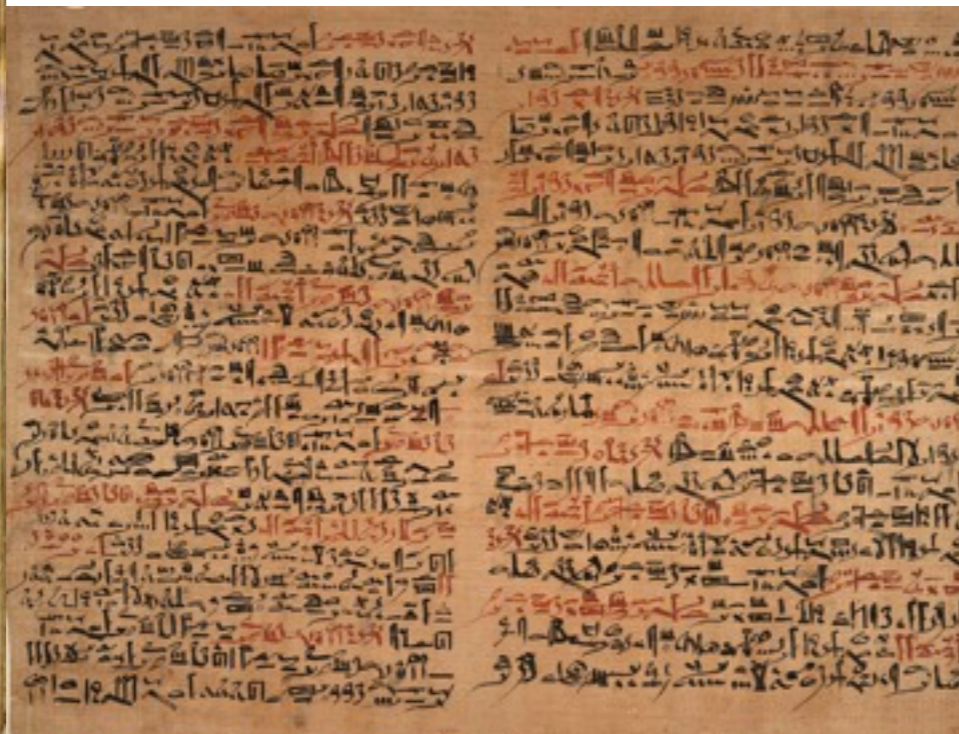
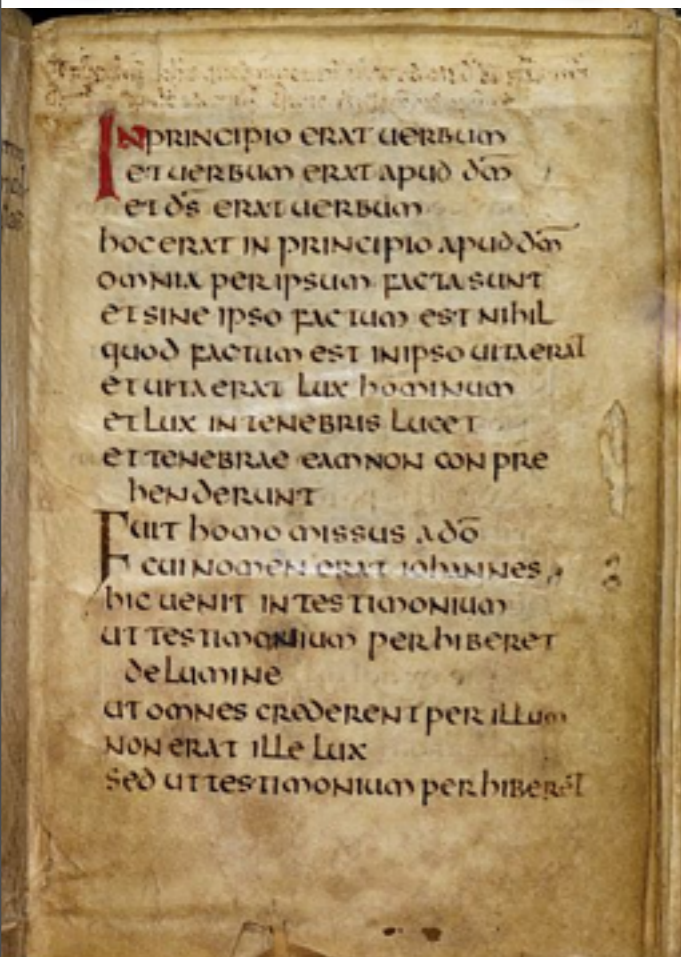


manuscript "culture"

the authority of the text

history of information

February 7, 2013



under way?

administrative issues or questions?

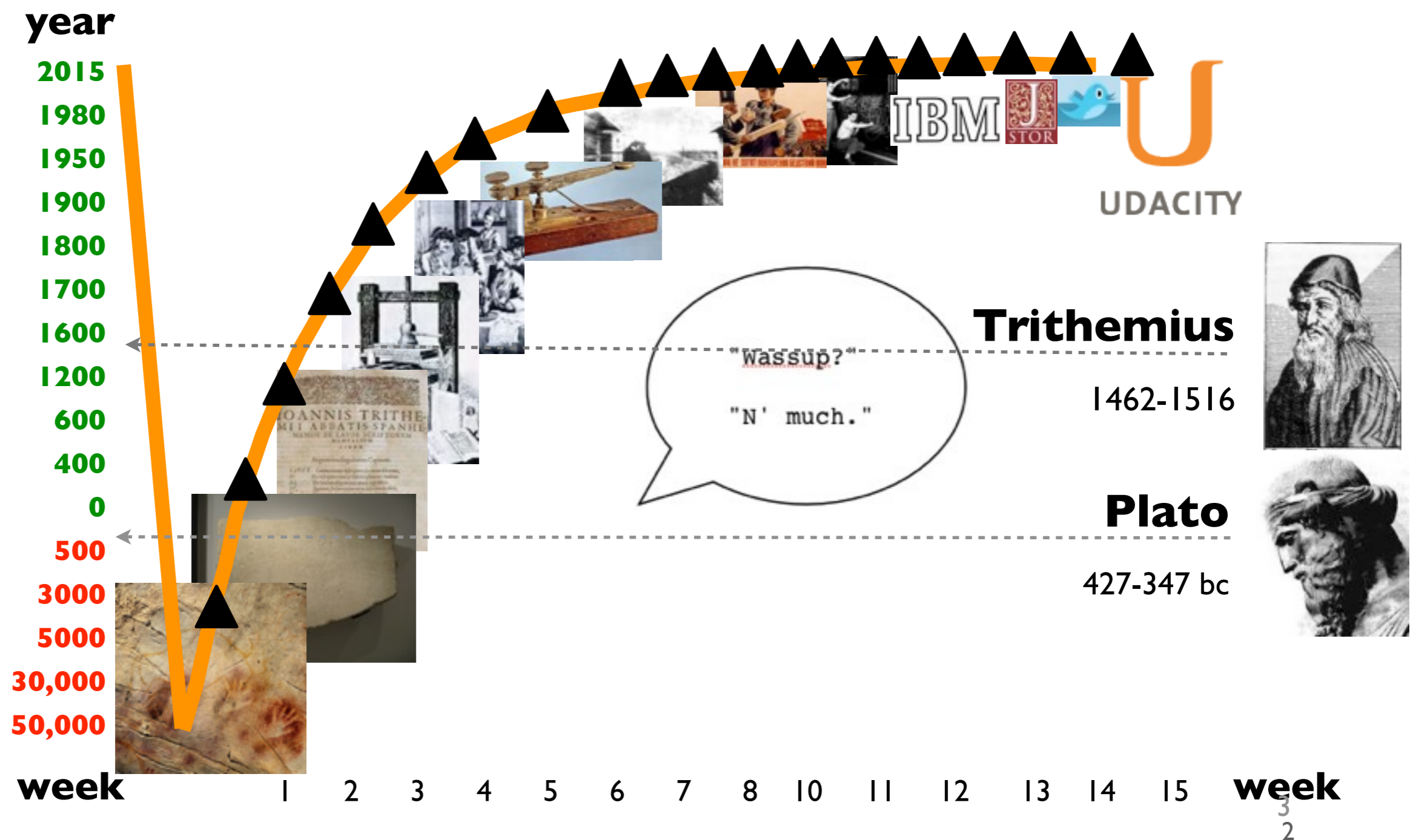
waitlists - clearing

bspace - screwing up

forums - not yet for discussion

Bancroft tour - last chance

Title Text

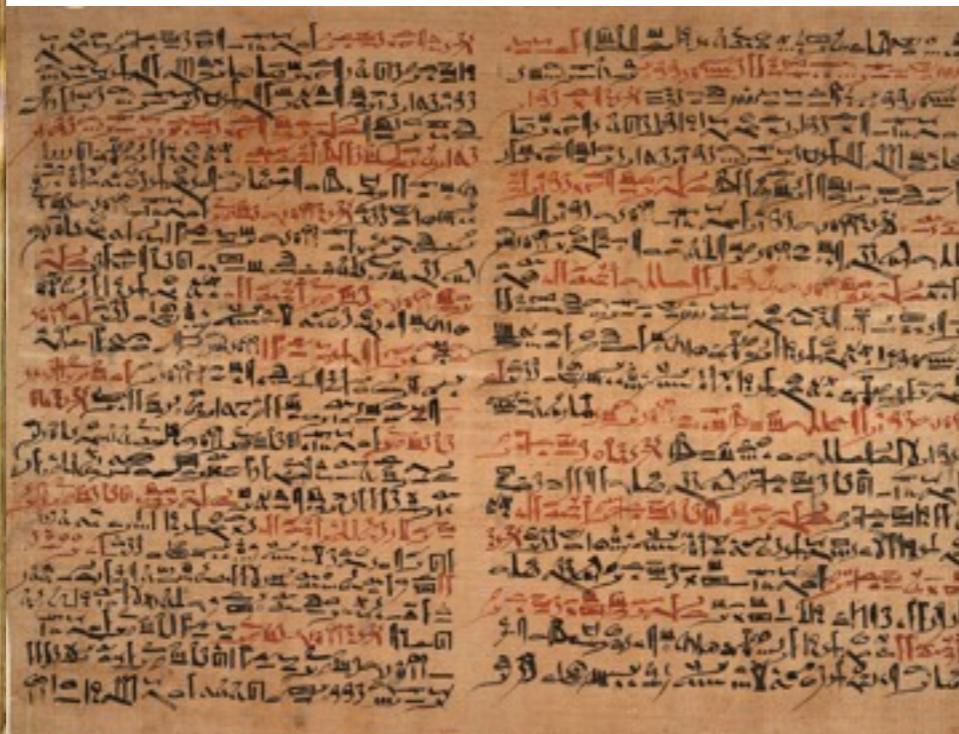
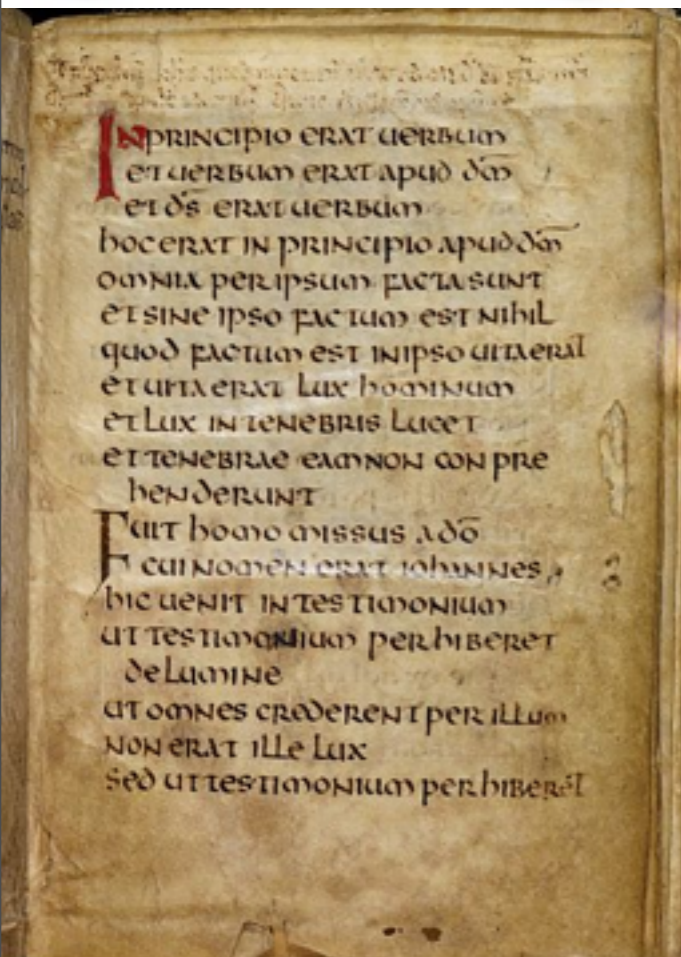


manuscript "culture"

**the authority of the text
& the "missing" revolution**

history of information

February 7, 2013





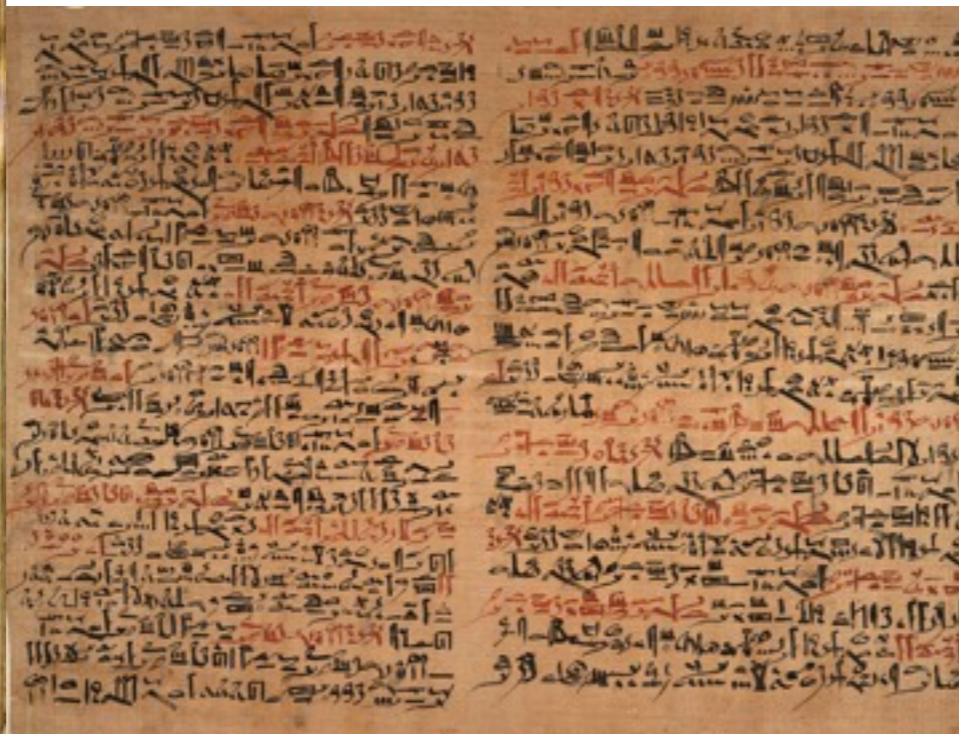
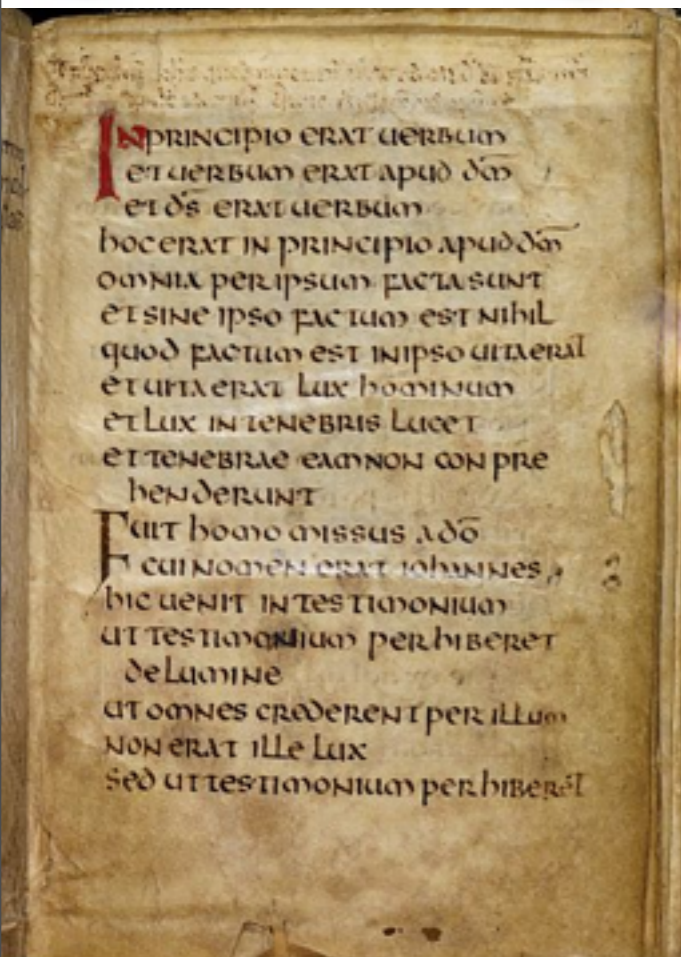
manuscript "culture"

**the authority of the text
& the "missing" revolution**

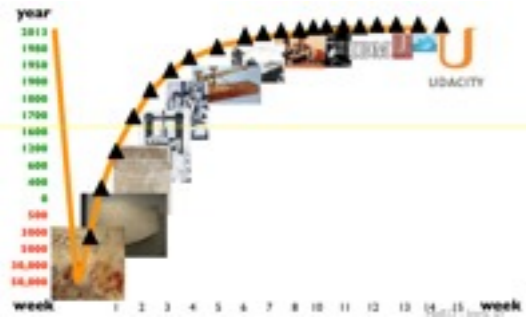


U.S. Contends S.& P. Purposely Used Faulty Models

BY PETER EAVIS



overview



unintended consequences

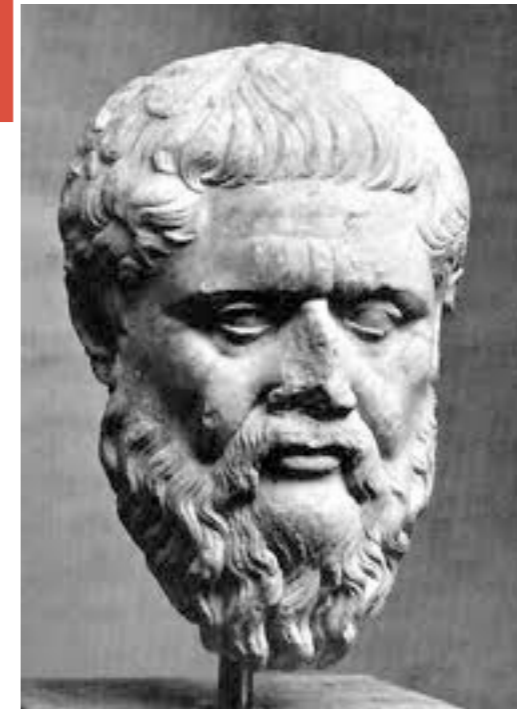
authority of the book

technologies of the book

eyewitnesses

Plato

Phaedrus, ?360bc



Johannes Trithemius,
In Praise of Scribes, 1492



How would Williams judge?

manuscript "culture"



Plato's perspective

that "new technology" -- writing

cast of characters

Socrates

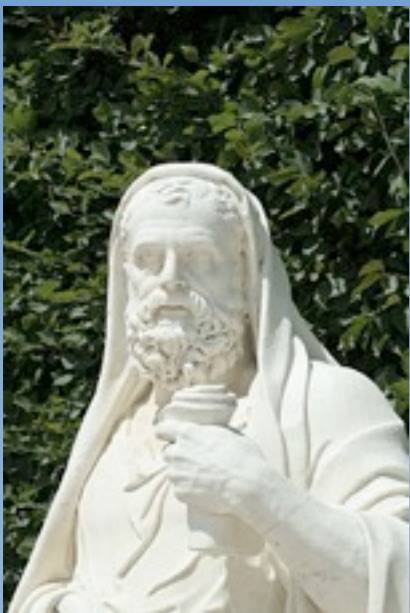
Phaedrus

Lysias

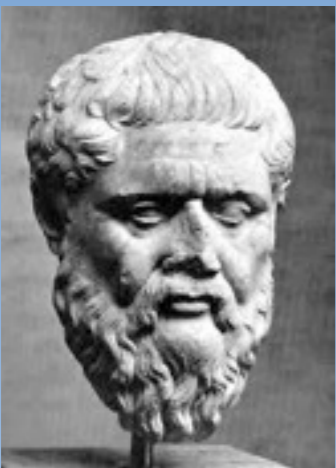
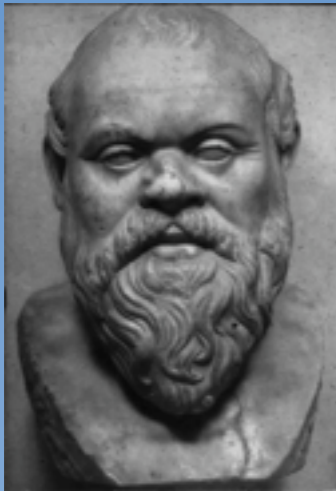
Thamus

Theuth

Thebes



the standard view?



Socrates didn't like books

"I am a lover of learning ... Men lead hungry animals by waving a branch or some vegetables before their noses, and it looks as if you will lead me all over Attica and anywhere else you please ... by waving the leaves of a speech [book] in front of me"

"Plato ...had such a love of books that he bought three books ... at the price of 10,000 *denarii*. Aristotle ... acquired a few books for three Attic talents which amounts to 72,000 *nummi*."

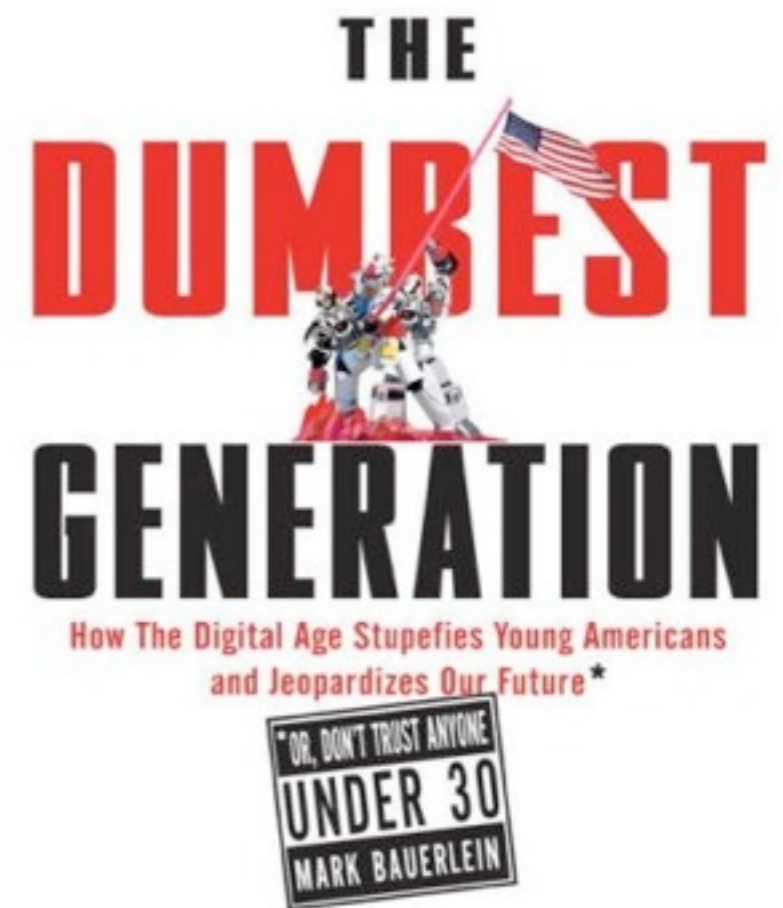
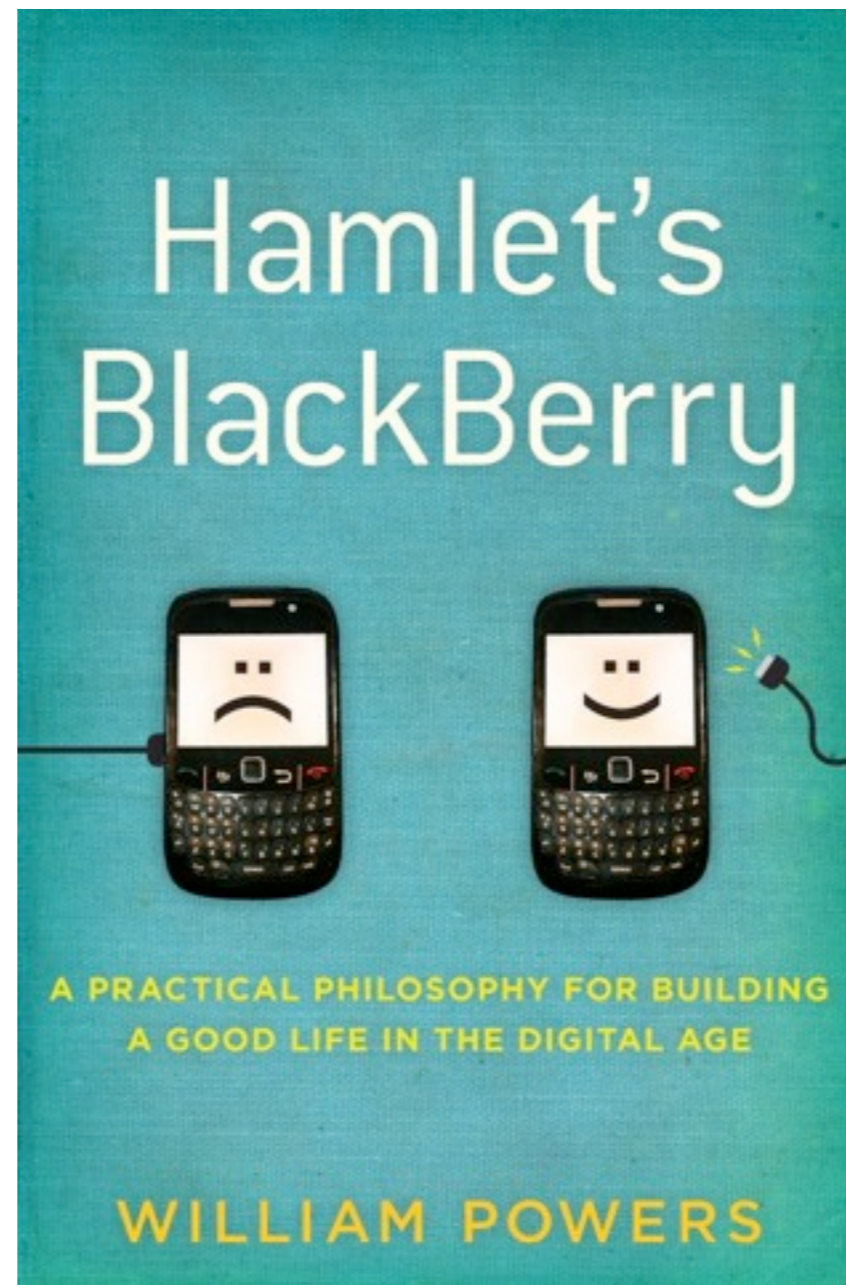
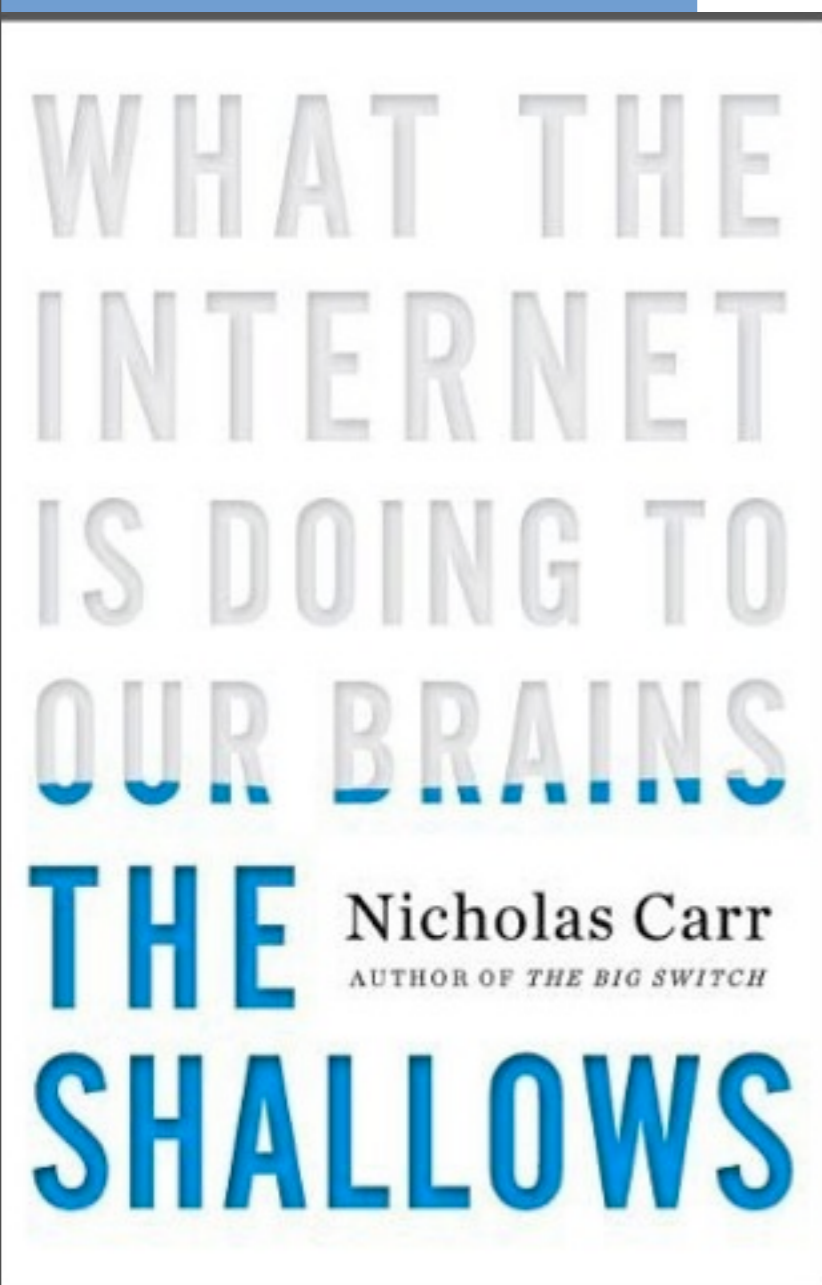
what good is writing?



Theuth: "An accomplishment ... which will improve both the wisdom and the memory of the Egyptians ..."

Thamus: "The discoverer of an art is not the best judge of the good or harm which will accrue to those who practice it. ...Those who acquire it will cease to exercise their memory and become forgetful; they will rely on writing to bring things to their remembrance by external signs instead of on their own internal resources."

Thamus updated?



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Inside Health

[Research](#) | [Fitness & Nutrition](#)

Internet Use Affects Memory, Study Finds

By PATRICIA COHEN

Published: July 14, 2011

The widespread use of search engines and online databases has affected the way people remember information, [researchers are reporting](#).

Readers' Comments

Readers shared their thoughts on this article.




[Read All Comments \(124\) »](#)

The scientists, led by Betsy Sparrow, an assistant professor of [psychology](#) at Columbia, wondered whether people were more likely to remember information that could be easily retrieved from a computer, just as students are more likely to recall facts

they believe will be on a test.

Dr. Sparrow and her collaborators, Daniel M. Wegner of Harvard and Jenny Liu of the University of Wisconsin, Madison, staged four different [memory](#) experiments. In one, participants typed 40 bits of trivia — for example, “an ostrich’s eye is bigger than its brain” — into a computer. Half of the subjects believed the information would be saved in the computer; the other half believed the items they typed would be erased.

The subjects were significantly more likely to remember information if they thought they would not be able to find it later. “Participants did not make the effort to remember when they thought they could later look up the trivia statement they had read,” the authors write.

 RECOMMEND TWITTER LINKEDIN COMMENTS
(124) E-MAIL PRINT REPRINTS SHARE

WHAT THE
INTERNET
IS DOING TO
OUR BRAINS
THE
SHALLOWS

Nicholas Carr
AUTHOR OF *THE BIG SWITCH*



Socratic concerns

speeches

rhetoric

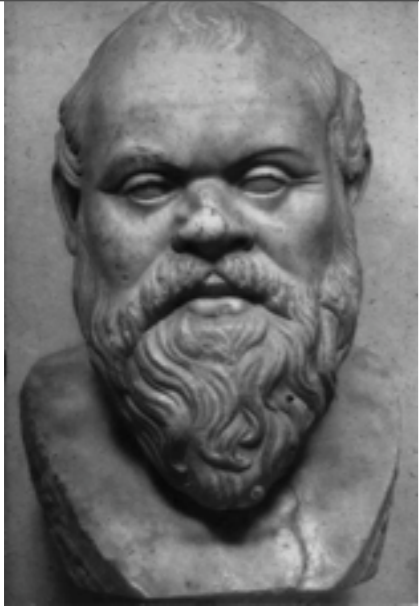
sophists

writing

wisdom

truth [and authority]

dialectic



writing & wisdom

"**Writing** circulates equally among those who understand the subject and those who have no business with it."

"for **wisdom**, your pupils will have the reputation for it without the reality; they will receive a quantity of information without proper instruction, and in consequence be thought very knowledgeable when they are for the most part quite ignorant."

dialectic & truth

"**Writing** involves a similar disadvantage to painting ... if you ask [words] what they mean ... they simply return the same answer over and over ... writing cannot distinguish between suitable and unsuitable readers ...

"when a man employs the art of **dialectic**, and, fastening upon a suitable soul, plants and sows in it **truths** accompanied by knowledge ... such truths can defend themselves ..."



remember?

"But though books are easily procured, yet, even in this age of information, there are thousands in the lower classes that cannot read. Besides, it is a well-known truth, that the same precepts **inculcated by a living instructor, adorned by a proper oratory, enforced by a serious and authoritative manner, produce a powerful effect**, not to be experienced in solitary retirement."

Vicesimus Knox,

Essays Moral and Literary, 1778

6-Hof13-MS 14



living instructors?

"The people's University of the Air will have a greater student body than all of our universities put together." --RCA, 1932



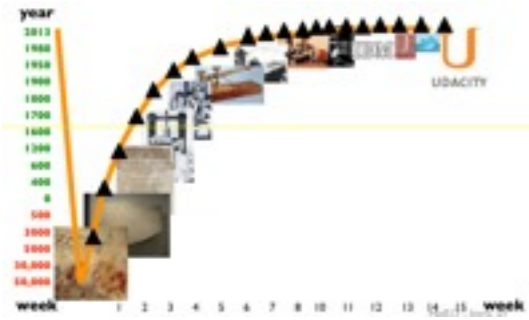
The Khan Academy is a not-for-profit 501(c)(3) with the mission of providing a world-class education to anyone, anywhere.

We are complementing Salman's ever-growing library with user-paced exercises—developed as an [open source project](#)—allowing the Khan Academy to become the free classroom for the World.



coming up:
social implications

overview



unintended consequences

authority of the book

technologies of the book

eyewitnesses

manuscript "culture"

**Johannes
Trithemius,**
*In Praise of
Scribes, 1492*





the set up

Trithemius (1462-1516)

native of Trittenheim

Abbot of St Martin's, Sponheim, 1483-1505





the standard view?

Trithemius didn't like print

"It is my greatest pleasure to own and to know all books I ever saw or which I knew to have appeared in print ... To my regret ... money was always lacking ... for the satisfaction of my passion for books."

I 483: 48 books in monastery library

I 505: 2,000

6-Hofl13-MS 18





reading between the lines

internal battles

contemplation, manual labor, preaching

vs

scribal practice

"The dedicated and sincere scribe ... will not receive less than the preacher"

book collecting

"There are some who reproach lovers of books for having ... too many"

Monks "are so
detested that it is
considered bad luck
if one crosses your
path"

Erasmus,
*In Praise
of Folly*, 1511



external battles

humanism & the university

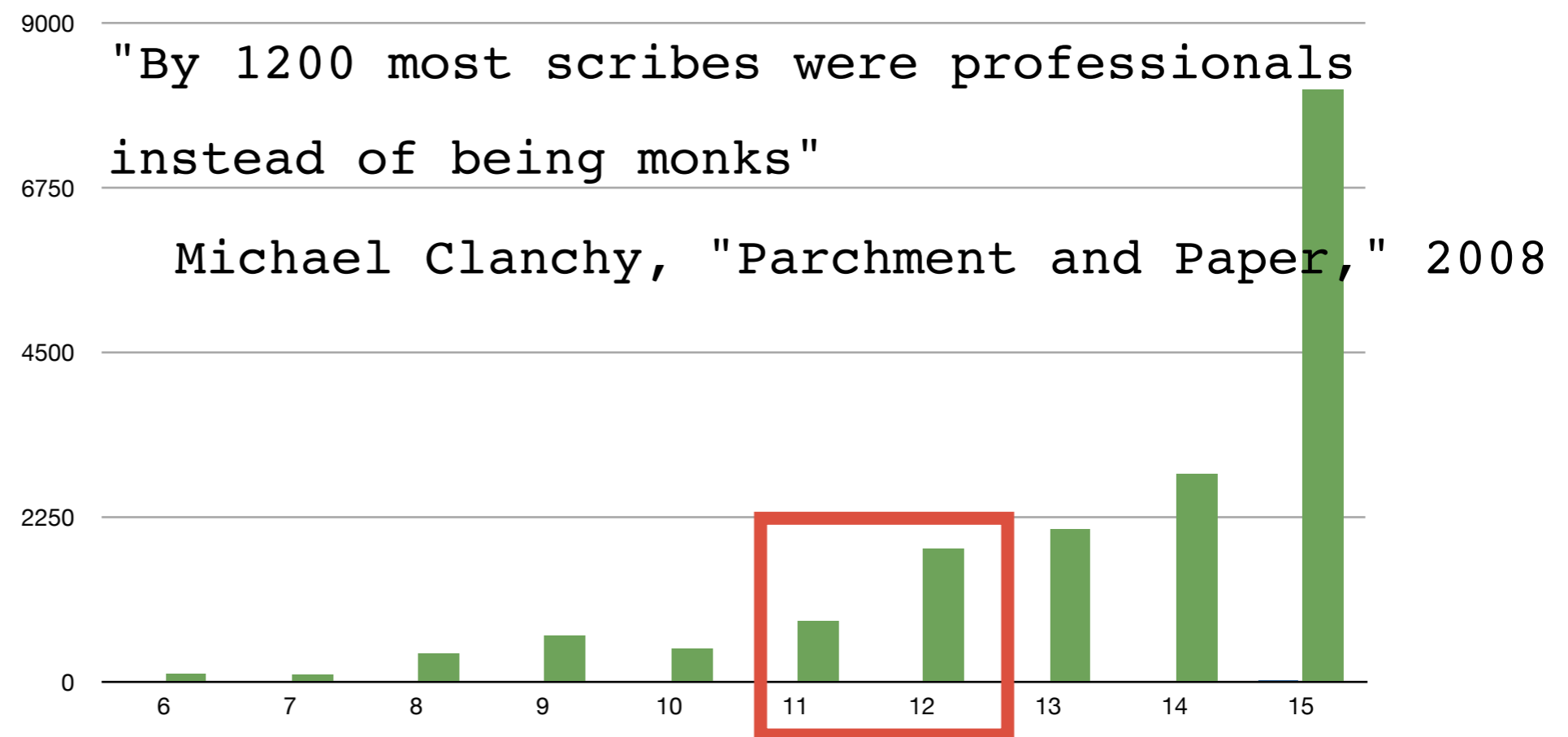
"In the 700 years between the Fall of Rome and the 12th century, it was the monasteries which enjoyed an almost complete monopoly of book production and so of book culture.... from the end of the 12th century a profound transformation took place ... **reflected in the founding of the universities and the development of learning.**"

--Febvre & Martin,
The Coming of the Book, 1984

6-Hof113-MS 20

rising demand, but ...

Manuscript Production in Europe, 6th-15th century



Buringh & van Zanden, "Charting the 'Rise of the West': Manuscripts and Printed Books in Europe" *Journal of Economic History* 2009



another concern

a reasonable lament?

"The written word on parchment will last a thousand years. The printed word is on paper. How long will it last? The most you can expect of a book of paper to survive is two hundred years. Only time will tell."

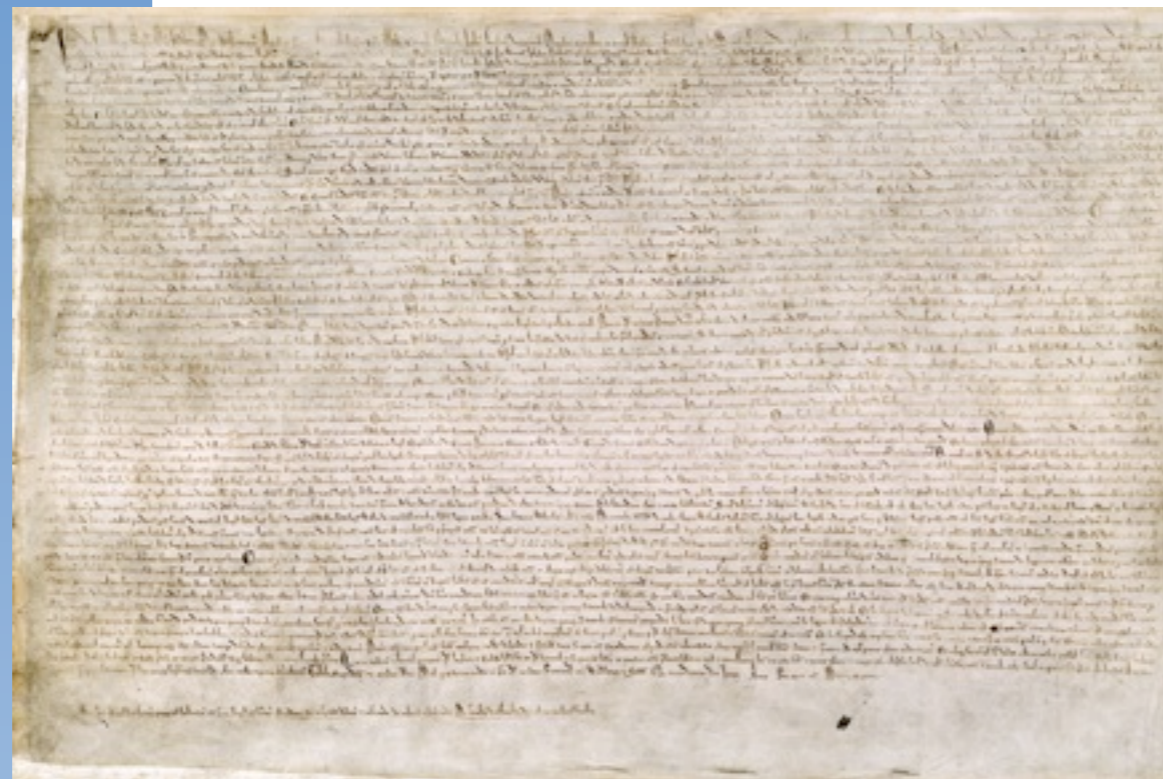
"... not obvious at first ... that printed books would universally supersede the use of manuscripts ..."

Knox, *Essays*, 1782

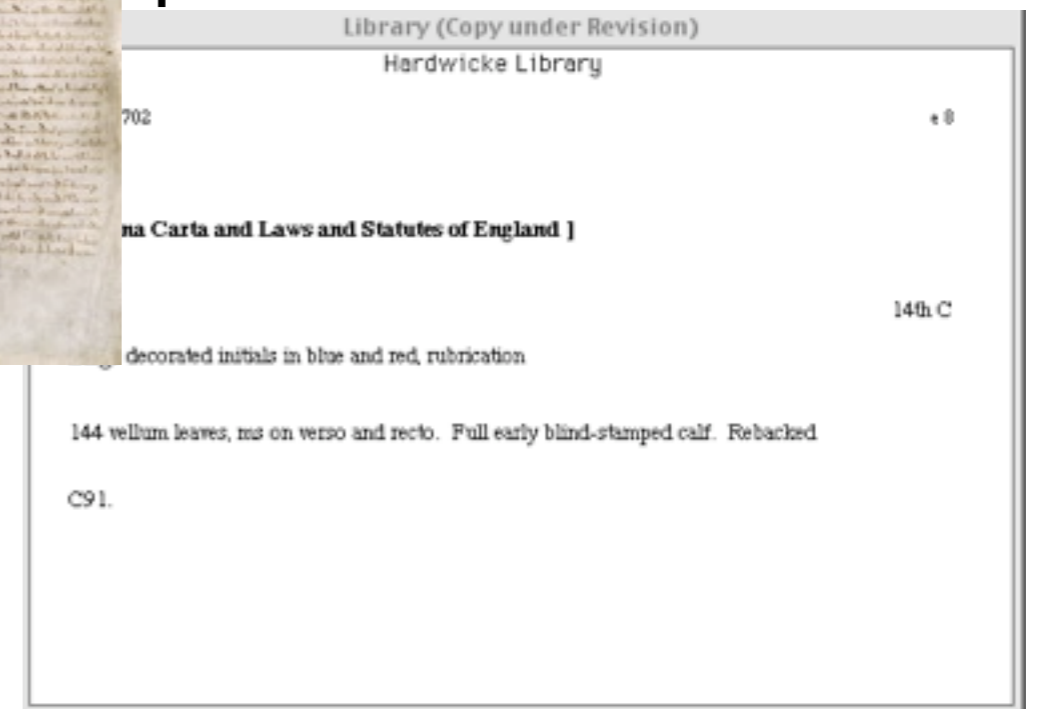


how long?

magna curta?



from
parchment v paper
to
parchment v bits?



6-Hofl13-MS 23

overview



unintended consequences

authority of the book

technologies of the book

"The book is a machine"
I.A. Richards

eyewitnesses

manuscript "culture"



missing "revolution"?

rolled to flat

"the revolution between the second and fourth centuries that changed the very structure of the book by substituting the **codex** for the roll"

--Roger Chartier, *Forms and Meaning*, 1995

"Homerus ... Vergilius ... Cicero ... Titus Livy ... in membranus...quam brevis immensum cepit **membrana**"

-Martial(c38-103), *Epigrams*



Pompeii, c 79 ce



a material question?

stone

clay

wood

wax

parchment/vellum

papyrus

palm

silk

paper

the "immutable mobile"
--Bruno Latour





material changes

geographical determinism?

parchment at Pergamum

papyrus at Alexandria

palm in India (*pattachitra*)

silk in China

"the parchment alone in a fine Bible,
even allowing for the shorthand
script of the day, represented a flock
of perhaps three hundred sheep"

-- John North, *God's Clockmaker*, 2005

paper





looking ahead

"The stone, the palm-leaf, the biblos or bark of the linden tree, the leaden tablet, the papyrus, the parchment, the pugillares ... **progressive advancement** ... At a very late period, a substance formed of macerated linen ... superior in beauty, convenience, and duration and better adapted to the purposes of literature ... By the ease with which it is procured ... recused the ancient authors from the possibility of oblivion."

--Knox, *Essays*, 1782

6-Holl3-MS 28



different stories

a reasonable lament?

"The written word on parchment will last a thousand years. The printed word is on paper. How long will it last? The most you can expect of a book of paper to survive is two hundred years. Only time will tell."

"... recused the ancient authors from the possibility of oblivion ..."

Knox, *Essays*, 1782

technological leaders?

paper

China, 200 bce

Korea, 3d century ce

India, 5th century

Japan, early 7th century

Islam, 8th century

Jews, 10th century

Byzantium, 9th century

-along the "Silk Road"

w. Europe:

Spain 1056 [?]

Italy 1255

France 1348

Germany 1390

Switzerland 1411

Britain 1494

Russia 1690

USA 1690/1



Ts'ai Lun
62-121



dark ages

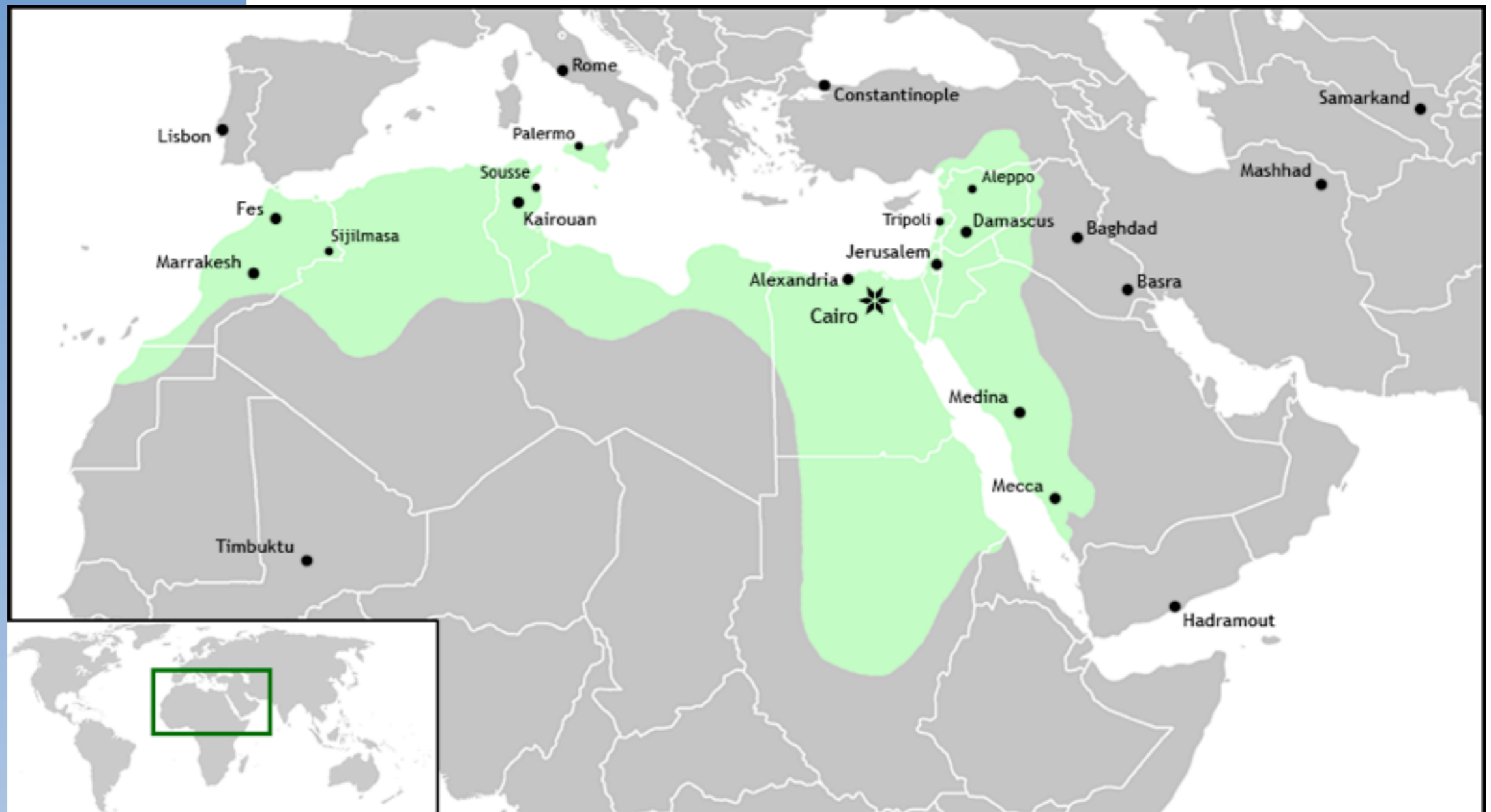
silk road





dark ages

silk road



evolutionary doubts

"No evidence whatever to indicate whether the change of material influenced the change of form, or vice versa... . papyrus roll, the papyrus codex, the parchment roll, and the parchment codex... all perfectly adequate and acceptable forms of book."

--Colin Roberts & T.C. Skeat,
The Birth of the Codex, 1983



superior technology?

random access

one handed

two-sided

pagination

marginalia

footnotes

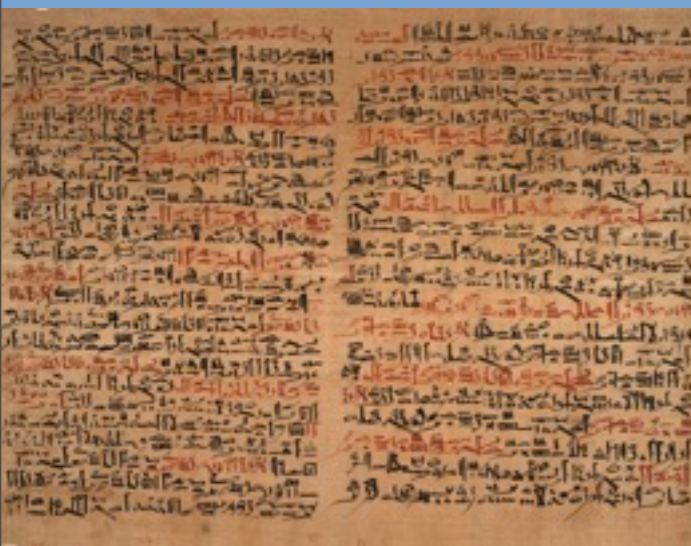
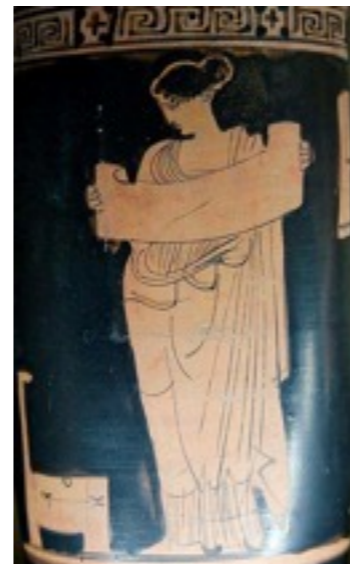
indexes





trivializing the past?

**handy
pages
divisions
(incipits,
explicitis,
colophons,
sillyboi)**



Edwin Smith Papyrus
c. 1600 bce
NY Academy of Medicine



formal changes

parchment to paper

China, 200 bce

Korea, 3d century

India, 5th century

Japan, early 7th century

Islam, 8th century

Jews, 10th century

Byzantium, 9th century

Western Europe, 11 century

scroll to codex

Christians, 2d century

Islam, 8-9th century

Jews, 8-9th century

China, 9th (butterfly)

13th (thread binding)

Korea, ?12th century (sutra binding)

Japan 18th century

what happened to the "Silk Road"?

meanwhile ...

to the manor born

Earl's Court Manor Roll, 1554



"Why medieval England ... kept its records predominantly in rolls remains a mystery."

--Clanchy

6-Hof113-MS 36

scroll to codex

Christians, 2d century

Islam, 8-9th century

Jews, 8-9th century

China, 9th (butterfly)
13th (thread)

Korea, ?12th century
(sutra binding)

Japan 18th century

what does this say of ...?

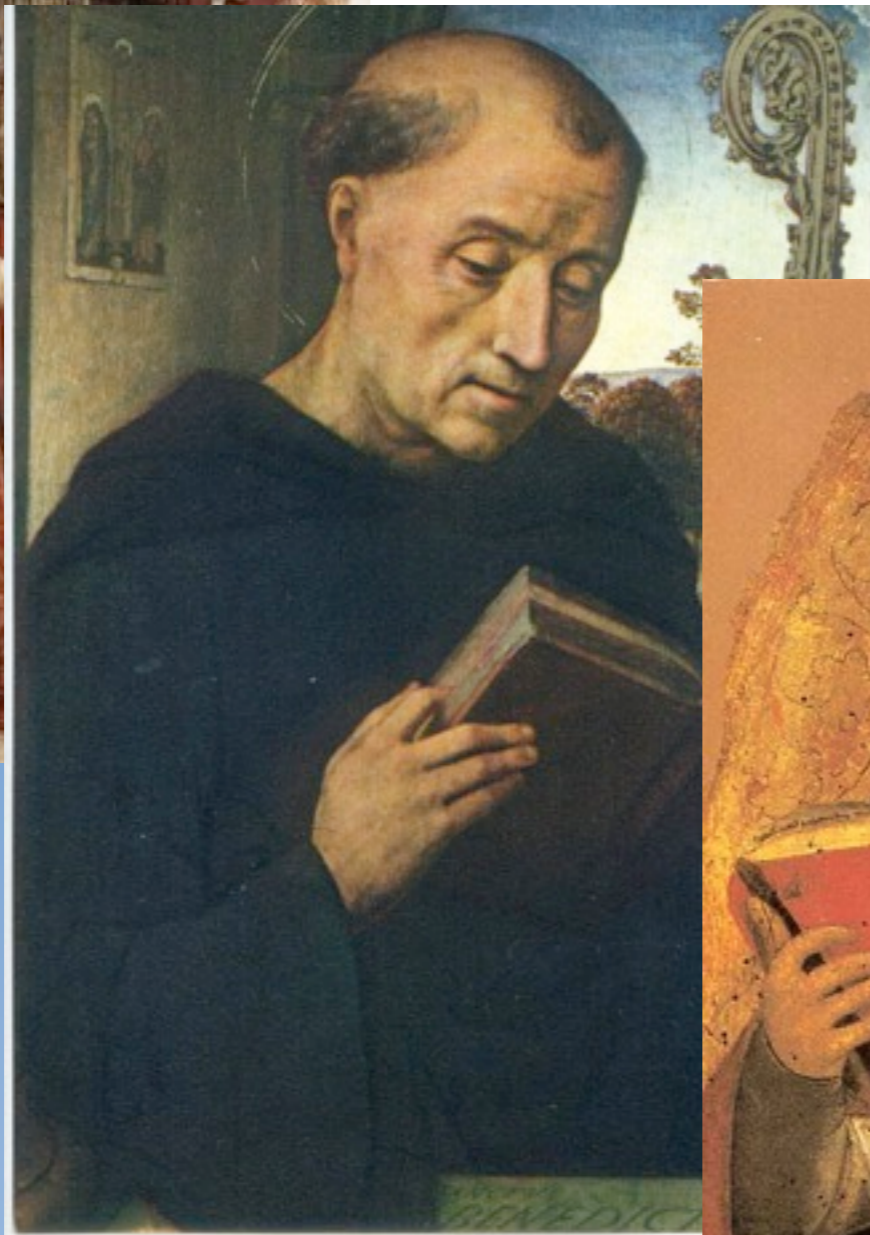
"The **need** for readily available information, which had been steadily rising, was accelerated by the advent of Christianity ..."

"The **need to find information** more rapidly than is possible in a papyrus-roll-form book initiated the development of the Greco-Roman codex in the second century ..."

-- Frederick Kilgour,
*The **Evolution** of the Book*, 1998



technological triumph?





caveat lector

"In late antiquity, all **authority** was founded on Scripture...and the highest authority, the authority of the church, was represented by the codex."

--Guglielmo Cavallo, "Du Volumen au Codex," 1997

"[P]agans ... continued to regard it as a culturally inferior form. In contrast, the great majority of Christian texts were already in the form of codices."

--Peter Stallybrass, "Books and Scrolls," 2002

"[A Jew] took an oath 'on his roll' ... whereas a Christian swore on the book of the Gospel."

--Michael Clanchy, "Memory to Written Record," 1993

6-Hof13-MS 39

overview



unintended consequences

authority of the book

technologies of the book

eyewitnesses

manuscript "culture"

U.S. Contends S.& P. Purposely Used Faulty Models

BY PETER EAVIS

written receipts

"The oldest writings to survive to our time were inscribed five thousand years ago by temple **bureaucrats recording economic transactions ... crops, animals, manufactured goods**"

-- Lerner, *The Story of Libraries*, 1998

"In the twelfth century... magnates used documents occasionally ... In the thirteenth .. laymen began to **convey property** to each other by charter; in the latter half ... this practice extended below the gentry class to some peasants.

-- Clanchy, *From Memory to Written Record*, 1993

6-Hof113-MS 41

trustworthy?

donations of Constantine (c. 750-800)



forgery recognized by Nicholas of Cusa, 1565

6-Hofl13-MS 42

more sceptical

Hadith & Isnād

"documenting the authenticity of all transmission of knowledge ... truth does not reside in documents, however authentic, ancient, or well-preserved, but in authentic human beings ... Documents alone, without a line of persons possessed of both knowledge and righteousness ... are useless ... a book ... of no use without ... certification of master"

Graham, "Traditionalism in Islam," 1993
6-Hofl13-MS 43



Henry I (1068/9–1135)

what/who to trust?

Henry I v Anselm

"We don't accept the evidence of monks
against bishops, why should we accept that
of a sheepskin?"



St Anselm (1033–1109)

medieval contracts



truthiness

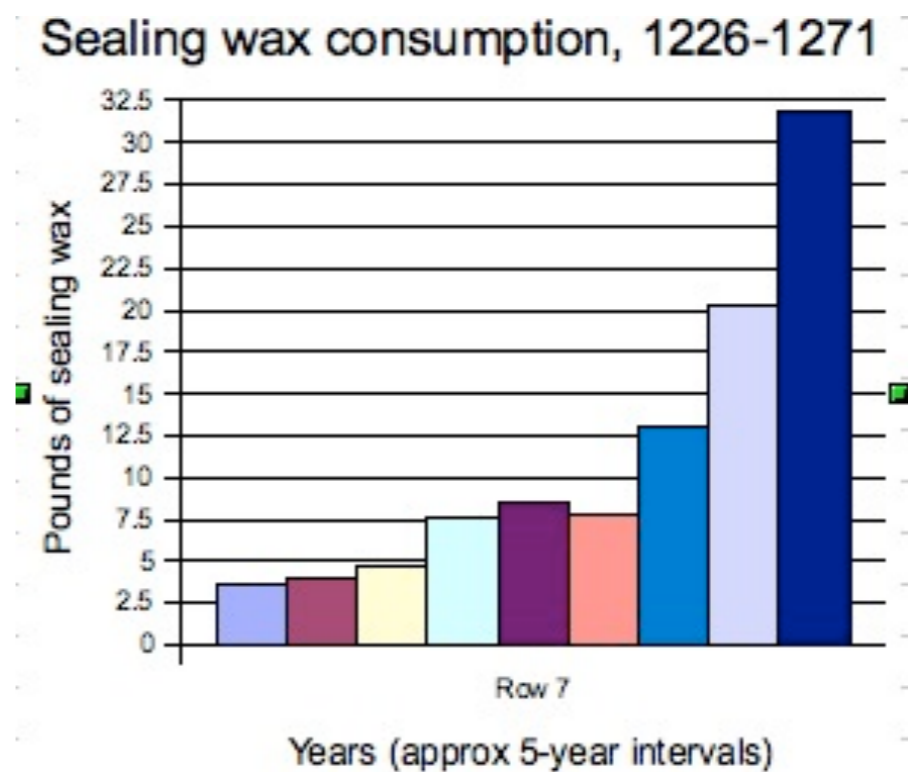
documentary problems

"If you ask [documents] what they mean ... they simply return the same answer over and over again ..."

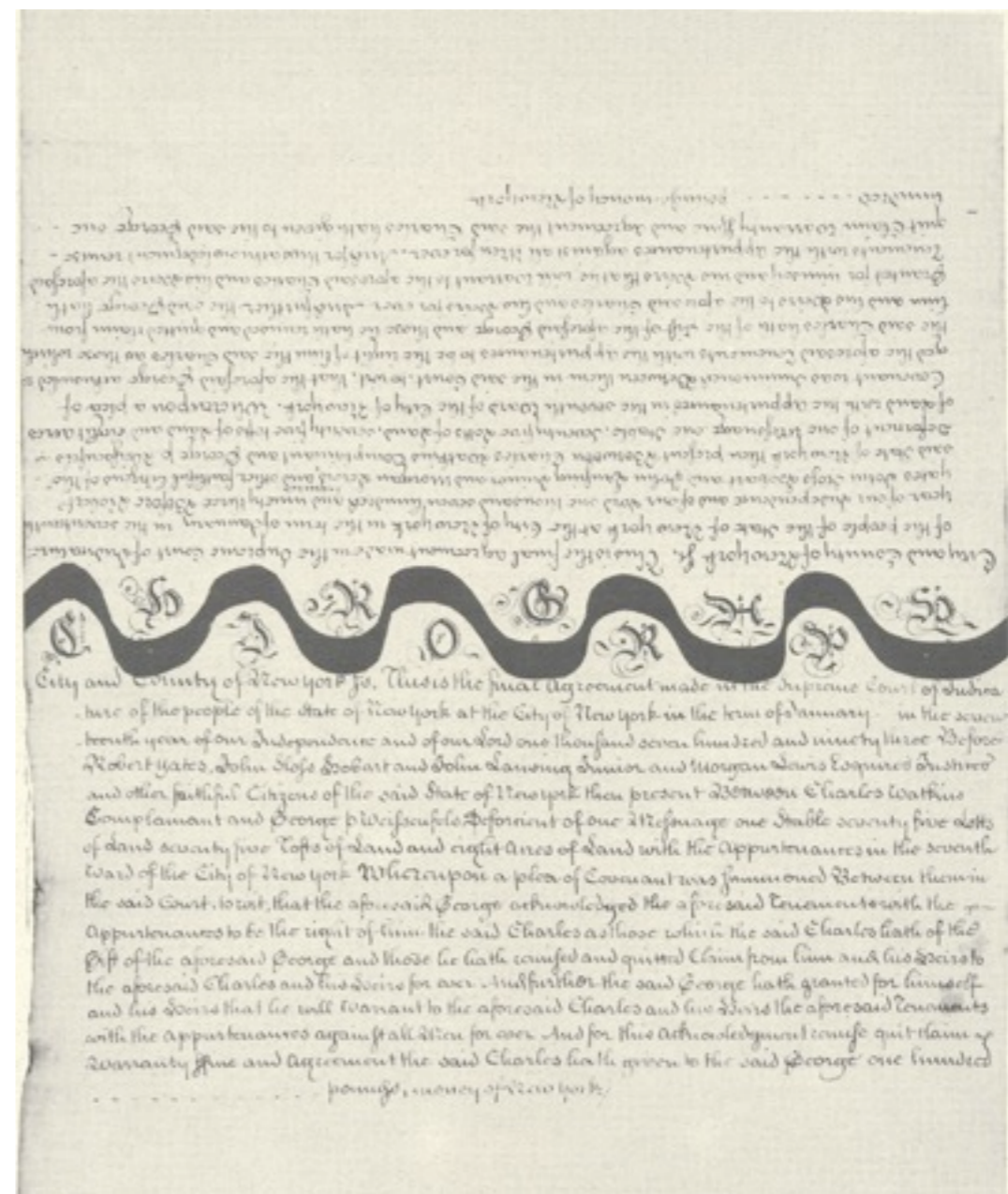
"Truth is not enough for you; you think it matters who the speaker is and where he comes from. ... "

--*Phaedrus*

sealing the deal



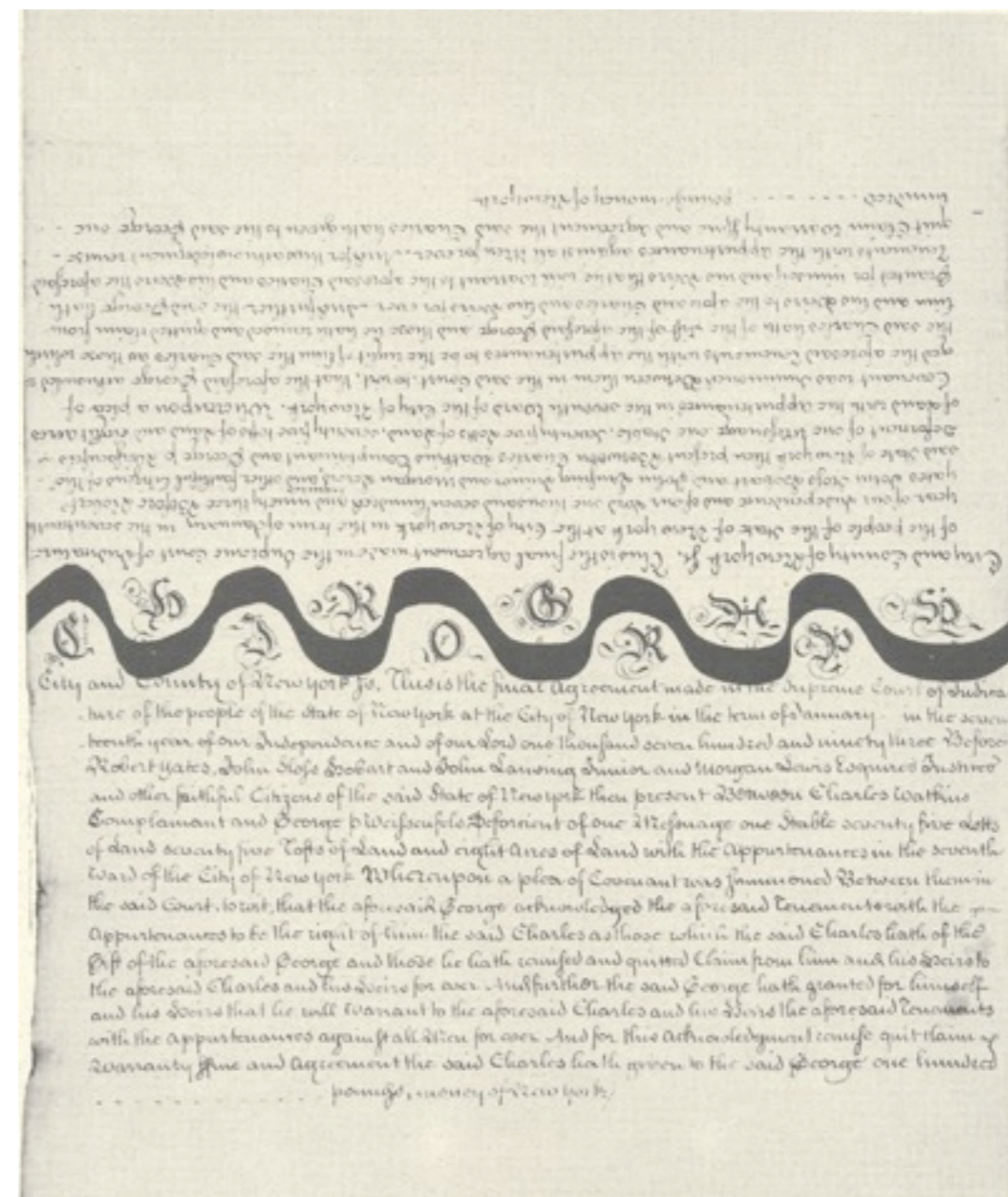
chirograph



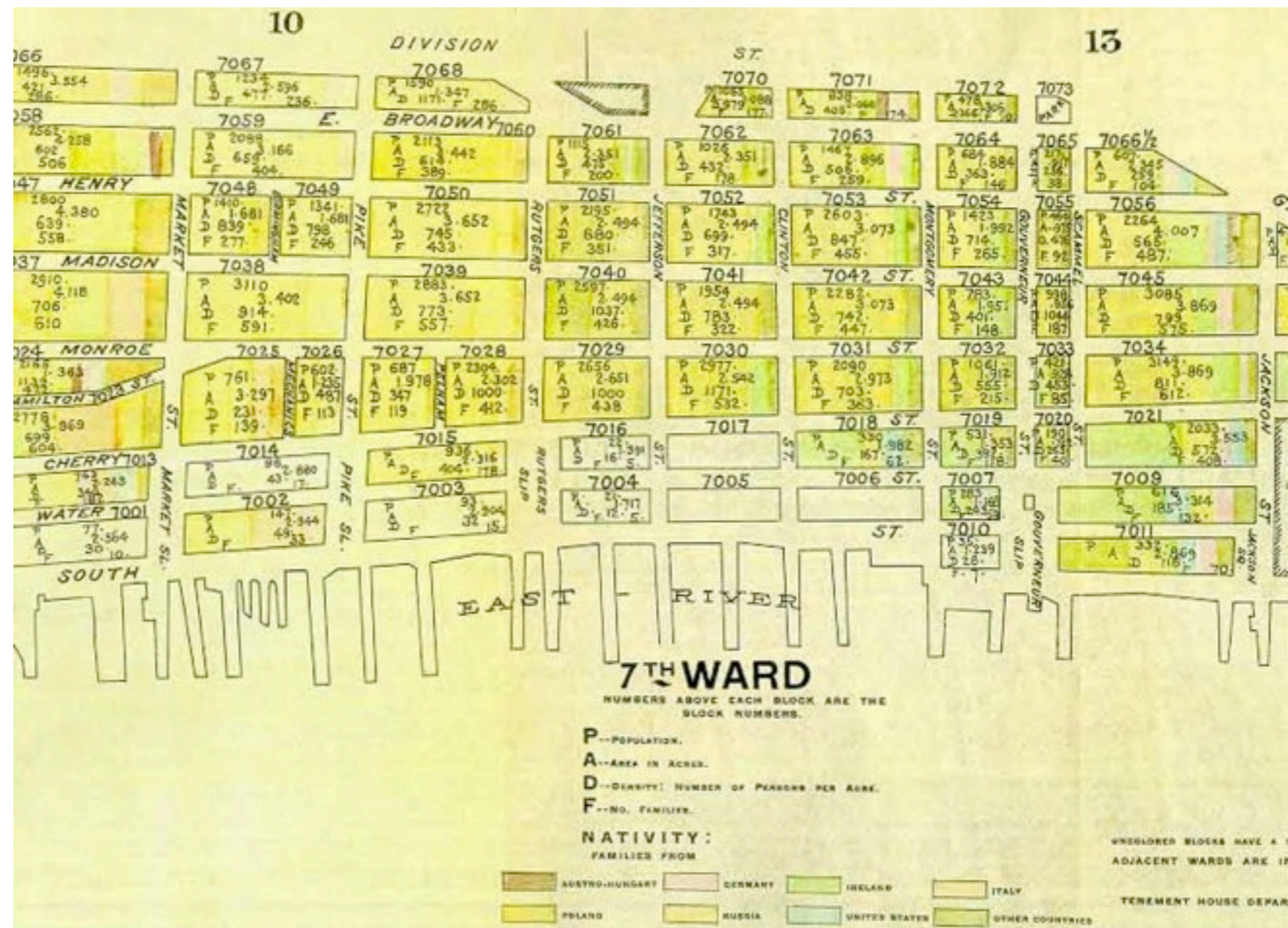
6-Hofl 13-MS 48

chirograph

"Fine and Recovery:
Conveyance of
property,
7th Ward NYC, 1793



chirograph



1793 how different from ...?



1793
how different from ...?



1793 how different from ...?



The screenshot shows the Wired.co.uk website interface. At the top is the site logo 'WIRED.CO.UK' and a search bar. Below the logo is a navigation menu with links for HOME, NEWS, REVIEWS, PHOTOS, VIDEOS, MAGAZINE (which is highlighted), PODCAST, and TOPICS. Under the MAGAZINE link, there are sub-links: Special: The Wired World in 2013, The Wired 100, Hot EU Startups, Magazine Archive, and Read. The breadcrumb trail reads: Home > Magazine > 2013 > 01 > Features > Hacked. The article title is 'Hacked: Passwords have failed and it's time for something new' by Mathew Honan, dated 17 January 13. To the left of the article text is a vertical image of a rusty metal rod. The article text discusses the revelation that browser vendors Microsoft, Google, and Mozilla have blocked two faulty SSL certificates generated by the Turkish Certificate Authority third-party TURKTRUST, and the company's response that there was no attack, fraud, or other crime leading up to or arising from the mistake.

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Home > Magazine > 2013 > 01 > Features > Hacked

MAGAZINE

Hacked: Passwords have failed and it's time for something new

By Mathew Honan | 17 January 13



TURKTRUST: No harm from fake digital certificates

07 January 2013

In the wake of the revelation that browser vendors Microsoft, Google and Mozilla have blocked two faulty SSL certificates generated by Turkish Certificate Authority third-party TURKTRUST, the company has responded that there was no attack, fraud or other crime leading up to or arising from the mistake.

overview



unintended consequences

authority of the book

technologies of the book

eyewitnesses

manuscript "culture"

Buri Buri land grant 1827-1872

Wednesday, February 6, 2013

documenting ownership ancient issues?

Buri Buri land grant 1827-1872



Title:

[Diseño del Rancho Buri Buri : San Mateo Co., Calif.]

Description:

4362 B84 On verso: Deposited ... November 30th, 1860. From: U.S. District Court. California, Northern District. Land Case 101 ND, page 481; land case map D-231 (Bancroft Library). José de la Cruz Sanchez, clmt. Pen-and-ink and watercolor. Relief shown by shading.

Creator/Contributor:

United States. District Court (California : Northern District). Land case. 101, Related Name Indexing Term

Date:

1860

Contributing Institution:

UC Berkeley, Bancroft Library



unintended consequences

quo warranto?

"No document coming from such centres of proved fabrication as Westminster, Evesham, Winchester cathedral, Chertsey and Malmesbury should be accepted at its face value without close examination. ... Ancient monasteries like Chertsey had traditionally forged charters. Now that the king was keeping copies ... abbots ensured that their forged documents were reinforced by inspection in the Chancery and enrollment among the royal records. The Chancery rolls, which were intended to prevent fraud, thus became a means of making forgeries official."

--Clanchy, *From Memory to Written Record*



science of diplomacy

Jean Mabillon (1632-1707)

De Re Diplomatica, 1681

"the Reformation era ... bringing to light thousands of documents .. hitherto inaccessible and unknown. ... France pioneered in this new historical research ... Mabillon Montfaucon."

-- James Thompson,
"The Age of Mabillon," 1942



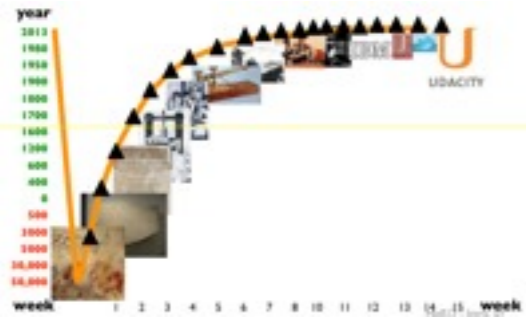
from authority to ...

a guide to forgery

Mabillon "had exposed the fabricated charters of the Carmelite Father Andrew, in a model memorandum which later fell into the forger's hand, and was taken by him to heart with such good effect that he was able with a subsequent fabrication to have his revenge by planting one of his forgeries ... on Mabillon himself"

--David Knowles

overview



unintended consequences

authority of the book

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"this will kill that"?

manuscript after print

accounting

music

note taking

personal communication

"subversive forms"

a real "revolution"

and so to Gutenberg

12 Feb: Print 'Revolution'

Required Readings

- Knox, Vicesimus. 1817, *Essays, Moral and Literary* (seventeenth edition). London.
read "Introductory Remarks on the Art of Printing" pp. 76-81; "On the Circumstances which Led to the Discovery of the Art of Printing, with Miscellaneous Remarks on It" pp. 81-87; & "On the Moral, Political, and Religious Effects of Printing, with Concluding remarks" pp 87-96.
- "How Luther Went Viral", *Economist*, 2011, Dec 17.

Additional Materials

- Listen to *Economist* discussion at the same link.

assignment

On looking back in 1900, Henry Adams wondered whether the child of 1854 stood closer to the year 1 than to 1900.

Similarly, looking at Vicesimus Knox, we ask do he and his account of printing in the 18th century seem closer to Socrates and Trithemius or to the writer of the *Economist* article on Luther in 2011.