Caveats and Considerations

• Just a few trends I see, not all
• Things change rapidly
• Consider how these trends may impact your particular situation
The Trends

- Mass Digitization
- Centralized Discovery (and its impact on our local systems)
- Better Linking
Mass Digitization
Google Library Project

- A number of large research libraries participating
- Only online at Google Books and University of Michigan (theirs only)
- University of Michigan has at least 100,000 items online
- Only full-text searchable as a unified resource at Google Books
<table>
<thead>
<tr>
<th><strong>Title</strong></th>
<th>Un cœur de femme.</th>
</tr>
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<tbody>
<tr>
<td><strong>Electronic Location</strong></td>
<td>[Click here](U-M Online; <a href="http://hdl.handle.net/2027/mdp.39015059729791">http://hdl.handle.net/2027/mdp.39015059729791</a>)</td>
</tr>
<tr>
<td><strong>Holdings</strong></td>
<td>[Click here](Google Online; <a href="http://books.google.com/books?vid=UOM39015059729791">http://books.google.com/books?vid=UOM39015059729791</a>)</td>
</tr>
<tr>
<td><strong>Author</strong></td>
<td>Bourget, Paul Charles Joseph</td>
</tr>
<tr>
<td><strong>Published</strong></td>
<td>Paris, 1890.</td>
</tr>
<tr>
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<td>Electronic Resource</td>
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<td><strong>System Req's.</strong></td>
<td>Mode of access: Internet.</td>
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<tr>
<td><strong>Note</strong></td>
<td>Provisional Circ record</td>
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<tr>
<td><strong>Location</strong></td>
<td>Buhr Shelving Facility - Ask at any library</td>
</tr>
</tbody>
</table>
FOOTBALL

WHAT IT DOES FOR THE PLAYER PHYSICALLY, MENTALLY AND MORALLY

No American game has won so much praise and, at the same time, so much censure, as has football. The game has been lauded for the scientific play it develops and for the training of mind and body it affords the players. It has been adversely criticised for its roughness and the consequent injuries which the players are likely to receive. From the point of view of some spectators the game seems so dangerous to the players that to allow the game to be played in our colleges seems half-civilized.

Such persons are not really well acquainted with football as it is played today for the game is first in the many forms of athletic competition in the development of the player physically, mentally and morally.

Although to the layman football is primarily a physical game, the bodily benefits afforded the player are by no means the only ones he receives. True, it does afford the
FOOTBALL
ITS ORIGIN AND DEVELOPMENT

Football, although indefinitely known as a sport to Greek and Roman antiquity, did not come into existence as a school or college game until the eighteenth century. During the three or four centuries prior to this time football, in a vague way, figured in English inter-town and county contests. It first appeared as a distinct school game in the early part of the eighteenth century, but at this time was in more or less disfavor on account of the strict Puritanism of the period.

It is to the English schoolboy that the game of football
FOOTBALL

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It is to the English schoolboy that the game of football really owes its origin. During the middle of the nineteenth century there was an athletic revival throughout England and football became the favorite pastime of the winter months in such schools as Rugby, Eton, Harrow, Charter house and others. The game came to its present important position through a gradual evolutionary process in which both a standard of play and of rule were developed together. In the growth of the two principal forms of modern play, Association and Rugby, the size of the particular school ground was the determining factor. In 1850 the only school playground in England large enough to permit the running and tackling game was connected with Rugby. At Harrow, kicking and fair catching were allowed. A game was developed at Eton peculiar to this school and called the wall game, while at other schools the play consisted almost entirely of so-called dribbling, in which carrying the ball and tackling were unknown.

The two systems of play, outgrowths of environment,
Open Content Alliance

- Working with a number of libraries and sponsors (including Yahoo! and Microsoft)
- Digitizing more slowly than Google, but steadily
- Content online at http://archive.org/
- Anyone can download all the files
Implications for Libraries

- With help from OCLC, possibility of all small libraries becoming huge
- Increased need to split inventory control from discovery
- Need for ways to slice and segment content based on topic, intended audience, etc.
- What to do: think about how you can integrate this content
Centralized Discovery
Massively Centralized

• Examples:
  – Google Scholar
  – Microsoft Live Academic
  – Open WorldCat

• Driving users from the Internet to the library

• Implications:
  – Connecting users from these tools to our content is important
  – Making our role clear is essential
  – We should refocus our efforts on niche needs
Locally Centralized

- Few library users want to limit their search to only books
- New finding tools are making traditional library catalogs obsolete as finding tools
- NOTE: Libraries still need an ILS, but it will not be the way users find what they want
Classic ILS

Searching happens at library terminal

Tightly integrated components

<table>
<thead>
<tr>
<th>ILS</th>
<th>Catalog</th>
<th>Acquisitions</th>
<th>Circulation</th>
<th>Serials</th>
</tr>
</thead>
</table>

New World Order

Searching happens anywhere

Discovery layer disaggregated

Loosely integrated components
Holdings and circ status

Holdings

Circ status

ILS
Why This Makes Sense

- Users typically want to find everything they can on a topic
- Users prefer to search in one place if possible
- Most ILS’s lack cool new features that already exist in Open WorldCat or other systems
Faceted browsing

Clean, easy to read display

Integrated article indexes

Relevance ranked
Top 100 Identities

Tennant, Roy.

Overview

Works: 22 works in 94 publications in 2 languages and 3,705 library holdings
Classifications: h65109.075.07, 034.07

Publication Timeline

1986 - 2010

Key
- Publications about Roy Tennant
- Publications by Roy Tennant

Most widely held works by Roy Tennant

Crossing the Internet threshold: an instructional handbook Roy Tennant
5 editions published between 1993 and 1995 in English and Spanish and held by 1,438 libraries worldwide

XML in libraries
1 edition published in 2002 in English and held by 487 libraries worldwide

Science and technology on the Internet: an instructional guide Sail Clement
5 editions published between 1995 and 1998 in English and held by 359 libraries worldwide

Introducing the Internet: a trainer's workshop Lee David Jaffe
3 editions published in 1994 in English and held by 337 libraries worldwide

Managing the digital library Roy Tennant
1 edition published in 2004 in English and held by 37 libraries worldwide
Welcome

FictionFinder is a project of OCLC Research that provides access to millions of records for books, eBooks, and audio materials identified as fiction (including novels, short stories, dramas, and comics).

With FictionFinder, you can search these records by author, title, ISBN, and subject. You can also search book summaries and search and browse by genres, characters (real & fictional), settings (real & imaginary) and literary awards. And, when you discover an item you are interested in, FictionFinder can help you find a copy.

Subject Clouds


* Faceted Application of Subject Terminology (FAST)
East of Eden.
Steinbeck, John, 1902-1968

137 editions, in 23 languages, held by 9544 libraries

Summary: This sprawling and often brutal novel, set in the rich farmlands of California's Salinas Valley, follows the intertwined destinies of two families—the Trasks and the Hamiltons—whose generations helplessly reenact the fall of Adam and Eve and the poisonous rivalry of Cain and Abel.

Genres: Domestic fiction | Historical fiction | Psychological fiction | Western stories

Settings: California — Salinas River Valley | California — 1600 - 1899 | California — 1900 - 1999 | Estados Unidos — Vida social y costumbres — Novela | Fathers and sons | United States

Subjects: Fathers and sons | Sibling rivalry | Brothers | Children of prostitutes | Manners and customs | Social history | Fomes fatales | Guerra Mundial II, 1939-1945 | Novela | Joceluay | Marriage | Murder | Poor

Audience: Kds | General | Special

<table>
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<tr>
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<th>OCLC #</th>
<th>Date</th>
<th>Language</th>
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</tbody>
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Needle Library, Haystack College
You ask – we deliver

Library Search | e-Journals | Library Services | Library Collections | Tags | About the Library | Help

Search

shakespeare

Look for my query: anywhere in the record in Needle Library: Books and more

My preferences Advanced Search

Featured Search Topics
> Talk of the day: Discovery landing
> Now on campus: Shakespeare’s Hamlet
> Everything about: African dancing

Help for Searching
> Need help researching a subject?
> Looking for on-line material off-campus?
> Looking for some good music for a party?

Library services
Help from a Librarian – Ask a Question
Contact a librarian personally, by E-mail, by chat or by phone. Schedule an individual meeting with a subject or an instruction librarian.

Borrow Items
How the circulation works: borrowing and returning items, loan periods, renewals and requests.

Hello, Jonathan Smith
To enter my workspace (22 items)
To protect my privacy

Sign in to:
• Add a book to my e-Shelf
• Renew an item
• Request an unavailable item

Library News and Events
New Exhibition!
Meet the designer Karim Rashid and his products...

Activity hours

[Français Español]
News & Events

Register for a Science and Engineering Workshop!
Mark your calendars! It's time for the Science and Engineering Libraries' Fall workshops! These workshops help researchers to improve skills in important SciTech resources. see all News & Events stories...
posted 01-sep-06

Fall Tours & Training @ Van Pelt Library
- Guided tours: Computer Labs, Music Library, rare books and more...
- Hands on training: Electronic journals & databases, document delivery services and more...
  Available on 8 days (dates from Aug. 30 to Sept. 28)
  See the full schedule
posted 01-sep-06

September 5: Revised Entry Page for the Library's Website Goes Live
The revised entry page for the Library's website went live on Tuesday, September 5. The revised page provides a single search box, which enhances known-item searching. Use the search box to locate e-resources, web pages, FAQs, and staff, as well as VCAT and Franklin records. It is also possible to limit a search to Franklin by entering a term in the search box and clicking on a Franklin search option (Franklin search options - title, keyword, phrase, author, journal - are located directly above the search box in the grey background).

We have been making modifications to the new entry page based on comments received since the page previewed on March 11. Please continue to send us your comments. (more about the revised page...)
posted 05-sep-06
The Next Generation ILS

- Refocused on library operations
- Constructed with interoperable components
- Able to work well with other systems:
  - Export holdings information for use in other systems
  - Expose appropriate APIs, such as circ info
- Possibly open source (e.g., Koha, Evergreen)
Next Generation Finding Tools

• Able to integrate access to a wide variety of sources
• Able to use information from other systems as well as provide it (via protocols)
• Offer sophisticated features like relevance ranking, faceted browsing, etc.

• Not a library catalog!
• What to do: reconsider your finding tools
Better Linking
Better Linking Through Chemistry

- Our goal: get the user to what they want as quickly and as painlessly as possible
- OpenURL resolvers are the *beginning*, not the end
- Example: The Ümlaüt by Ross Singer
Finding Articles

Article Title: The control of flight force by a flapping wing: lift and drag production.
Author: Sane, S P
Journal Title: The Journal of experimental biology.
ISSN: 0022-0949
Published: 2001 Volume: 204 Issue: R 15

Full text via:
Highwire Press Company of Biologists

Print via:
GIL (GT Catalog)
QH301 J68
Main Library, 4th Floor East

Closest Web Results:
- Sanjay P. Sane
  ... actually he pretty successful in predicting aerodynamic forces on flapping wings. Sane, S.
  ... motion and a revised quasi steady model of flapping flight. ...
- The Aerodynamics of Insect flight
  The origin of flapping flight is perhaps the key to the spectacular evolutionary ... Further
- Wing Rotation and the Aerodynamic Basis of Insect Flight -- Dickinson et al. 284 (5422):
  1954 -- Science
  The control of flight force by a flapping wing: lift and drag production. S. P. Sane and M.
  ... and Energetics of Rowing and Flapping Propulsion in Fishes ...

Description
Get more like this
Web Search Results
Session History
Need Help?
An architecture for the aggregation and analysis of scholarly usage data

Title: An architecture for the aggregation and analysis of scholarly usage data

Author: Bolen

Conference: SACMAT 2006: proceedings of Eleventh ACM Symposium on Access Control Models and Technologies, June 7-9, 2006, Lake Tahoe, California, USA

ISBN: 1595933540

Page: 298

Full text via:
- arXiv.org
- Citebase

Print via:
- GIL (GT Catalog)
  - QA76.9.A25 A342x 2006
    Main Library, 3rd Floor East
    Available
  - ZA4080_A23x 2006
    Main Library, 6th Floor East
    Available

Closest Web Results: [hide]
OCLC OpenURL Resolver Registry

Goal

OCLC is providing a service for individuals and information partners to maintain OpenURL resolver information in a single location and utilize this information across services in the information industry. OCLC will maintain this registry and provide partners with controlled access to this data to facilitate an improved linking experience for the user. OCLC is committed to delivering OCLC services and library collections at the point of need, meeting the user wherever he or she is searching for information.

Description

The registry includes an OpenURL resolver registry for user input of resolver data and a gateway which can redirect OpenURLs to registered resolvers based on the requester's IP address. The registry contains data from the OCLC FirstSearch administrative module and user contributions.

Users searching for information on a partner's site, for example, a web search engine, will find an item and click a link to the gateway including an OpenURL to be taken directly to an OpenURL resolver maintained by their home library. The home library's collection is then surfaced on the open web and the user finds the information he or she needs.

OCLC is actively pursuing partners. Please contact Scott Shultz at shultzs@oclc.org with comments and suggestions.

Future development will involve utilization of registry data within OCLC services and throughout the open web as well as an expanded partner program allowing more granular access capabilities.
GUF: Getting Users to Full-Text*

- Title links on results screen lead to either:
  - Full-text (best)
  - Print-holdings information with map (2nd best)
  - Pre-filled interlibrary loan request form (worst)

- Issues Addressed:
  - Follow long click-paths
  - Get stuck at dead-ends
  - Resubmit search mid-session

* This and next 2 slides stolen from David Lindahl without his knowledge or permission
How GUF Works

• Try to get to full-text:
  – Improve metadata transfer
  – Eliminate errors
  – Eliminate clicks

• If no full-text, try to get to print:
  – Check local holdings
  – Group editions to find a “good-enough” copy
GUF Uses Other Services

- GUF is a Cold Fusion application that uses:
  - Database of print journal holdings
  - Web Services API to OpenURL resolver
  - OCLC’S xISBN service
  - ISSN lookup
  - DOI resolver
  - Etc.
31. Sensitivity analysis of sediment resuspension parameters in coastal area of southern Lake Michigan
   ![Full-Text](UC-eLinks)

32. Dynamical modeling of underwater visibility
   ![UC-eLinks](UC-eLinks)

33. Geomorphic development of the escarpment of the Eritrean margin, southern Red Sea from combined apatite
    fission-track and (U-Th)/He thermochronometry
   ![Full-Text](UC-eLinks)

34. Variability in the wave climate of the North Pacific: links to interannual and interdecadal variability
Putting the Trends Together

- We no longer control how people get to information, therefore we must…
- Let others do what they do well and refocus our efforts where we can create the most added value
- Use information from other systems (e.g., cover images from Amazon)
- Open up our systems to other systems (e.g., NCSU’s Web Availability Service)
Catalog Availability Web Service
Tito Sierra and Emily Lynema

Description

The Catalog Availability Service returns current item availability information for a given ISBN in the NCSU Libraries catalog. If the ISBN is unknown, or is not currently available for checkout or use, the service uses OCLC's xISBN service to look for a related catalog item that is currently available.

This service is designed to be consumed by global catalogs such as WorldCat.org, as a catalog localization service to help NC State users locate available copies of library resources of interest. The model we propose here could be adopted and deployed at other institutions capable of implementing a similar lightweight web services interface to their library catalog.

Components

- REST Web API to retrieve item availability stored in NCSU Endeca catalog index (learn more)
- XML format for describing catalog item availability status (see example)
- AJAX format for consuming catalog availability web service (see prototype)

Functionality

- Web service requires only ISBN as input to retrieve availability information
- If primary ISBN lookup returns no availability, we retry using related ISBNs
Catalog Availability Web Service
Tito Sierra and Emily Lynema

Prototype

ISBN: 0816039070

The Facts on File dictionary of biology
Test #5: requested ISBN unknown; alternate ISBN has availability

This item is available at
NORTH CAROLINA STATE UNIV
1 copy of a similar item available — D.H. Hill Library

See next test case
Generate raw XML response for this ISBN
View AJAX code used for this prototype

0816039070 Charge ISBN

Last updated on September 14, 2006.
Making Good Technology Decisions

- *Know* your clientele
- *Learn* the new technologies available to you that are appropriate to your mission
- *Imaginatively apply* those technologies to serve the unique needs of your users
- Provide *easy access* to *what* they want, *how* and *when* they want it

- *Market* your services well
- Rinse and *repeat*