VISUAL INFORMATION: THE USES OF THE IMAGE

July 22, 2009

History of Information – Lecture 8 – Dan Perkel

Today's Agenda

- Images pre- and post- ... ?
- □ The many changes of the 19th Century
- A brief "comparison" of the rise of two forms of mass media: photography and comics

Images, pre- and post- [CHOOSE!]

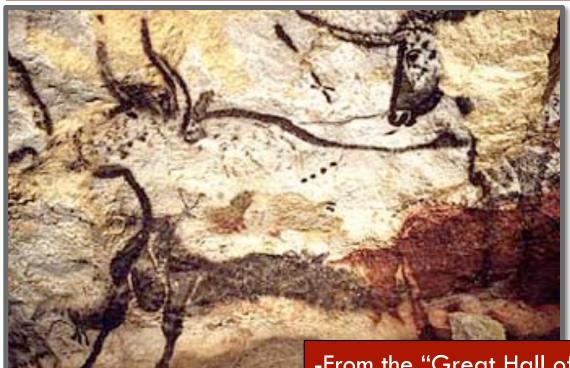
Choices:

Print?

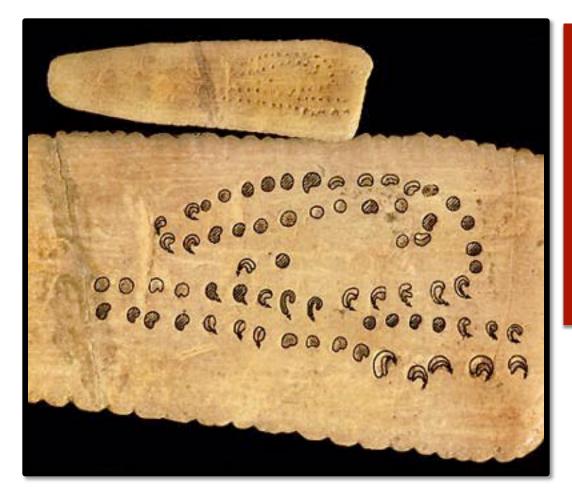
Guttenberg?

Other?

Early representational artifacts



-From the "Great Hall of Bulls", Cave Paintings found in Lascaux, France. 15-13,000 B.C.E. (though perhaps even older). Retreived from: http:// www.culture.gouv.fr/culture/arcnat/lascaux/en/

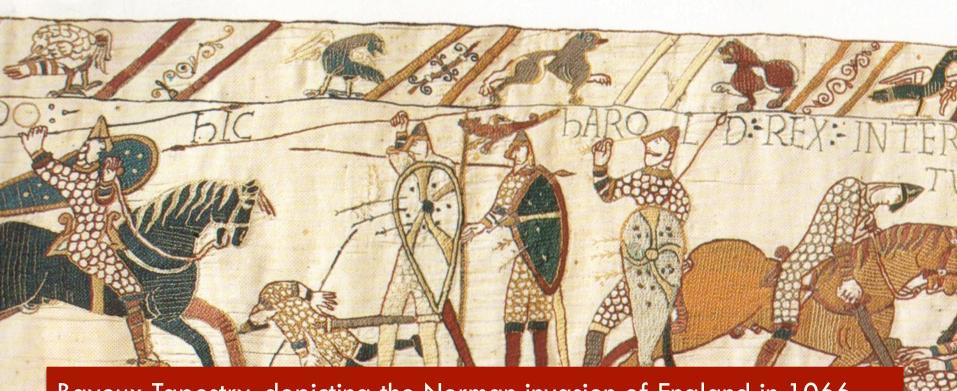


Cro-magnon bone tool, perhaps the "earliest known form of notation" that may "mark phases of the moon." (Marshack, Alexander) Image retrieved from http:// www.donsmaps.com/ cavepaintings2.html. Src image unknown.

"Images and symbols... were markers of periodic and continuous cultural processes, of rites, and of repetitive myths and stories..."

-Marshack, Alexander. 1999. "The Art and Symbols of Ice Age Man"

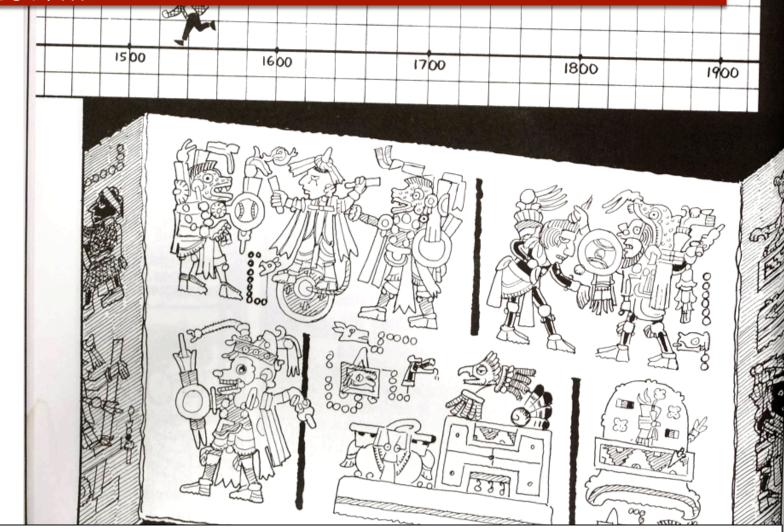
An early (visual) war narrative



Bayeux Tapestry, depicting the Norman invasion of England in 1066 CE. Date of creation of "tapestry"?

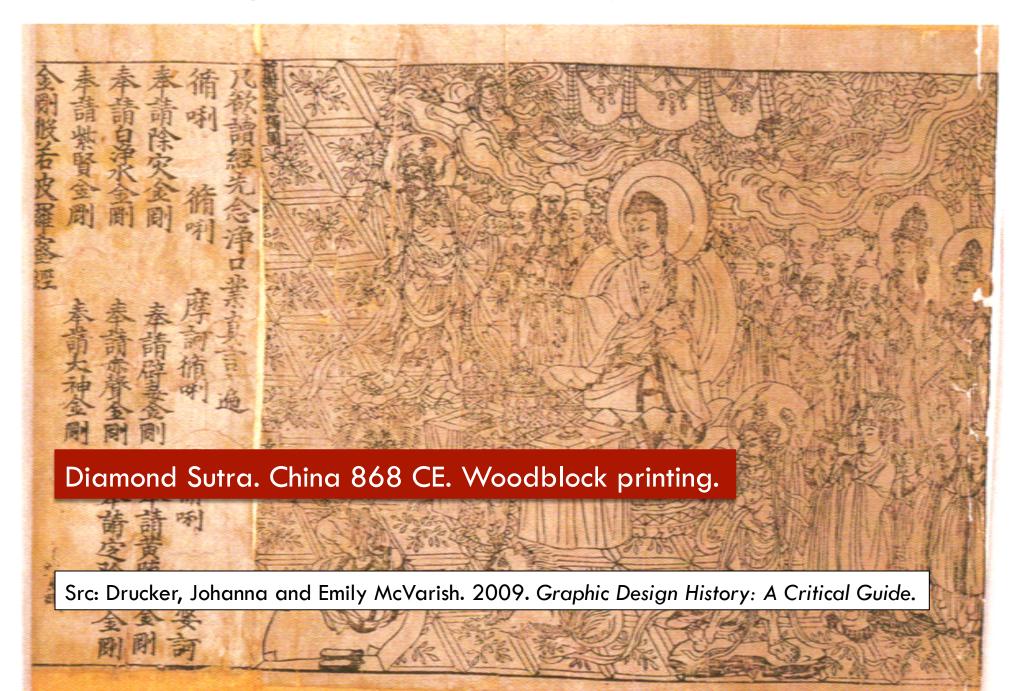
Src: http://www.igshistoryonline.co.uk/Images/Bayeux%20tapestry%20-%20Harold.jpg

For your further enjoyment, see also these versions: http://www.youtube.com/watch?v=bDaB-NNyM8o (Dramatic score! Animation!) http://www.youtube.com/watch?v=XDkhB1a1sW8 (Set to the Buggles?!) "Tiger's Claw" manuscript – Another depiction of war and politics, this time from Central America before European colonizers. Picked off by Cortez in 1519...



McCloud, Scott. 1994. Understanding Comics: The Invisible Art. New York: Harper Paperbacks.

The oldest printed "book" (scroll)?



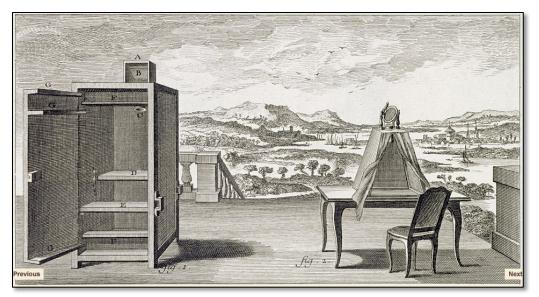
11th and 12th C. Japanese Scrolls

Chōjū-giga, "humorous pictures of birds and animals"? "frolicking animals"? ("The Animal Scrolls")

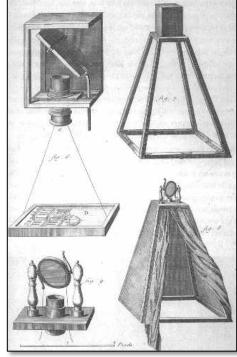
Src: Schodt, Frederick L. 1983. Manga! Manga! The World of Japanese Comics. Tokyo: Kodansha International.

Security States and Alexand

The camera obscura



(A later Italian version?) Src: http:// www.grouporigin.com/clients/qatarfoundation/ chapter2_4.htm



Src: http://www.solarnavigator.net/cameras.htm

Ali al-Hasan ibn Al-Hasam ibn Al-Hayatham, or "Alhazan" (965 – 1039 CE)

Src: http://www.ph.utexas.edu/~103n/

Religion...

The Book of Hours



Src: Sterponi, Laura. 2008. Reading and meditation in the Middle Ages: Lectio Devina and the Book of Hours. *Text & Talk* 28(5), 667-689.

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Natural history and education

Src: Drucker and McVarish. 2009.

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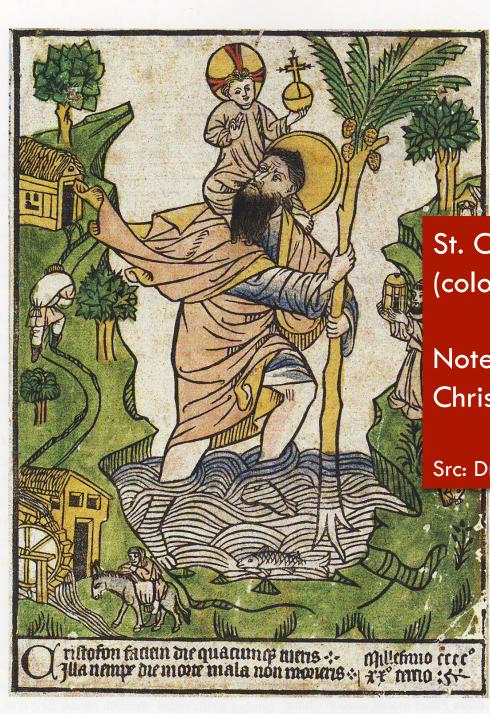
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"After print"? Or "After Gutenberg"? McCloud, Scott. 1994.



Earliest printed artifact in Europe?

St. Christopher woodblock, 1423 (color added later)

Note the Asian influence and the Christian theme

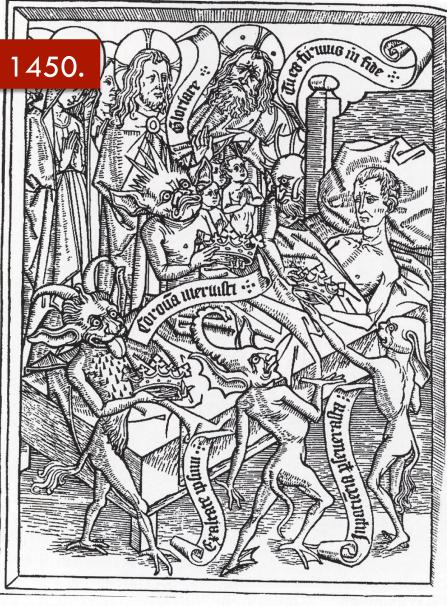
Src: Drucker and McVarish. 2009.

"Graphic books of religious instruction"

Ars Moriendi ("The Art of Dying") 1450.

"Two languages were in use one that served an expanding literate population and one that engaged nonliterate readers through visual imagery; each created a community of users."

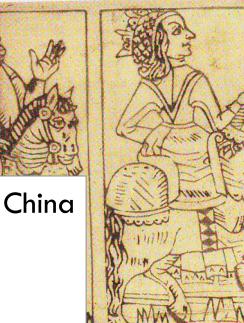
Src: Drucker and McVarish. 2009.



"Sheet Dice"

1470. Another import from China
Outlawed amongst workers

Src: Drucker and McVarish. 2009.







Some forms of gambling weren't so problematic



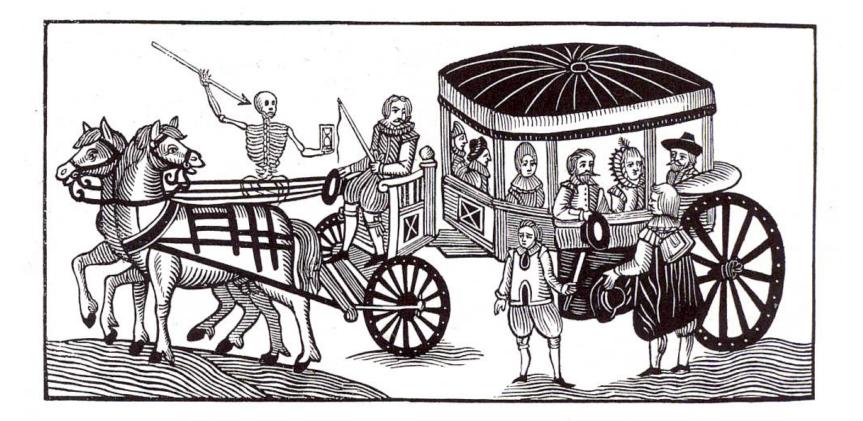
Broadsheet: "The Great Standing Lottery for Virginia." 1615. Src: Sabin, Roger. 1996. Pioneers. Comic, Comix & Graphic Novels. London, UK: Phaidon Press Limited And the enjoyment of others' vices...



Broadsheet: "Execution Broadsheet." 1623.

Src: Sabin, Roger. 1996. Pioneers. Comic, Comix & Graphic Novels. London, UK: Phaidon Press Limited

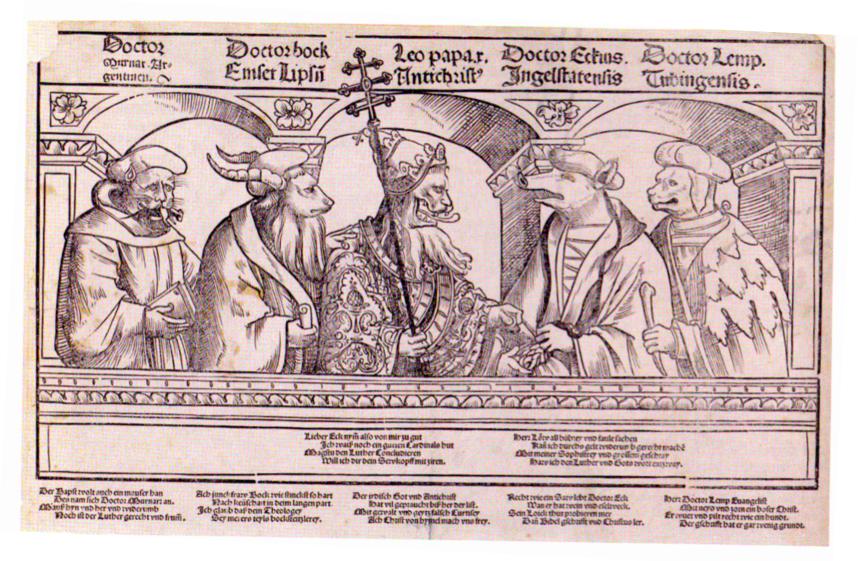
Spreading the news of plague...



Broadsheet: Londoners fleeing the plague. 1630.

Src: Sabin, Roger. 1996. Pioneers. Comic, Comix & Graphic Novels. London, UK: Phaidon Press Limited

Unsettling satire...



"Broadside satirizing the Pope and enemies of Martin Luther" (1521) Src: Drucker and McVarish. 2009.

Newsbooks (recap from last time)



 "The crying Murther: Contayning the cruell and most horrible Butcher of Mr. Trat" (1624)

Newsbooks (recap from last time)

- Often sensationalistic
- Sometimes highly regulated
- About "foreign" news or Fait divers
 - "...acceding to pressure from authorities and to their own rooting and commercial interest, they tend to provide their audiences with a version of what their audiences wanted to hear"
 - A History of News. Mitchell Stephens. 1988

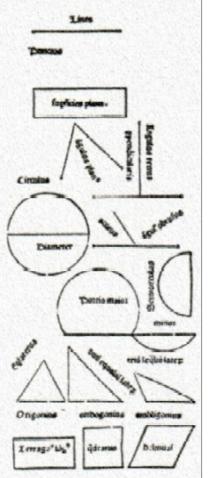
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cometrie incipit quáfoclicillime: Glactua eft cuina pa nó eft. Clínea eft lógitudo fine latitudine cui? quidé er/ tremitates ft ouo púcta. Clínea recta é ab vno púcto ad altú breutlima erté/ lio i ertremitates fuas vtrúqs con reci piena. Clougheres é q lógitudiné e latitudiné tri bycui?termi quidé fúr linee. Clougheres plana é ab vna lunea ad a/ liá ertélio i ertremitates fuas recipiés Cl2ingulus planus é ouarú linearu al/ ternus stactus:quan erpàlio é lup fup/

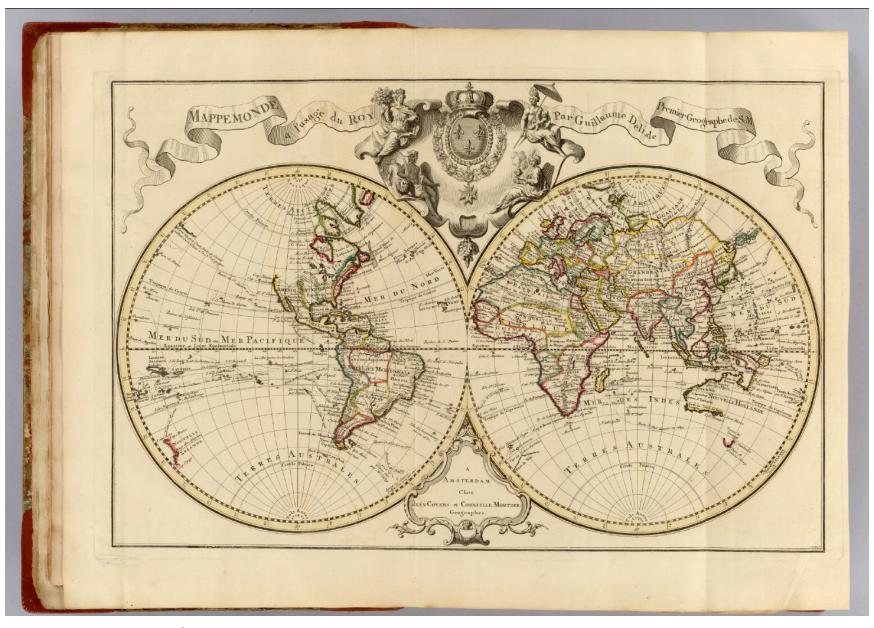
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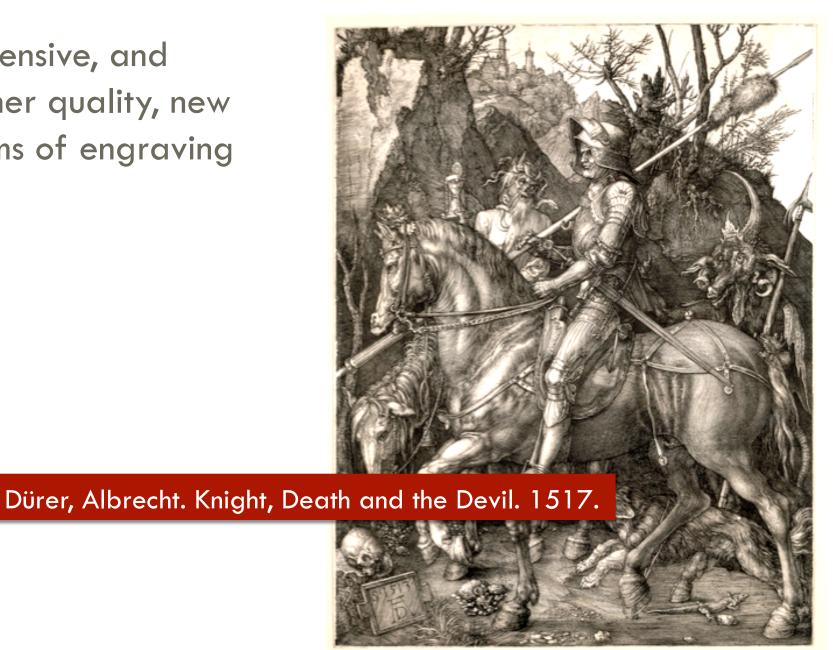
Src: http://www.artlex.com/ ArtLex/ij/incunabulum.html

Mathematics and education

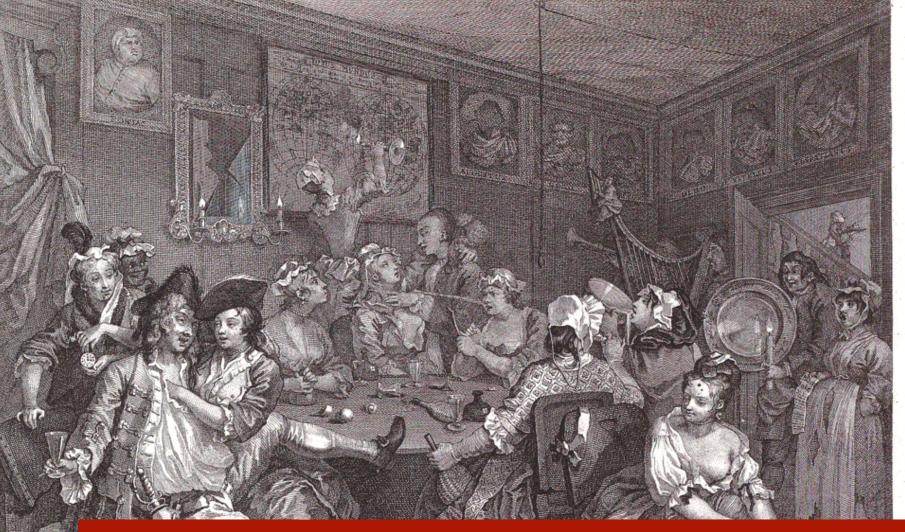


Mappemonde a l'usage du Roy. Par Guillaume Delisle, Premier Geographe de S.M. Amsterdam, Chez Jean Covens et Corneille Mortier, Geographes. J. Condet (1742?) Src: http://www.davidrumsey.com

Expensive, and higher quality, new forms of engraving



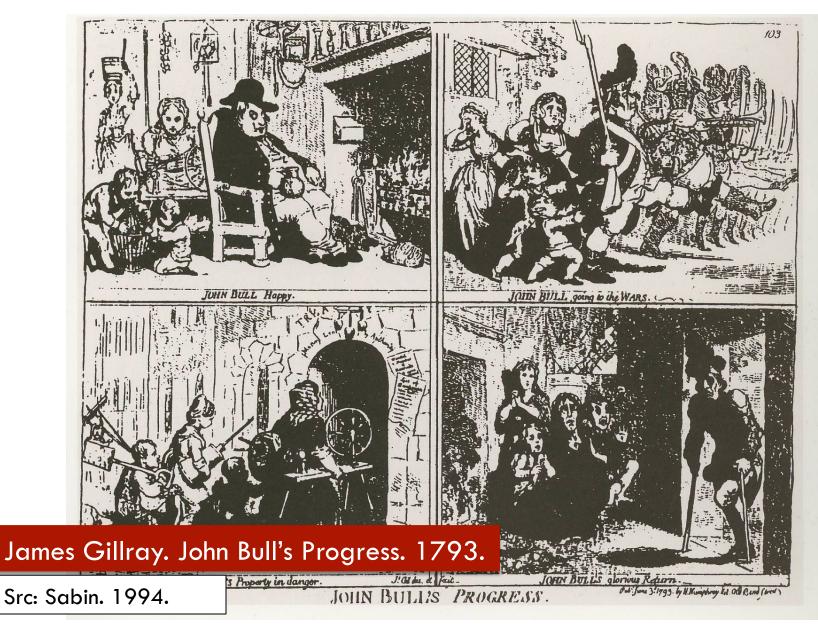
Src: http://www.britishmuseum.org/join_in/using_digital_images/ using_digital_images.aspx?image=ps099783.jpg

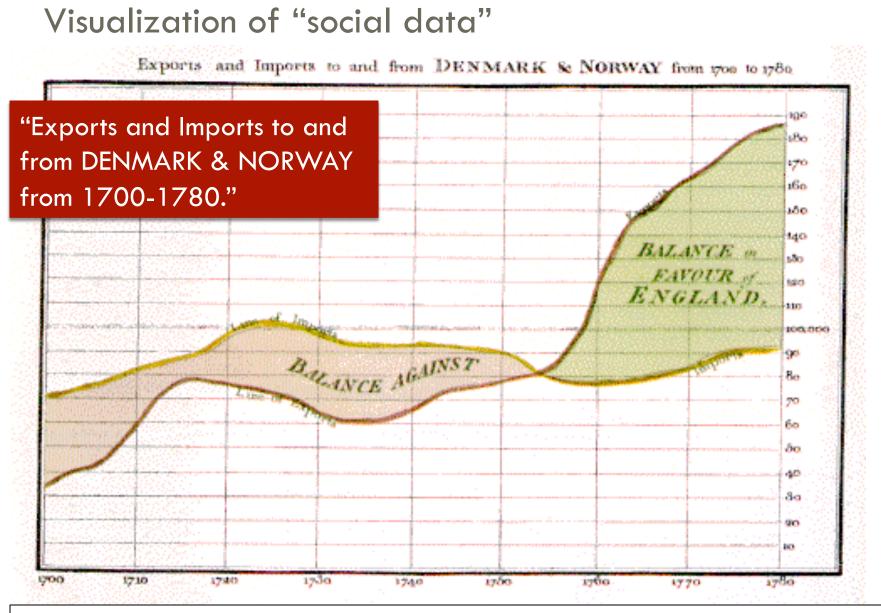


- "Invented, Painted, Engrav'd, & Published by W.m Hogarth..." 1725.
- A long series of narrative images
- Moral story
- Meant to be viewed in sequences. First on walls, then in expensive books.

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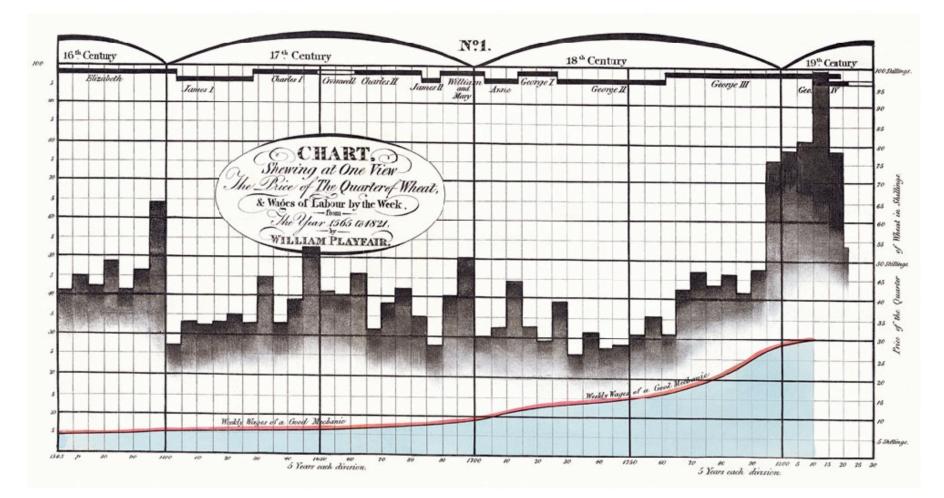
18th Century (visual) anti-war narrative





From William Playfair's Commercial and Political Atlas and his Statistical Breviary. 1796. Img src: http://en.wikipedia.org/wiki/William_Playfair

Visualization of social data



William Playfair. 1821. "CHART . Shewing at One View The Rise of the Quarter of Wheat & Wages of Labour by the Week. The Years 1565-1821"

A few things overlooked thus far...

- Developments in cartography
- Illustrated histories
- Rising popularity of book illustrations
 - And development of aquatint around 1789
- Check out: Holston, Kenneth R, (curator). 1996. The Illustrated Book, 1780-1830: selected from the collection of Harris N. Hollin. Department of Special Collections of the University of Pennsylvania Library.
 http://www.library.upenn.edu/exhibits/rbm/hollin/ index.html

Pre- and post- Gutenberg... what changes?

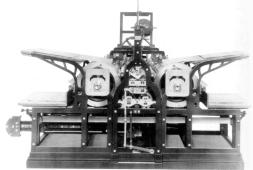
- Woodblock printing? Precedes Gutenberg and is a mainstay of image reproduction technology until the 19th C.
 - But increased separation of text and images (is this progress?)
- Genres seem remarkably stable (broadsheets an exception?)
- Broadsheets... are they newspapers?

And then a few things happen

(Or: The rise of mass image circulation in the $19^{\rm th}$ Century)

A few technical improvements in printing (recap from last time)

- 1796 Lithographic printing*
- □ ~1810 steam press
- 1833 rotary press



- 1839 electricity is used to run a printing press
- 1891: Large press prints and folds 90,000 4-page papers an hour.
- 1903 offset press*
- 1907 screen printing
- US daily readership: 3.5 million in 1880-> 33 million 1920

In-class group project

- I'll be dividing you up into 8 groups of 6 people per group
- You are going to create a visual representation aid by text—of how technical, social, institutional, and culture changes relate to one another as described by Drucker and McVarish

Ways of breaking this down

Technical developments:

- Lithography and then chromolithography
- The Daguerrotype
- The steam press
- Linotype and monotype machines
- Photolithography
- Halftone printing

- Forms and genres of media- Newspapers
- Illustrated papers
- Magazines
- Illustrated books
- Scientific publications
- Posters
- The comic strip

Ways of breaking this down

Institutions and social categories:

- "The Press" / The Newspaper
- Romanticism and Industrialism
- Fine art, graphic art, commercial art, mass art
- The working class vs. the middle class

Practices

- Journalism
- Graphic journalism
- Advertising
- Commercial/graphic art
- Publishing
- Scientific inquiry