IDS Conference

OCLC Web Services for Developers

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Product Manager, Developer Network

August 3, 2010

OCLC™ The world's libraries. Connected.

What is a Web Service?

- Exposes data at the machine-to-machine level
- Lets you mix and match from all sorts of sources and build your own apps (mashups)
- Engages the library software development community
- Wikipedia: mashup is a [web application](#) that combines data from more than one source into a single integrated tool

Image courtesy of Pipe via Flickr.

Why should we be interested?

Expose library collections in new ways

- via mashups and web apps

Strong Social Aspect – Community Building

- Allows Developers to create innovate applications
- User networks: students, researchers and the larger world
  - Contributors
  - Consumers

Part of connecting the community to the library

WorldCat Basic API

- Search WorldCat with OpenSearch and get RSS or Atom responses
- Find books, video, music and more in the WorldCat database
- Get Titles, Authors, ISBNs and OCLC numbers
- Get records in standard bibliographic citation formats (APA, Chicago, Harvard, MLA, and Turabian)
- Get links back to WorldCat.org for more information including geographically-sorted Library information

WorldCat Search API

If you send this …	You can get …
Search terms	Matching records
ISBN, ISSN, OCLC number, or standard number	A bibliographic record or a formatted citation
Postal code, or Lat/Long, or OCLC Symbol, or Country, or State/Province, and library type	Nearby libraries with OPAC links

WorldCat Registry

If you send this …	You can get …
Location	Library details such as • Address • Contact information • OpenURL servers • Library Catalog URL
Institution Identifier	

OpenURL Gateway

If you send this …	You can get …
Link to the OpenURL resolver	Streamlined access to full-text articles

xID Identifier Services

If you send this …	You can get …
ISBN LCCN OCLC Number	Related editions for books/monographs
ISSN	Superseded titles for journals/serials

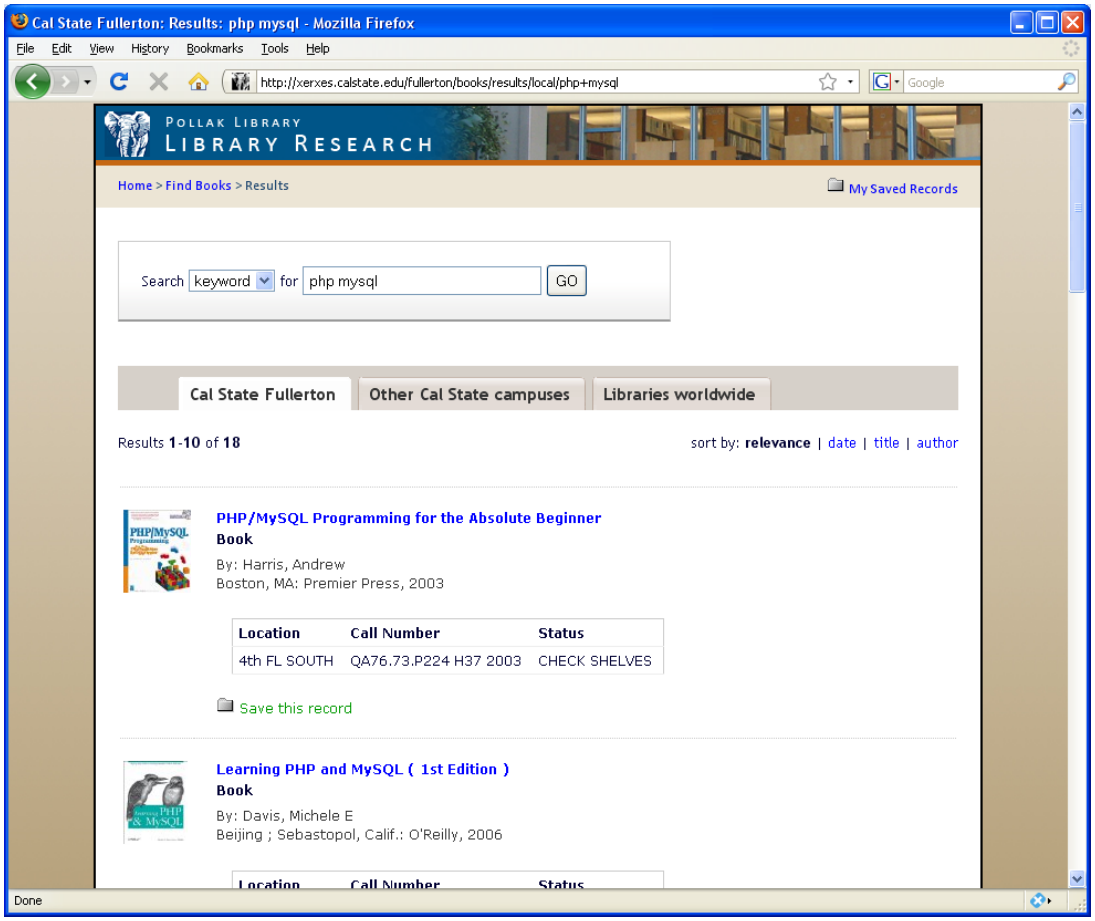
WorldCat Identities

If you send this …	You can get …
LCCN OpenURL	Identity record with name, birth and death dates, works by the identity, works about the identity , etc
Name Search	List of possible matching Identities

Question Point KB Web Service

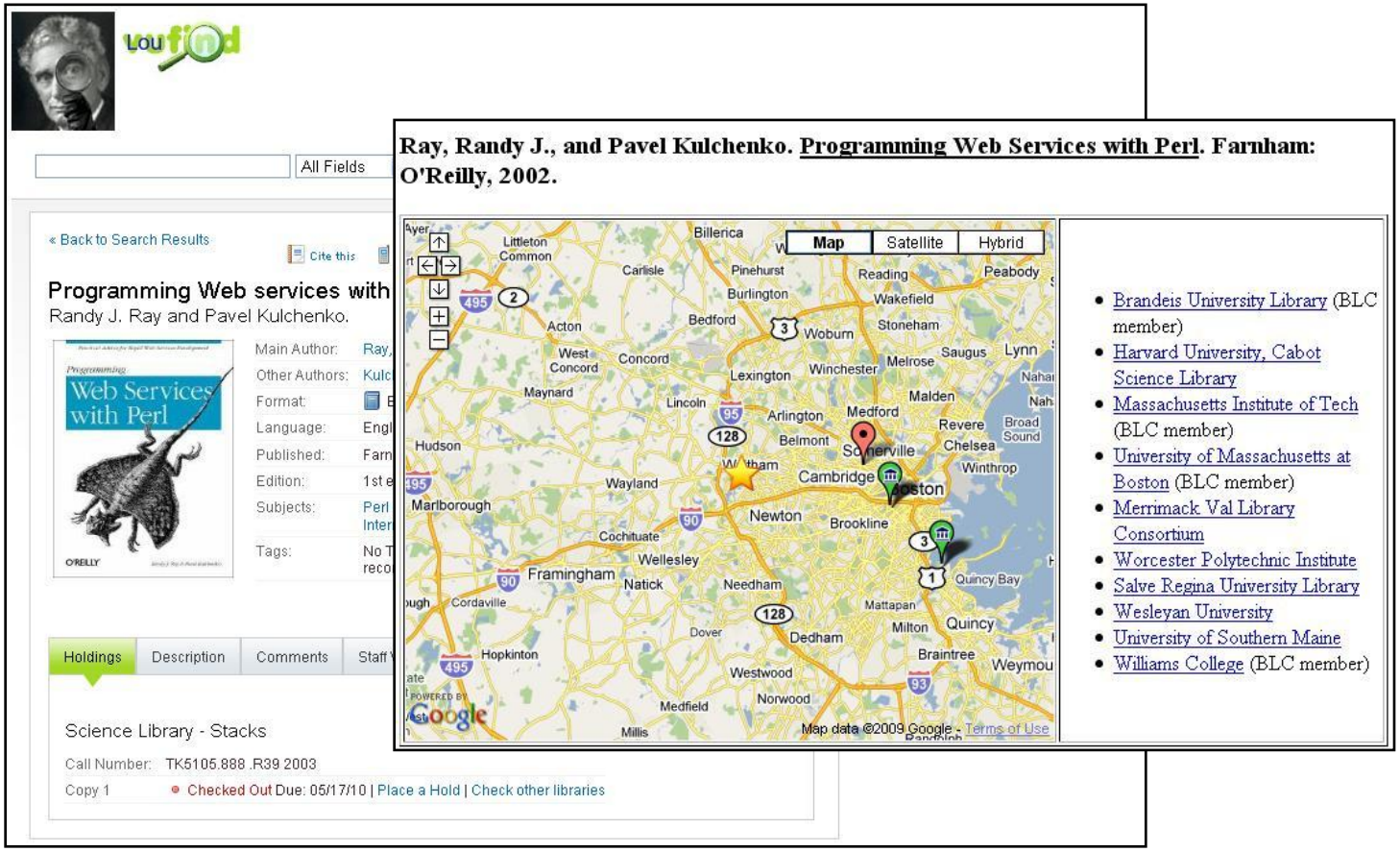
If you send this …	You can get …
Keyword search	Question Question ID
Question ID	Question Answer what library received date received what library answered date answered

CSU Library Search
WorldCat Search API



http://xerxes.calstate.edu/fullerton/books

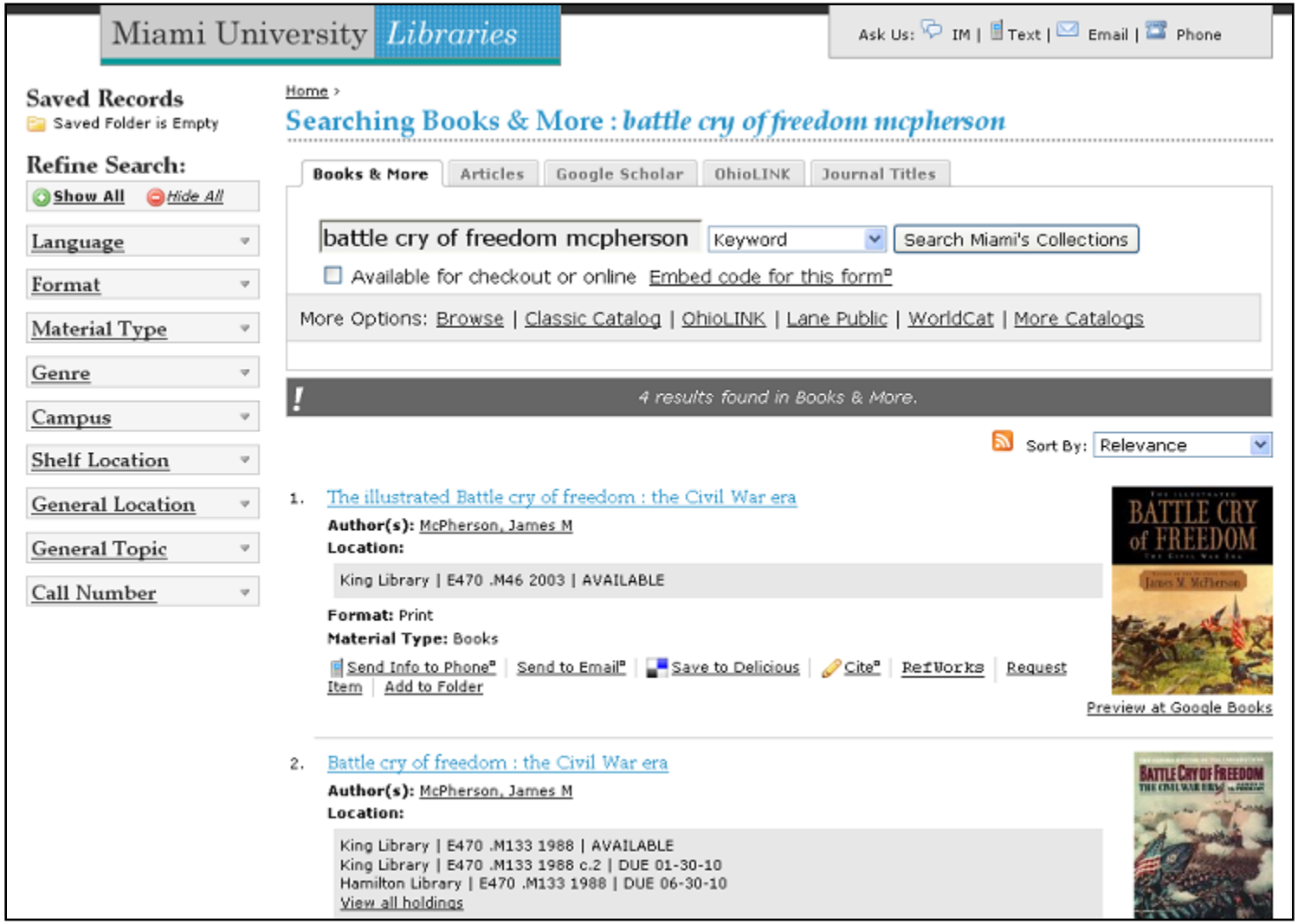
LouFind: Citation Formatting, Nearby Libraries, WorldCat Registry, and Google Maps



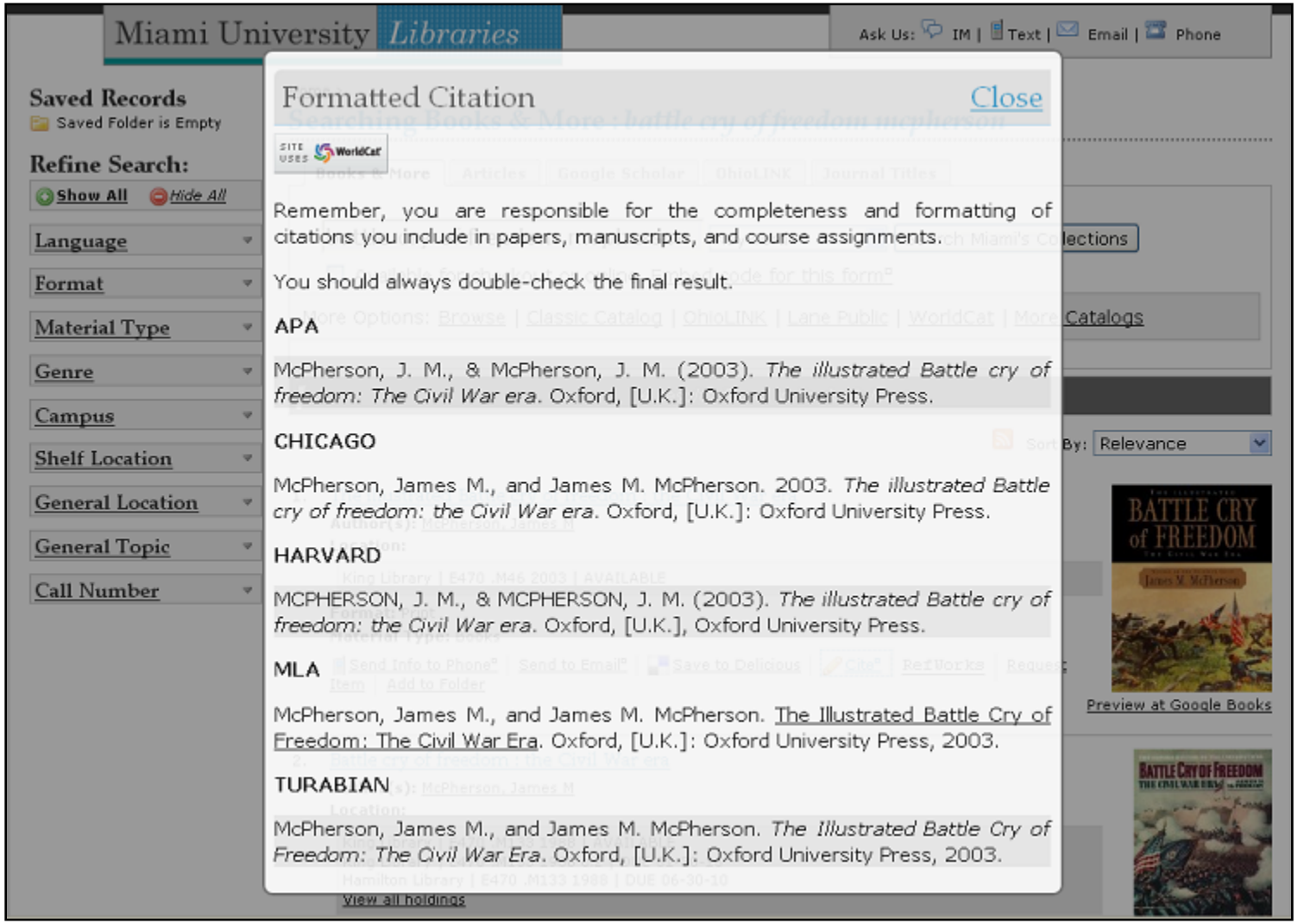
Wageningen UR Library Catalogue
WorldCat Search API, OpenURL Registry

http://library.wur.nl/WebQuery/catalog/lang/1667730

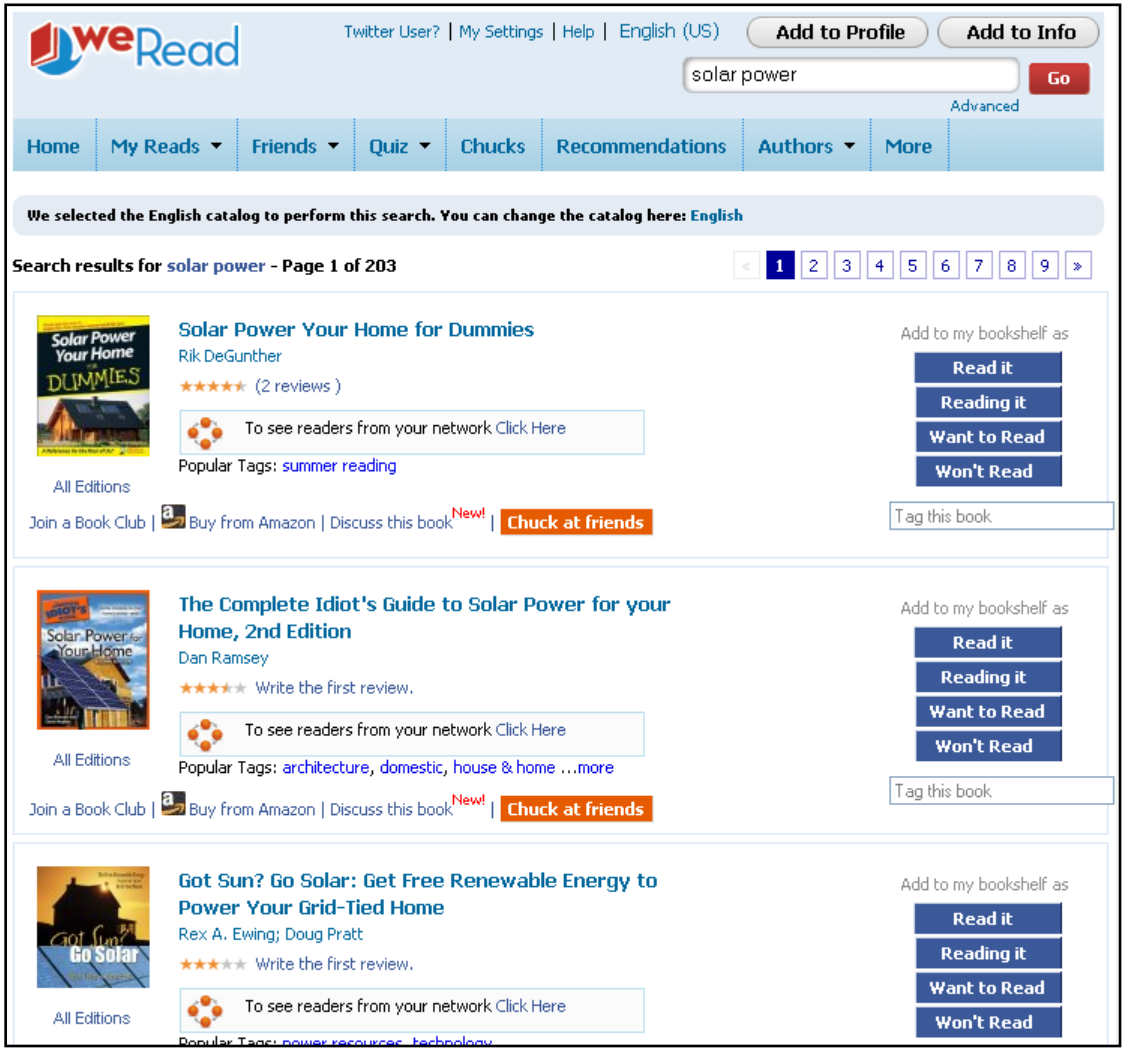
Miami University Libraries
Citation formatting



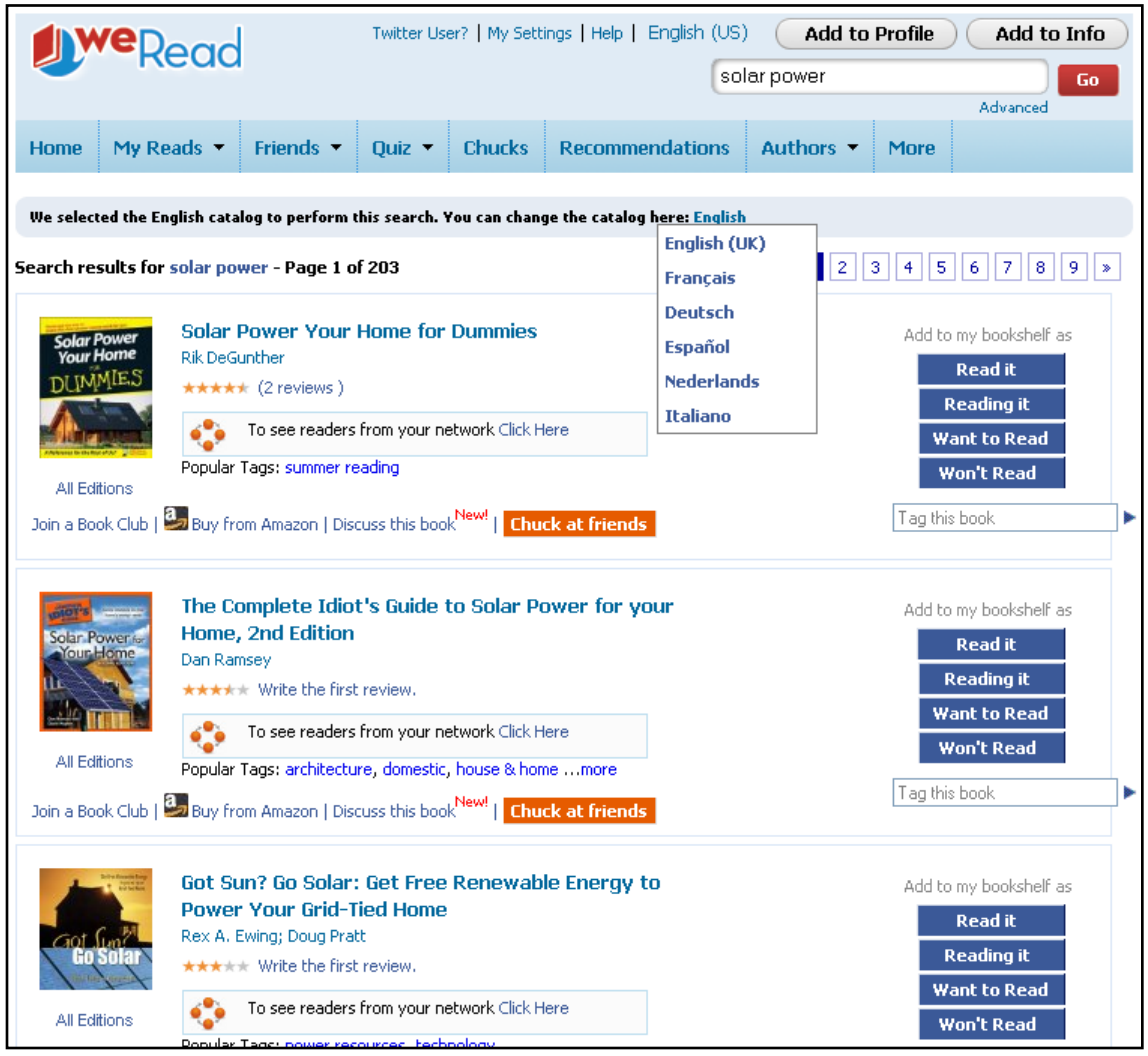
Miami University Libraries
Citation formatting



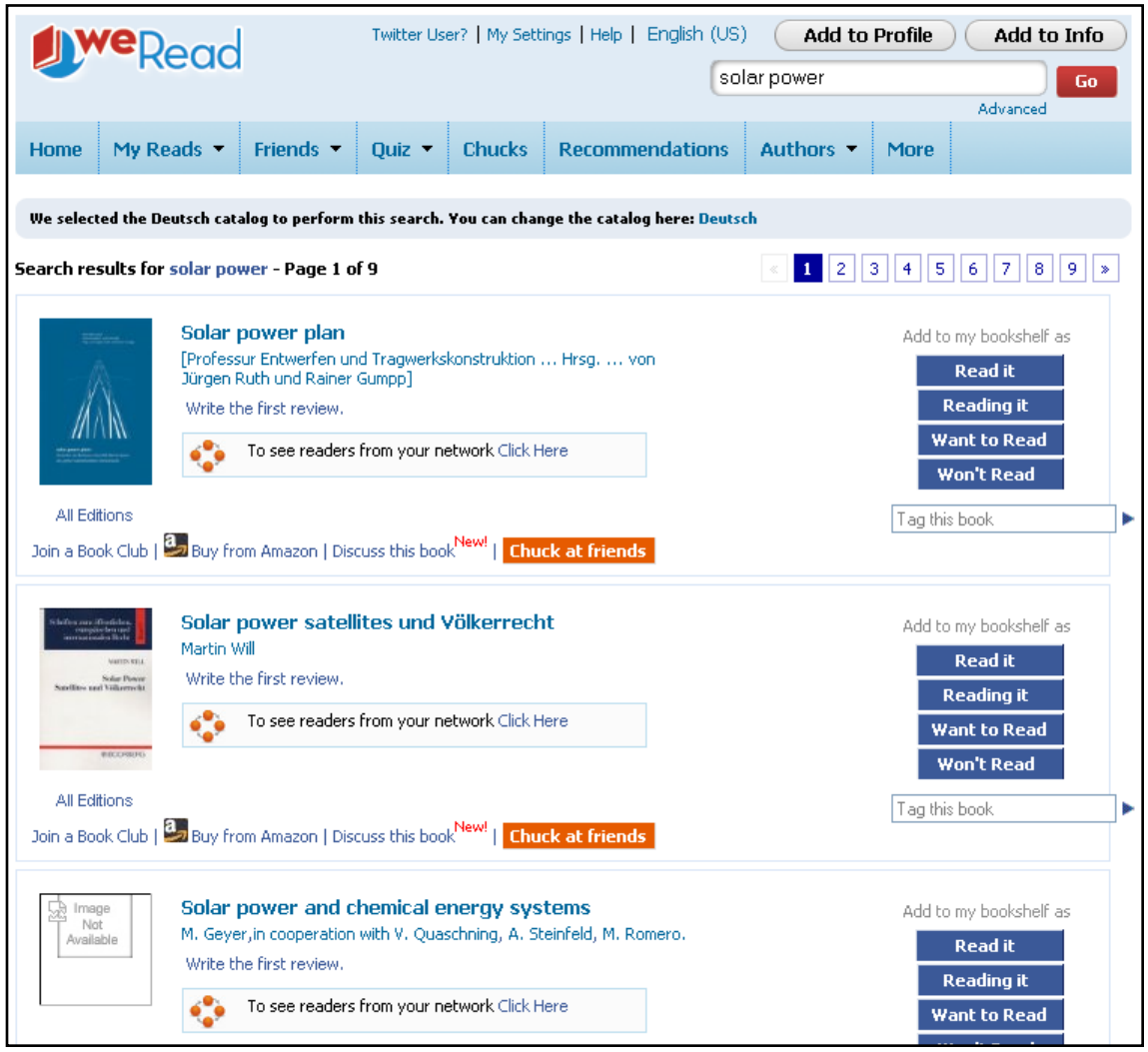
WeRead
Search API with Language Limits



WeRead
Search API with Language Limits

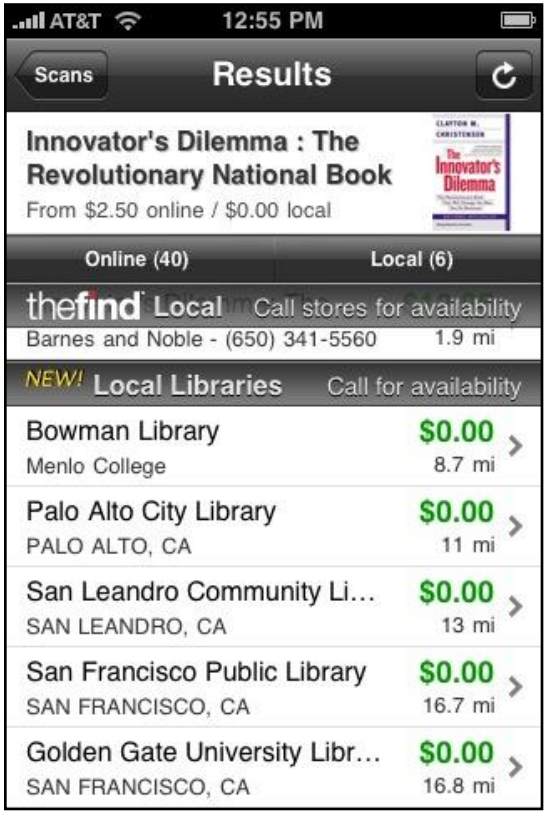


WeRead
Search API with Language Limits

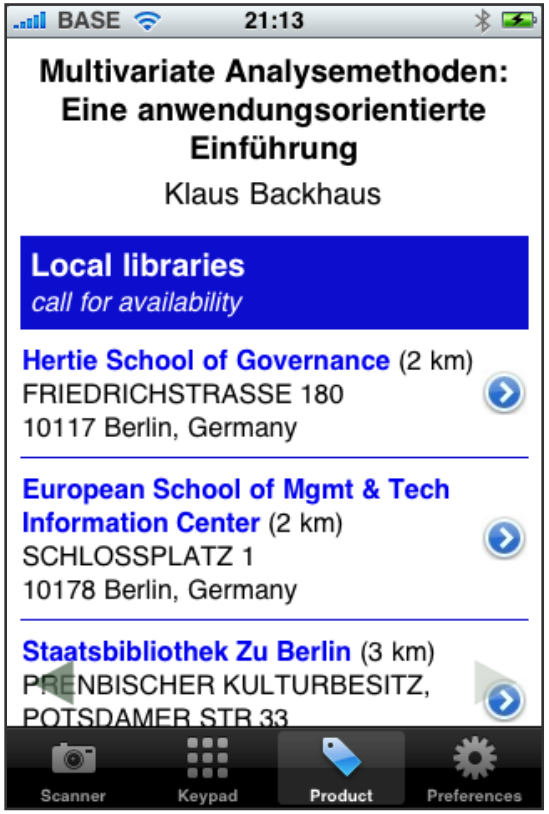


WorldCat in RedLaser and pic2shop

RedLaser



pic2shop



See RedLaser and the WorldCat Search and Registry APIs in action:

http://www.youtube.com/watch?v=fDv1cAYR5wcSee

iBookshelf

AT&T
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iBookshelf
View/Edit Book
Save
Cover
Find
Share
Read
First Key of Kalijor, The
Series: Kalijor (#1)
Read Book Synopsis
GoodReads Reviews (5.00/5.0)
ISBN: 9780615159553
By Title
By Author
By Genre
By Series
More

AT&T
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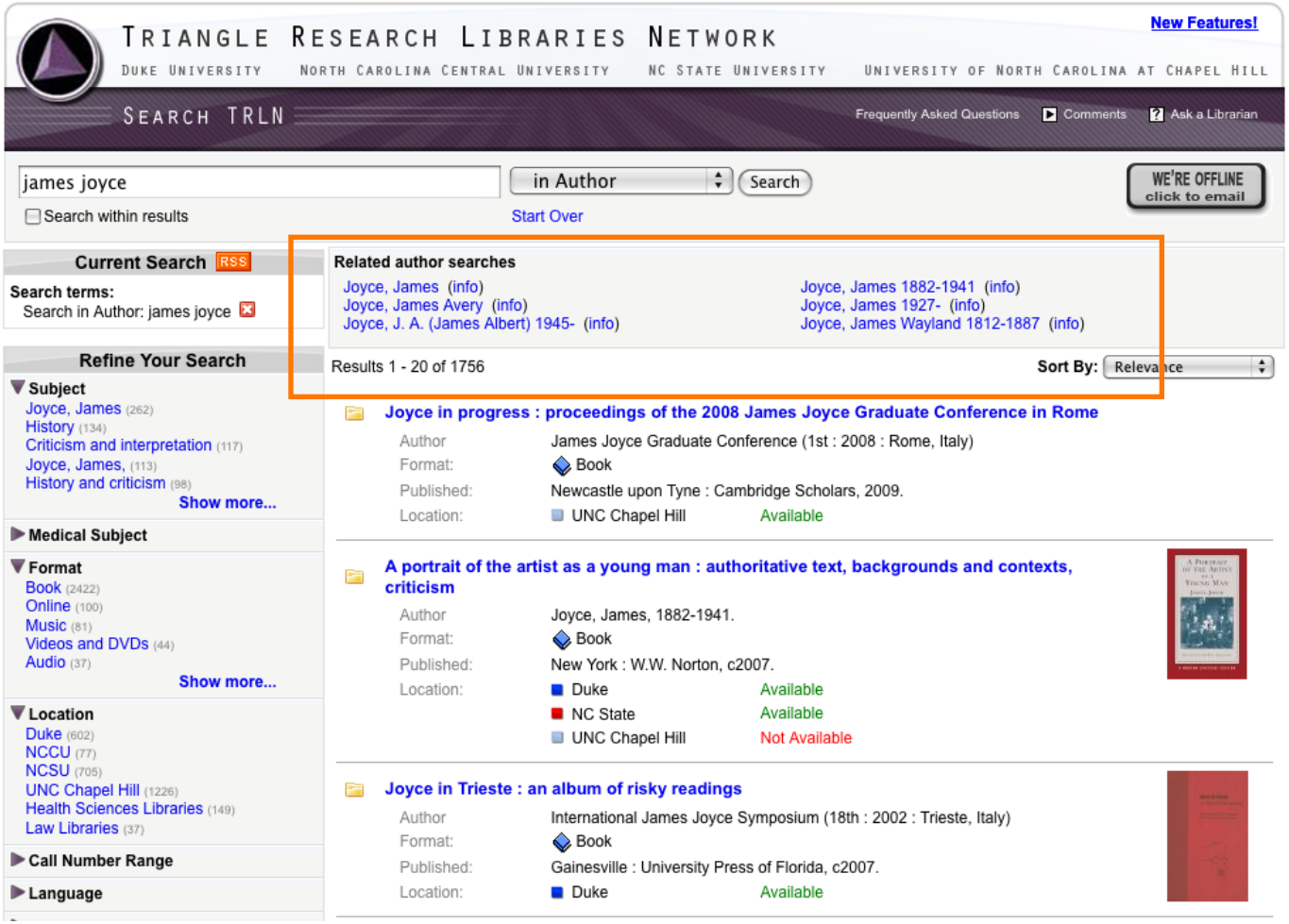
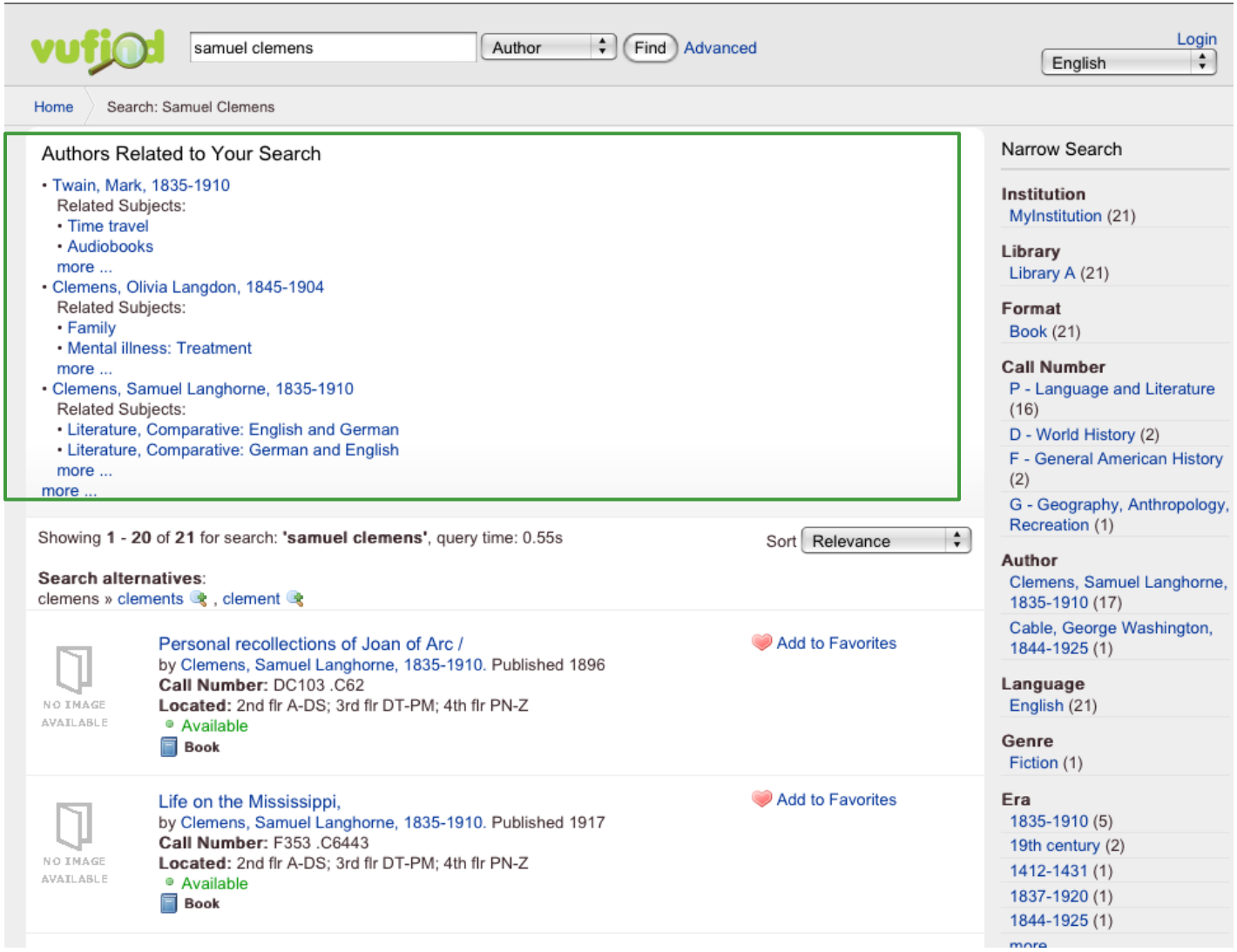
100%
View/Edit Book
WorldCat Library Search Results
Dayton Metro Library (9.96 Miles)
215 East Third Street
Dayton, OH 45402
Sinclair Community College (9.96 Miles)
LIBRARY
444 W 3RD ST
DAYTON, OH 45402
Greene County Public Library (12.36 Miles)
76 E MARKET ST
PO BOX 520
XENIA, OH 45385
Miami University, Middletown
By Title
By Author
By Genre
By Series
More

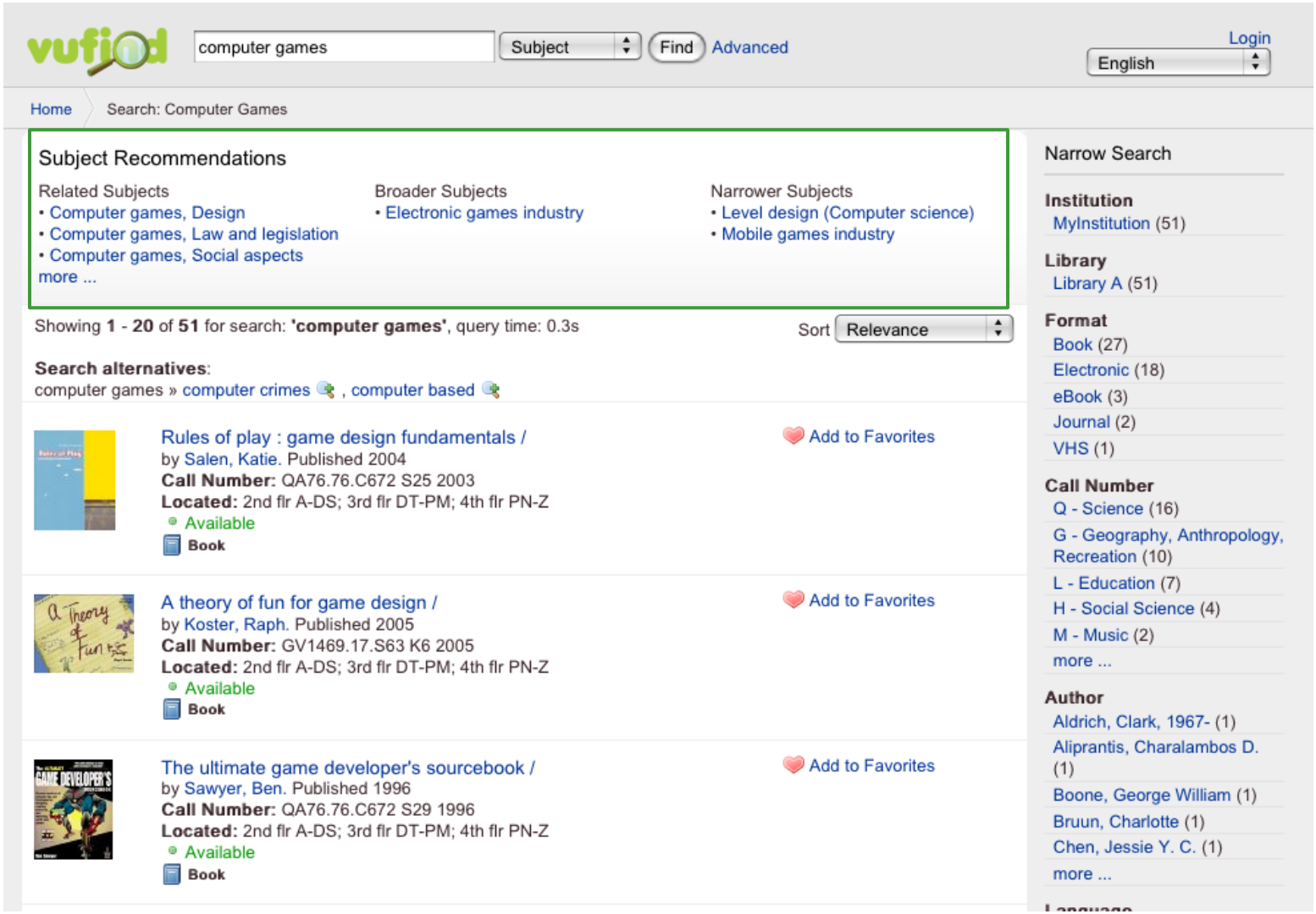
Identities in Search TRLN



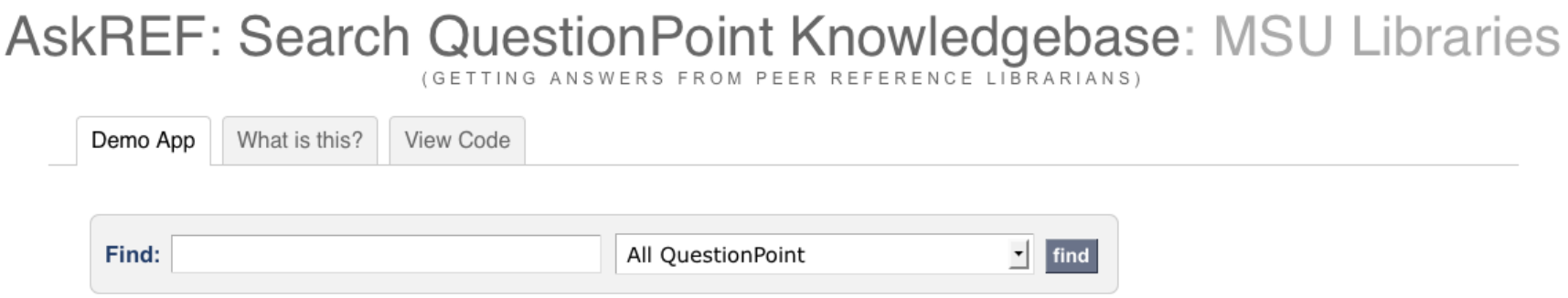
VuFind Reccomender Module



VuFind Recommender Module - Terminology Services



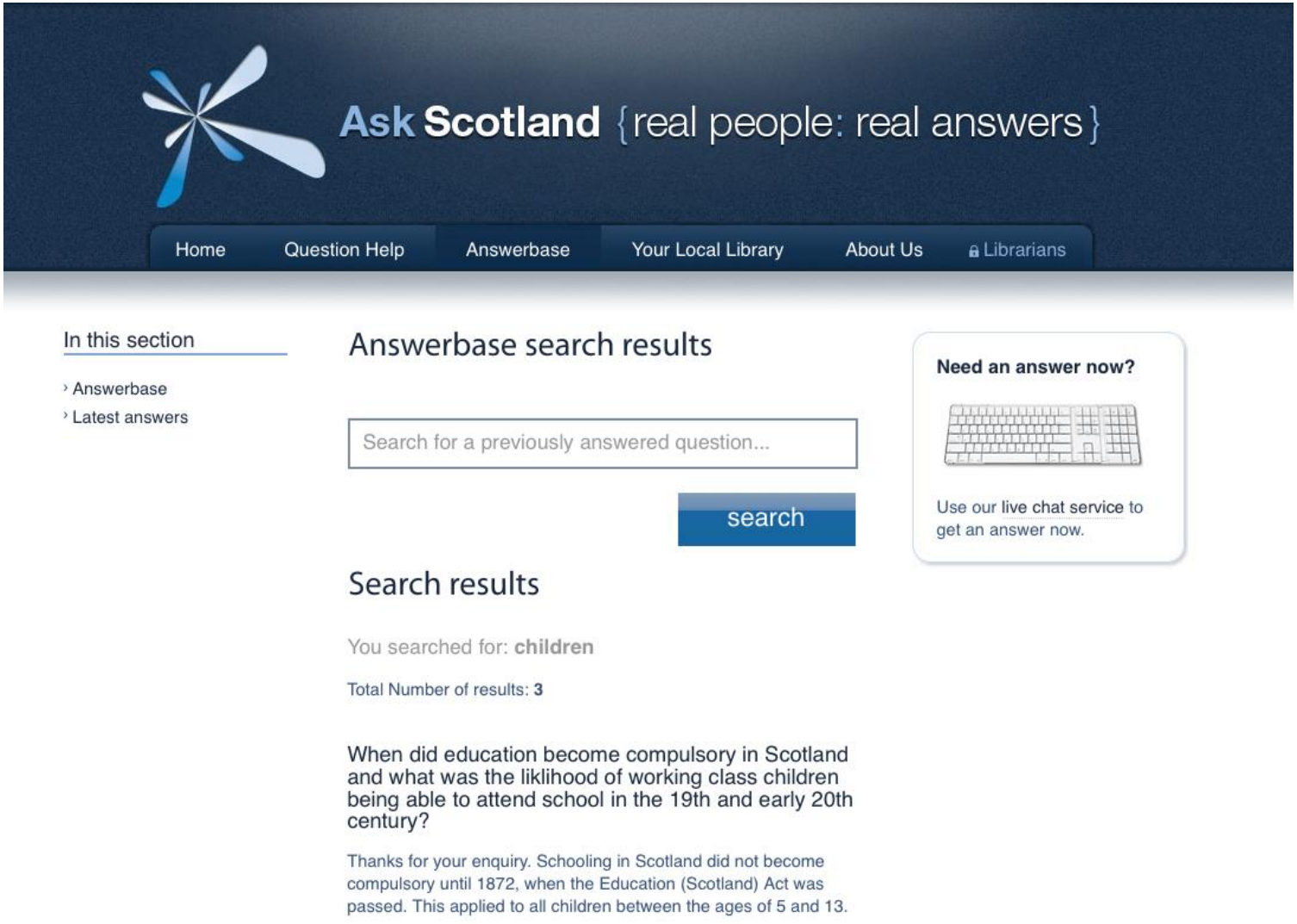
AskREF: QuestionPoint Knowledgebase



AskREF: QuestionPoint Knowledgebase

AskREF: Terminology Services

AskScotland: QuestionPoint Knowledgebase



Other Possibilities

- Crosslisting Print and Electronic Holdings
- Providing Journal Table of Contents
- Peer Reviewed Indicators
- Providing Information about the Author
- Providing Links to Free Fulltext
- Adding Similar Items
- Build a Catalog Search Box

Crosslisting Print and Electronic Holdings

OCLC

UNIVERSITY of HOUSTON
LIBRARY CATALOG

New Search | My Account | Ask A Librarian | Help

M.D. Anderson | Architecture & Art | Music | Optometry | Pharmacy

Start Over | Request | Save Records | MARC Display | Return to List | Limit/Sort Search | Another Search | WebBridge | (Search History)

ISN 0321461061 UH Main & Other Resources

System Sorted Search

Available in library

Result page: Previous Next

Author	Bardzell, Jeffrey.
Title	**Adobe Dreamweaver CS3 with ASP, ColdFusion, and PHP / Jeffrey Bardzell, Bob Flynn. [electronic resource]**
Publisher	Berkeley, Calif. : Peachpit ; London : Pearson Education [distributor], 2007.
How to Cite	APA, Chicago, Harvard, MLA, & Turabian

Persistent link to this title

Electronic Access:

Table of contents

Brief Record | Details | Find Similar Items | Full Record

Print This Page

LOCATION	CALL #	STATUS
ANDERSON/GENERAL COLL	TK5105.8885.D74 B358 2007	IN LIBRARY
UHCL/GENERAL STACKS	TK5105.8885.D74 B369 2007	DUE 02-20-10

Additional Info:

Item Rating ☆☆☆☆☆

Also Available as a Print Book

Providing Journal Table of Contents

Peer Review Indicators

Record 1 of 2

Result page: Previous Next

Additional Info:

Item Rating ☆☆☆☆☆

Title	**Journal of academic librarianship.**
Publisher	[New York, etc. Elsevier Inc. , etc.]
How to Cite	APA, Chicago, Harvard, MLA, & Turabian

See Latest Table of Contents

Persistent link to this title

Brief Record | Details | Find Similar Items | Full Record

Print This Page

Description	v. ill. 28 cm.
Frequency	Bimonthly
Published	v. 1- Mar. 1975-
Note	Vols. for Mar. 1987- include insert: Libraries & computing centers.
	Issued also online.
ISSN	0099-1333 0898-1752 1
Peer Reviewed	YES

Providing Info about the Author

Title	Stokowski conducts Beethoven Symphony no. 9 ("Choral") ; "Moonlight" sonata.
Author	Beethoven, Ludwig van About this Author
Publisher	Music & Arts
OCLC Number	32939031

About Beethoven, Ludwig van ×

Beethoven, Ludwig van

Ludwig van Beethoven ((U.S.) or (UK); ; baptised 17 December 1770 - 26 March 1827) was a German composer and pianist.

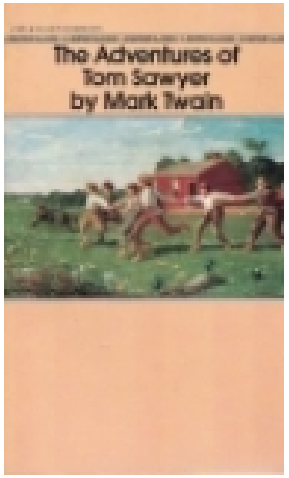
Books About this Author

- Beethoven
- The classical style: Haydn, Mozart, Beethoven
- Beethoven the creator
- Beethoven : the music and the life
- Beethoven lives upstairs

Other things by Beethoven, Ludwig van

- Piano sonatas
- Symphony no. 5 in C minor, op. 67
- Symphony no. 9

Providing Links to Free Full text



Title	The adventures of Tom Sawyer /
Author	Twain, Mark About this Author
Publisher	University of California Press, : [2002?]
ISBN	0520235754
OCLC Number	48932731

Ratings from LibraryThing

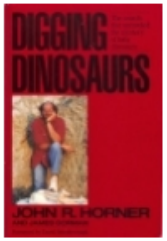
★★★★ 8820 copies, 74 reviews

Fulltext for another edition from Hathi Trust

Other Libraries with this Item

Please enter a Zip Code [ ] Search

Adding Similar Items



Title	Digging dinosaurs /
Author	Horner, John R. About this Author
Publisher	Workman Pub., : c1988.
ISBN	0894802208
OCLC Number	18190573
Call Number	QE862.D5 H643 1988

Location	Status	Copies
UTC Library (3rd Floor)	Available	1

Ratings from LibraryThing

★★★★ 142 copies, 1 reviews

Other Libraries with this Item

Please enter a Zip Code [ ] Search

Similar Items

- The dinosaurs of Waterhouse Hawkins : an illuminating history of Mr. Waterhouse Hawkins, artist and lecturer
- The complete T. rex
- Encyclopedia of dinosaurs
- The riddle of the dinosaur
- D is for dinosaur : a prehistoric alphabet
- The horned dinosaurs : a natural history
- The new dinosaur dictionary
- Kings of creation : how a new breed of scientists is revolutionizing our understanding of dinosaurs
- The Dinosauria
- Dinosaur tracks and traces

Building a Catalog Search Box

One task that many small libraries can find daunting is embedding a keyword search box for their library catalog into their library website. This script helps make that easier by using the WorldCat Registry to look up a library's ILS Vendor and catalog url. Then based on this building a keyword search form that can be easily cut and paste into a website.

Input your institutions OCLC Symbol to have a search box auto-generated. If your catalog isn't currently supported a message stating this will be displayed. If you'd like to help add search boxes for additional catalogs like Koha, please send a message to the OCLC DevNet Listserv.

OCLC Symbol

Search

Ex Libris

Cut and paste the following code to create a keyword catalog search for your catalog.

```
<form action="http://seneca.sunyconnect.suny.edu:4390/F" method="get">
<input type="hidden" name="func" value="find-b"/>
<input type="hidden" name="find_code" value="WRD"/>
<label for="keyword"> Enter a Keyword to Search For</label>
<input type="text" value="" id="keyword" name="request"/>
<input type="submit" value="Search"/>
</form>
```

More Applications !!!

- **Code samples -**
  www.worldcat.org/devnet/wiki/SearchAPIDemos
- **Application Gallery -** www.oclc.org/applicationgallery/
- **Demo Code -**
  http://www.worldcat.org/devnet/code/devnetDemos/
- **Get your app in the gallery!**
  Email either Karen Coombs (coombsk@oclc.org) or
  Alice Sneary (snearya@oclc.org)

Connect with other developers, continue the conversation

How to officially join the OCLC Developer Network?

Join the WC-DEVNET-L listserv (free!)

- **Boston Mashathon Sept 23 – 24 @ Microsoft NERD**
- **Listserv** https://www3.oclc.org/app/listserv/
- **Blog** http://worldcat.org/devnet/blog/
- **Wiki** http://worldcat.org/devnet
- **Twitter** http://twitter.com/oclcdevnet/