LibraryFind
Better Discovery. Easy Delivery.
LibraryFind Vision

• Universal platform for scholarly activity
• Better discovery
• Easy delivery
• Open source, easily adoptable
• Extensible
BA 590: New Product Development

Course Instructor
Name: Kevin Malkewitz
Ask the Instructor: Email!
Office Location: 410 Bexell Hall
Instructor's Website

LibraryFind Search for Business
Enter keywords
Go
**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 questions.

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
Citation  Save This Item  more from 'Oregon State University Library Catalog'


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'


Call Number: TD883.1.B7 1966
American Association for the Advancement of Science | Agriculture.; Pollubon 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 '55.'
Citation  Save This Item  more from 'Oregon State University Library Catalog'

[Book] **Agriculture and the Common Market.**

**Call Number:** HD1920.A64

Andrews | Agriculture Economic aspects European Economic Community countries.;

1973  Iowa State University Press

---

[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:**
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 dpi (256 Grayscale, 24-bit Color) using Capture Perfect 3.0 on a Canon DR-9080C in TIF format.  
PDF derivative scanned at 300 dpi (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 evaportranspiration 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 Guadix 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'.

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
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
0.9 Federated Search Engine

Tracer

Query Engine

Job Queue

Listener
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)
Admin UI
<table>
<thead>
<tr>
<th>Collection Name</th>
<th>Name</th>
<th>Record Schema</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 years of Oregon State Baseball</td>
<td>baseball</td>
<td>oai_dc</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>1964 Corvallis Flood</td>
<td>corflood64</td>
<td>oai_dc</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>AgeLine</td>
<td>aarp</td>
<td>MARC21</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>Aquatic Sciences &amp; Fisheries</td>
<td>aquclust-set-c</td>
<td>SUTRS</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>Art Index</td>
<td>ARTIN</td>
<td>MARC21</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>BeachBooks</td>
<td>beachbooks</td>
<td>MARC21</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>Bioresource Research</td>
<td>hdl_1957_456</td>
<td>oai_dc</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>BIOSIS Preview &lt;1990-2003&gt;</td>
<td>b3ol</td>
<td>MARC21</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>Braceros in Oregon Photograph</td>
<td>bracero</td>
<td>MARC21</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>Cooperative Institutional Research</td>
<td>hdl_1957_957</td>
<td>oai_dc</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>Program Reports</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Materials (BEE)</td>
<td>hdl_1957_497</td>
<td>oai_dc</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>DNA</td>
<td>dna</td>
<td>oai_dc</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>EBSCOHost Academic Search Premier</td>
<td>aph</td>
<td>Marc21</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>EBSCOHost AGRICOLA</td>
<td>agr</td>
<td>Marc21</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>EBSCOHost American Humanities</td>
<td>hhh</td>
<td>Marc21</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>Index</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EBSCOHost Business Source Premier</td>
<td>buh</td>
<td>Marc21</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>EBSCOHost CINAHL</td>
<td>cin20</td>
<td>Marc21</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>EBSCOHost Clinical Pharmacology</td>
<td>czh</td>
<td>Marc21</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
<tr>
<td>EBSCOHost Communication &amp; Mass Media Complete</td>
<td>ufh</td>
<td>Marc21</td>
<td>Edit, Destroy, Test Connection</td>
</tr>
</tbody>
</table>
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.