

LibraryFind[®]

Better Discovery. Easy Delivery.

LibraryFind Vision

- Universal platform for scholarly activity
- Better discovery
- Easy delivery
- Open source, easily adoptable
- Extensible

Search this site



My Library Account

► Change My View

► Find Books & Articles

► Find Other Resources

Browse By Subject

► Using the Library

► Learning Spaces

University Archives

Special Collections

Oregon Explorer

► About OSU Libraries

How Do I...?

Ask a Librarian

Demos and Guides

Get Help with a Subject

Get Help with a Class

Comments & Suggestions

Home

New Fine Arts Print Collection available online...



LibraryFind

Search popular resources for books & articles

Go

Quicklinks

[OSU Libraries Catalog](#)

[Databases](#)

[E-journals](#)

[Course Reserves](#)

[Hours](#)

Did You Know?

If you need help with finals, drop-in tutoring is available in the [CLC](#).



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learning
center

VISIT THE CLC

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Award winning books at the
[Valley Library](#)



The House on the Lagoon
by [Rosario Ferre](#)

Featured

Win a scholarship for your research at
the OSU Libraries.



DISCOVER



Oregon

EXPLORER

Natural Resources Digital Library

ask a librarian



OSULibraries is offline
leave a message

Type **here** and hit enter to send an offline
message.


edit nickname: [meeboguest435643](#)



get meebop

To browse and chat, [float the box](#)
[More ways to get help](#)

GIVING TO

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BA 590: New Product Development

Course Instructor

Name: Keven Malkewitz**Ask the Instructor:** [Email!](#)**Office Location:** 410 Bexell Hall[Instructor's Website](#)

LibraryFind Search for Business

****Search results open in a new window****

Market Research

[Mintel Market Research Reports](#)

Market research information relating to consumer goods and services. Information is gathered from original market research, analysis of official data and surveys and is then packaged into reports. Each report follows a similar format, including sections on market suppliers.

Course Librarian

Librarian: Laurie Bridges**Office Location:** The Valley Library**Chat:** VLibLaurie**Ask the Librarian:** [Email Me!](#)

Laurie the Librarian

vliblaurie is offline
leave a message

LibraryFind: finish_search - Windows Internet Explorer

http://apollo.library.oregonstate.edu:3001/record/finish_search?&jobs=8360%2C8361%2C8362%2C8363%2C8364%2C8365%2C8366%2C8367%2C8368%2C8369%2C8370 Live Search

File Edit View Favorites Tools Help

LibraryFind: finish_search


results)
[More Authors...]

Databases
 EBSCOHost Academic Search Premier (25 results)
 EBSCOHost Business Source Premier (25 results)
 Oregon State University Library Catalog (25 results)
 Electronic Theses and Dissertations (25 results)
 OSU EAD (25 results)
 Archives (25 results)
 Oregon Explorer (25 results)
 U.S. Forest Service Research Legacy (25 results)
 Braceros in Oregon Photograph Collection (5 results)
 Electronic Books (5 results)
 [More Databases...]

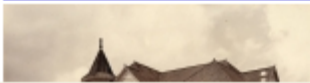


1945 McGraw Hill Book Co
[Citation](#) [Save This Item](#) [more from 'Oregon State University Library Catalog'](#)

[Book] [Agriculture and the Common Market.](#)
Call Number: HD1920.5 .A64
 Andrews | Agriculture Economic aspects European Economic Community countries.;
 1973 Iowa State University Press
[Citation](#) [Save This Item](#) [more from 'Oregon State University Library Catalog'](#)

[Book] [Agriculture and the quality of our environment. Nyle C. Brady, editor.](#)
Call Number: TD883.1 .B7 1966
 American Association for the Advancement of Science | Agriculture.; Pollution
 1967 Agriculture and the quality of our environment. Nyle C. Brady, editor.
[Citation](#) [Save This Item](#) [more from 'Oregon State University Library Catalog'](#)


 [Image] [Agriculture Hall](#)
 Campus buildings; Agriculture Hall; Education Hall; Science Hall; Burggraf, Charles
 1905 Agriculture Hall
[Citation](#) [Save This Item](#) [more from '65'](#)

[Image results for Oregon State University collections](#)

Internet 100%

LibraryFind: finish_search - Windows Internet Explorer

http://apollo.library.oregonstate.edu:3001/record/finish_search?&jobs=8360%2C8361%2C8362%2C8363%2C8364%2C8365%2C8366%2C8367%2C8368%2C8369%2C8370 Live Search


File Edit View Favorites Tools Help

LibraryFind: finish_search

results)
[More Authors...]

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 OSU EAD (25 results)
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 Oregon Explorer (25 results)
 U.S. Forest Service Research Legacy (25 results)
 Braceros in Oregon Photograph Collection (5 results)
 Electronic Books (5 results)
 [More Databases...]

1945 McGraw Hill Book Co
[Citation](#) [Save This Item](#) [more from 'Oregon State University Library Catalog'](#)

 [Book] [Agriculture and the Common Market.](#)
Call Number: HD1920.5 .A64
 Andrews | Agriculture Economic aspects European Economic Community countries.;
 1973 Iowa State University Press


Author: Andrews
Title: Agriculture and the Common Market.
Publisher: Iowa State University Press
Date: 1973
ISBN: 0813800307

[Citation](#) [Save This Item](#) [more from 'Oregon State University Library Catalog'](#)

[Book] [Agriculture and the quality of our environment. Nyle C. Brady, editor.](#)
Call Number: TD883.1 .B7 1966
 American Association for the Advancement of Science | Agriculture.; Pollution
 1967 Agriculture and the quality of our environment. Nyle C. Brady, editor.

Author: American Association for the Advancement of Science
Title: Agriculture and the quality of our environment. Nyle C. Brady, editor.
Publisher:
Date: 1967
ISBN:

[Citation](#) [Save This Item](#) [more from 'Oregon State University Library Catalog'](#)



Internet 100%

LibraryFind: retrieve_page - Windows Internet Explorer


http://apollo.library.oregonstate.edu:3001/record/retrieve_page?completed=8393%2C8394%2C8395%2C8396%2C8397%2C8398%2C8399%2C8400%2C8401%2C8402%2C Live Search

File Edit View Favorites Tools Help

LibraryFind: retrieve_page

My Saved Items | Help | Report a Problem

LibraryFind® water problems Find It! Advanced Search

Search results for 'water problems' > 'Article' 

Refine Results

Material Types
[Unfilter Material Types](#)

Subjects
Watersheds -- Oregon -- Umpqua River Basin (1 results)
Umpqua River Watershed (Or (1 results))

Authors
Colvin (3 results)
Laws (2 results)
Bennett (2 results)
Knack (2 results)
Ashford (2 results)
Meyer (2 results)
Tucker (2 results)
Hasselbacher (1 results)
Cline (1 results)
Fisher (1 results)
[\[More Authors...\]](#)

Databases
EBSCOHost Academic Search Premier (25 results)
EBSCOHost Business Source Premier (25 results)
Oregon Explorer (1 results)

Results 1 - 10 of 3405 hits Sort by: Relevance

[Article] [Some water problems and hydrologic characteristics of the Umpqua Basin](#)
Master files scanned at 600 ppi (256 Grayscale, 24-bit Color) using Capture Perfect 3.0 on a Canon DR-9080C in TIF format. PDF derivative scanned at 300 ppi (256 B&W, 24-bit Color), using Capture Perfect 3.0, on a Canon DR-9080C.
Some water problems and hydrologic characteristics of the Umpqua Basin
[Full Abstract](#) [Citation](#) [Save This Item](#) [more from 'Oregon Explorer'](#)

[Article] [Dow Continues to Solve Water Problems](#)
Information on the China-U.S. Environmental Industries Forum held on October 21, 2008 in Beijing, China is presented. The forum was a collaboration among the U.S. Department of Commerce, the U.S. Environmental Protection Agency a
NOV, 2008 *China Chemical Reporter*
[Full Abstract](#) [Citation](#) [Save This Item](#) [more from 'EBSCOHost Academic Search Premier'](#)

[Article] [Using MODFLOW 2000 to Model ET and Recharge for Shallow Ground Water](#)
In environments with shallow ground water elevation, small changes in the water table can cause significant variations in recharge and evapotranspiration fluxes. Particularly, where ground water is close to the soil surface, both
JAN, 2009 *Ground Water*
[Interlibrary Loan](#) [Full Abstract](#) [Citation](#) [Save This Item](#) [more from 'EBSCOHost'](#)

[Article] [Promoting Groundwater Reform in the Guadiana Basin](#)
The article provides information on promoting groundwater reform to be able to fill in the gap between existing water institutions and the institutions needed to ensure sustainable water supplies for the future. The establishment
DEC, 2008 *American Journal of Agricultural Economics*
[Full Abstract](#) [Citation](#) [Save This Item](#) [more from 'EBSCOHost Business Source Premier'](#)

Done

Internet 100%

(some user-noticed) LibraryFind Features

- Two-click workflow
- Facets for browsing / limiting
- Ability to sort by relevance or date
- Breadcrumb trail
- Quick citation information
- Link to resource collection
- RSS Linking

(some under-the hood)

LibraryFind Features

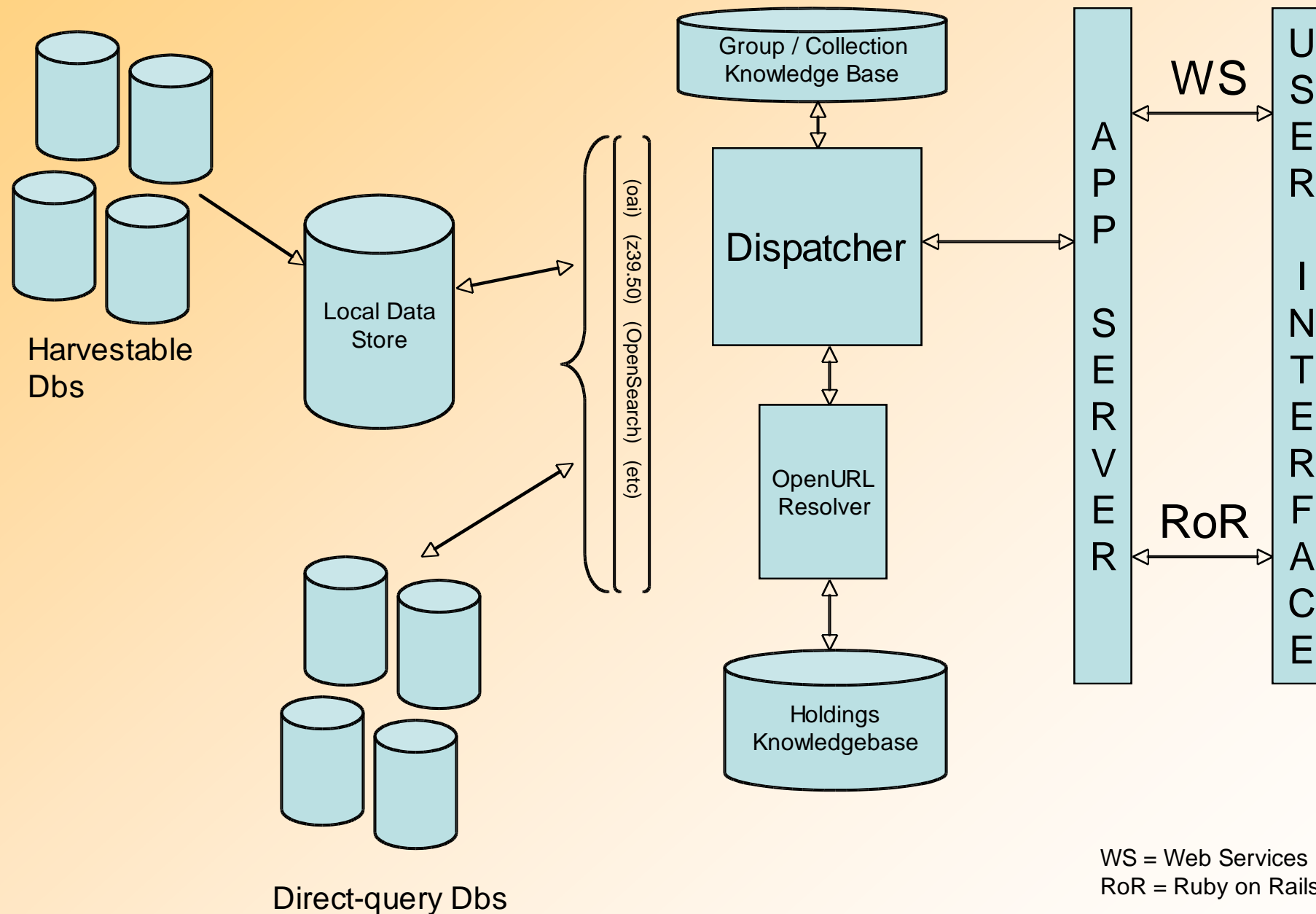
- “Look-ahead” OpenURL resolution
- Smart ILL link display
- Dynamic, on-the-fly facet creation
- Extensively user-tested user interface
- Search caching
- Ability to locally index harvestable collections

(some more under-the-hood)

LibraryFind Features

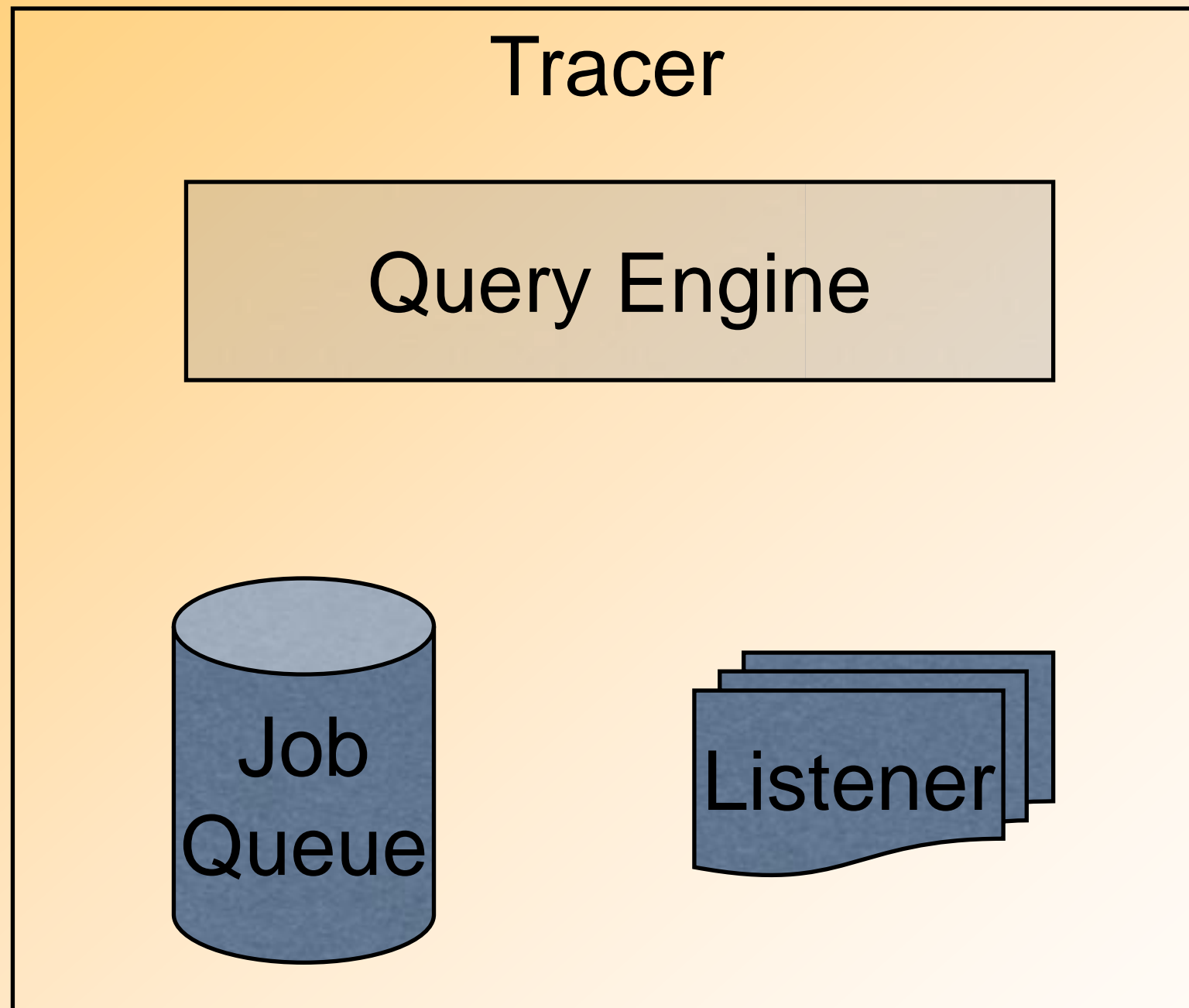
- Extensible, customizable (XML-backend)
- Web-based administration
- COinS support
- Open Source

LibraryFind Architecture



WS = Web Services
RoR = Ruby on Rails

0.9 Federated Search Engine



LibraryFind – Behind the scenes

- LibraryFind is a unique metasearch tool for a couple of reasons:
 1. Integrated OpenURL resolution
 2. Both a harvester/indexer and federated search tool
 3. Metadata driven knowledge-base
 4. Implements a 2-tier caching system

LibraryFind – Behind the scenes

- OpenURL
 - LibraryFind utilizes OpenURL to accomplish its two click workflow (search => get)
 - OpenURL resolution works two ways:
 - Utilizing LF's build-in OpenURL resolver (requires coverage information to be managed within the application)
 - Utilizing an externally supported OpenURL resolver (coverage information is managed remotely)

LibraryFind – Behind the scenes

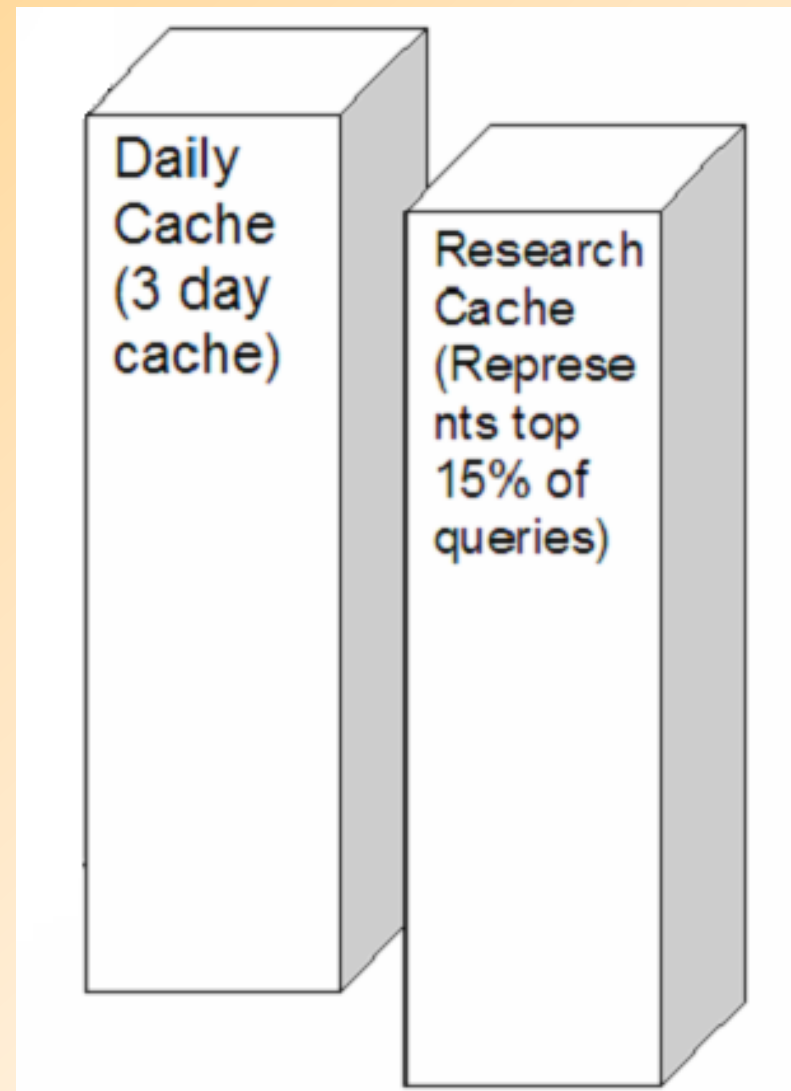
- Harvester/Indexer
 - LibraryFind has the ability to harvest
 - OAI & MARC repositories
 - incremental harvests

LibraryFind – Behind the scenes

- Federated Search tool
- Utilizes a metadata-based knowledge-base system
- Allows for the use of abstract connection classes rather than hardcoded connectors
- Makes adding new resources and sharing the knowledge-base with other institutions possible

LibraryFind – Behind the scenes

- Caching System Infrastructure



LF Technologies

- Ruby on Rails
- MySQL
- Lucene (Ferret)
- web services (REST, SOAP/WSDL)

Protocols

- Z39.50 / SRU / SRW
- OAI-PMH
- OpenSearch
- SOAP / WSDL
- COinS

LibraryFind UI

- Template-based UI generation
 - Utilizes Rails model
 - views/layouts templates helpers etc.
- language files (for UI I18 support)
 - (todo – support for I18 searches on all protocols)

Default Templates

- 2 default templates
 - General template (mixes articles/images)
 - Image template (for image view)

Image Template

LibraryFind: retrieve_page - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://apollo.library.oregonstate.edu:3001/record/retrieve_page?filter=material_type%3Aimage&mode=advanced&query%5Bmax%5D=25&cor Live Search

Firefox Help Firefox Support Plug-in FAQ http://libfind-current... LibraryFind: search Harry Potter and the ...

LibraryFind® linus pauling Find It! Advanced Search

My Saved Items Admin Log Out Help Report a Problem

Advanced search results for: 'linus pauling' > 'image'


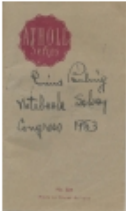



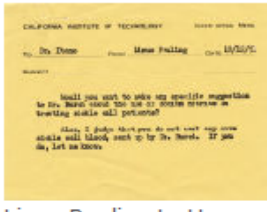
Refine Results

Material Types
[Unfilter Material Types](#)

Subjects
Pauling, Linus, 1901- (24 results)
Pauling, Linus, 1901 (10 results)
Certificates (7 results)
Correspondence (7 results)
Chemical models (6 results)
Chemistry (5 results)
Degrees, Academic (5 results)
Pauling, Linus, 1901- -- Correspondence (5 results)
Sickle cell anemia (5 results)
Pauling, Ava Helen (4 results)
[\[More Subjects...\]](#)

Authors
Pauling, Linus, 1901- Linus Pauling (30 results)
Pauling, Linus, 1901- (14 results)

Results 1 - 12 of 110 hits Sort by: Relevance

 <p>Linus Pauling reflecting on Mirsky and DNA Chemists -- Biography; Pauling, Linus, 1901 Citation Save This Item</p>	 <p>Linus Pauling's pocket diary, "Linus Pauling Notebook, Solvay Congress, 1953 DNA -- Congresses; Proteins -- Congresses 03, 0908 Citation Save This Item</p>	 <p>Linus Pauling's correspondence to Francis Crick and his reply, Sept. 1952 Chemical bonds 03, 0909 Citation Save This Item</p>
 <p>Linus Pauling's correspondence to Max Delbruck, April 20, 1953 Pauling, Linus, 1901- -- Correspondence</p>	 <p>Linus Pauling's correspondence to Jerry Donohue, Dec. 23, 1952 Chemical bonds; Chemical structure; Pauling, Linus, 1901- --</p>	 <p>Linus Pauling to Harvey Itano interoffice memo Sickle cell anemia FEB 01, 2005</p>

Done

zotero

Mixed Template

The screenshot displays the LibraryFind web application interface within a Mozilla Firefox browser window. The browser's address bar shows the URL: `http://apollo.library.oregonstate.edu:3001/record/finish_search?filter=&mode=advanced&query%5Bmax%5D=25&query%5Bstart%5D=0&que`. The LibraryFind logo is visible in the top left, followed by a search bar containing the text "linus pauling" and a "Find It!" button. To the right of the search bar are links for "My Saved Items", "Admin", "Log Out", "Help", and "Report a Problem".

The main content area displays "Advanced search results for: 'linus pauling'". On the left side, there is a "Refine Results" sidebar with the following categories and counts:

- Material Types**
 - Articles (57 results)
 - Books (25 results)
 - Images (104 results)
- Subjects**
 - Pauling, Linus, 1901- (24 results)
 - Pauling, Linus, 1901 (10 results)
 - Certificates (7 results)
 - Chemistry (7 results)
 - Correspondence (7 results)
 - Chemical models (6 results)
 - Pauling, Linus, 1901- -- Correspondence (5 results)
 - Degrees, Academic (5 results)
 - Sickle cell anemia (5 results)
 - Pauling, Linus, 1901-1994 (4 results)
 - [More Subjects...]
- Authors**
 - Pauling, Linus, 1901- Linus Pauling (30 results)

The main results area shows "Results 1 - 10 of 2046 hits" and a "Sort by: Relevance" dropdown menu. The first result is an image titled "Linus Pauling to Millikan" with a thumbnail showing a handwritten letter. The description for this image is: "Pauling, Linus, 1901-; Linus Pauling | Pauling, Linus, 1901-; Correspondence; Hemoglobinopathy; Hemoglobin -- Structure JAN 31, 2005 Linus Pauling to Millikan Citation Save This Item".

The second result is a book titled "Linus Pauling on science and peace; the Nobel peace prize lecture. With an" with a call number "UF767 .P3". The description is: "Pauling | Nuclear weapons Testing.; Peace 1964 Center for the Study of Democratic Institutions Citation Save This Item more from 'Oregon State University Library Catalog'".

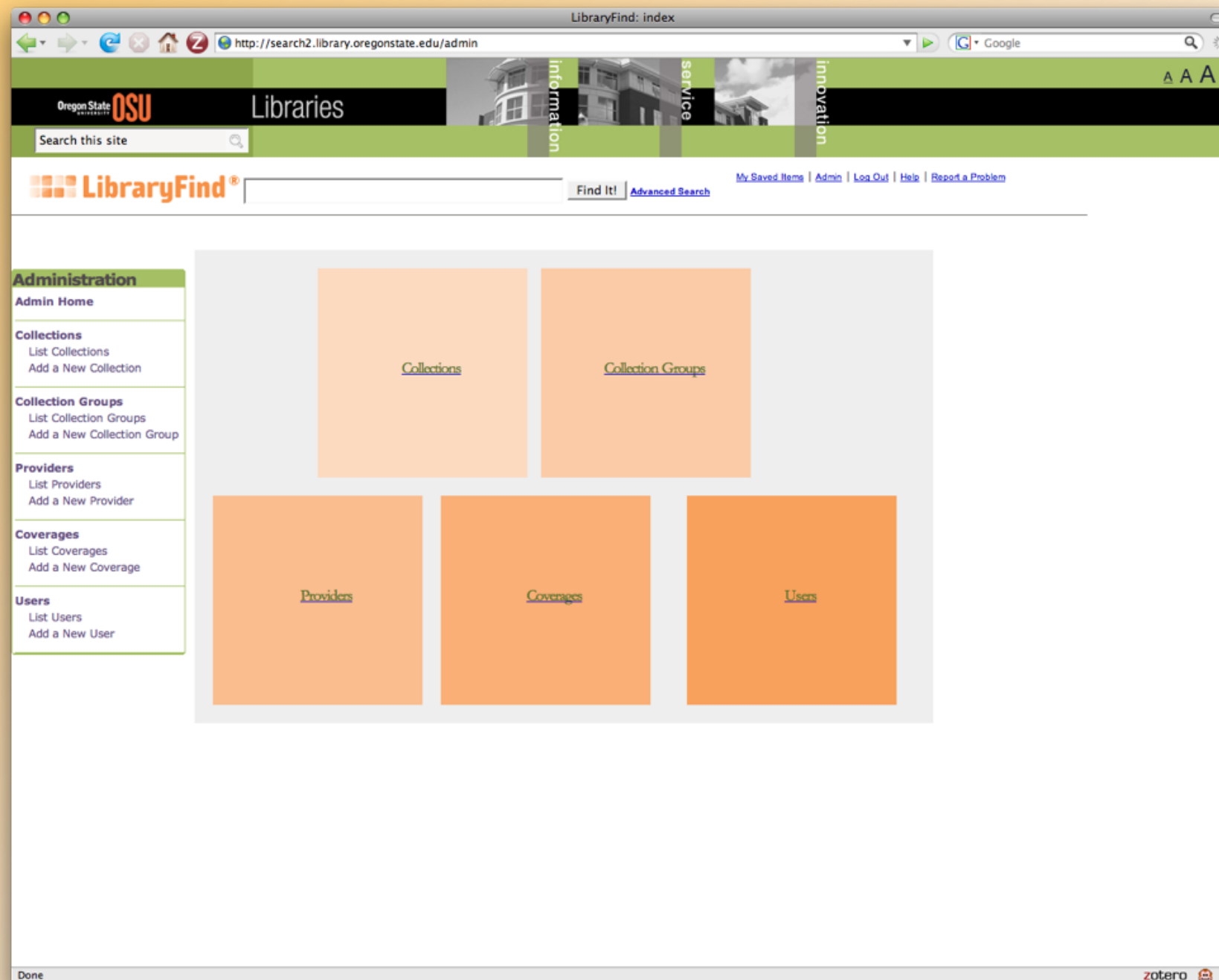
The third result is a book titled "Introduction to quantum mechanics, with applications to chemistry, by Linus" with a call number "QC174.12 .P2". The description is: "Pauling | Quantum theory.; Wave mechanics 1935 McGraw-Hill book company Citation Save This Item more from 'Oregon State University Library Catalog'".

The bottom of the browser window shows a status bar with the text "Transferring data from digitalcollections.library.oregonstate.edu..." and a Zotero icon.

Oregon State
UNIVERSITY

LibraryFind®

Admin UI



Alt name	Name	Record schema			
100 years of Oregon State Baseball	baseball	oai_dc	Edit	Destroy	Test Connection
1964 Corvallis Flood	corflood64	oai_dc	Edit	Destroy	Test Connection
AgeLine	aarp	MARC21	Edit	Destroy	Test Connection
Aquatic Sciences & Fisheries Abstracts	aquclust-set-c	SUTRS	Edit	Destroy	Test Connection
Archives	archives	oai_dc	Edit	Destroy	Test Connection
Art Index	ARTIN	MARC21	Edit	Destroy	Test Connection
BeachBooks	beachbooks	MARC21	Edit	Destroy	Test Connection
Bioresource Research	hdl_1957_456	oai_dc	Edit	Destroy	Test Connection
BIOSIS Preview <1990-2003>	b3ol	MARC21	Edit	Destroy	Test Connection
Braceros in Oregon Photograph Collection	bracero	oai_dc	Edit	Destroy	Test Connection
Cooperative Institutional Research Program Reports	hdl_1957_957	oai_dc	Edit	Destroy	Test Connection
Course Materials (BEE)	hdl_1957_497	oai_dc	Edit	Destroy	Test Connection
DNA	dna	oai_dc	Edit	Destroy	Test Connection
EBSCOHost Academic Search Premier	aph	Marc21	Edit	Destroy	Test Connection
EBSCOHost AGRICOLA	agr	Marc21	Edit	Destroy	Test Connection
EBSCOHost American Humanities Index	hhh	Marc21	Edit	Destroy	Test Connection
EBSCOHost Business Source Premier	buh	Marc21	Edit	Destroy	Test Connection
EBSCOHost CINAHL	cin20	Marc21	Edit	Destroy	Test Connection
EBSCOHost Clinical Pharmacology	czh	Marc21	Edit	Destroy	Test Connection
EBSCOHost Communication & Mass Media Complete	ufh	Marc21	Edit	Destroy	Test Connection

[Next page](#)

[Admin Home](#)

[List Collections](#)
[Add a New Collection](#)

[List Collection Groups](#)
[Add a New Collection Group](#)

- List Providers
- Add a New Provider

[List Coverages](#)
[Add a New Coverage](#)

- List Users
- Add a New User

LibraryFind: show

http://search2.library.oregonstate.edu/admin/collection_group/show/66

Getting Started Latest Headlines

Oregon State **OSU** Libraries

Search this site

LibraryFind®

Find It! Advanced Search

[My Saved Items](#) | [Admin](#) | [Log Out](#) | [Help](#)

Collection Group

Full name:	Education
Name:	Education
Description:	

[Edit](#)

Collections in this Group

- [EBSCOHost AGRICOLA](#)
- [EBSCOHost Academic Search Premier](#)
- [EBSCOHost Business Source Premier](#)
- [EBSCOHost ERIC](#)
- [Education FullTEXT](#)
- [Linguistic & Language Behavior Abstracts](#)
- [PsycINFO <1872-2004>](#)
- [Social Services Abstracts](#)
- [Sociological Abstracts](#)

Administration
Admin Home
Collections
List Collections
Add a New Collection
Collection Groups
List Collection Groups
Add a New Collection Group
Providers
List Providers
Add a New Provider
Coverages
List Coverages
Add a New Coverage
Users
List Users
Add a New User

Done

LibraryFind: edit - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://apollo.library.oregonstate.edu:3001/admin/collection/edit/123

Firefox Help Firefox Support Plug-in FAQ http://libfind-current... LibraryFind: search Harry Potter and the ...

Edit Collection

Administration

- Admin Home
- Collections
 - List Collections
 - Add a New Collection
- Collection Groups
 - List Collection Groups
 - Add a New Collection Group
- Providers
 - List Providers
 - Add a New Provider
- Coverages
 - List Coverages
 - Add a New Coverage
- Users
 - List Users
 - Add a New User

Name:
help for collection name here

e.g. example collection name here

Alternate Name:
help for collection alt name here

e.g. example collection alt name here

Connection Type:
help for collection connection type
☒ Z39.50 ☐ OAI-PMH ☐ Open Search
e.g. for collection connection type

☐ Advanced Keyword Searching

Host:
help for collection host here

e.g. example collection host here

User:
help for collection user here

e.g. example collection user here

Password:
help for collection password here

e.g. example collection password here

Record Schema:
help for collection record_schema here

e.g. example collection record_schema here

Definition:
help for collection Definition here

e.g. example collection Definition here

URL:

Done

zotero

Challenges

- Ruby
 - Good lack of XML support as part of the language
 - Lack of good, built in thread support
 - Installation/deployment challenges
 - Coming to grips the Ruby philosophy of making things work and then optimize (i.e., figuring out where the language still needs optimized)

Challenges

- Working with content providers
 - For OpenURL API like Serials solutions and SFX
- Article/metadata providers
 - No standard search API interfaces
 - or, the need to sign non-disclosures which may limit the ability to provide connector information as part of the project

Challenges

- Building and maintaining the connector knowledge-base
- Both for OSU and users wanting to use LibraryFind
- Building and maintaining the OpenURL server components/database
- Finding ways to work closer with groups like Serials Solutions, EbscoHost, SFX, etc.