#### Fun with "information"

Geoff Nunberg Infosys 103 History of Information 8/29/07



#### Information in its Context

#### Today:

Putting technology in its place: technological social, legal, and political settings. (GN)

The historical creation of "information" as a social category (GN & PD)



## What has not changed and what has

Information = a conceptual template for classifying the various technologies, practices, and political, social, & legal insitutions that contribute to the creation, collection, storage, transmission, diffusion, and reproduction of knowledge in a particular society... hence an eternal & universal notion.



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But "information" as a self-conscious concept has played a role in Western thinking only since the 18th century or so.

Cf "the market," literacy, etc.



#### the dangers of "presentism"

Imposing modern notions (e.g., of information) on earlier periods -- depicting the past through the lens of the present.



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Was Sampson the first suicide terrorist?



#### Presentizing "information"

Seeing information through the lens of modern "IT"

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Seeing information through the lens of modern "IT"

Cf the tendency to "psychologize" IT -- talk of "multitasking," etc.

Other eg's?



# Information and "Information Technologies"

#### History 3493 (U. of Oklahoma) The Cultural

**History of Information.** Prerequisite: junior standing or permission of instructor.

An introduction to the history of information technologies and communications media from the printing press to the internet. Topics will include the print revolution, the advent of electronic communications, the growth of broadcast media, the development of the digital computer, and the internet boom.



#### An aside: prototype semantics

Defining furniture:





The modern category of information is associated with certain prototypical "information technologies":





## More marginal instances of "information technologies"













#### Non-IT

#### What isn't IT?









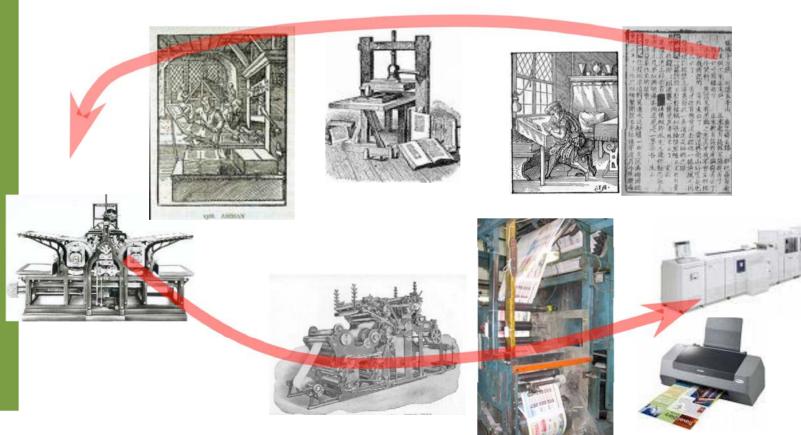




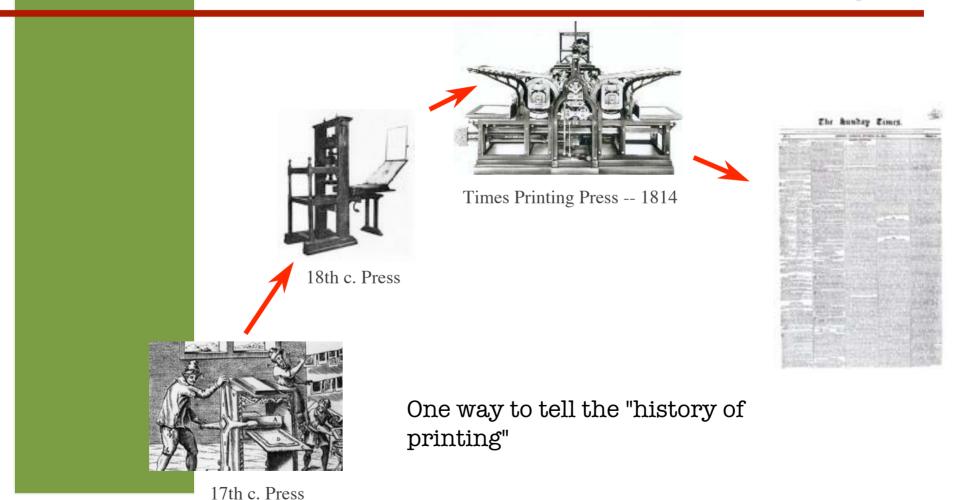


#### A "Natural" Assumption:

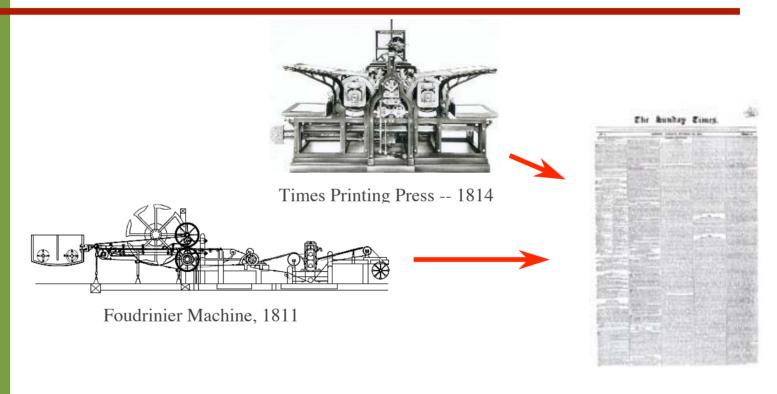
History of Information = Tracing ancestry of prototypical instances of IT



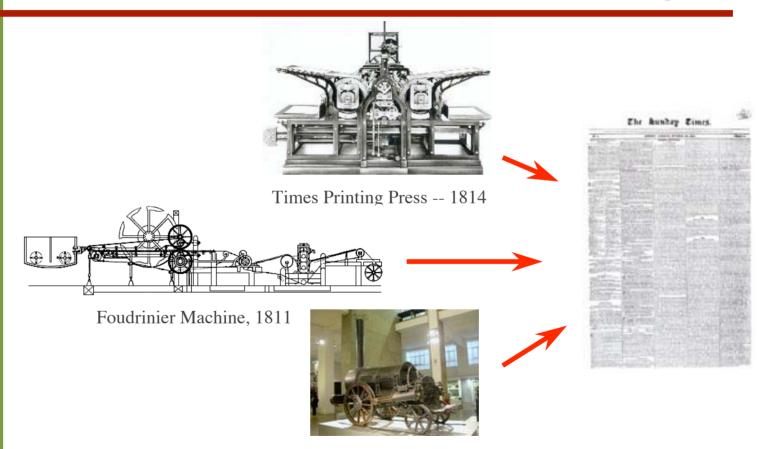






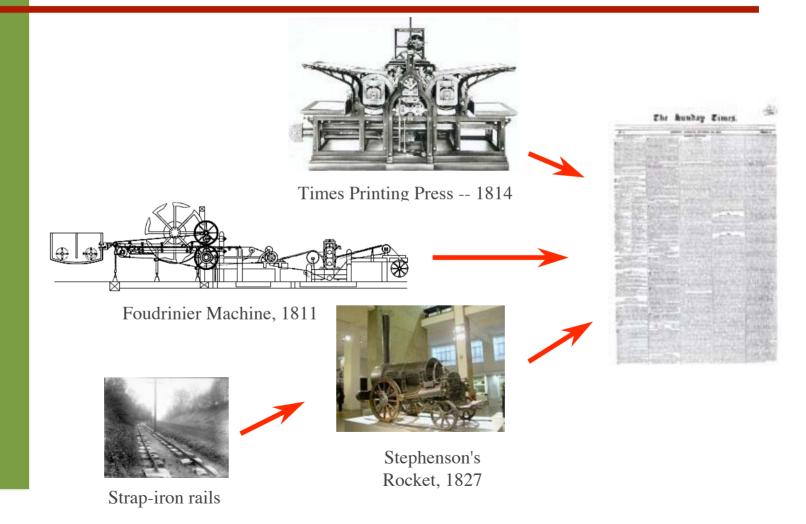




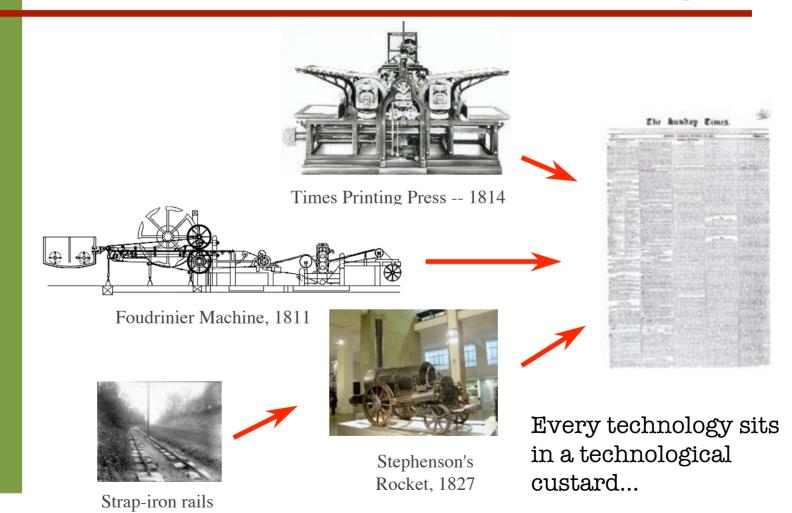


Stephenson's Rocket, 1827















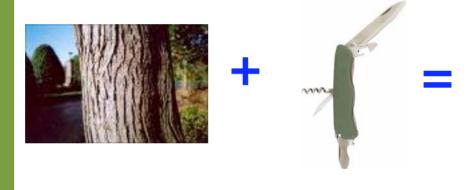




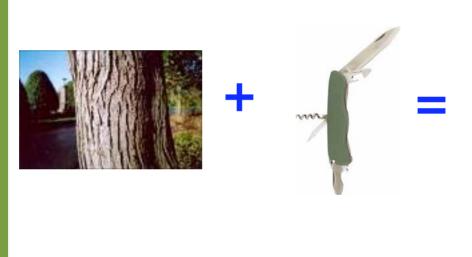


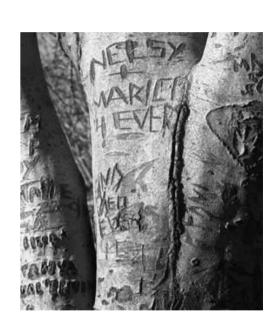








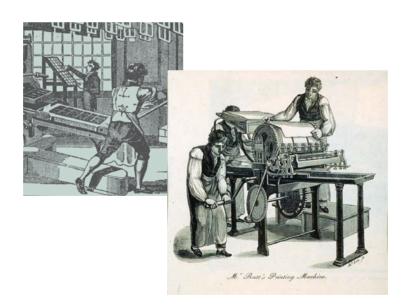






The 19th c. newspaper required....

Specialization of Skills



Specialization of Commercial Roles





The 19th c. newspaper required....

#### Growth of Literacy













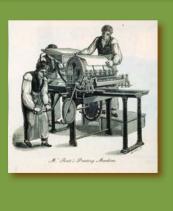


Other factors: Availability of capital Emergence of professional journalism Shifts in political partisanship, relaxation of censorship Rise of science & "objectivity,"





Moral: Technologies interact with social, legal, economic factors in complex and underdetermined ways...





### The historical rise of 'information'

How did "information" become a central, self-conscious category in modern thought?



# The emergence of "information" as a self-conscious category

What makes something count as "information" for us?



#### Medium:

"information" usually presumes a fixed medium of storage or transmission..



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#### Measurability

An average copy of the daily New York Times contains more information than a 17th-century Englishman encountered in a lifetime." (PD)



#### Medium:

#### Measurability

#### Setting

"Information" belongs to public or institutional life

"A letter from your old acquaintance, the housekeeper at the Grange," I answered. She would gladly have gathered it up at this information, but Hareton beat her. (Wuthering Heights)



Medium:

Measurability

Setting

"objectivity"/transferability

Compare "medical information" with "medical knowledge"



### The 20th-century scientization of "Information"

It's not something we can see, really. We certainly can't touch, taste, hear, or smell it. Yet it's always there when we look for it, available wherever we bother to direct our attention. We can glean it from the pages of a book or the morning newspaper and from the glowing phosphors of a video screen. Scientists find it stored in our genes and in the lush complexity of the rain forest. The Vatican Library has a bunch of it, and so does Madonna's latest CD. And it's always in the air where people come together, whether to work, play, or just gab. What is it that can be so pervasive and yet so mysterious? Information, of course...

Business Week, "The Information Revolution," 1994



#### The meanings of "information"

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## The (Pre)history of "Information"

