

OCLC Web Services in Action

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Product Manager, Developer Network



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 <u>web application</u> that combines data from more than one source into a single integrated tool



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 or OCLC 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	
Institution Identifier	 Address Contact information IP ranges OpenURL servers 	

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ISSN	Superseded titles for journals/serials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

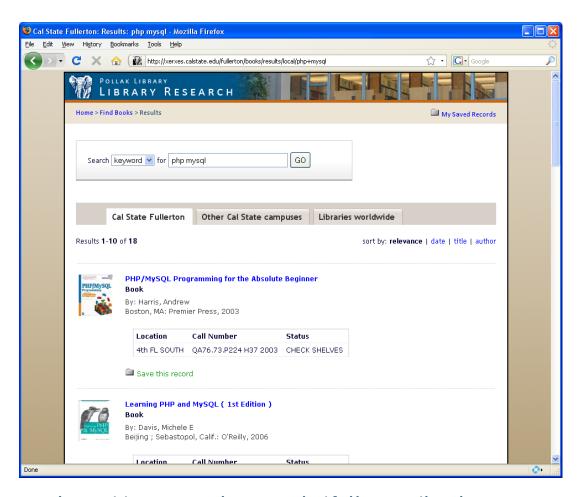
Question Point KB Web Service



If you send this	You can get
Keyword search	Question Question ID
Question ID	

CSU Library Search WorldCat Search API

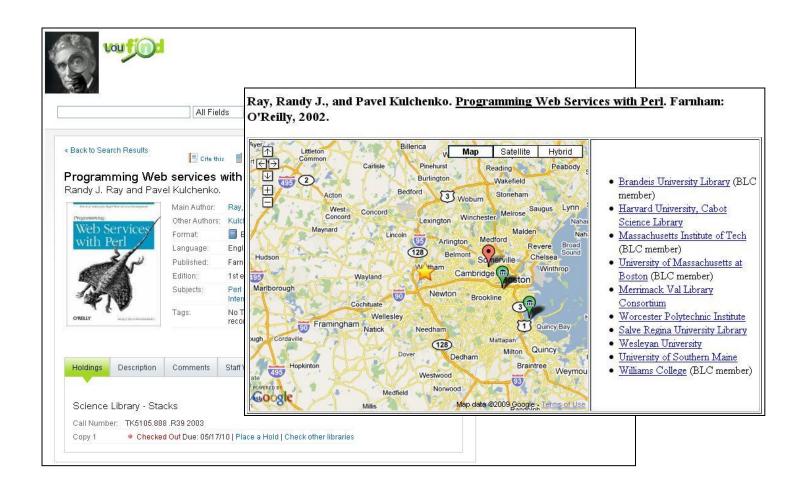




http://xerxes.calstate.edu/fullerton/books

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





Wageningen UR Library Catalogue WorldCat Search API, OpenURL Registry





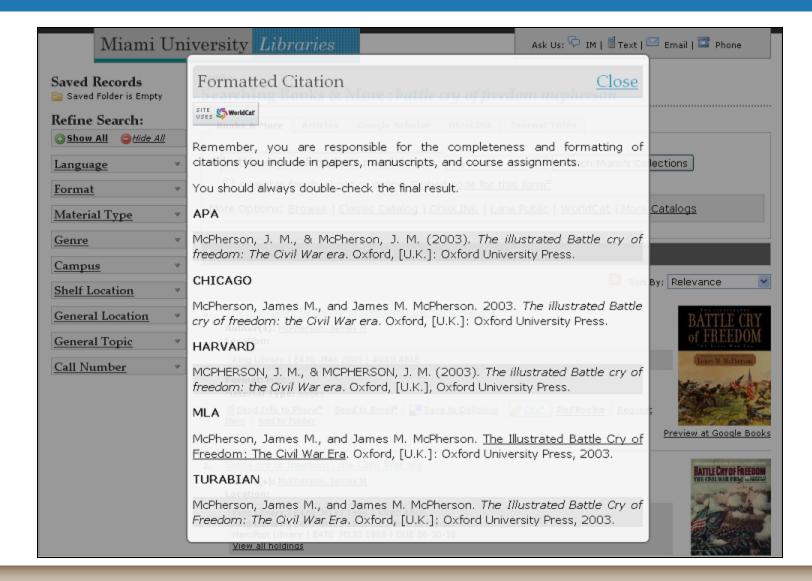
Miami University Libraries Citation formatting



Miami Uni	iversity Libraries Ask Us: 🌣 IM	Text Email Phone
Saved Records Saved Folder is Empty	Home > Searching Books & More : battle cry of freedom mcphers	on
Refine Search: Show All GHide All	Books & More Articles Google Scholar OhioLINK Journal Titles	
Language =	battle cry of freedom mcpherson Keyword Search	Miami's Collections
Format =	Available for checkout or online <u>Embed code for this form</u>	
Material Type	More Options: Browse Classic Catalog OhioLINK Lane Public WorldC	Cat More Catalogs
<u>Genre</u>		
<u>Campus</u>	! 4 results found in Books & More.	
Shelf Location		Sort By: Relevance
General Location	 The illustrated Battle cry of freedom: the Civil War era Author(s): McPherson, James M 	BATTLE CRY
General Topic	Location:	OI FREEDOM
<u>Call Number</u>	King Library E470 .M46 2003 AVAILABLE Format: Print	James M. McTherson
	Material Type: Books	X X
	Send Info to Phone [®] Send to Email [®]	Request
		Preview at Google Books
	2. Battle cry of freedom : the Civil War era	RAYTI E CHYOS FREEDOM
	Author(s): McPherson, James M Location:	THE COLL WAR BEING A MARRIE
	King Library E470 .M133 1988 AVAILABLE King Library E470 .M133 1988 c.2 DUE 01-30-10 Hamilton Library E470 .M133 1988 DUE 06-30-10 View all holdings	

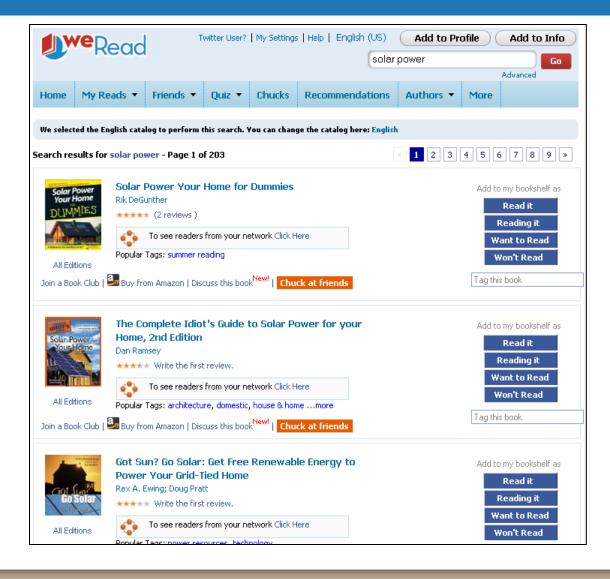
Miami University Libraries Citation formatting





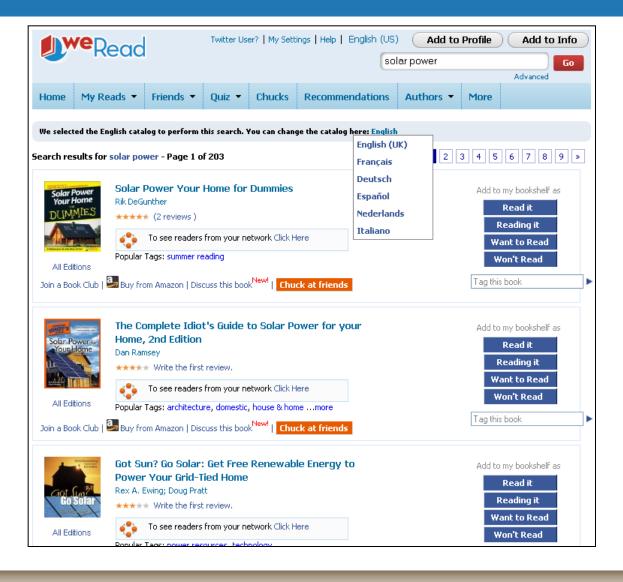
WeRead Search API with Language Limits





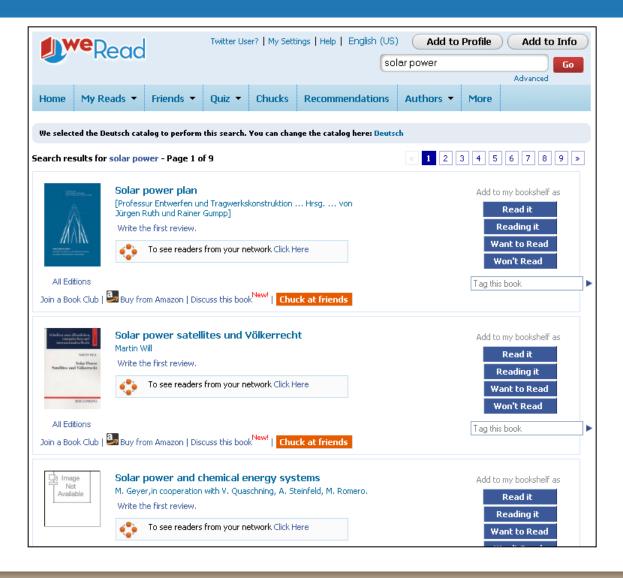
WeRead Search API with Language Limits





WeRead Search API with Language Limits





WorldCat in RedLaser and pic2shop





RedLaser





pic2shop



Local libraries

call for availability

Hertie School of Governance (2 km) FRIEDRICHSTRASSE 180 10117 Berlin, Germany

European School of Mgmt & Tech Information Center (2 km) SCHLOSSPLATZ 1 10178 Berlin, Germany

Staatsbibliothek Zu Berlin (3 km)
PRENBISCHER KULTURBESITZ,
POTSDAMER STR 33

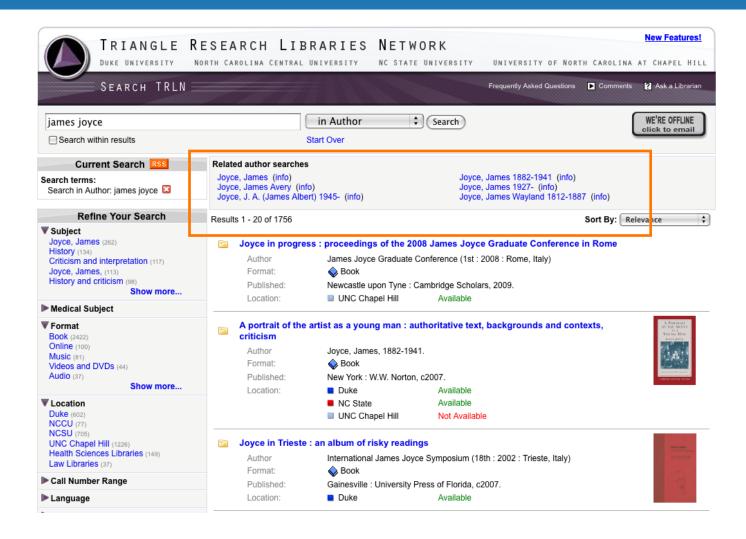


See RedLaser and the WorldCat Search and Registry APIs in action:

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

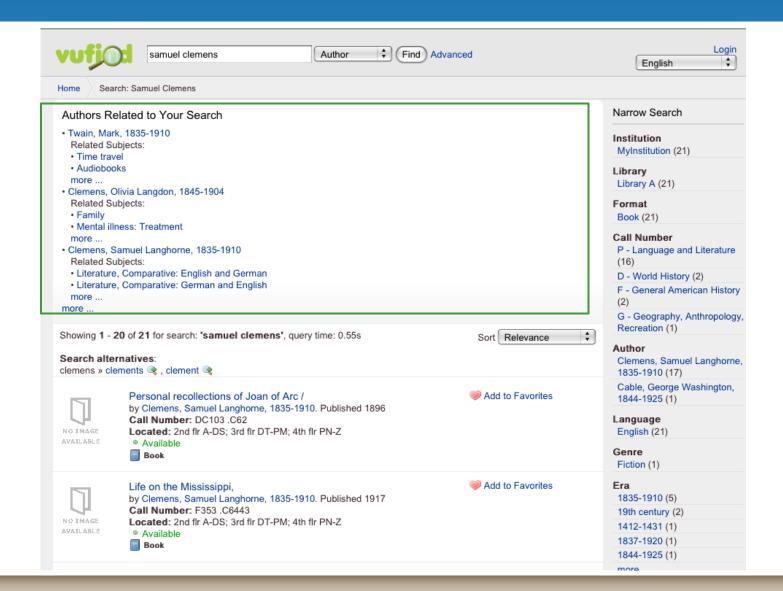
Identities in Search TRLN





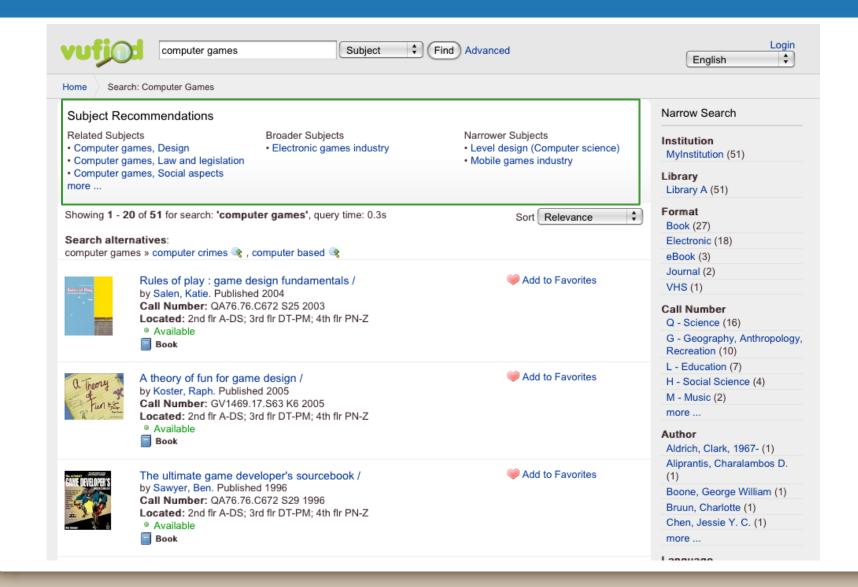
VuFind Reccomender Module





VuFind Recommender Module - Terminology Services





AskREF: QuestionPoint Knowledgebase



AskREF: Search QuestionPoint Knowledgebase: MSU Libraries

AskREF: QuestionPoint Knowledgebase



AskREF: Search QuestionPoint Knowledgebase: MSU Libraries

(GETTING ANSWERS FROM PEER REFERENCE LIBRARIANS)

Demo App What is this? View Code

Reset the page

Results of your QuestionPoint all search for ipod (Showing matches from the last year)

1. what is (are) an ipod (ipods)? is the word ipod an acronym and if so what does it stand for.

Answer I Related Terms

2. Someone . . . told me that she heard a statistic that went something like this: "Between Thanksgiving and Christmas, an IPOD was sold every 4 minutes." Can you help me verify or correct that statistic, and provide a citation? I want to relate this to...

Answer I Related Terms

3. [From Chat Transcript]: What are the lyrics to the song "My Generation" by the Who?

Answer I Related Terms

4. <u>Hi. Looking at your site for downloadable material (music, audio books, etc.). It seems that nothing is available for use with MAC computers. Is this true.</u>

Answer I Related Terms

5. I need a reports/news/article on Microsoft Zune advertisement.

Answer I Related Terms

AskREF: Terminology Services



AskREF: Search QuestionPoint Knowledgebase: MSU Libraries

What is this? View Code Demo App

Return to list of questions related to ipod

Related terms for your query of ipod

- · ipod touch digital music player
- · ipod digital music player

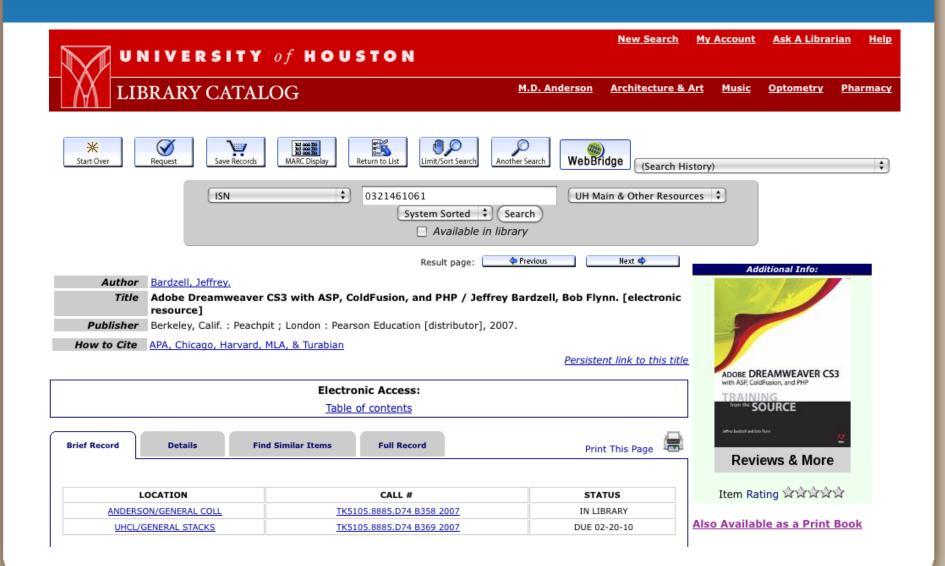
Other Possibilities



- Crosslisting Print and Electronic Holdings
- Linking to Libraries Nearby
- 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

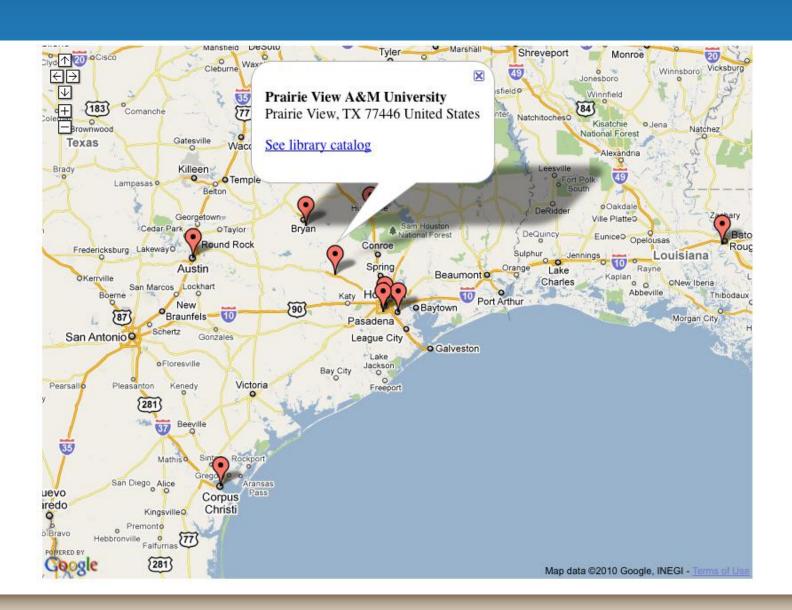
Crosslisting Print and Electronic Holdings





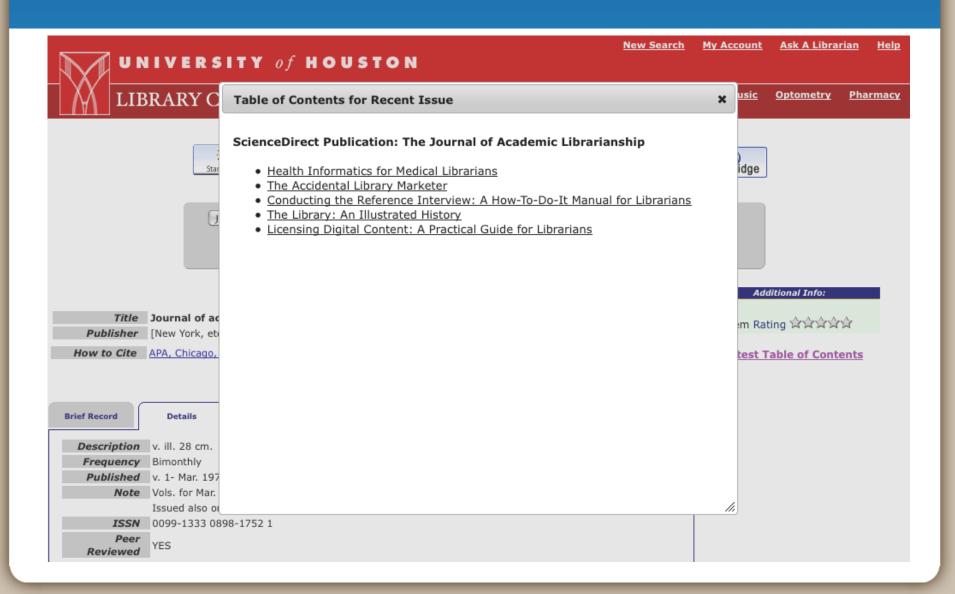
Linking to Libraries Nearby





Providing Journal Table of Contents





Peer Review Indicators





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

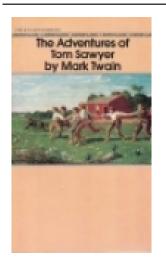
- Beethoven
- The classical style: Haydn, Mozart, Beethoven
- Beethoven the creator
- Beethoven : the music and the life
- Beethoven lives upstairs

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

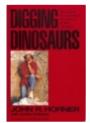
Fulltext for another edition from Hathi Trust

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
- <u>Dinosaur tracks and</u> 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 Listsery.

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!)

- Listserv https://www3.oclc.org/app/listserv/
- Blog http://worldcat.org/devnet/blog/
- Wiki http://worldcat.org/devnet
- Twitter http://twitter.com/oclcdevnet/