Diversity in digital libraries

Recognizing many related types, institutions, forms

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ToC

Diversity?

- Digital libraries come not only from libraries (academic, public, national ...), but from many other institutions & subjects not at all connected with a given library (academic, public, national ...)
- They take great many shapes, forms
- They have a variety of contexts & contents
  - many are specific subject oriented

Most importantly: Used by a variety of users & for a variety of uses

But are they digital libraries?

- Question could be asked: but are they ALL digital libraries?
  - Or are many of them just portals because they cover and organize digital resources?
    - when is a portal (links, ecatalog) also a digital library?
- A broad view: if they are *organized* & *used* for *accessing* information resources why not consider them digital libraries?

Users do not care what they are called or how they are classified, but what useful information they offer

And you?

But librarians have to care and have to be familiar with them in their area to serve and direct users

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National libraries - US

Library of Congress:

American Memory Project
historical materials –no. of sites
Of course, there is a LoC Blog
or you can Read a book, selecting from
Classic Books for Kids, or Books that
Shaped America

National Library of Medicine

and search biomedical literature

National Agricultural Library

and then browse topics

National Archives

and explore

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National libraries - global

The European Library

 " 48 National Libraries of Europe and leading European Research Libraries"

Deutsche National Bibliothek

Bibliothèque Nationale de France

 includes Gallica – digital library

The British Library

 includes Turning the Pages

Vatican Library

https://www.vatlib.it/home.php -> google it

 includes Vatican Secret Archives

National Library of New Zealand

 New Zealand Digital Library

 incl. Greenstone – free dlib software

National Library of China

National Library of Singapore

Bibliotheca Alexandrina (Egypt) –

 not a national library, but close

Biblioteca National (Mexico)

African Online Digital Library – international undertaking, work in progress

World Digital Library - supported by UNESCO & LoC; international effort; "discover, study, and enjoy cultural treasures from around the world." Launched in 2009

Academic libraries

USA:

[California Digital Library](#) - unifies all libraries in UofC system

[Univ of Michigan](#) – among others: extensive digitized [Music Library Scores Collection](#)

[Harvard Univ Library](#) - system of over 80 libraries; open access to [digital collections](#)

[Univ of Utah](#) - also houses [Ski Archive](#)

[University of Wisconsin Digital Collections](#) – "Thousands of images, texts & sound recordings from Wisconsin & around the world."

UK:

[Cambridge University Library](#) includes [Open Access movement](#)

[Oxford University Libraries](#), more than a 100 libraries also houses [Bodleian Library](#) and [Oxford Digital Library Collections](#)

Note great differences in design & functionality

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Public libraries

USA:

New York Public Library

many research collections; branch libraries; includes eBooks, Digital Images & More

Albuquerque/Bernalillo County Library System

including eResources

Montclair Public Library (NJ)

including link to Jersey Clicks

Los Angeles Public Library

including eMedia and TeenWeb

International:

Toronto Public Library

including Downloads and eBooks

Copenhagen Public Libraries (Denmark)

including E-books and online resources

City of Swan Libraries (Australia)

including eLibrary

eLibrary

Welcome to the City of Swan Libraries eLibrary

This is a virtual library space where City of Swan library members can access a wide range of online electronic resources which are available 24 hours a day, 7 days a week, for FREE!

LAPL TeenWeb	New & Recommended	College & Career	Teen Life	Volunteer	Homework Resources

Note connections with digital resources; also: all have sites for kids and teens

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Borne digital

- ## Libraries that emerged only on the Web

Virtual Library "oldest virtual library on the Web"; Switzerland, US, UK & other countries – many, many links

Open Library. "Over 1,000,000 free ebook titles available."
Initiative of the Internet Archive

Ibiblio U North Carolina

"the largest "collection of collections" on the Internet ... for topics such as music, literature, art, history, science, politics, and cultural studies."

AcademicInfo Digital Library

many links to academic digital collections & resources in various subjects

International Children's Digital Library

among others, read children books in great many languages – an absolute delight

Borne digital (cont.)
Digital Public Library of America - http://dp.la/

DPLA DIGITAL PUBLIC LIBRARY OF AMERICA

A Wealth of Knowledge
explore 13,997,962 items from libraries, archives, and museums

"offers a single point of access to millions of items—photographs, manuscripts, books, sounds, moving images, and more—from libraries, archives, and museums around the United States."

- development start: 2011
- operational start: 2013

- Originated at the Berkman Center for Internet & Society, Harvard University

- In continuous development

- Unique undertaking, design & platform (FAQs)

- Provides open access apps for further development

- Very strong on meta data

- Includes many types:
  - texts, pictures, exhibitions, moving images, sounds…
  - also on a timeline, map of contributors

Museums

National Museum of Science and Technology Leonardo da Vinci

In Milan, Italy – what the name says

The State Hermitage Museum

One of the greatest museums in the world, and one of the best museum site – developed with IBM help –take a virtual tour and be amazed

MuseumStuff.com

"Worldwide guide to museums online. ... dedicated to creating a web based guide to museum related information. This information includes links to museum websites and virtual exhibits, educational and entertaining games and activities, and extensive learning resources concerning topics typically promoted through art, science and history museums. "

Museum of online museums

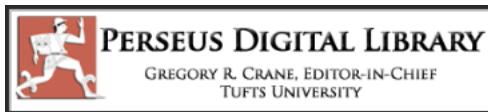list of many museums and permanent collections – some even weird

Subject resources

- Many subject specific sites available
  - new coming up all the time
  - rich & often unique coverage & services
  - different approaches & requirements
  - should they also be considered as digital libraries? Why not?
- High use in their own subjects or for given tasks
- Most are independent of libraries
  - many developed with government funding
  - some clearly commercial
- Many lead to other subject resources

subject resources …
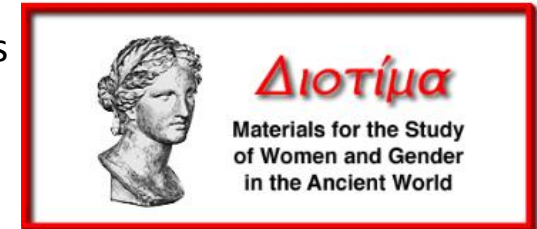
- ## Humanities

Perseus Digital Library Tufts University
started in 1985 on CDs – before the Web; covers antiquity to renaissance; one of the best subject sites on the web; affected the whole field. Begin at Quick Start Guide

KIRKE - Katalog der Internetressourcen für die Klassische Philologie aus Berlin
German; a variety of resources for classics. Since 1995

Diotima Many links to resources around the globe

Stanford Encyclopedia of Philosophy
a comprehensive encyclopedia and library

Abraham Lincoln Historic Digitization Project – "Illinois years (1830-1861), including Lincoln's writings and speeches..."

And a subject like this must be someplace, of course …
at Cornell

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subject resources…

• Government, official

U Mich Government Information Collection -official documents from all over the world; huge & diverse collection

US State Department – "Diplomacy in action" A-Z list of countries & other area pages

USA.gov – "Government Made Easy" the US government official web portal

UN Dag Hammarskjöld Library – extensive records about UN activities including UN Documentation Center

United Nations
Dag Hammarskjöld Library

• News archives

New York Times article archive - from 1851 – present; "The complete archive of The New York Times can now be searched— more than 13 million articles total." Subscription.

Newspaper Archive – Intrnational. Some browsing free. For others requires paid membership – low.

NEWSPAPER ARCHIVE
World's Largest Collection

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subject resources …

• Health

WebMD - news, medical information

Rxlist - Internet Drug Index

Mayo Clinic Patient Care and Health Information

Extensive medical & health information

Kidshealth - sites for parents, kids, teens, educators

• Science

arXiv - Cornell U, National Science Foundation; "Open access to [over a million] e-prints in Physics, Mathematics, Computer Science, Quantitative Biology, Quantitative Finance & Statistics"

NASA Multimedia – videos, images, audio of space activities; many breathtaking pictures

Public Library of Science (PLOS) - open access journals & advocacy; "Open Access (OA) stands for unrestricted access and unrestricted reuse. Here's why that matters… "

Encyclopedia of Life - "Global access to knowledge about life on Earth." An ambitious project –– in progress
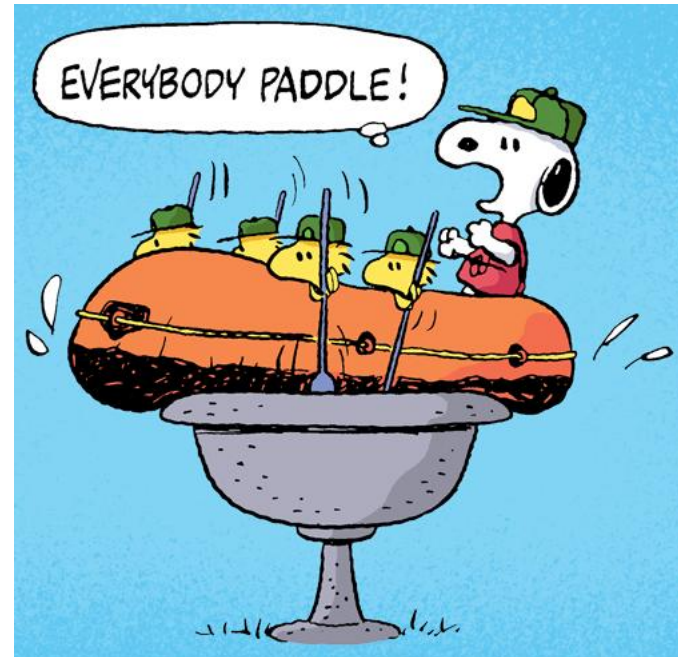
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subject resources …

And, of course there is

Snoopy

The Official Peanuts Website

Societies, organizations

- Many societies, agencies developed their sites
  - great many rich sources for searching & resources
  - differences in requirements, depth, richness
  - major (sometimes only) access point to societal or subject literature

Societal pages, but available through RUL (Indexes and databases) e.g.

PsycINFO - by Am Psychological Assoc; psychological literature from the 1800s to the present

ASIST Digital Library – by Association for Information Science & Technology

ACM Digital Library—by Association for Computing Machinery

MLA International Bibliography – by Modern Language Association; world wide coverage; in print but includes electronic sources
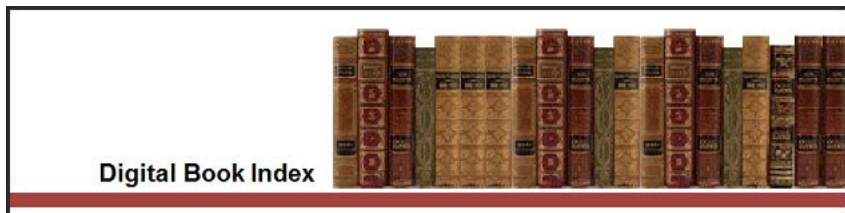
Books on the Web

Million Book Project – also known as Universal Library Project; digitizing books and providing free access

Digital Books Index – "... provides links to more than **165,000** full-text digital books from more than 1800 **commercial** and **non-commercial** publishers, universities, and various private sites. More than **140,000** of these books, texts, and documents are available free...." [emphasis at the site]

includes list of eBooks: Libraries, Librarianship, Electronic Librarianship

Google Books - started with several universities, but mushroomed globally; Includes "If you find a book you like, click on the "Buy this book" and "Borrow this book" links to see where you can buy or borrow the print book."

Project Gutenberg - "offers over 49,000 free ebooks to download or read them online."

Most interesting information in Top downloads :

Top 100 EBooks yesterday — Top 100 Authors yesterday — Top 100 EBooks last 7 days — · Top 100 Authors last 7 days — Top 100 EBooks last 30 days — Top 100 Authors last 30 days

Archiving the Web

- Web sites are highly unstable – they disappear, change
  - one of the worst feature of the Web
  - "digital dark ages"
- Several projects try to archive the Web
  - mammoth undertaking
- Unfortunately, Internet Archive (http://www.archive.org/) at times does not respond
  - needs fishing because it is there

Internet Archive – "is building a digital library of Internet sites and other cultural artifacts in digital form. Like a paper library, we provide free access to researchers, historians, scholars, and the general public." Includes: Wayback Machine - to search for old versions of Web pages

Archive-It – "A web archiving service to harvest and preserve digital collections. ... a service of the Internet Archive." Used, among others, by libraries, museums ... Free access to archived collections

CyberCemetery - "is **an archive of government websites** that have ceased operation (usually websites of defunct government agencies and commissions that have issued a final report). " (emphasis in original)

Conclusion

- Wide and constantly increasing diversity of digital libraries & related collection & portals suggests several issues
  - traditional libraries are not traditional any more
    - but come in many digital library forms
  - many new "players" have entered the arena
    - particularly in subject areas

conclusions …

- Web companies & libraries are joining hands
    - in book digitization e.g. Google project
    - in providing cataloging & holdings information
- Some libraries are providing model digital libraries
    - e.g. LoC American Memory – example copied widely
- But at the end most important is their usefulness – as mentioned:

> Users do not care what they are called or how they are classified, but what useful information they offer

Webliography: URLs in lecture Diversity

Name	URL
Aarhus Public Libraries (Denmark)	http://gl.aakb.dk/sw2689.asp
Abraham Lincoln Historic Digitization Project	http://lincoln.lib.niu.edu/
Academic Info Digital Library	http://www.academicinfo.net/digital.html
ACM Digital Library	http://dl.acm.org/dl.cfm
African Online Digital Library	http://www.aodl.org/
Albuquerque/Bernalillo County Library System	http://www.cabq.gov/library/
Archive-It	http://www.archive-it.org/
arXiv	http://xxx.lanl.gov/
ASIST Digital Library	http://www.asis.org/digitallibrary.html
Bibliotheca Alexandrina (Egypt)	http://www.bibalex.org/Home/Default_EN.aspx
Biblioteca Apostolica Vaticana	http://www.vaticanlibrary.va/home.php
Biblioteca National de México	http://bnm.unam.mx/
Bibliothèque Nationale de France	http://www.bnf.fr/
Biodiversity Heritage Library	http://www.biodiversitylibrary.org/Default.aspx
California Digital Library	http://www.cdlib.org/
Cambridge University Library	http://www.lib.cam.ac.uk/
City of Swan Libraries (Australia)	http://www.swan.wa.gov.au/Residents/Libraries
CyberCemetery	http://govinfo.library.unt.edu/default.htm
Deutsche National Bibliothek	http://www.dnb.de/DE/Home/home_node.html
Digital Public Library of America	http://dp.la/

Webliography (cont.)

Name	URL
Diotima	http://www.stoa.org/diotima/
Google Books	http://books.google.com/googlebooks/about.html
Harvard Library	http://lib.harvard.edu/
International Children's Digital Library	http://en.childrenslibrary.org/
Internet Archive	http://archive.org/index.php
Kids Health	http://kidshealth.org/
KIRKE	http://www.kirke.hu-berlin.de/
Library of Congress	http://www.loc.gov/index.html
Los Angeles Public Library	http://www.lapl.org/
Mayo Clinic Health Information	http://www.mayoclinic.com/health-information/
MLA International Bibliography	http://www.mla.org/publications/bibliography
Million Book Project	http://archive.org/details/millionbooks
Montclair Public Library	http://www.montclairlibrary.org/
Museum of Online Museums	http://www.coudal.com/moom/
Museum Stuff	http://www.museumstuff.com/
NASA Mulitmedia	http://www.nasa.gov/multimedia/index.html
National Agricultural Library	http://www.nal.usda.gov/
National Archives	http://www.archives.gov/index.html
National Library of China	http://www.nlc.gov.cn/old/old/english.htm
National Library of Medicine	http://www.nlm.nih.gov/

Webliography (cont.)

Name	URL
National Library of New Zealand	http://www.natlib.govt.nz/
National Library of Singapore	http://www.nlb.gov.sg/
National Museum of Science & Technology Leonardo da Vinci	http://www.museoscienza.org/english/
Newspaper Archive	http://newspaperarchive.com/
New York Public Library	http://www.nypl.org/
New York Times Article Archive	http://www.nytimes.com/ref/membercenter/nytarchive.html
New Zealand Digital Library	http://www.nzdl.org/cgi-bin/library.cgi
New Zealand National Library	http://www.natlib.govt.nz/
Open Library	http://openlibrary.org/
Peanuts by Charles M. Schultz	http://www.peanuts.com/
Perseus Digital Library	http://www.perseus.tufts.edu/hopper/
Project Gutenberg	http://www.gutenberg.org/wiki/Main_Page
PsycINFO	http://www.apa.org/pubs/databases/psycinfo/index.aspx
Public Library of Science	http://www.plos.org/
RxList	http://www.rxlist.com/script/main/hp.asp
Stanford Encyclopedia of Philosophy	http://plato.stanford.edu/
Toronto Public Library	http://www.torontopubliclibrary.ca/
The British library	http://www.bl.uk/
The Cornell University Witchcraft Collection	http://ebooks.library.cornell.edu/w/witch//
The European Library	http://www.theeuropeanlibrary.org/tel4/

Webliography (the end)

Name	URL
The State Hermitage Museum	http://www.hermitagemuseum.org/html_En/index.html
The WWW Virtual Library	http://vlib.org/
UN Dag Hammarskjöld Library	http://www.un.org/Depts/dhl/
University of Michigan Government Information Collection	http://www.lib.umich.edu/clark-library/collections/government-information
University of Wisconsin Digital Collections	http://uwdc.library.wisc.edu/
USA.gov	http://www.usa.gov/
US State Department	http://www.state.gov/
Vatican Library	http://www.vaticanlibrary.va/home.php
Virtual Library	http://vlib.org/
WebMD	http://www.webmd.com/
World Digital Library	http://www.wdl.org/en/