

Implementing Web-Scale Discovery in an Academic Research Library

Usability Testing

- November 2008
 - Tammy Allgood, Web Services Librarian
 - Evaluation of library web site home page
- July 2009
 - Tammy Allgood, Web Services Librarian and Cindi Farmer, Provost Web and Publication Design Group
 - Evaluation of MyASU student portal search box



Interfaces Tested







Methodology

- Participants were asked 4 questions about library research and then asked to complete 12 tasks.
- Tasks were written to simulate the types of information needs students have when coming to the ASU Libraries web site.
- The students were observed directly and asked to perform a cognitive walkthrough, verbally explaining their decisions as they attempted to complete the tasks.
- Completion of tasks are measured on the following scale:
 - Unsuccessful.
 - Successful with extra effort.
 - Successful.



Summary of Observed Behavior

- Users often go to "Online Catalog" first thinking it is searching all of the Library resources (and don't get results for journal articles).
- Users don't know what database to go to for articles.
- The research-savvy users who have past experience with Google Scholar found most things quickly.
- There is general user dissatisfaction with the distributed nature of library systems.



Comparison Criteria

	Summon (http://www.serialssolutions .com/summon/)	WorldCat (http://www.worldcat.org/)	Google Scholar (http://scholar.google.com/)	Encore
Implementation time (workflow impact low/med/high)	Low implementation time (very little disruption in local workflows)	High implementation time (would be disruptive to BAMS workflows / workflows would have to be revised)	Medium implementation time	Medium implementation time
Comprehensive content coverage (high-med-low)	High content coverage	Medium content coverage	Medium content coverage	Medium content coverage
Licensed Content Negotiation & Contracts	Serials Solutions have our holdings (easy implementation)	Contracts/content must be licensed through WorldCat to be included in holdings search (high impact).	N/A	Some
Catalog integration	Would need to be indexed by Summon (part of 6 week startup time)	Most Records Already in Worldcat (no coverage of those that are not)	None	Yes
Programmatic access to data (API)	High	None	None	None
Privileged local content in search results (show local content first)	Yes	Yes	No	Yes
Allows local repository content	Yes	Records must be in WorldCat catalog	Available through crawling; inclusion through Google Scholar is unknown	Yes
Portal integration	Yes	No	No	No
Federated	No	No	No	Yes

Implementation Team

- Web Services Librarian
- Metadata Librarian
- Cataloger
- Head of Bibliographic and Metadata Services
- ILS Admin
- Media Production Manager
- Marketing Director



Implementation

- Purchased product
- Name/Icon Testing September
- Library Staff Info Sessions October
- Provost Committee Info Presentation October
- Internal Beta Testing End of October
- Beta Release 11/11/09
- Post Beta User Testing November/December
- Library Staff Training Sessions January
- Full Release 1/5/10



	0	Task Name	Start	Finish
1	✓	─ Workflow Management	Tue 8/18/09	Wed 8/26/09
2	✓	Create Export Search	Tue 8/18/09	Tue 8/25/09
3	✓	Edit Current Cataloguing Workflow to account for no del	Tue 8/18/09	Wed 8/26/09
4	✓	Remove item deletion permissions in millenium	Tue 8/18/09	Thu 8/20/09
5	✓	Set up workflow to run search, output Marc, and purge	Tue 8/18/09	Tue 8/25/09
6	✓	☐ Data Mapping	Tue 8/18/09	Wed 10/14/09
7	✓	Determine which records should not be included in Sum	Tue 8/18/09	Wed 8/26/09
8	✓	Map Marc Fields in Catalog to Summon Search Fields	Tue 8/18/09	Wed 9/2/09
9	✓	Map Locations	Fri 10/2/09	Wed 10/14/09
10		☐ Configuration	Sat 3/21/09	Fri 7/23/10
11	✓	Send Configuration Data to Serial Solutions	Sat 3/21/09	Mon 3/30/09
12	✓	Export all records	Tue 8/18/09	Wed 8/26/09
13	✓	FTP records to Serial Solutions	Wed 8/26/09	Mon 8/31/09
14	III	Index Content	Wed 9/9/09	Fri 10/9/09
15	III	Web Site Integration	Fri 9/18/09	Fri 10/9/09
16	1	Implementation of User Feedback	Tue 12/8/09	Mon 1/4/10
17	III	MyASU Integration	Wed 11/11/09	Mon 1/11/10
18	III	Toolbar Integration	Wed 11/11/09	Mon 1/11/10
19	III	Live Web Site Integration	Mon 1/4/10	Mon 1/11/10
20		Blackboard integration	Fri 6/4/10	Fri 7/23/10
21		Facebook Application?	Tue 2/9/10	Thu 3/25/10
22	-	LibGuides Widget	Tue 2/9/10	Mon 3/29/10
23		☐ User Testing	Mon 8/24/09	Fri 12/18/09
24	✓	Poll Users for new name for Summon Search Service	Mon 8/24/09	Fri 8/28/09
25	✓	Name/Icon Testing	Tue 9/15/09	Tue 9/22/09
26	-	Internal Beta Testing	Wed 10/14/09	Fri 12/18/09
27		Provost Committee Testing	Wed 10/28/09	Fri 11/6/09
28		Pre Beta User Testing	Wed 10/21/09	Fri 11/6/09
29		Post Beta User Testing	Mon 11/23/09	Mon 12/7/09
30		☐ Marketing and Promotion	Tue 8/18/09	Tue 8/3/10
31	✓	Create icon for new search service	Tue 8/18/09	Mon 9/14/09
32	=	Provost Committee Info Presentation	Wed 10/28/09	Wed 10/28/09
33	III	Library Staff Info Sessions	Mon 10/5/09	Fri 10/16/09
34	=	Viral Promotion	Mon 10/12/ ▼	
35	III	Full Release Campaign	Mon 1/4/10	Tue 1/12/10
36	III	External publications and presentations	Mon 5/3/10	Tue 8/3/10
37	III	Beta Release	Wed 11/11/09	Wed 11/11/09
38		Full Release	Tue 1/12/10	Tue 1/12/10
39		☐ Collection Savings	Mon 2/1/10	Thu 4/1/10

Rebranding Summon



















Student Advisory Committee

- Voted for "Library One Search"
- Quotes from students:
 - "I find it hilarious that both Library Single Search and Library Multi Search are in the running..."
 - "Questions: Why won't every single item be indexed? What would be the point of a search box such as this if every single item is not indexed? Don't you think this will create a black hole of items that will never be used or accessed?"



ASU Home My ASU Colleges & Schools A-Z Index Directory Map | Tammy SIGN OUT

Search

library

All ASU Libraries W My Accounts W Hours ASU Libraries Catalog Research Databases Course Reserves Get Help W

One Search Journals Catalog LibGuides Google Scholar

ASU Libraries' collection. About the Library One Search





- About the Libraries
- Articles
- Books, CDs & DVDs
- Specialized Collections
- Services
- · For Faculty & Staff
- For Students
- For Visitors
- Tutorials



Library One Search retrieves many articles, books, and other resources from the

LibGuides - Guides to finding the best resources on a subject or a specific course. Find a subject librarian

Featured Resource

New mobile library site!



Most Used Resources

- ABI/Inform
- · Academic Search Premier
- CINAHL
- · Dissertations & Theses
- · Economist Intelligence Unit (EIU)
- ERIC
- · Google Scholar
- JSTOR
- · LexisNexis Academic

- MDConsult
- Medline (Ovid)
- Naxos Music Library
- netLibrary
- PsycInfo
- PubMed
- Refworks
- · Web of Science
- · Worldcat (OCLC FirstSearch)

we have the resources you need to uncover, scover & learn

Library Channel

New Fax Service at Polytechnic campus Library

The Polytechnic campus library is now offering fax service for library users. A convenience fee of \$1 per page will be requested for local numbers and \$2 per page for long-distance numbers. Please contact the Polytechnic Library at (480) 727-1037...

Event: 'Mapping' Indigenous Futures: Creating a Native Voice in Higher Education (Simon Ortiz and Labriola Center Lecture on Indigenous Land, Culture and

Event: 'Mapping' Indigenous Futures: Creating a Native Voice in Higher Education The Simon Ortiz and Labriola Center Lecture on Indigenous Land, Culture, and Community Date: Thursday October 7, 2010 Time: 7:00pm Location: Heard Museum,.

Library Minute: ASU Libraries Goes Mobile

Do you have an iPhone, iPod Touch, Android, Blackberry or other mobile device? You can now use them to access the ASU Libraries wherever you go. In the latest the Library Minute we learn about the new mobile version of the ASU Libraries web site....

More news Library Minute

Newsfeeds Newsfeeds Newsfeeds



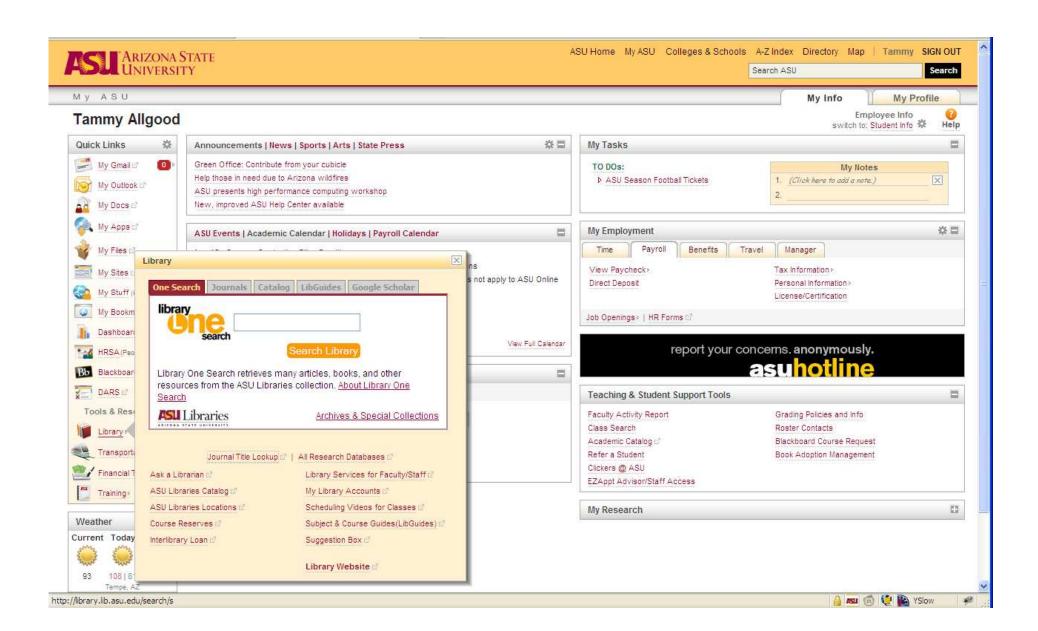


Coverage Information

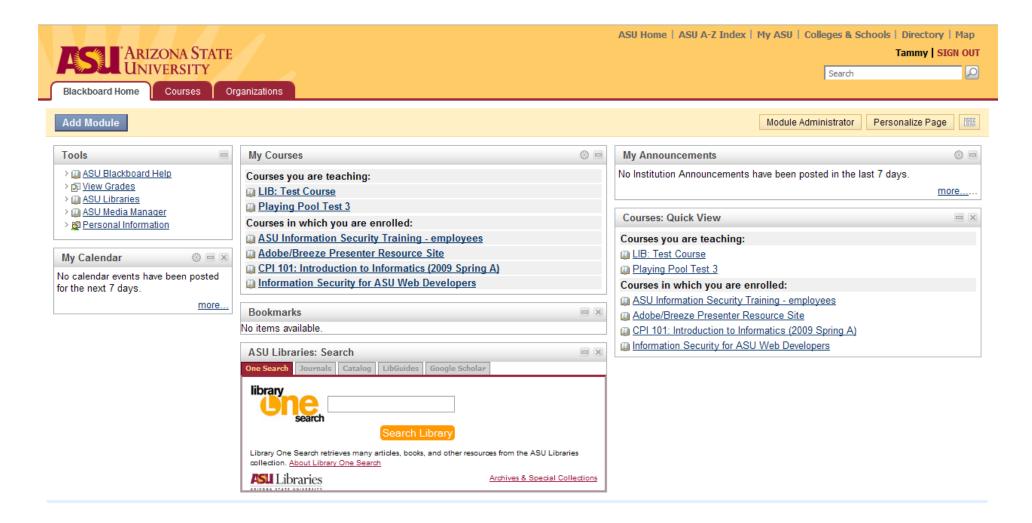
- Electronic Serial coverage is tricky to calculate...
 97% of our 100 top accessed journals
- 91.28% of all electronic items with unique ISSNs
- http://www.serialssolutions.com/assets/publicati ons/Summon-represented-titles.pdf
- "The Library One Search Searches most, but not all of our resources. If you are not finding what you expect or for a more comprehensive search, consult your subject librarian. They can assist you with other resources that are not included in the Library One Search."



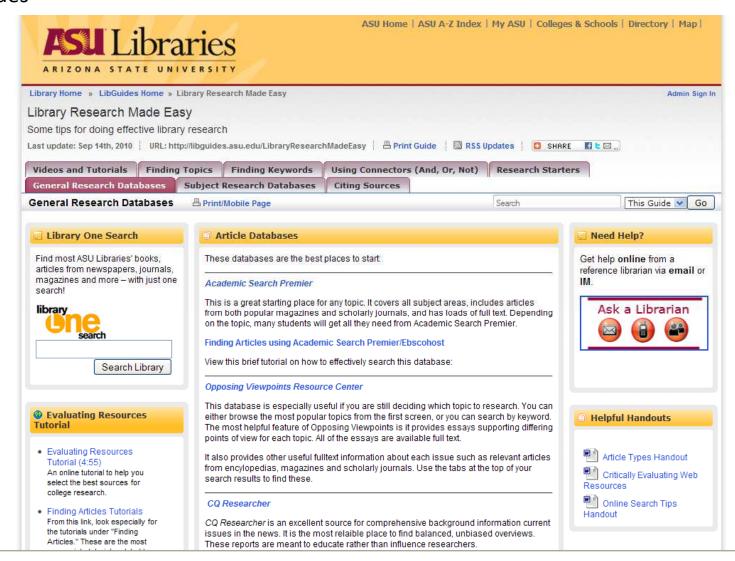
ASU Portal



Blackboard



LibGuides



Toolbar

Marketing



Ibrary Une finally a serious research engine	search
ASURITE UserID: Activate (Forget D./ Password) Forget D./ Password? Login	
Need Help? Email: HelpDesk@asu.edu; or call the Help De Copyright Acceptable Use Privacy	sk (480)965-6500 ASU Home

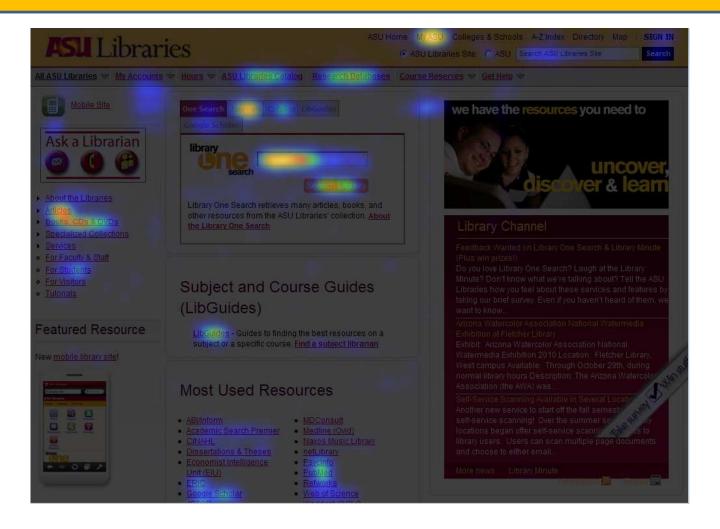


Internal Marketing





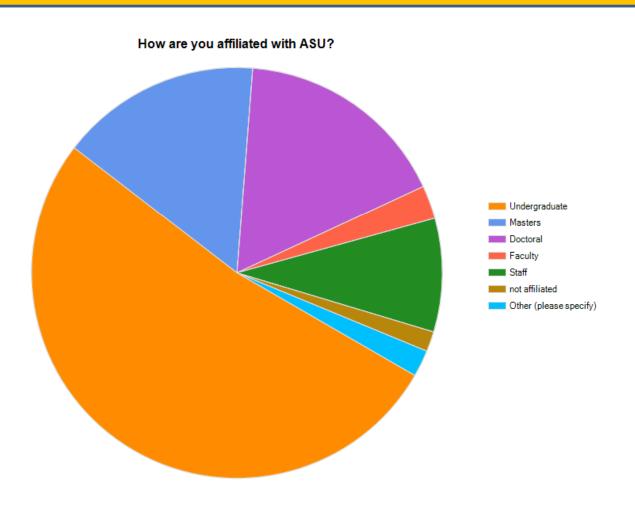
Usage



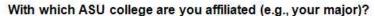


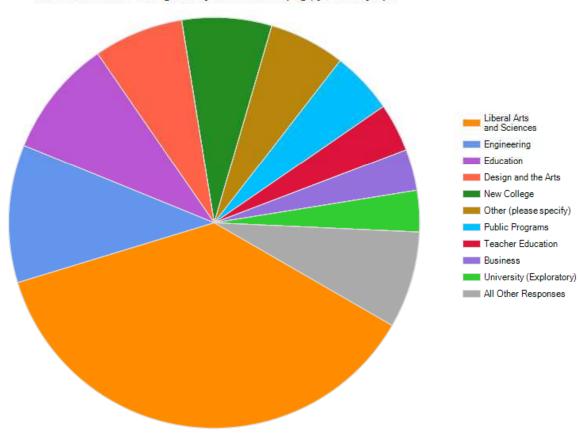
- Web Site Survey
- 190 users
- Incentive book store gift certificates



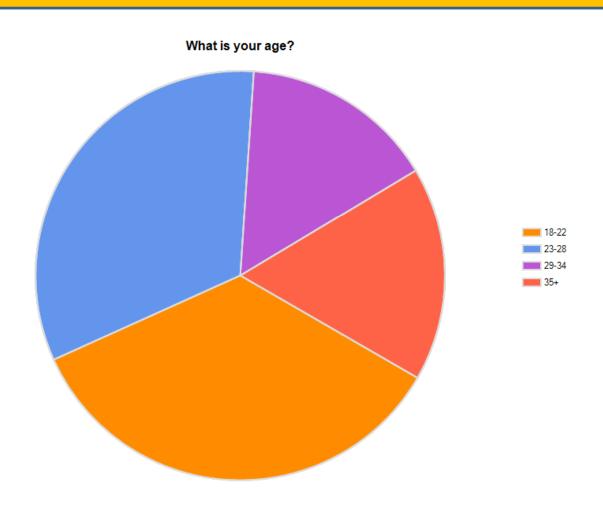






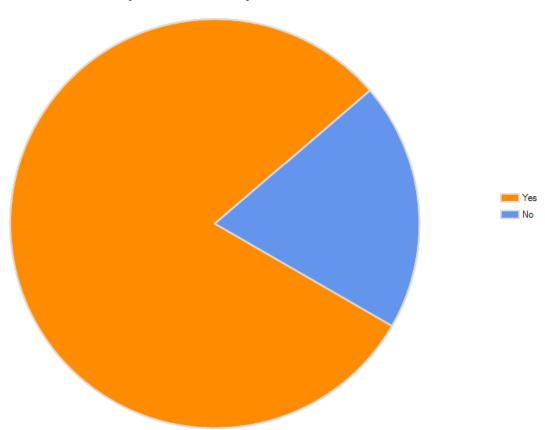






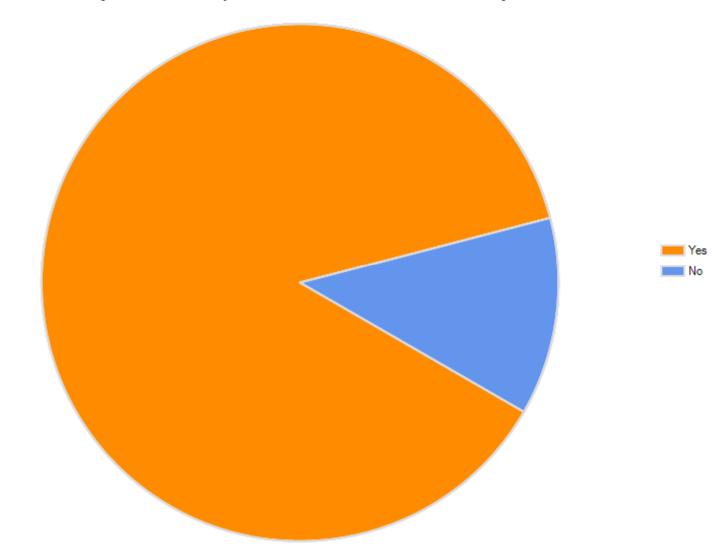




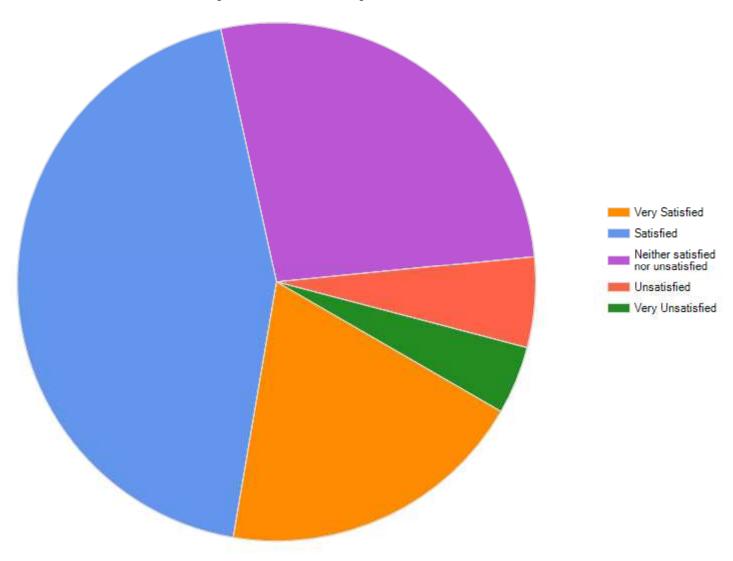




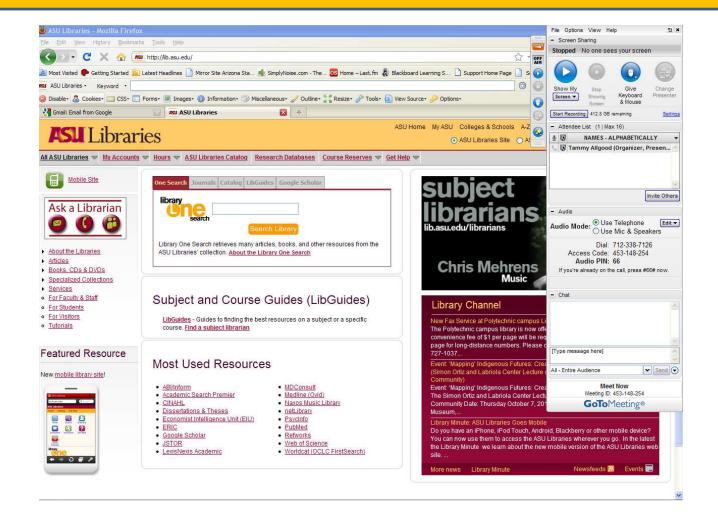
Is the Library One Search a positive addition to the current library services?



How satisfied are you with the Library One Search?



User Testing





Results

- Currently collecting
- Obvious differences between students and faculty
- Future publication

