

# libraries & open source

---

**Infosys 290 § 10**  
**November 30, 05**

aob

papers

google print/library

online corpora and intertextuality

oss

os beyond software

limits to os



# along came google

---

## Where's My Access to the Universal Online Library of Humanity?

It's heeerrrrreee! Actually, it's not here yet. But it's coming:

[Google Print Search: brad delong:](#)

"Economic Puppetmasters: Lessons from the Halls of Power by Lawrence B. Lindsey - Page 18As Brad delong, former Clinton aide, now a professor at the University of California at Berkeley, said in a Wall Street ... [ More results from this book ]

Human Dignity and Contemporary Liberalism by Brad Stetson - Page 41On the loss of property rights specifically, see James V. delong, Property Matters (New York: The Free Press, 1997). 63. ... [ More results from this book ]

Money Changes Everything: How Global Prosperity Is Reshaping Our Needs, Values, and Lifestyles by Peter Marber - Page 24As economist Brad delong points out: Today the average American possesses a degree of material comfort that in many ways outstrips the reach of even the ... [ More results from this book ]

Explorations in Classical Sociological Theory: Seeing the Social World by Kenneth Allan - Page 100... .berkeley.edu/Economists/smith.html (Site maintained by Brad delong, Professor of Economics at the University of California, Berkeley; brief biography ... [ More results from this book ]

Death of Distance: How the Communications Revolution Will Change Our Lives by Frances Cairncross - Page 4... in the way mass production raised the efficiency and quality of manufacturing. As Brad delong, an economist at the University of California at Berkeley ...

...

# google print



[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Local](#) [New!](#) [more »](#)

Tristram Shandy

Search

[Advanced Print Search](#)

## Print

Books 1 - 10 with 10600 pages on Tristram Shandy. (0.14 seconds)



### [Life and Opinions of Tristram Shandy, Gentleman](#)

by Laurence Sterne - Fiction - 2004 - 476 pages

Page - The Life and Opinions of Tristram Shandy Table of Contents The Life and Opinions of Tristram Shandy ... 1 Laurence 1 Chapter LXXII 56 Cap. 2. ...

[ [More results from this book](#) ]

Sponsored Links

[The Life and Opinions of Tristram Shandy](#)

By Laurence Sterne. Only \$8.25.  
[Amazon.com](#)



### [Life and Opinions of Tristram Shandy](#)

Page v - INTRODUCTION VII LETTER TO THE RIGHT HONOURABLE MR PITT XV BOOK I 1 BOOK!! 64 BOOK III 128 BOOK IV 201 BOOK V 285 BOOK VI 343 BOOK VII 400 BOOK VIII 453 BOOK ...

[ [More results from this book](#) ]

# google as library

## google print

search vs catalogue  
what is in google print?



The screenshot shows the Google Print interface. At the top, there are navigation links: [Web](#), [Images](#), [Groups](#), [News](#), [Froogle](#), [LocalNew!](#), and [more »](#). The Google logo is on the left, with 'Print BETA' below it. A search bar contains the text 'The Emigrant's Guide' and a 'Search' button. To the right of the search bar is a link for [Advanced Print Search](#). Below the search bar, a green header bar displays 'Print' on the left and 'Books 1 - 1 with 5 pa' on the right. The main content area shows a search result for 'Catalogue of the Public Library of the City of Detroit' by Detroit Public Library - 1877 - 227 pages. The snippet includes 'Page 196 - ... s Guide ... Emigrant ... HEAD Emigrant's Pocket Companion . ...' and a link for [\[ More results from this book \]](#). A small thumbnail image of the book cover is visible on the left side of the result.

# honest brokers

---

## **economics of information**

information *in* the market  
information *about* the market

## **in and about libraries**

Anurag Acharya, google scholar & those  
"dark areas"

## **lux aeterna**

Lexis-Nexis & the French law corpus



# les britanniques

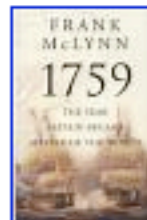
Google™  
Print BETA

[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Local](#) [more »](#)

foulon

Search

## Print



### [1759: The Year Britain Became Master of the World](#)

by Frank McLynn - History - 2005 - 1759 pages

Page 295 - ... just below St Michel, where he had previously considered landing. The spot chosen was known as l'Anse au Foulon, ever afterwards named Wolfe's Cove. ...

[ [More results from this book](#) ]



### [Quebec 1759: The Battle That Won Canada](#)

by Stuart Reid - History - 2003

Page 54 - of the Siege of Quebec' which manages to place the city upstream of the Foulon. ... assistance in my power — the Place is called the Foulon ... where you ...

[ [More results from this book](#) ]

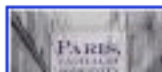


### [Max Notes a Tale of Two Cities](#)

by Jeffrey Kamicky, Charles Dickens - Study Aids - 1994 - 112 pages

Page 59 - [Sorry, this page's content is restricted.]

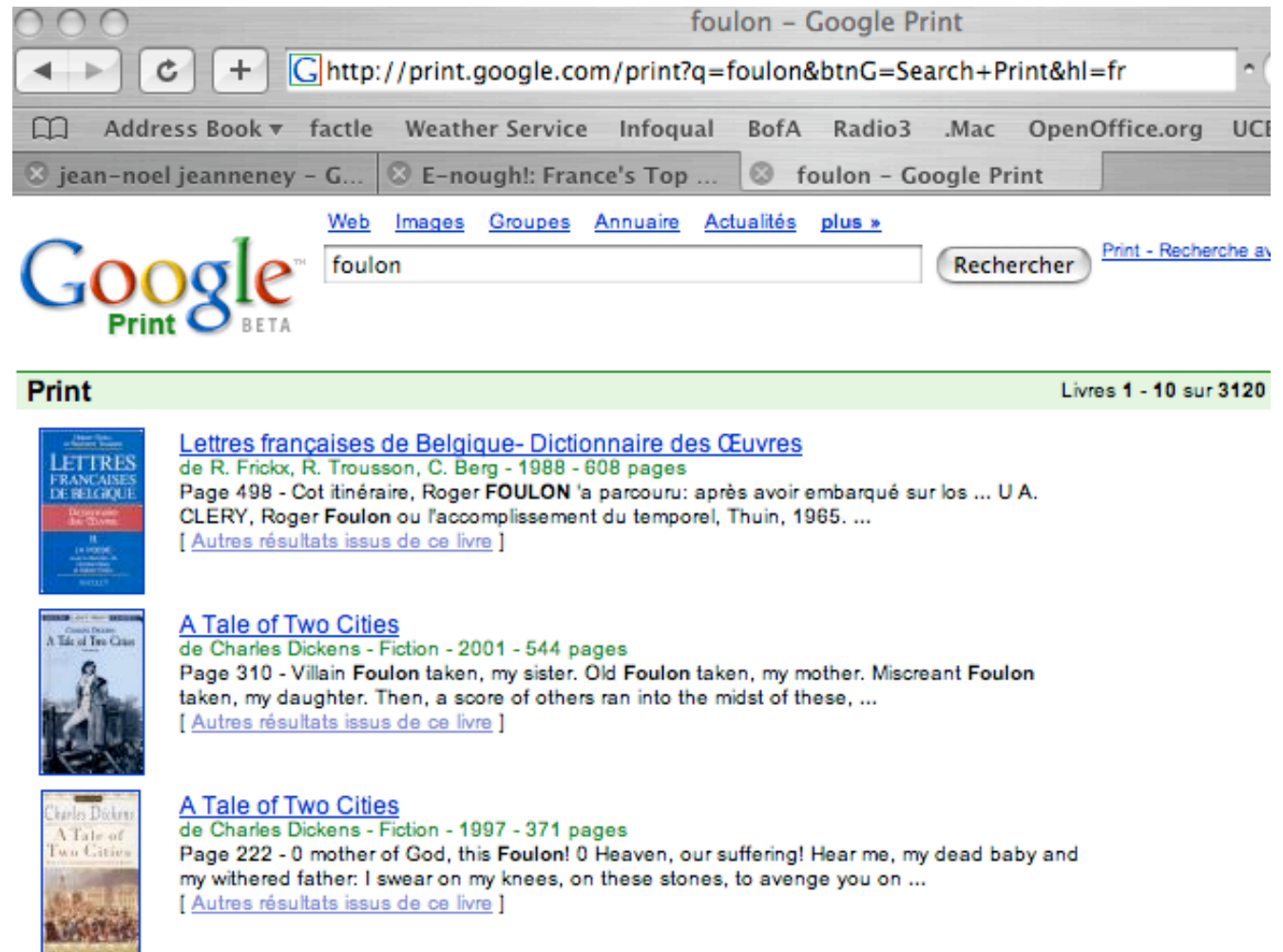
[ [More results from this book](#) ]



### [Paris, Capital of Modernity](#)

by David Harvey - History - 2003 - 384 pages

# les françaises



The screenshot shows a web browser window titled "foulon - Google Print". The address bar contains the URL "http://print.google.com/print?q=foulon&btnG=Search+Print&hl=fr". The search bar shows the query "foulon" and a "Rechercher" button. Below the search bar, there are navigation links: "Web", "Images", "Groupes", "Annuaire", "Actualités", and "plus".

The search results are displayed under the heading "Print" and show "Livres 1 - 10 sur 3120". Three results are visible:


- Lettres françaises de Belgique- Dictionnaire des Œuvres**  
de R. Frickx, R. Trousson, C. Berg - 1988 - 608 pages  
Page 498 - Cot itinéraire, Roger FOULON 'a parcouru: après avoir embarqué sur los ... U A. CLERY, Roger Foulon ou l'accomplissement du temporel, Thuin, 1965. ...  
[ [Autres résultats issus de ce livre](#) ]
- A Tale of Two Cities**  
de Charles Dickens - Fiction - 2001 - 544 pages  
Page 310 - Villain Foulon taken, my sister. Old Foulon taken, my mother. Miscreant Foulon taken, my daughter. Then, a score of others ran into the midst of these, ...  
[ [Autres résultats issus de ce livre](#) ]
- A Tale of Two Cities**  
de Charles Dickens - Fiction - 1997 - 371 pages  
Page 222 - O mother of God, this Foulon! O Heaven, our suffering! Hear me, my dead baby and my withered father: I swear on my knees, on these stones, to avenge you on ...  
[ [Autres résultats issus de ce livre](#) ]





Last Updated: Tuesday, 15 November 2005, 07:44 GMT

 E-mail this to a friend

 Printable version

## Google searches for the future



By Peter Day  
Presenter, BBC Radio 4 and BBC World Service

PETER



Does Google know what it's doing ?

Probably not. And therein may lie its

# what is google doing?

### **order is ours**

"Google's mission is to organize the world's information and make it universally accessible and useful".

### **order is elsewhere**

Page & Brin "dreamed of making the incredible breadth of information that librarians so lovingly organize searchable online".

### **order and disorder**

Archie, WAIS, Yahoo, but *Google?*

# a learning experience?

---

## **the perfect text**

"copy ... the actual manuscript that the compositor followed ... or text to which the Stationer could claim to possess some right ....A copy in the second sense could then be represented as properly comprising all that the work in question should be, as well as all that a particular manuscript copy was".

Joseph Loewenstein

## **marc records**

# happy division?

---

As Prof Durnton says, the possibly readerless physical libraries of the future will continue to exist "but will have a more modest role" of being able to act as scholarly arbiters of which texts are definitive. There will be a **happy division of labour** where the likes of Google and AOL would be financing the digitisation of texts and libraries will be challenged with preserving the integrity of the texts themselves."

—*Financial Times*, November 26



# do no evil

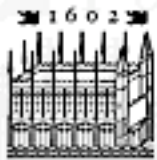
---

"depart from evil, and do good"  
Psalms 34.14

"By working with existing institutions and funding sources, and creating new ones, we can provide universal access to all human knowledge within the current worldwide library budget".  
Brewster Khale

# brands & quality again

"The wild side of the Internet typified by blogs and fast-running rumors could be tempered by the heft of these libraries".



**Bodleian Library**  
UNIVERSITY OF OXFORD

*San Francisco Chronicle*

"Google's newest project .. will help fulfill the original intention of the Internet: to help people find solid background facts quickly".

HARVARD LIBRARIES

*Chicago Sun-Times*

"Most of today's online content was 'born digital, thus cannot be verified. By contrast, library materials become available through Google originate from fully authoritative sources, and cover every conceivable topic since the advent of printing".



**The New York Public Library**

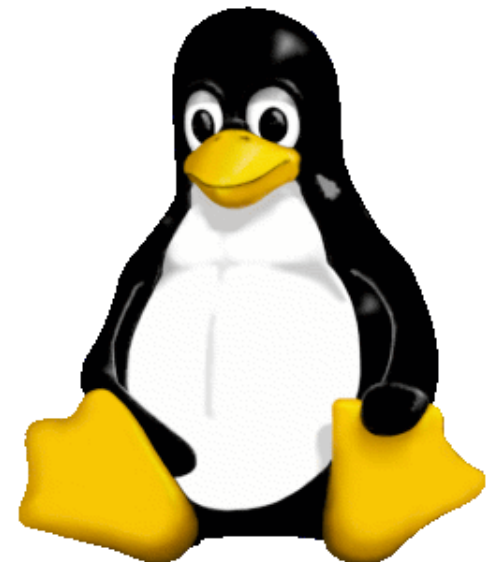
*Michigan Library Press Release*

# oss and beyond

---

"The web is a global library"  
—Benkler

**another brand?**



# oss: a brief history

---

1969: Multics to Unix (Thompson & Ritchie)

1974: Unix at Berkeley

1975: Thompson, Joy at Berkeley

1979: port to Vax; 3 BSD

1981: 4.1 BSD

1982: Stallman, Symbolics (MIT)

1982: Reagan DoJ releases AT&T

1983: 4.2 BSD (with TCP/IP stack)

1983: AT&T commercial licences for UNIX

1989: Network release 1

1991: Networking Release 2; 386BSD

1992: AT&T sues; Minix to Linux

1994: AT&T-UCB settlement; Linux 1.0

# beyond software

---

"Linux has broader implications ...  
Peer production is a phenomenon  
of much wider implication"  
– Benkler, Coase's Penguin

## **'contours of a more ambitious case'**

"The open source process has generalizable  
characteristics, it is a generic  
production process, and it can and will  
spread to other kinds of production".  
–Weber, *Success of Open Source*



# benkler's book

---

- networked information economy ...
  - networked public sphere ...
- critical and self-reflective culture ...
  - nonmarket production ...
    - nonproprietary
      - individual
      - aggregates
- loose affiliation [not]...stable long-term relations
  - the state is a suspect actor
- Benkler, *The Wealth of Networks*

# source of open source

---

**cathedrals & bazaars**

**hacker ethic**

**user innovation**

**anarchism**

"... it seems more of a libertarian or an anarchistic argument ..."

**self-organizing systems**

**self-perfecting systems**

"people just produce what they want; the good stuff spreads and the bad stuff gets ignored"

– Paul Graham

# beyond software

---

Amazon  
'academic enterprise'  
clickwork  
Eureka  
Ginsparg  
Google  
Gutenberg  
Napster  
openlaw  
SETI  
Slashdot  
–Benkler

OED  
–Lessig

# 'more critical and self-reflective culture'?

---

## Wikipedia

"most serious online alternative to  
*Encyclopedia Britannica* ...

"While there have been no systematic studies  
of the quality ... anecdotally *Wikipedia*  
appears to be a reasonable substitute"

—Benkler

"it works ... 800,000 English articles;  
300,000 German; one billion words"

—Kapor

Table 1: Top 10 authors ranked by contribution of code

Author	% of total
free software foundation	11.231
sun microsystems	1.848
regents of the university of california	1.359
gordon matzigkeit	1.216

# invisible hands?

print culture  
universities  
NASA  
Xerox  
physics/Cornell  
Google  
print culture  
AT&T/UCB  
music industry  
OUP  
the law  
UCB

Amazon  
'academic enterprise'  
clickwork  
Eureka  
Ginsparg  
Google  
Gutenberg  
LINUX  
Napster  
OED  
openlaw  
SETI

# constraints & resources

---

**OSS**

chips

"don't break the build"

modularity

granularity

limits?

KDE/GNOME/desktop

# constraints & resources

---

## **OSS**

what can't be done

what can be done

limits within what can be done