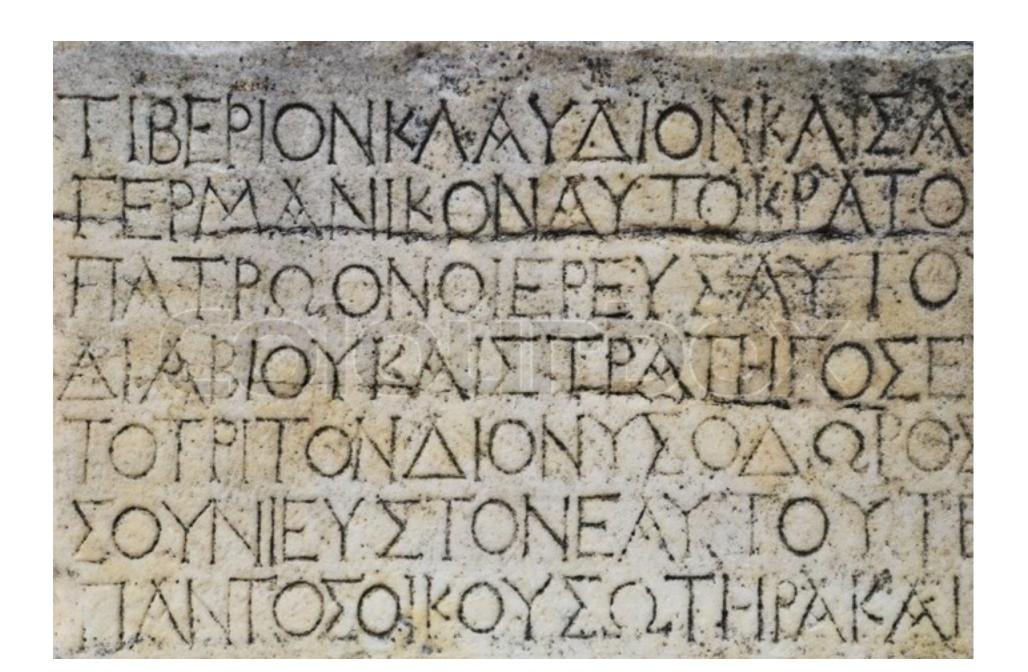


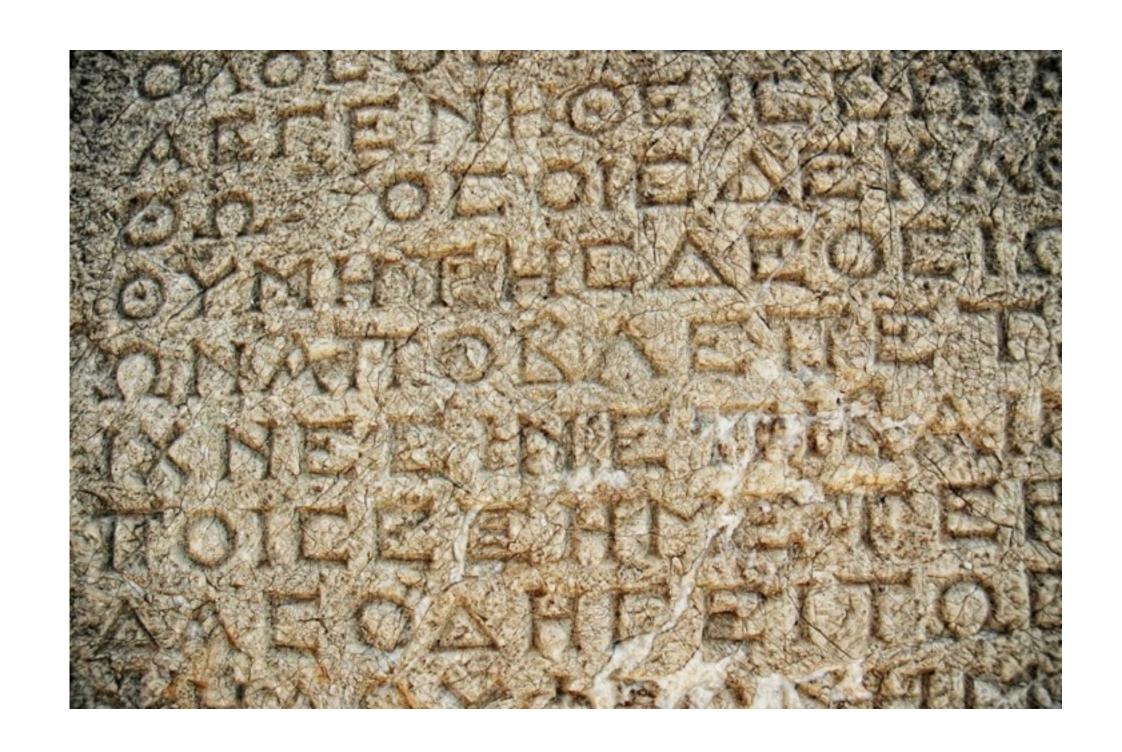


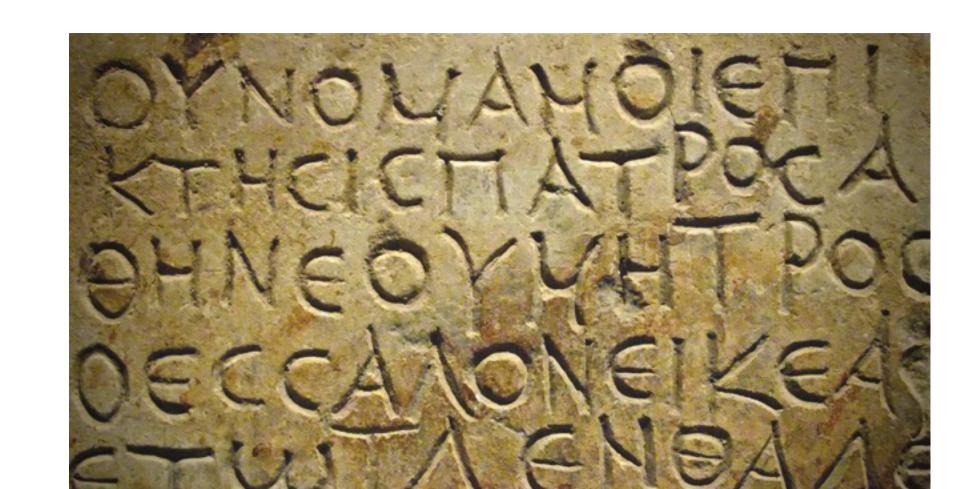


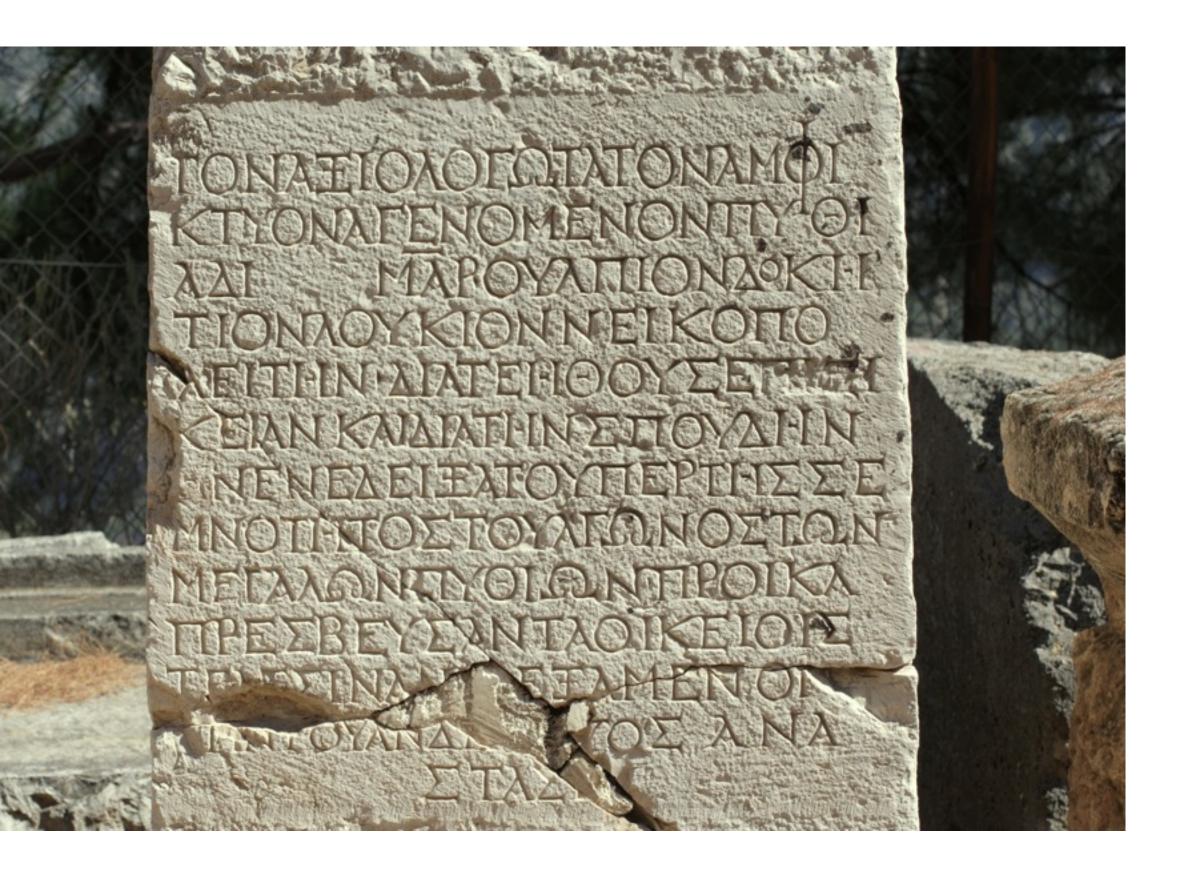
Greeks adopted Phoenician alphabet 1000 BC added Epsilon and lota













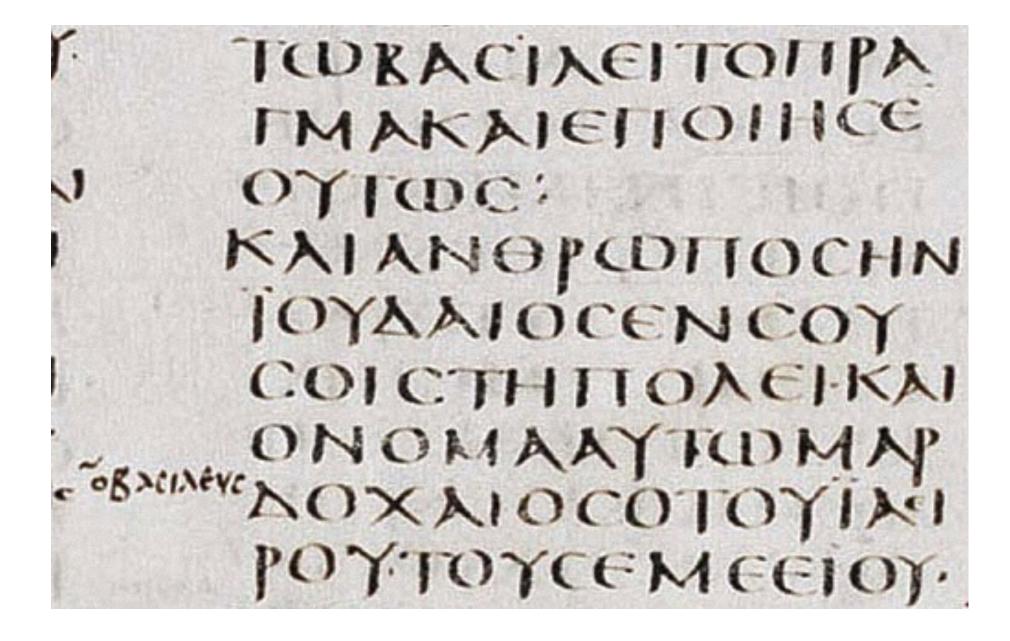




UNCIALS

9UIBONIANEC PUTARENIECAP rellaresoleat quodearum RERUMBUIDE

MAIOIAAFAPOTITY YMACAKOY WTAIT! TOMOINTORHCE MAMONOLICH EICCOTHPIANAIA KETEENEHIIINIMI THCYMODNAEHCE YYYHCYNAOMY OCKNIETIIXOPHII TECTH FITCTITOY9 ACTOYTINCIYXYKA ALLEYIOLKYIWH TATHNATIOKAPAK HTYPOMENOIEN KINNKYLEYTIIYM MHYENIALIM OTIENOYAENIAI MALIKEIMENON CXYNOHCOMAI HTICECTINAYTOF MACHIN ENVELZEICYLLMY PHCIACITANTOTO ACYMONAECOTH KYINYNWELYYYN PIACKAITOYTOAII.



More round and fluid—could be written faster



ABCDEFHIKL MNOPQRSTVX

Roman Alphabet conquered the Greeks in 1st Century BC

ABCDEFGHIKL MNOPQRSTVX

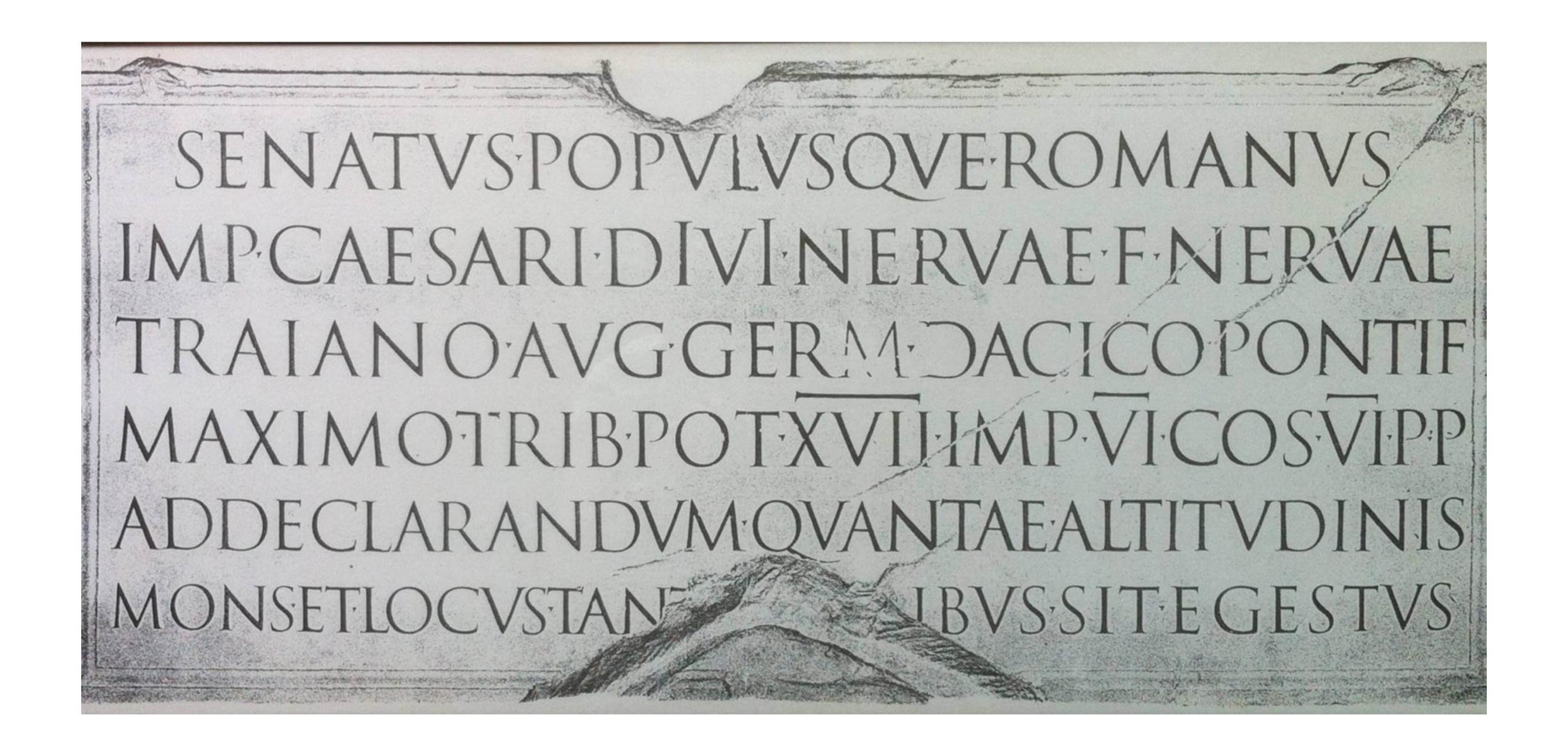
ABCDEFGHIKL MNOPQRSTVXYZ

3 versions

NIMARTISQ'DOLOSETD CHAODENSOSDIVVMN NEQUOCAPTAEDVMFV

SQUARE CAPITALS:

Used for inscriptions and formal applications



Trajan's Column,114 AD, Rome, Italy

EXTINCTIVALITYUBITOMENTEMITYRBATADOLORE-SECAUSAMCIAMATCRIMENOVECARVIOVEMAIORVAL MULTAQUELERMAESTUMDEMENSEITATATUROREM PURIUREOSMORITURAMANUOISCINDITAMICTUS: FINODUMINIORMISITITIRABENECITABALTA OVAMELADEMAUSERAFROSTOVAMACCEPERELATINAE IIIIAIAIAMANVIIIAWOSLAWINIACAINES: ETROSEASIANIATAGENASTVACCETERACUACIA TURBATURITRESONANTIATERIANGORIBUSAEDES.

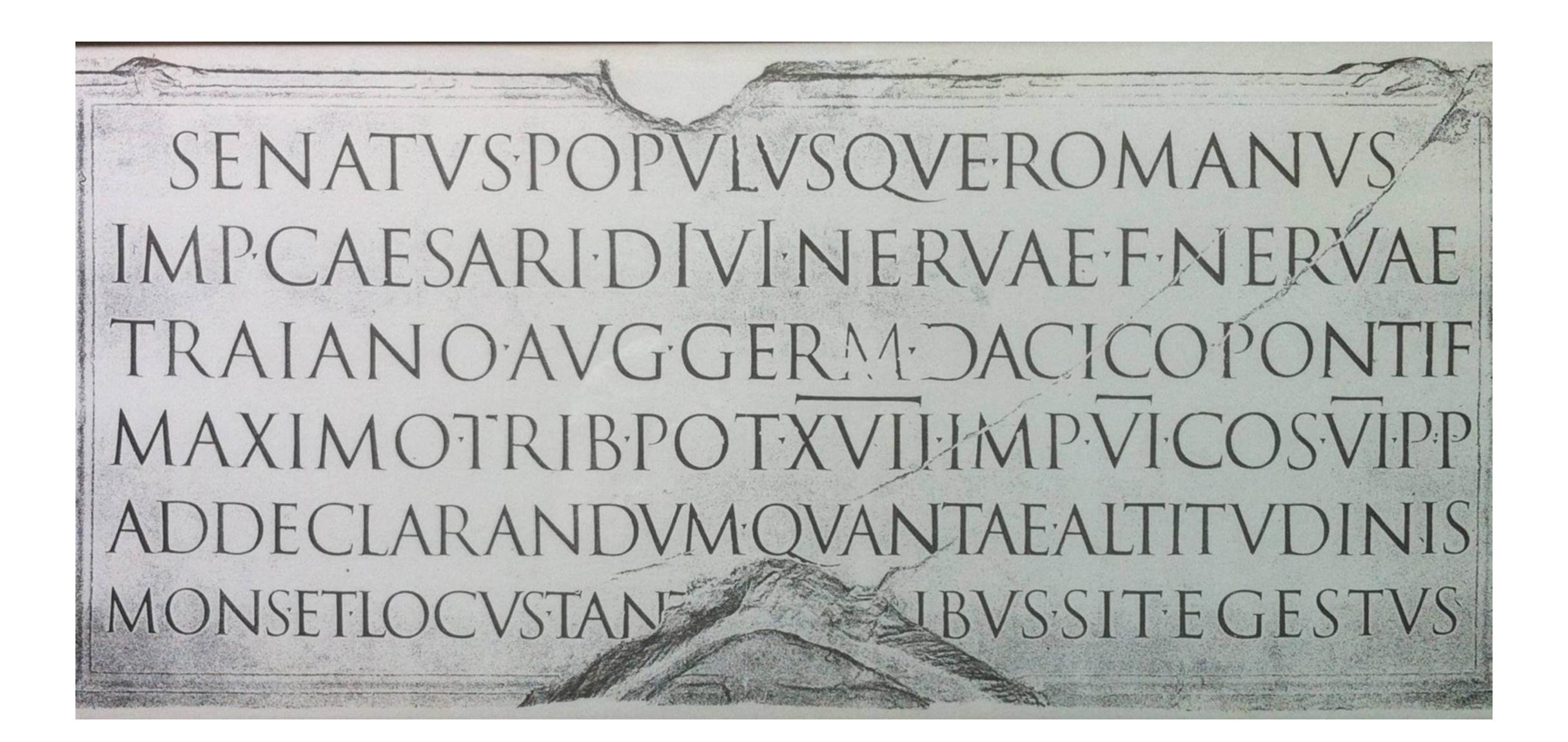
RUSTIC CAPITALS:

Used for writing with pen and ink in everyday applications. More fluid and spatially economic.

Serifs originated as visual elements resulting from the termination of brush strokes within certain calligraphic methods and applications.

Materials and techniques define the visual expression of language.

EXTINCTIVALITYUBITOMENTEMITYRBATADOLORE-SECUVIAMICIAMATCRIMEN QUECATUTQUE MAIORVAI MULTAQUELERMAESTUMDEMENSEITATATUROREM EUREUREOSMORITURAMANUOISCINDITAMICTUS: FINODUMINIORMISITITIRABENECIITABAITA OVAMCIADEMAUSERAFROSTOVAMACCEPERFLATINAE LIAIRIMAMANVILLAVOSLAVINIACRINES: ETROSEASIANIATAGENASTVMCETERACIACUM TURBATURITRESONANTIATERIANGORIBUSAEDES



old new λλιλής hil wbldff5hll mnopqrγτυ

LATIN CURSIVE:

informal everyday use

TECHNOLOGY ARTIFACTS VALUES CONTEXT

CONTEXT









VALUES

Science Mathematics Engineering Government Arts & Culture

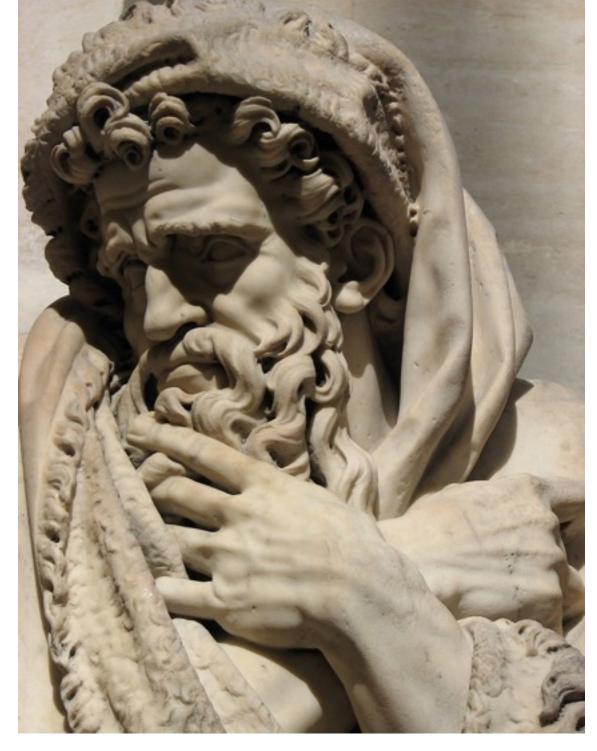
Humanism:

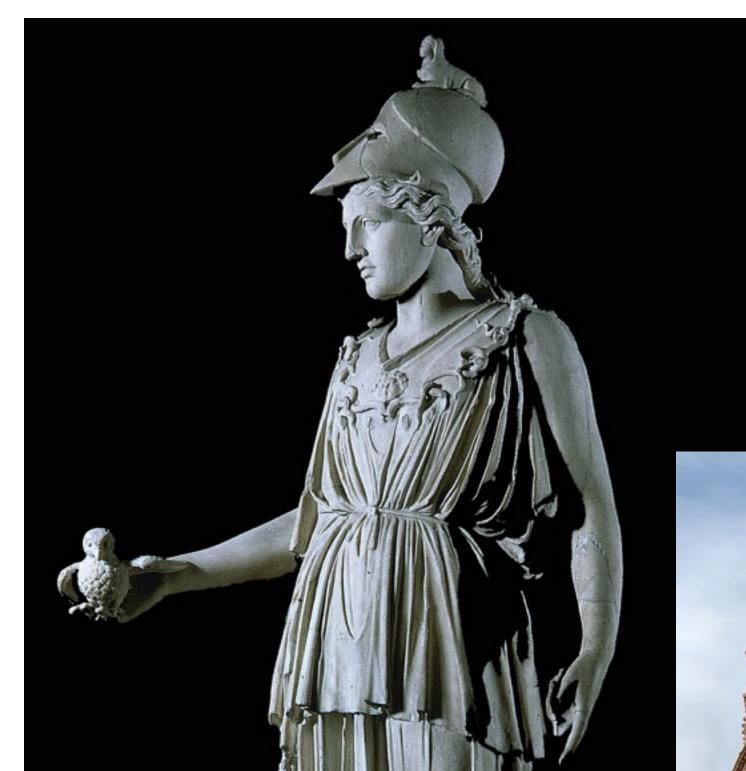
an outlook or system of thought attaching prime importance to human rather than divine or supernatural matters. Humanist beliefs stress the potential value and goodness of human beings, emphasize common human needs, and seek solely rational ways of solving human problems.

Humanities

literature, philosophy, law & politics, linguistics, anthropology, history, arts & culture

TECHNOLOGY ARTIFACTS

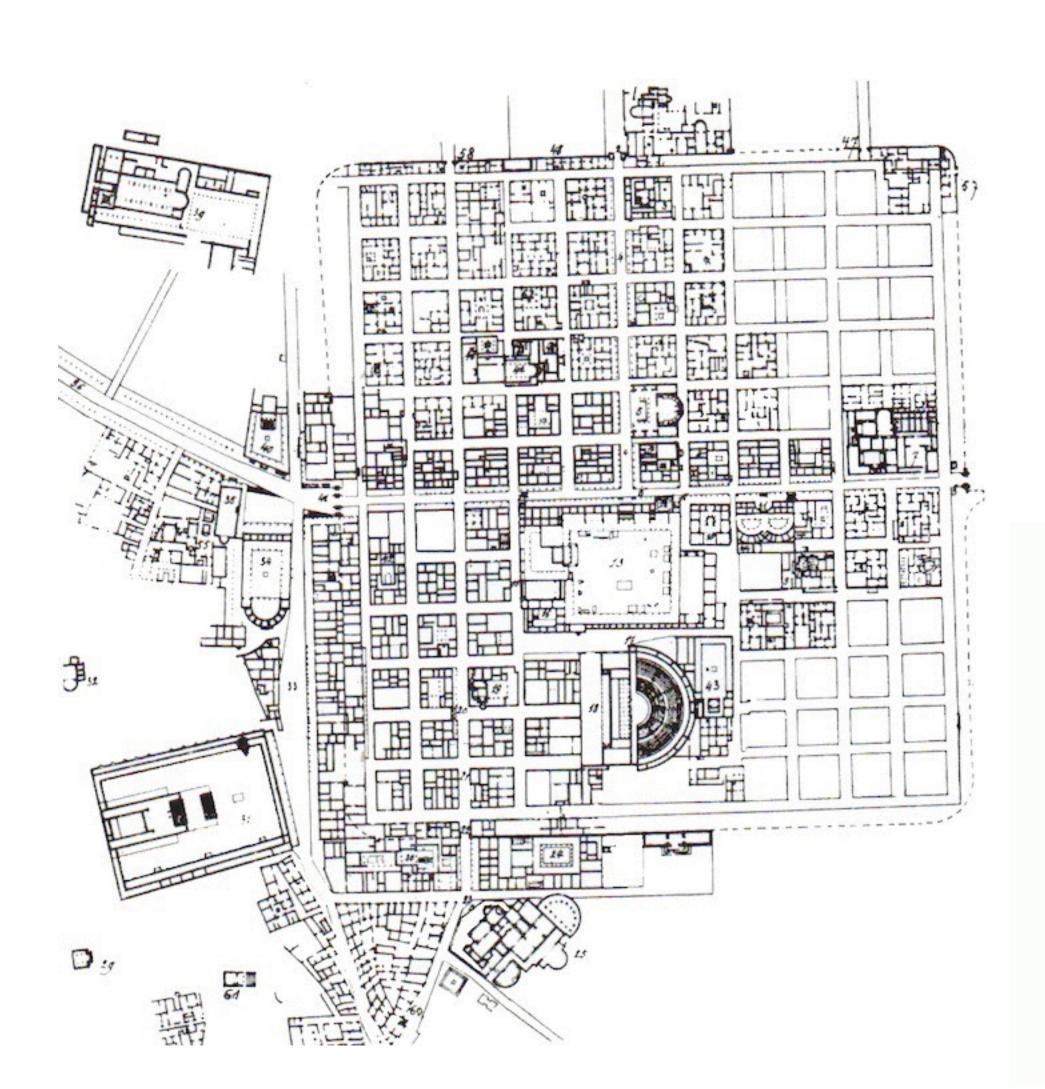


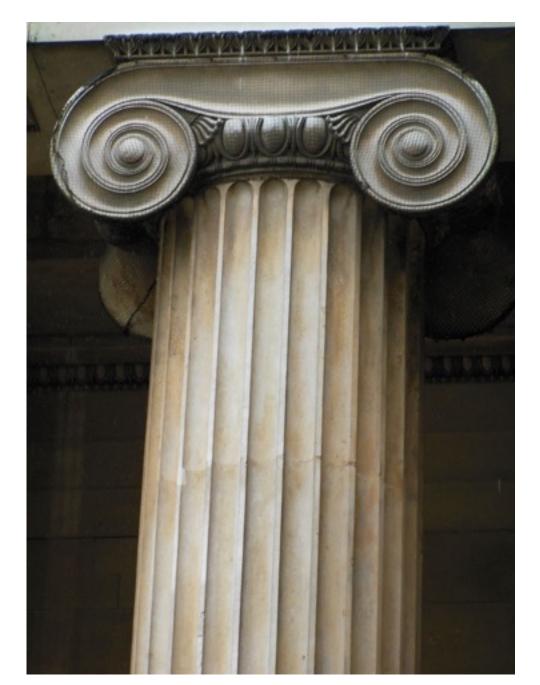




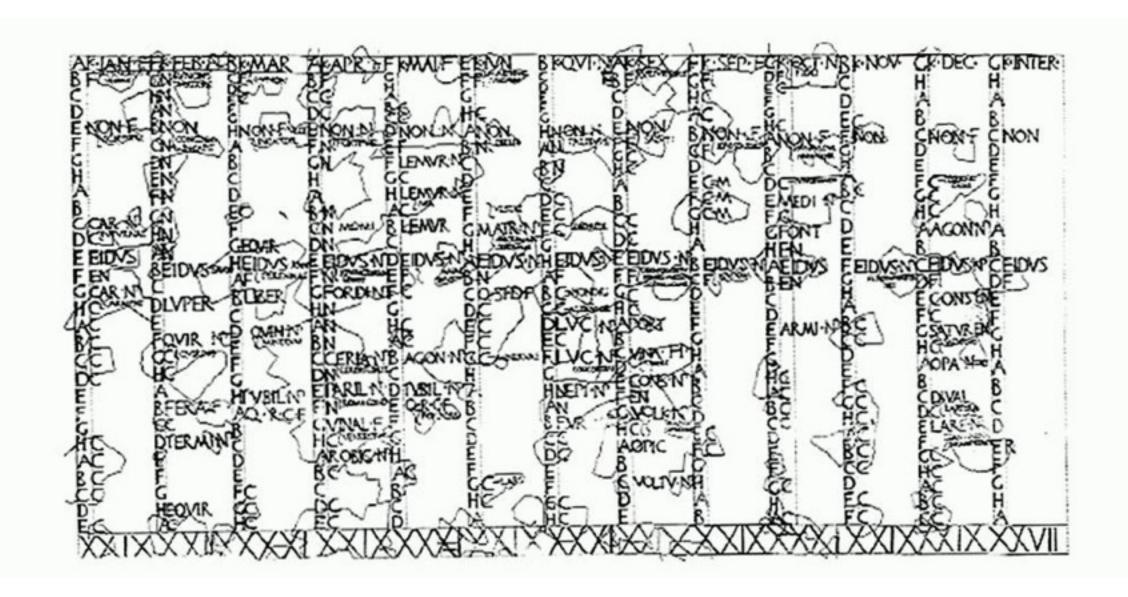


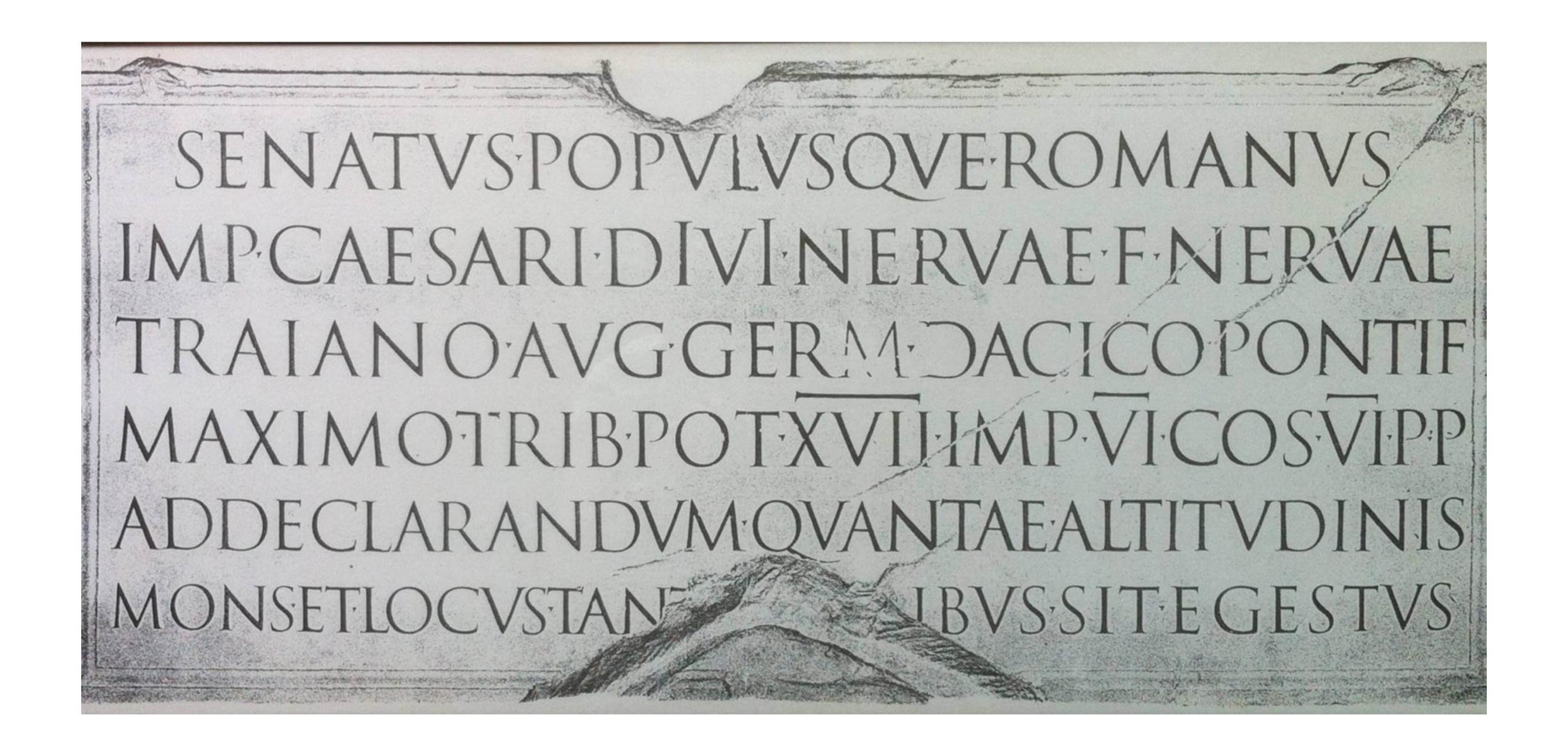
The Grid











Trajan's Column,114 AD, Rome, Italy

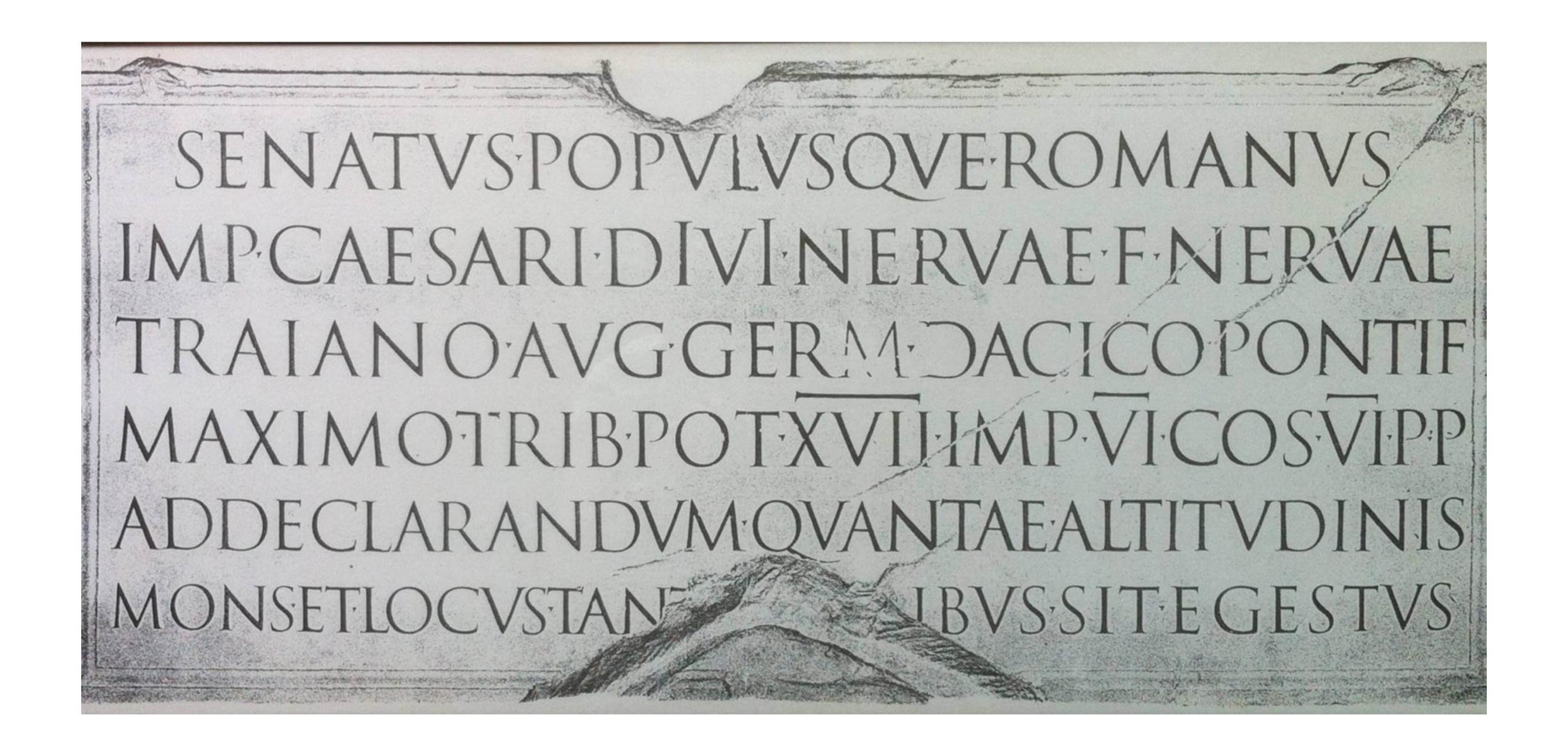
Ancient Greek and Roman culture utilized visual language as a means of facilitating social and cultural transactions. They used elements of visual communication to create and define experience.







Letterforms were seen as visual elements capable of conveying beauty and communicating not just literally but symbolically.



Trajan's Column,114 AD, Rome, Italy

Egyptian -> Phoenician -> Greek -> Roman

MAJOR MILESTONES

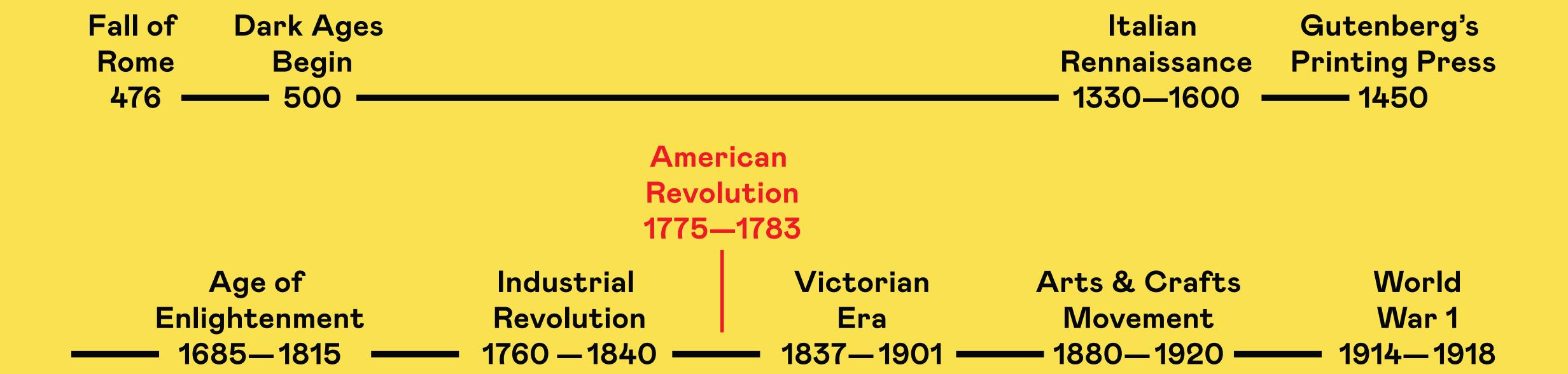
Fall of	Dark Ages	Italian	Gutenberg's
Rome	Begin	Rennaissance	Printing Press
476 —		1330—1600	 1450

 Age of
 Industrial
 Victorian
 Arts & Crafts
 World

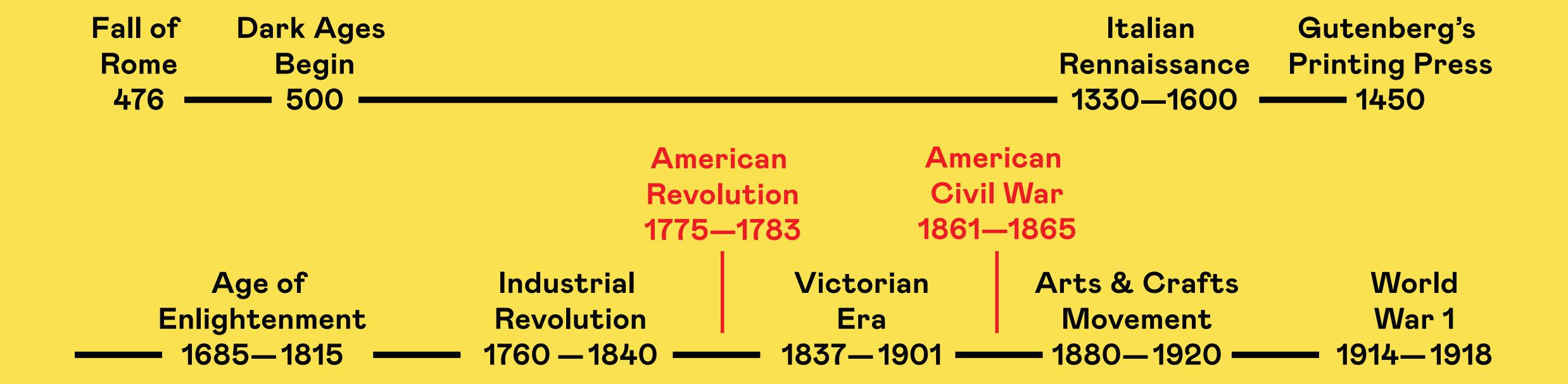
 Enlightenment
 Revolution
 Era
 Movement
 War 1

 —— 1685—1815
 1760—1840
 1837—1901
 1880—1920
 1914—1918

MAJOR MILESTONES



MAJOR MILESTONES



Rome

1,000 Years of Darkness 500—1500 AD

Roman Empire:

There was a focus on humanism: arts, culture, science, education, and innovation. Each citizen was encouraged to be a productive member of society and to make the most of their lives.

Dark Ages:

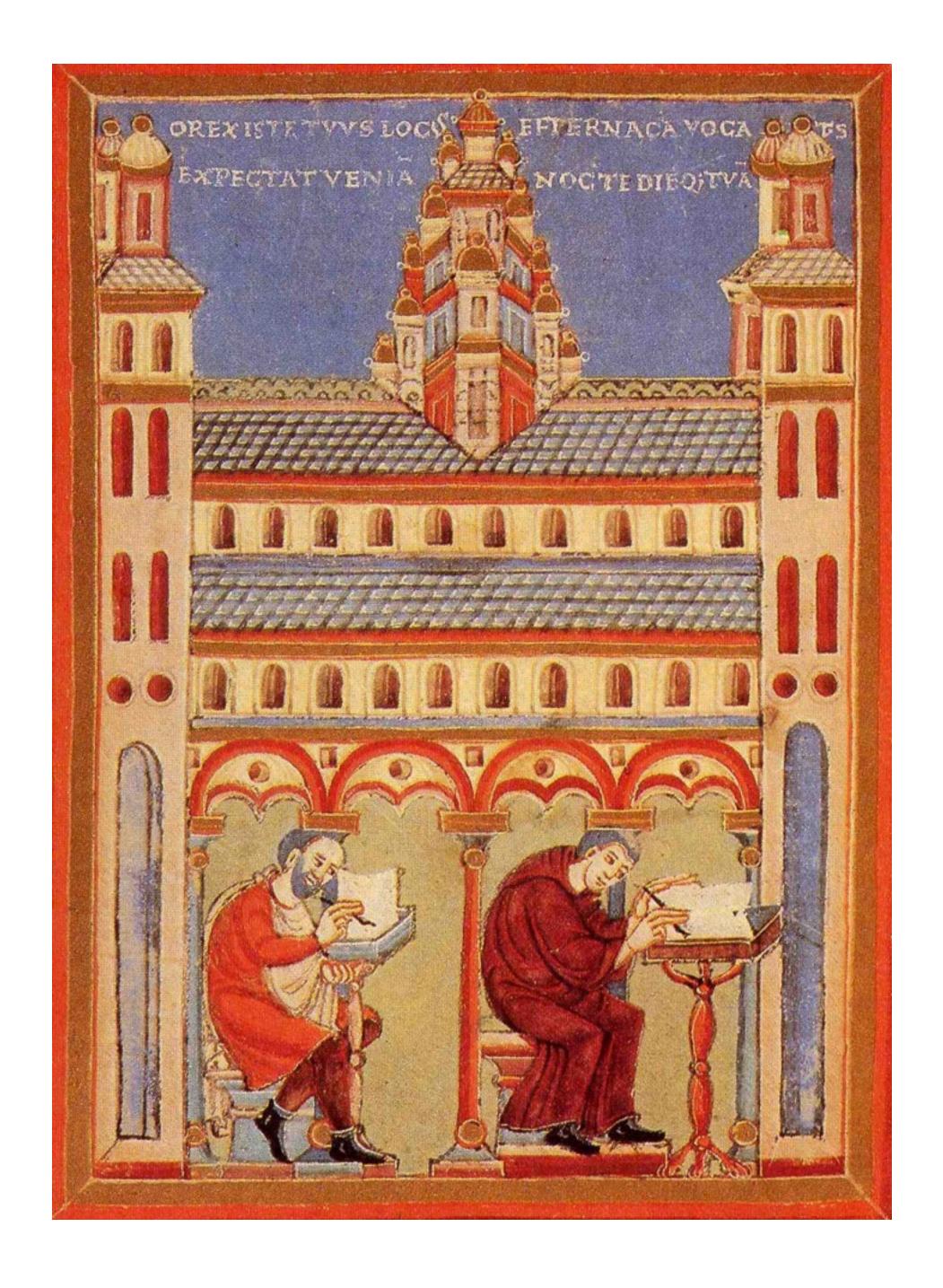
Christianity focused on the afterlife.

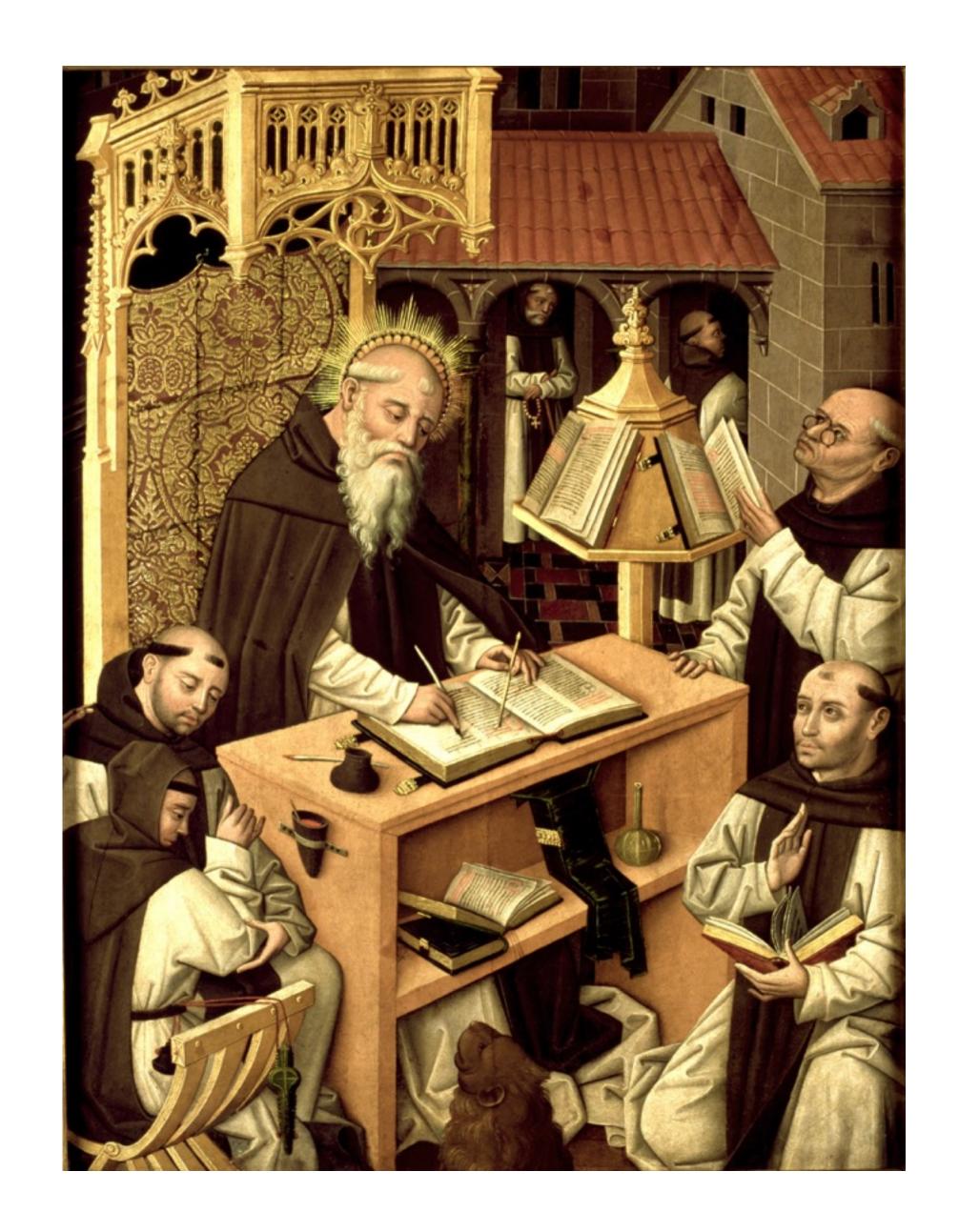
All of the power was held by the church. No focus on education and innovation. Rise of monarchies. Decline in quality of life, literacy, and rational thinking.





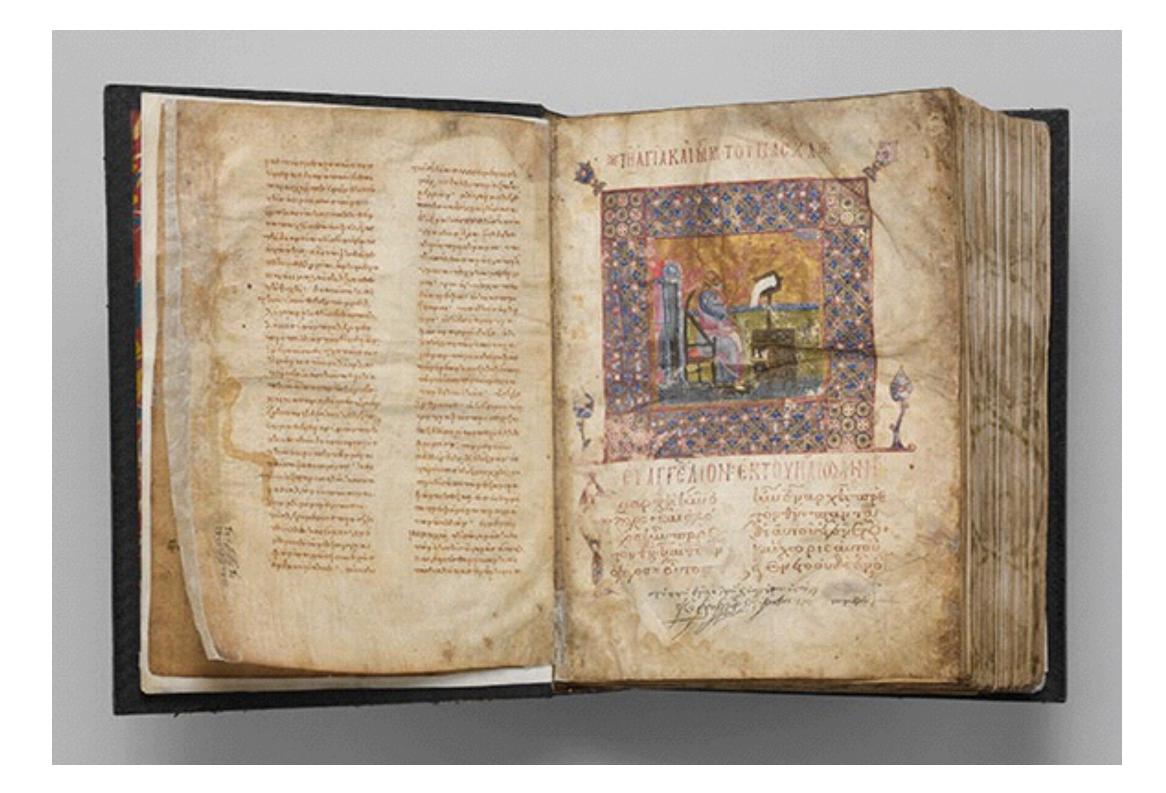










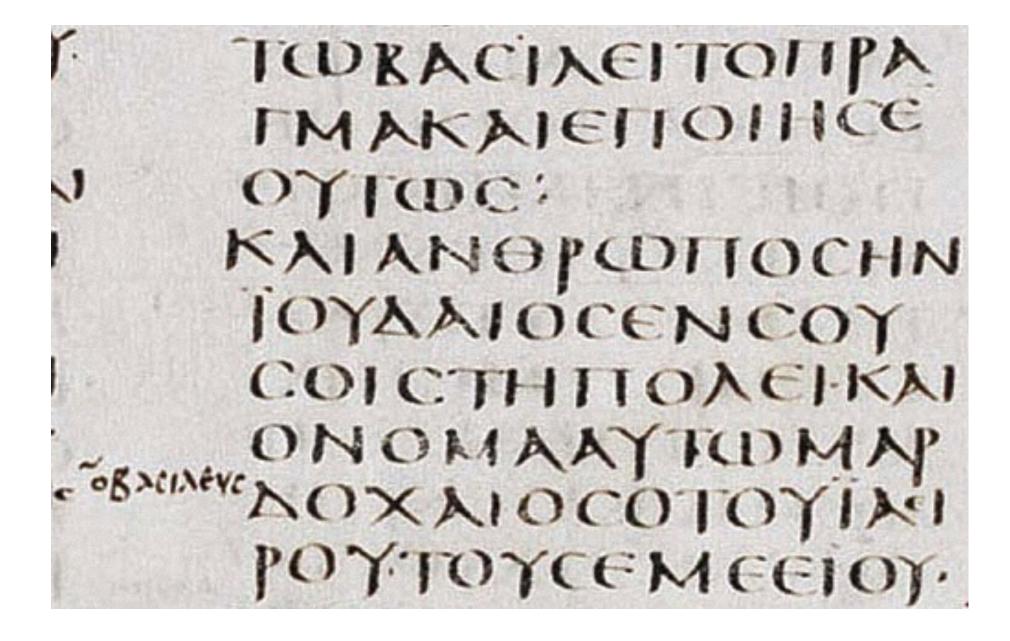


what drives development? 1. accessibility 2. speed & efficiency 3. adaptability

UNCIALS

9UIBONIANEC PUTARENIECAP rellaresoleat quodearum RERUMBUIDE

MAIOIAAFAPOTITY YMACAKOY WTAIT! TOMOINTORHCE MAMONOLICH EICCOTHPIANAIA KETEENEHIIINIMI THCYMODNAEHCE YYYHCYNAOMY OCKNIETIIXOPHII LECTHLI CLITOLA ACTOYTINCIYXYKA ALLEYIOLKYIWH TATHNATIOKAPAK HTYPOMENOIEN KINNKYLEYTIIYM MHYENIALIM OTIENOYAENIAI MALIKEIMENON CXYNOHCOMAI HTICECTINAYTOF MACHIN ENVELZEICYLLMY PHCIACITANTOTO ACYMONAECOTH KYINYNWELYYYN PIACKAITOYTOAII.



More round and fluid—could be written faster

old new λλιλής hil wbldff5hll mnopqrγτυ

LATIN CURSIVE:

informal everyday use

Uncial

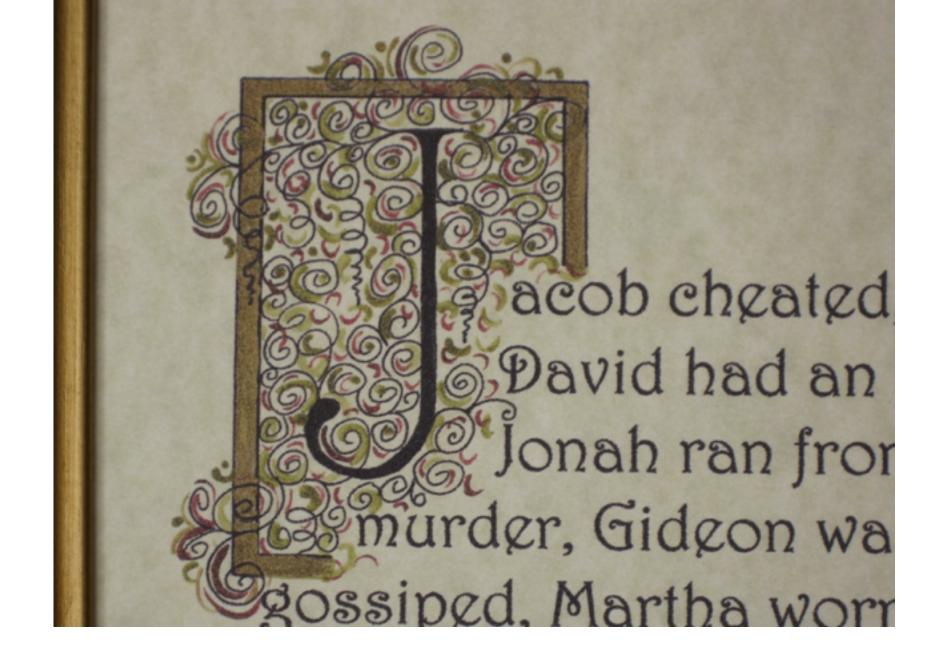
AOEHMFDSNLR

Half uncial

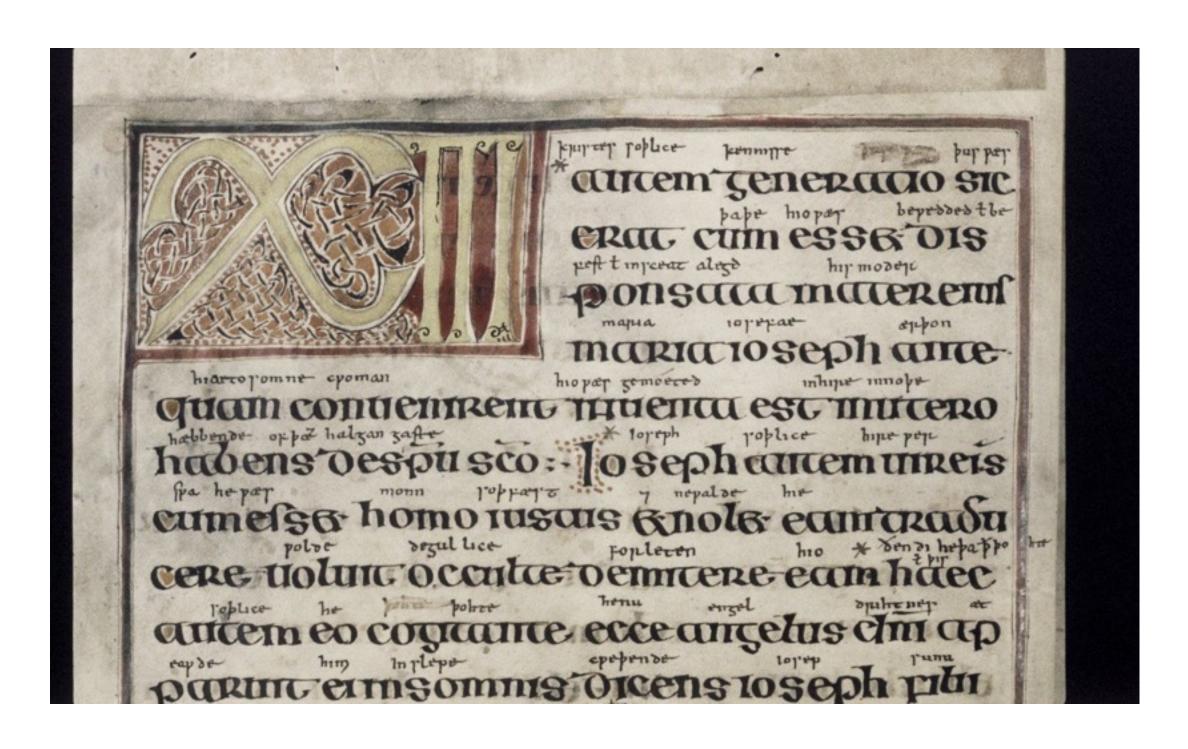
æbcdef3hmnopgr

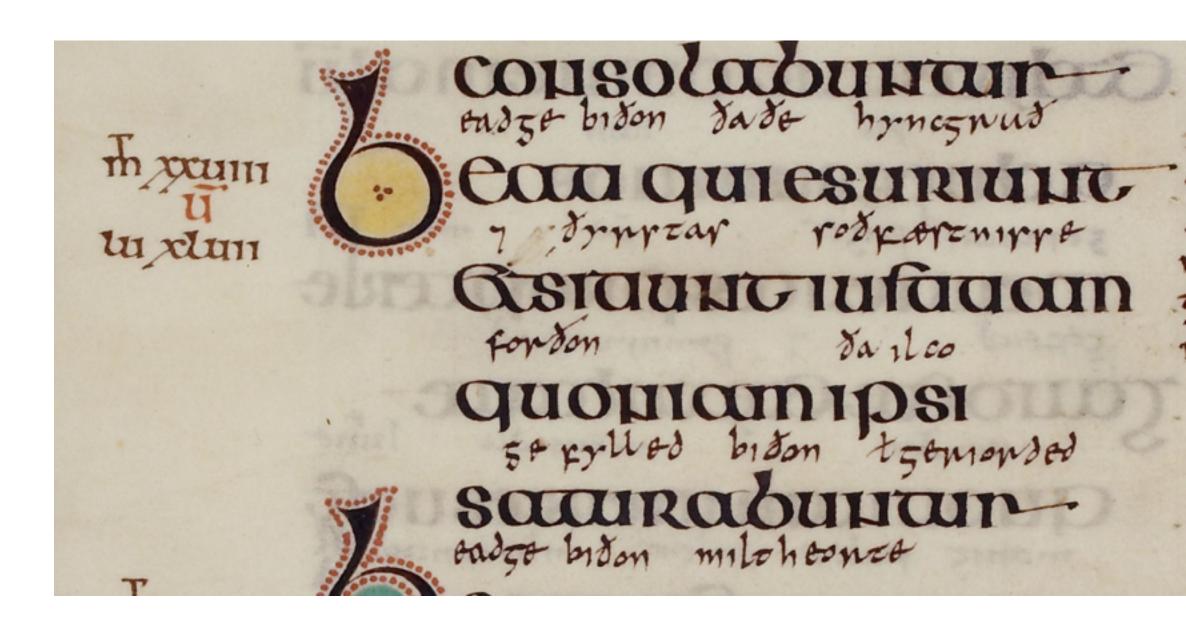
abcoefzhiklmu OPGRSCUVWXXXX 0123456789-?!\$()

half uncials—6th century









damnationemfidererre ceabole zur penaltfran rungarabolendaer Gu Epircopima numinavocente guamno nad film logium co &

Celts 600—800 AD throughout Europe Ireland, Scotland, Wales







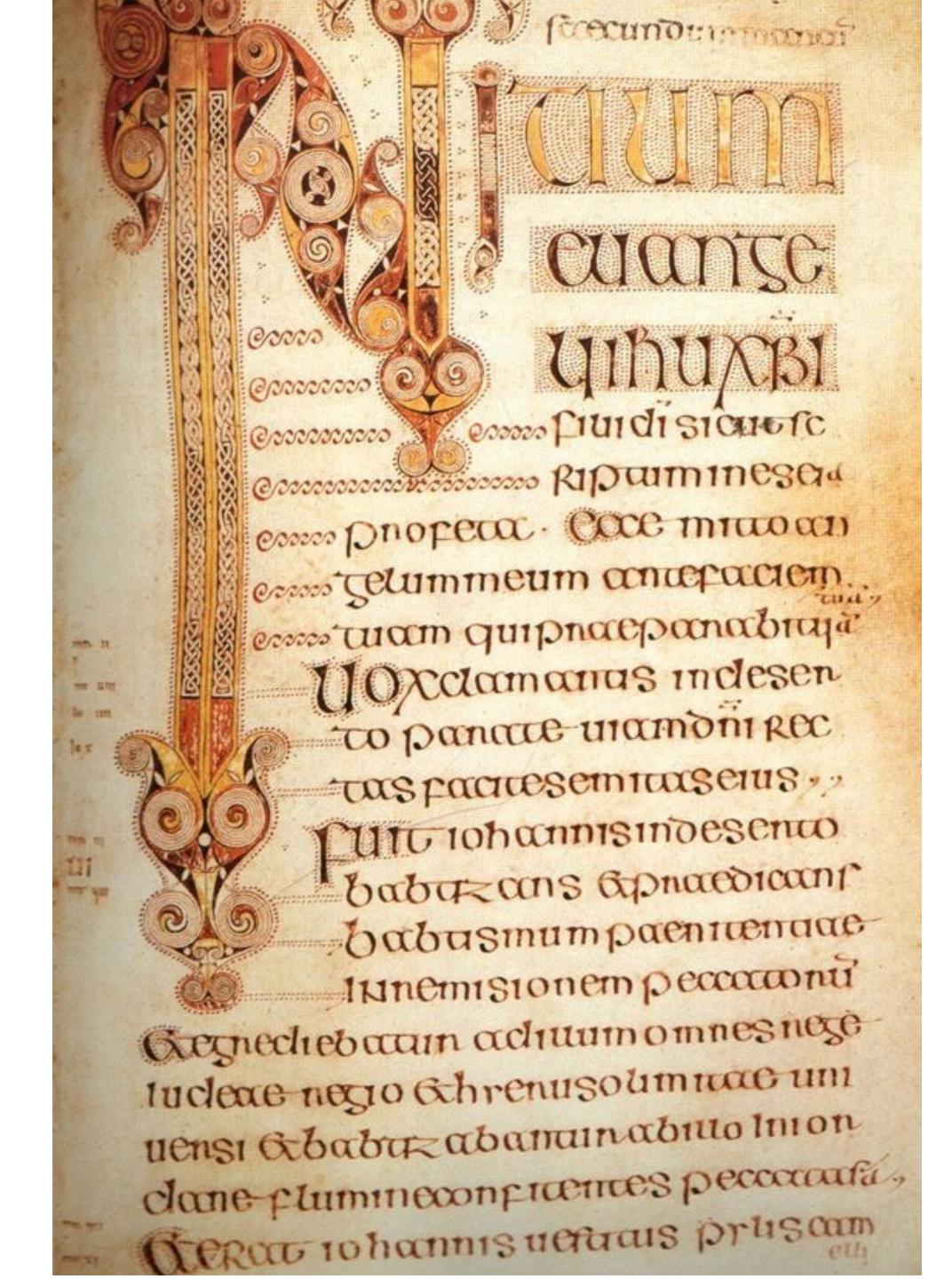




large decorative drop caps carpet pages

3. standardized spacing within text to create structure, clarity, and hierarchy





800 BC

Charlemagne crowned emperor of the Holy Roman or Carolingian empire



CAROLINE MINISCULE

abcdefghij klmnopqrss ßstuvwxyz 1234567890

Cum debuisse comparte none supervery, Sedquides quodde eo uoco din dici air o Tidifti for nummaim tob quod nonfit , et similis um super tesston Cumparte done po where uner dequo do adres vance dier eur quian ulliur ho minif compaste done posse quait Quidiarque agendum est missexpersonasua ipsedns final ille institutes marries & de careers Jumquid producis luciferum intempore suo & uef

trept homming merona Gedicon pane mone pdedine, Oquanco hominib; major ep qui ceftimo muf commer air dominor, Mulaum quippe porent est qui call interrogadone oftendrain. qui a potent nones, sedquia adob scurtemmis differenda ducimuriad einsdem wx aif.iamuen bauemamy, w Despondens aucem distribbleur w bine divit, Hotandumindeo quia sesano arque incolomi loqueisur de comquilly care dominica locurançae radicoreir, sedgma clasella to logui

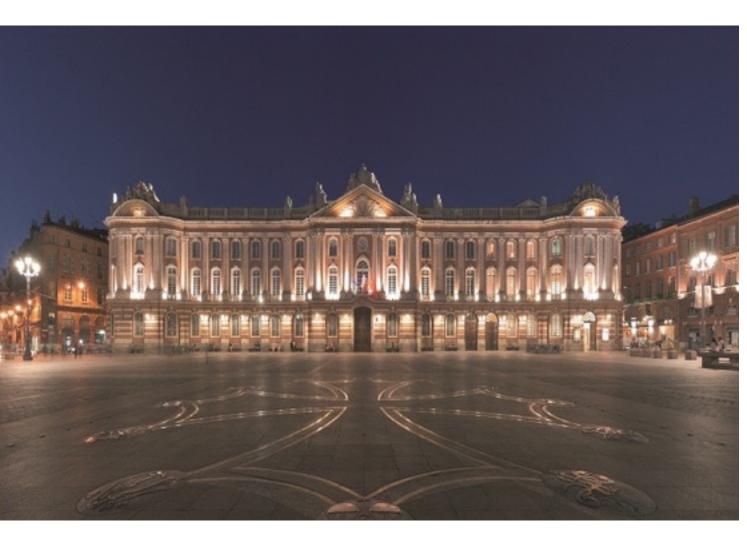
standardized writing system: instituted consistent formatting, punctuation, and spacing.

implemented programs to increase the spread of education and literacy

commissioned classical works of Greek and Roman literature, and philosophy



University of Oxford England 1096



University of Toulouse France 1229



University of Cambridge England 1209



University of Bologna Italy 1088

DEMAND

FOR BOKS

expensive hard to make time consuming

faster, easier to write, can fit more words on a page

TEXTURA: 1150

an iman: et nomai dui muoi doming libera animam meani: us dinuus 7 milus 7 deus nol utur Columbianus panulos us: humilianus sum 7 libiaut omnetter amma mea m umur i dominus benefint tibi CH ut ammammam de moetr:o

max rumunt p nota un glor a monams 7 supoes quiad what point i jouagi tagnas mulia lexanquiqua guna. Othus map genea noncs 4 familias ac iomos wananomiliar p nomia lingulor a via limo ano et



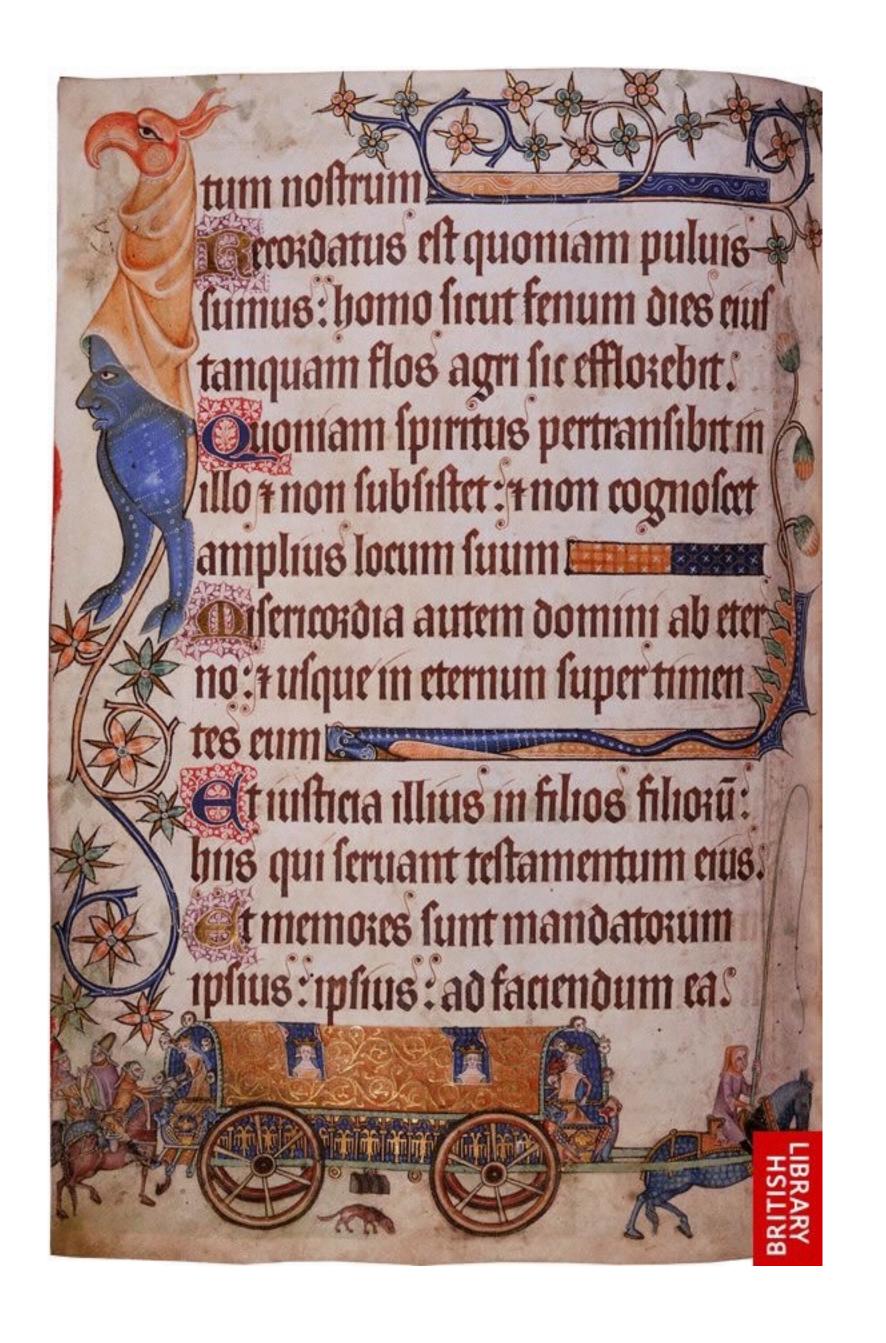


magnam milarum mul
tarum in celo dicencium allelina
falus i gloria er initis teo nio i
quia nera er infra indicia ciusfi

una indicatur fangiunemio
rum fuorum temanu cius inte
rum dicentra allelia. i firmus
ents afcendir infecula feculori.

Fruigintum fenores cecterit
infactes fuas i quamor anima
lia dicentes amen allelitarinor
magna erit tethrono dice lan
tem dicte teo nio omnes fanct
cuis i qui umercum publicima

magnetauce aquarim multarim aucero minuorim magnetauce aquarim multarim talunce minuorim magnetauce fer anno 100 and 100 fanta auce que edirono entre Joniam alla fer cuis muriperano tecamam che fant cuis. Auchi ia quipe fauca communi fonar. De inmo fo antigri fauca communi fonar. De inmo fo antive ucabi fanta tramata che de fanta cuis. Allehi ia quipe fauca aquarim multarim a aucero minuorim magnetauce aquarim multarim a aucero minuorim magnetium feripama libri himis fept temoninar, omnem decronim multaridi nem in feptem passe dimitendam. A cuis intelligentia firbuliris perfamente. Juli name; qui ante diliminim fecture ad primam parementi qui port diliminim ufquequo lee tam cha o feam tampe aliam legem fibricarine ad primam parementi dilemonem en e proximi. Sante emmunifqui qui limim fe telere minere rimper omnia diligere a quo manus ellera a quo enima emica fibridata minima une enima che a quo enima enima fibridata minima une enima che a quo enima enima fibridata minima une enima che elemente facer quo non unite ab alto pin. Danc legem multies qui fane memis ele ignora in permunia, per minima ignur multas deni qui a re dilumium fuerime equi fane memis elementa qui a re dilumium fuerime equi extra en traganamic. Decomminame qui a re dilumium fuerime equi fane memis elementa qui a re dilumium fuerime equi lee tara en traganamic. Decomminame qui a per predicatoms fuerorimam a fine minuma fine minuma qui a re dilumium fuerime equi lee tara en traganamic.



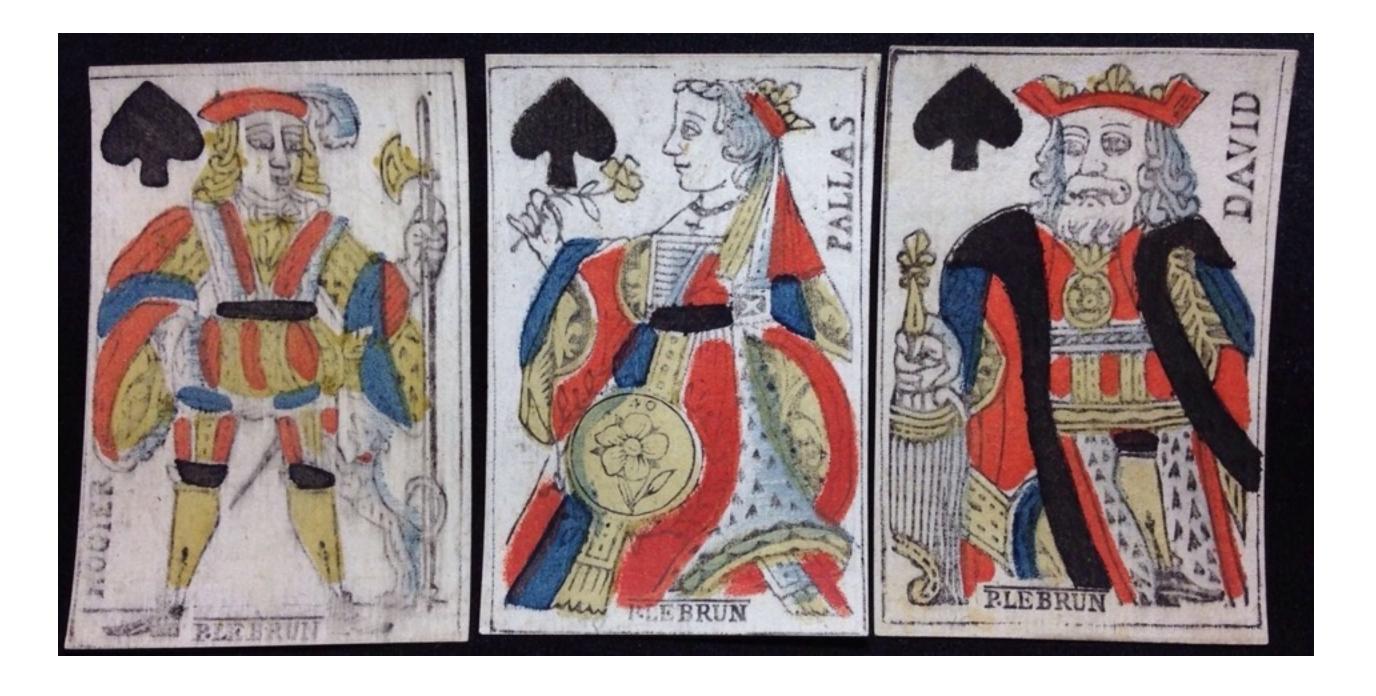


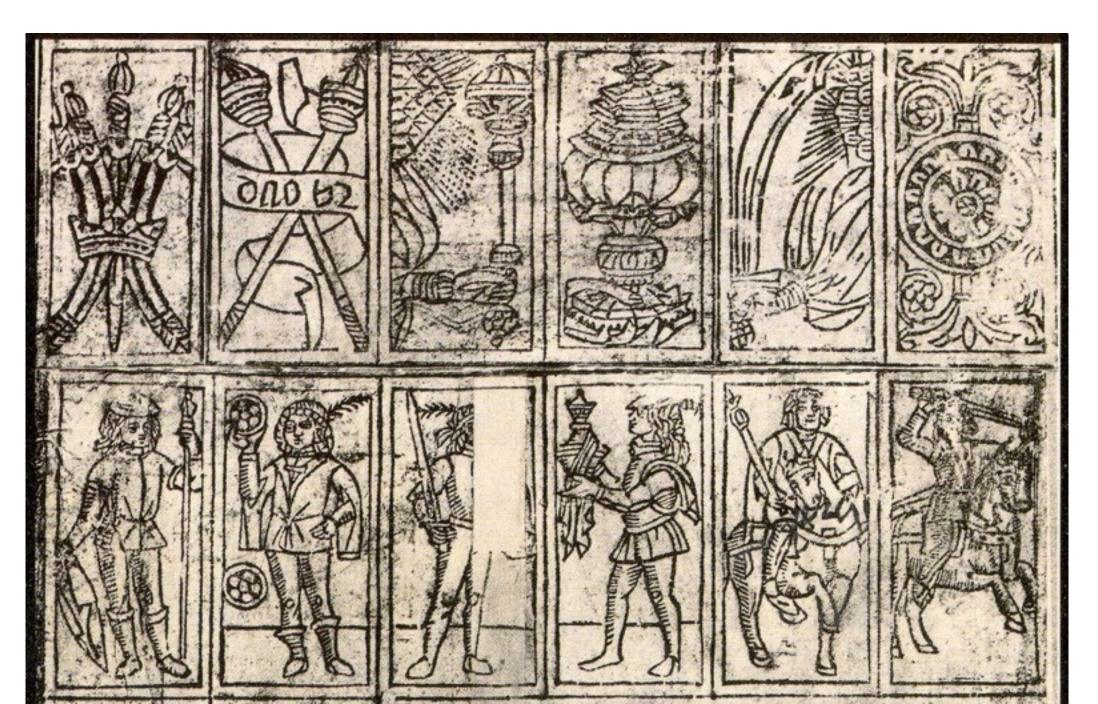
Durt quogians hat fir mamentum in medio a quarum iet dundat agis ab aquis Et feut teus fir mamentum i dunlity aquas que erant lub fir mamento ab bus que e rant luper firmamentu Et factum et ita Hoca uttp teus firmamentu elum Et factum est uelpe

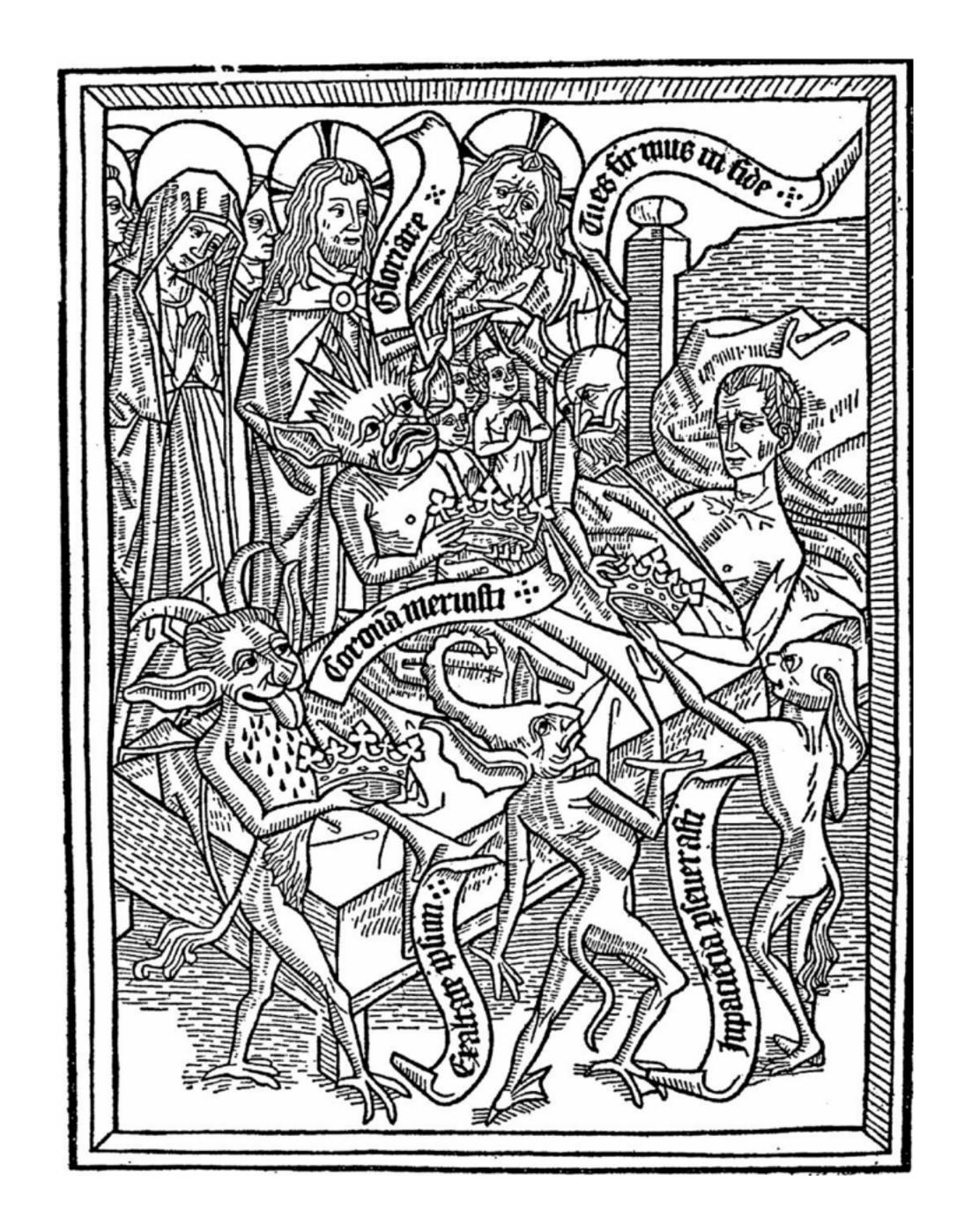


1300 woodblock printing and papermaking come from China











literacy begins to increase

DEMAND

FOR BOKS

renewed interest in ancient Greek and Roman works of art, design philosophy, and literature

renewed interest in humanism

writing styles of the middle ages

1. Greek uncials — 2. half uncials — 3. Carolingian miniscule — 4. textura

4th Century 9th Century 9th Century 12th Century

man mananan nolunt man mananan nolunt glor a uigin ams tlup ocs qui ad bila poterer: goragi taging milia leren quiqua guita. De filis uida p genea noncs t familias ac comos cognanonii luar y nonüa luigulor a vicelimo ano et

Rennaissance 1330—1600, Italy

CAROLINE MINISCULE

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LETTURA ANTICA

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diespentecostes crant oms dispulipartier meo de loco Exfactuses re

pente decelo sonus tanqua aduements spruehemenus et repleunt tota domu ubi erant sedentes Et apparuerun illes disputelingue : tanquaignis. sedneq: sup singulos corum Etre pleusunt oms spusco : ecceperuntlog uarns linguis proutsps set dabatelog illis Etant ainte inhierusale habi tames under urrreligiosi. exominati one quesubcelo e' L'acta aut hac noce: connent multimedo. et mite confuste. qui audiebat unusquisq;

upplication d'interaure exaudiucquimnatiurate digeneuricis d'ur ginif congregamur-etusinter cessioni bus conplacatus atte deinstantibus pe

riculifernamur per ADMISSAM amulis tuis die caelestis granae munus inper urc. ut quibut beates urginif par tuf extitut salutif exordium natiuitatis eius uo tiua sollemnitas pa afterbute incrementum per SUPEROBLATA Ingenta turdie nobis succur rat humanitas ut quinatus deur gine matris integritatem nonmi nutt sedsacrautt innauuttaus eins sollemnissanos trisnos praculis exuens oblationem nostram sibi faciat acceptam percund. POSTCOMMUNION. S umpsimus dne caelebritatis annuae uotiua sacra menta presta grute temporalis nobisutte reme diaprebeant & acternac per



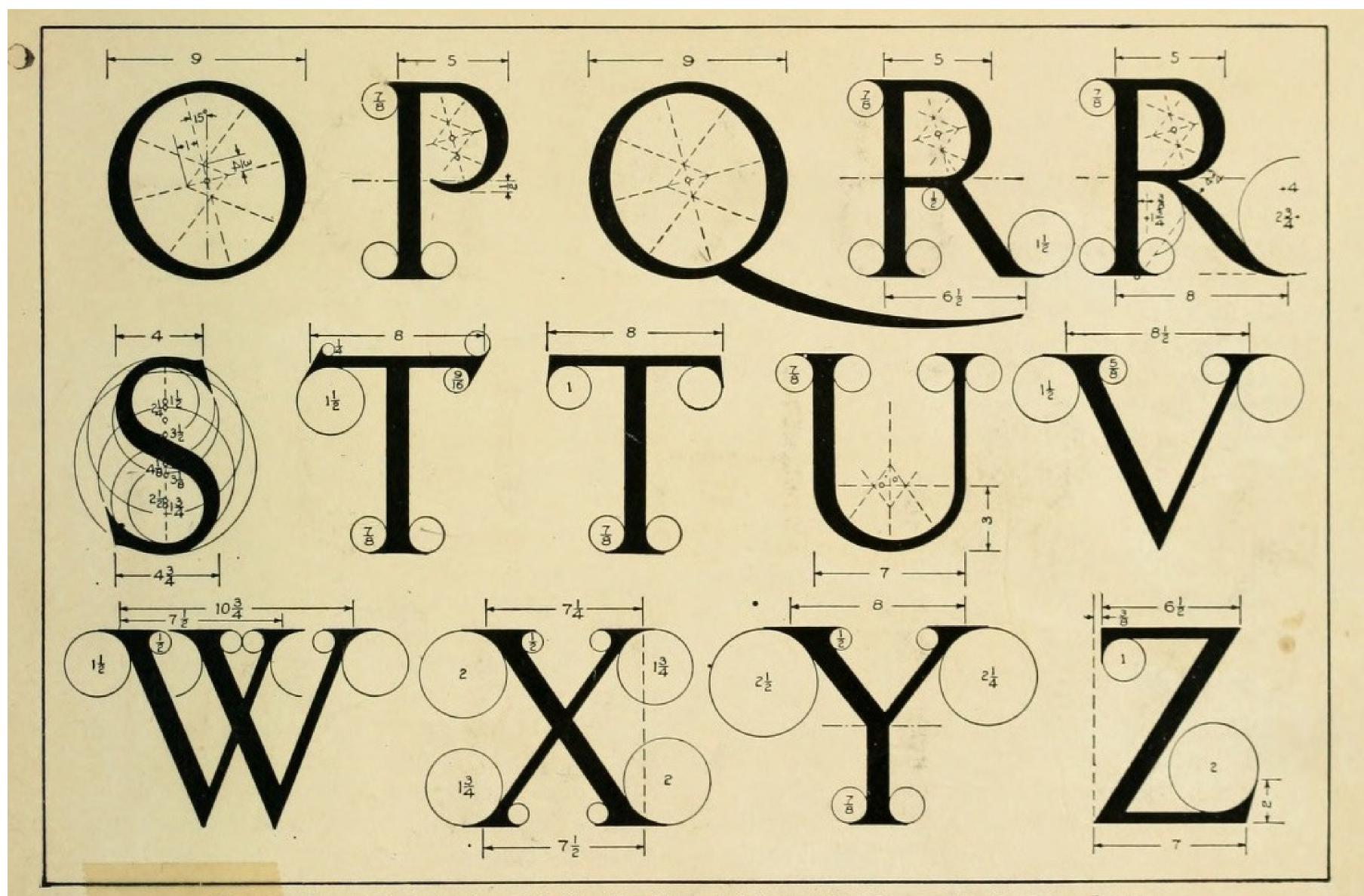


Fig. 10.—Roman Alphabet (second half) with a Method of Geometrical Construction for Large Letters.

Humanist Script:

Combination of Carolingian Minuscule (lettura antica) and capitals from ancient

Roman inscriptions

TELIVIDEATAVINI HISTORICI AB VR BEGONDITA LIBERUS



res populi r. perscripserum necsatis scio necsi sciam dicere ausi quippe qui ueterem tam unigatam esse rem undeam dum noui semper scriptores aut unrebus certuis aliquid allaturos se aut scribendi arte rudem uetustatem supaturos crediunt. Vt cunque erit uniabit tamen reu gestau memorie principis terrau populi pro unrili parte meipsum consuluisse. A sintanta scriptou turba mea sama in obscuro sit nobilitate acmagnitudine eou qui nomini officient meo consoler. Res est preterea a imensi

opil ut que supra septingentesimu anum repetatur ce que ab exiguis profecta ini



OLOR ME INUERBA CONPELLIT

d'indignitas mea ut taceam imperat. Cordis
mei cruciatus perurgent loqui: d'peccata mea
silentium potius tenere suadent. Quonia igitur
utring: anquitor: expedit mibi magis loqui: ut

sic amerore corchi mei requiescam: Animamea doloribus plena est & oculi mei lacrimas concupiscunt: Quis dabit capiti meo aquam: & oculismeis sontem lacrimarum: ut plangam indesinenter die noc tuq: uulnera anime mee: nimiamq; mollitiem institutionis mona stice: etate nostra uigentem? Est enim mille persossa uulneribus

EXTRACTA® EXLIBRO QI

Dicima uasilographus idest imperialis scriptura que herithea sibilla babilo nica ad graecorum petinonem pria mi regis tempore aedidit. Quem de caldeo sermone Dota patea peritissi mus in graecum transtulit. Tandem de aerario Hemanuelis imperatoris eductum Eugenius regis ficilliae admiratus de graeco transtulit in

Quidá eius libros no ipsius esse sed Dionysii & Zoph lophonioru tradunt: qui iocadi causa coscribentes ei u ponere idoneo dederunt. Fuerunt auté Menippi sex. F qui de lydis scripsit: Xanthuq3 breuiauit. Secudus hic Tertius stratonicus sophista. Quartus sculptor. Qui & sextus pictores: utrosq3 memorat apollodorus. Cyni tem uolumina tredeci sunt. Neniæ: testamenta: episto positæ ex deorum psona ad physicos & mathematicos maticosq3: & epicuri fœtus: & eas quæ ab ipsis religios

qquadre Donne in cui s'annida nne seme tranoi d'alto uasore. nne che sete al secul nostro bor pregate deuote il uostro sole

Cambridge, Massachusetts, Houghton Library, Harvard University, Ms. Typ. 246 (a handwritten Specimen Book). Written in Siena in 1545, by Bernardino Cataneo.

1445 Mainz Germany



Johannes Gutenberg



Johannes Gutenberg





Johannes Gutenberg



Peter Schoeffer





Johannes Gutenberg

Johann Fust



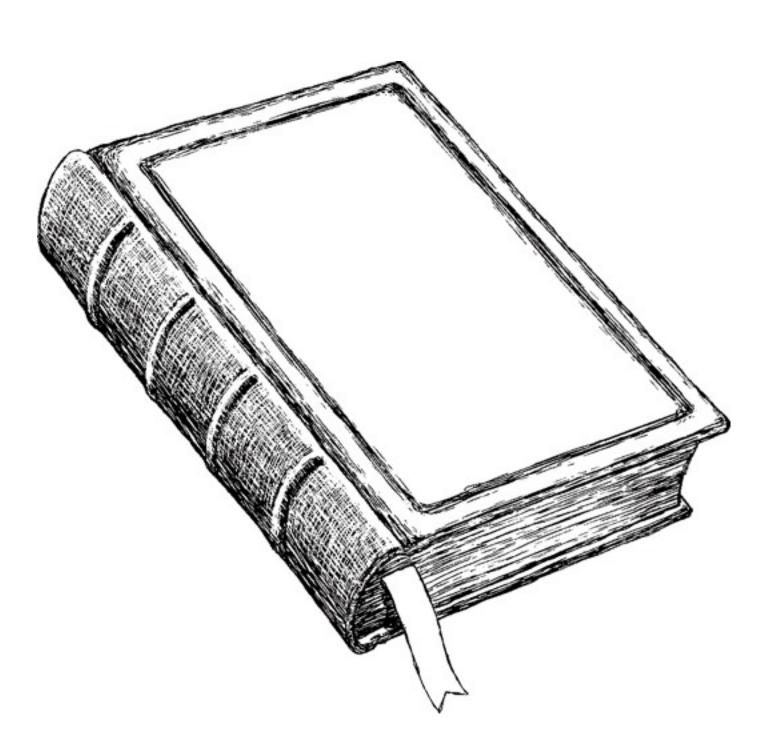
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Peter Schoeffer



Johannes Gutenberg







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Johann Fust



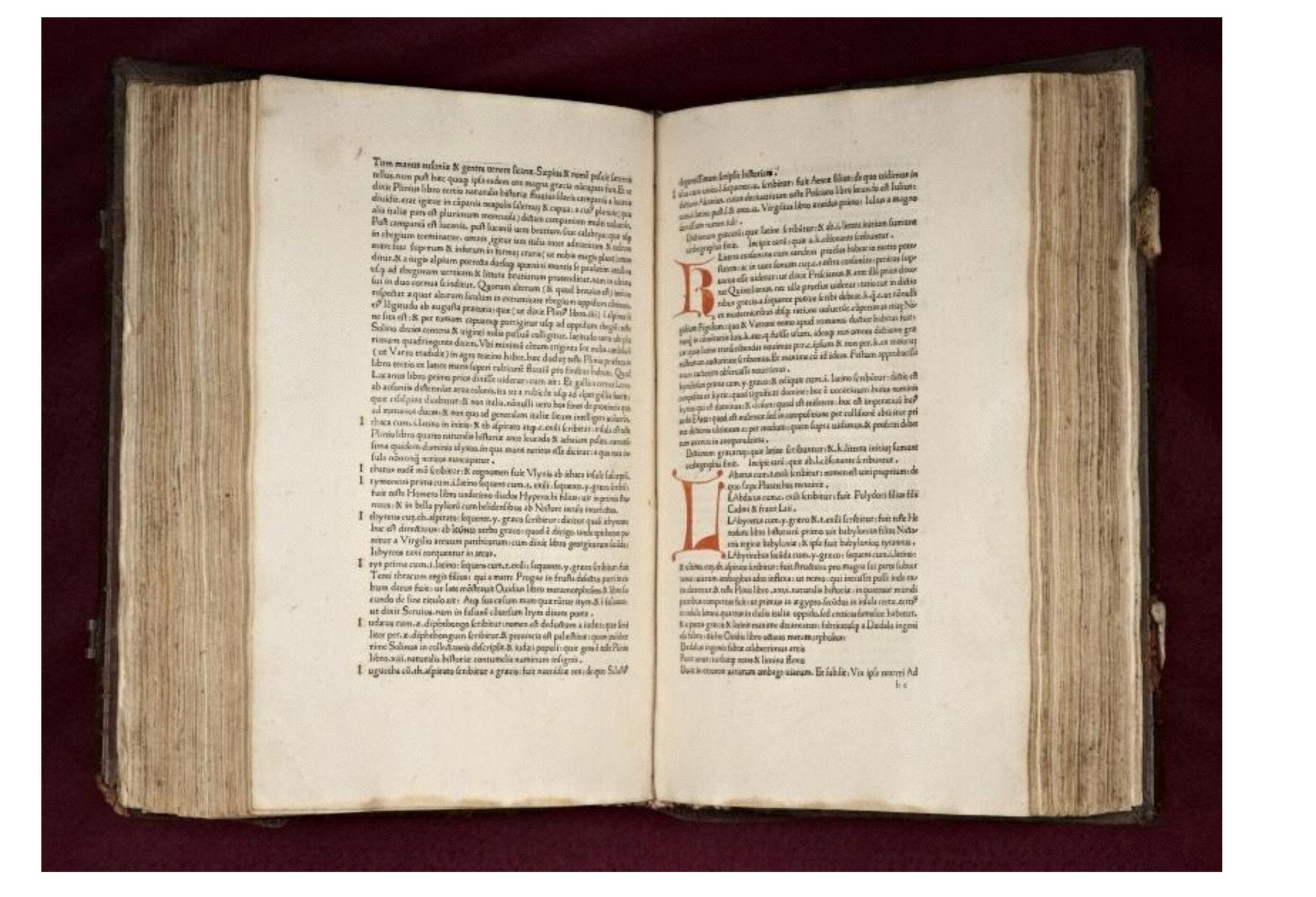


Johann Fust

Peter Schoeffer



4 of appropriate annual is december william to # 100 and the first ab eur er birte . De lignin be quibun enfume immogao re parre pollum tibi diette: De vita autem ma non lum IIIImillus diccre abi: sed nesas. HEC e signis aux:rcce dies veniët-în ielt= īe: quibs apphendent qui înhabitat retra intensu msto: 3 abstodetur vert= a= tans ma i stenlis ent a fide regio: et mulaplicabici inflica hip hanc qua mraubra shipqua aubith olim:



In: Heremia

in Die ire furoris fui Mon De cecello mifit ignem in offibamiera etudinit me. Espadie rethe pedibus meis:conuemt me retorlum. Poluit me pelo latamitota die merore confeda. Qun Bigdauir iugu iniquitatu mearu in manu mus:connolute funt a impolire collo meo. Anfirmata é virt? mea: dedit me dug in manu be qua no potero furgere Samech Abstulit vines magnificos meos dos a medio men: porauit adurelum me repus : ut coterecet eledos meos. Locular calcauit dus virgini filie inda. Ain Idarco ego plorans er omlus me? deducens aquas:quia longe fadus elt a me cofolaror: rouenens anima mea. Fadi funcfilij mei poini: quonia inualuit inimie. fe Espādic fron manus fuas:non est qui confoletur ea. Mandanit die adverlum iacobin circuim ei? heltes ei?. Fada elt ihrlin fft polluca mentruis inter cas. Sade Jultus elt due: quia os eius ad iraumdiam pronocani. Andre obsecco uninerst ph: quidere dolorem med. Birgines mee er innenes mei abierut in caprinitatem. Coph Botaui amicos micos: 3 ipli deceperut me. Bacerdores mei er fence mei in urte columpii lime:quia quelierut cibu libi ut refocillarent ani mas fuas. Res Hide die quoniam mbulormbular elt vener me? Bub uedium elt cor meu m memenpa: qui amarinome plena finn. Forie merfict gladius:et domi more fimilis e. Sen Andierut quia ingenisso ego: 4 non eft qui cololeur me. Omnes immid mei audierunt malū meū: lerani lut qui tu fecili. Addurith die cofolatome: et fiet files mei. Can Angrediat one malueoporane: adulndemia

miquians meas. Mula enm geni me meier cor men meres. Aleph.

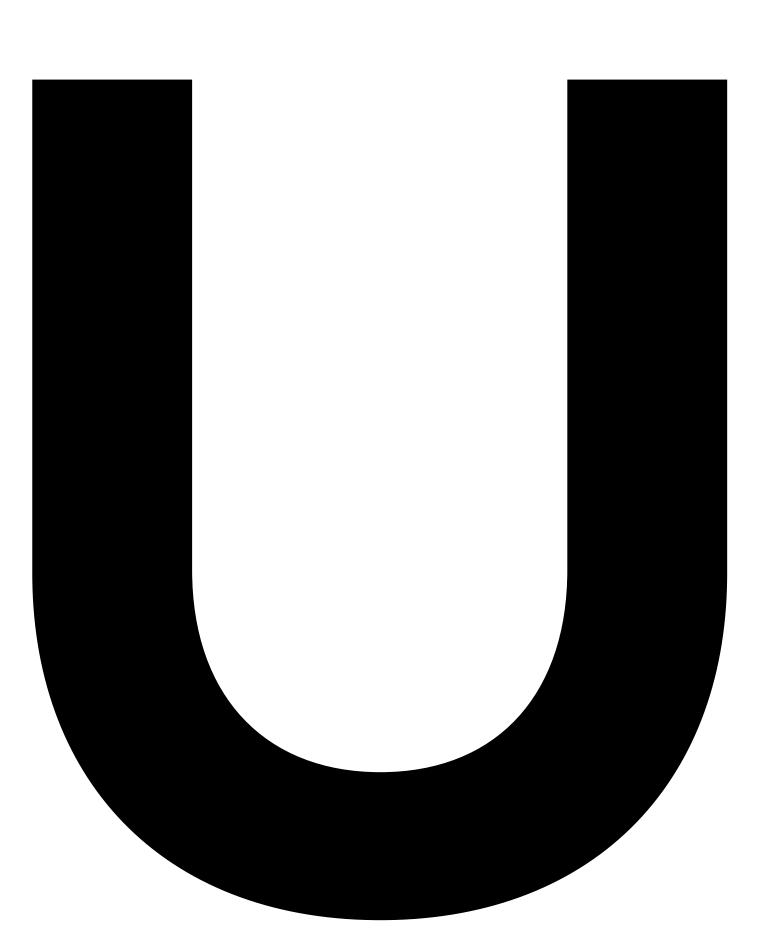
nomodo obrefit caligine i furore fuo bus filia fron . Proiecie te colo in terram inditam ilrahel: a no eft recordatus frabelli pedū fuon ī die furoris lui Sech Precipitauit dus nec peperar omnia speciola iacob: belteurit in furore luo municiones virginis inda a beiedt in terrancipolluit regnu et principes et Bymel Confregie in ira furorie fui omne comu ifrabel: a: uernit retrostu degrera lua a fane inimi= rier furendir in iacob ift igneflame deuorans i giro Delen Terendit ar cum lui quali mimicus: firmanie dereram fua quali hoftis: et occidit o mne qo pulcum erat vilu . In tabernado filie fron effudit fili igne indiquatone fua de fade tons wlut inimicus-precipitauit ifralel. Precipitauit omnia menia ewo: diffipauit muminones rins: a replenit in filia inda humiliatum et humiliata Dan Et diffipanit quali orum tentoriu fuu: demolitus est tabemaculu fini. Obliuioni tradidit due in fron festimitate er labbam: a in obprobrin et in indiquatone furorie fui regem a farerote. Zar Repulit bus altare fini:maledi= at landificationi fue: tradidir in ma nue inimici muros nertiu et?. Borem bederunt in domo bai: ficut in die folemnî Deth Cogitanit die diffipare muru filie fron : tetendit funiculu fuu et non auemit manu fua appinione. luxing are murale: a mur? pariner bilhipar eft . Tech Defire lut i terra porten9:phibit a continuit unites rius: regemeis et principes eins in genibus. Mon eft leg: 3 mbete ei? no inuenerut

nilione a bio. oth Beterür in terra: conticuerue fenes filie ipon: colpedecue rinere capita lua. Accounti lut cilinis. abiecerut in terra capita fua virgines iherusale. Caph Defecerut placimis oculi mei conirbata sunt viscera mea. Effedium elt in terra iecoz meu fup conminone filie pou mercu deficerer parunlus et lades i plareis oppidi. lamech Marribus fine Dixerur ubi é minicu et minu: cu deficerent quafi vulneran in ulamis nuitanis: cum egalarent añas fuas in finu marti fuaru. Ajem Dui comparabo neud cui affinitabo ne filia iherufale: Lui egequabo re-et confolabor te virgo filia fron : Magna enim velut mare contrino tua. Duis medebitur tuis Dun Prophete tui vi berut ribi falla a Rulta: nec aperiebat iniquitatem tua:ut te ab pritentiam prouvcaret . Viderut aut ribi allumpriones fallas a riediones. Samed Plauferur fup te manibs omes trafe: untes p viā: libilauerūt a mouerūt capitafuafup filia ihrlin:heccine e urbs dictes pfedi recorif:gandin umille me re. Am Apruerut lup te os luu onies imimici tui: libilauerut a fremmerut denabus fins: a dixerut beugrabim? .Ain Alta elt dies que eglpedabam?: muenimus-vidimus. He fear de? que mgitanit:compleuit fermone fun que preperat a Diebs ariquis. Deltrurit et non ppercie:leifteauft fup te inimicu: et egaltauit cormi holtiu mon Sade Clamanit cor for ad dam: fupr muros filie fron. Deduc quali torraem lacrimas per diem a nodem: no des requie ribi: negstaceat pupilla oculi mi. Coph Confurge: landa in node m principio vindiaru: effunde ficut aqua cor cui ance conspedi domini.

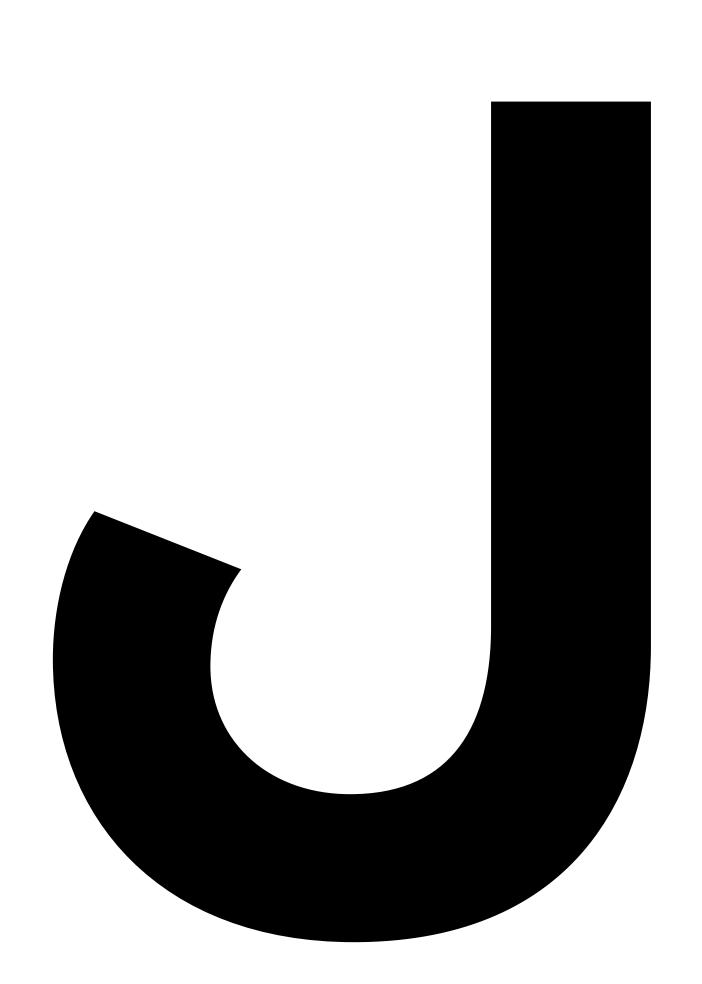
Irua ad rum manus mas panima parunton mon; qui fame pereut in capite omnin compiton. Res Vide bile et confidera:quem vindemiauerie ita. Lego ne comeder mulieres frudu finu: paruulos ad menfurā palme! Bi ocabinir in fauduario biii: facerdos et propheta & Sen Jacuerut in terra foris puer er feneg : virgines mee er innenes mei ceciterut in gladio interfeciffii die furoris mi : pruffifti : nec milenus es. Can . Horath quali die folemnem qui terrerent me de arcuiaca non fuit in die furorie din qui effugerer et reliquereur. Duos edurani a engrunicin imic me columplit cos. Aleph

go vir vitano pauprace mea:in Durga indignaronia ei Aleph Me minauit a abduxit in tenebrie: 4 no i luce. Aleph Tanni in me venir: 3 convertit maitu fua cota die coch Verustam fecit pelle mea a carne mea: contriuit offa mea Seth Edificaure in giro meo: a circubedit me felle et labre Beth In tenebrolis collocauit meifft mozmos sempittos. Gymel Dircuedificauit adulum me ut non egediar: aggravauit compdem meu. Grad Bed a damauero a cu rogaue: ro : erdufit oracione mea. Comel Codulit viae meas lapidibus quadrif: femitas meas fubuerrit Delerh Brluf infibiae fad? Emichi: leo i ablodito. Delerh Bemitas meas fuburmira confregit me:polint me delolata. Deleth Terendir arcu lini:ex poluit me quali figuu ad faginam he Militin reni: bus meis filias pharme fue he ffa: due fum in denfu quit plo meo: canticum eon tota die. De Repleuit me amaritudinibus:inebriauft me abfinthio. Van Le fregie ad numeru dences





For a very long time, U and V were allographs. An allograph is a variation of a letter in another context. Uppercase and lowercase letters are allographs. Before the use of the letter U, the shape V stood for both the vowel U and the consonant V. It wasn't until printing standardized letter shapes in the 1600s that the letter U became regularly used.



The letter "J" originated as an elogated version of the letter "I" and the two were interchangeable for centuries. "I" and "J" were not considered to be separate letters until 1801, with the publication of William Perry's Royal Standard English Dictionary. Perry's dictionary was the first to alphabetize words separately under "I" and "J."



As early as the 7th century, 2 U's or V's were used side by side to delineate certain phonetic components of the latin alphabet. By the 12th century the two forms were represented interlocked as one letter. The practice of printing brought regulation and consistency to the use of language and communication and solidified the "W" as a standard element of the contemporary alphabet.

Reading Assignment: Megg's The Asian Contribution pages 31—41 The German Illustrated Book pages / 8—95