

Developing E-Journals

Project's Original Goals

- Streamline resource management and increase e-journals holdings.
- Link to e-journals via subscription, full-text databases, and for free.
- Add, update, and delete e-journals holdings via online forms so web page immediately reflects changes.
- Create system flexible enough to handle e-textbooks and databases as well as e-journals.

Interdepartmental Collaboration

- Reference Librarian designed database and initial interface while working through ColdFusion courses.
- Serials Librarian advised on fields to include and information useful for tracking.
- Electronic Resources Librarian negotiated and tracked licenses and availability.
- Web Librarian improved user interface and data tracking.
- Electronic Resources Committee provided guidance and feedback.

Questions during development

- How much full-text should be available for us to link to it?
 - ➔ At least one year.
- Is one source (i.e. Ovid, Publisher) preferred over another?
 - ➔ No; link to everything available even if multiple sources are available.
- How do we link to journals 'buried' in databases?
 - ➔ Link to top page and provide search tips.
- Should we link to journals that provide full-text of archives only? Rolling availability?
 - ➔ As project developed, we expanded from 'through present' journals to include those with archives only and rolling issue availability.
- How should we handle websites that provide a username/password for access?
 - ➔ E-Journals links only to publicly accessible or IP-verified titles.
- How to integrate with online catalog?
 - ➔ Provide link from catalog to e-journals page but don't track details of access in catalog.

Project Outcomes

- E-journals available increased from under 100 to over 800 over 12 month period.
- E-texts web page is now generated from same database.
- E-journals and e-texts managed via web forms.
- Updates, additions, and deletions to holdings available immediately to clients.
- Resource extremely popular with clients.

E-Journals webpage.

E-Resources Access database.

Tables for titles and access options.

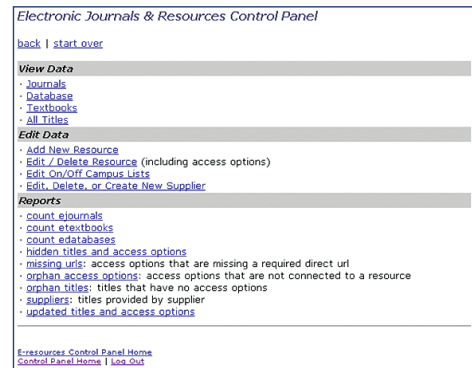
E-Journals – Toward Expanded Access and Efficient Data Tracking

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Managing the Database

E-Journals Selection Criteria

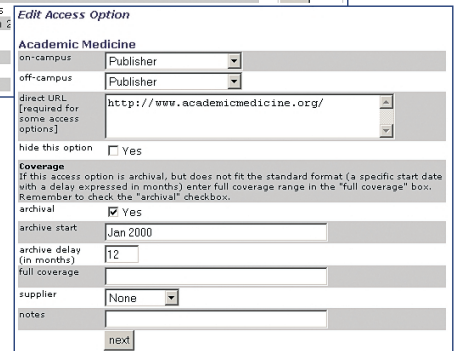
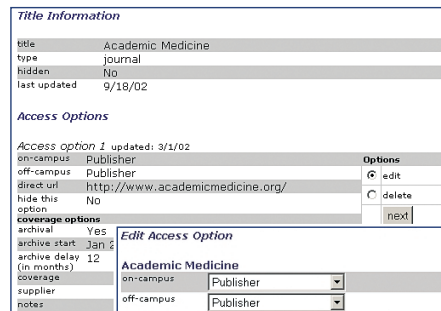
- Available in electronic format on WWW.
- Title must be indexed in MEDLINE, CINAHL, or PsycINFO.
- Must be freely available on WWW or through IP-verified system.
- Title may be available for direct linking to list of issues:
 - o Publisher
 - o Ovid
 - o Ingenta/Catchword
 - o Science Direct
- Title may be available as part of a database:
 - o MDConsult
 - o Proquest
 - o LEXIS/NEXIS Universe
- Online content must closely reflect print edition.



Electronic Journals and Resources Control Panel.

One Problem: The Date Debacle

- Coverage dates not initially tracked.
- As e-journals exploded, coverage dates became vital.
 - JAMA via Publisher available 1997-Present
 - JAMA via Ovid available 1993-Present
 - JAMA via ProQuest available 1991-Present
- Decision points: Improved access and usability versus huge data entry project and ongoing data tracking.
- Additional issues: current issues versus archives only, 'rolling' issue availability (ex. most recent 12 months), standard format for dates.
- Process: Librarians checked date availability during free moments on Reference Desk over approximately 4-week period. Data entry completed by Electronic Resources Librarian to ensure consistent formatting.
- Outcome: not as difficult to manage as initially believed and of great value to our clients.



Editing a record.

Maintaining the Database

- All e-journals links checked 4 times per year by library assistant.
- Problem links reported periodically by clients and library staff.
- Access options can be 'hidden' so that record remains in database but specific access option is not viewed by clients while other access options remain visible.
- Lists of 'hidden' and new titles sent to Cataloging Librarian monthly so Library Catalog is updated.
- Lists of 'hidden' and new titles sent to Reference staff.

Report: Updated Titles and Access Options - Results

dates: 9/18/02 - 9/18/02
displaying: journal, textbook, database
sorting by: title

[updated titles](#) | [updated access options](#)

updated titles (10)	title	updated	on-campus	off campus
	Biochimica et Biophysica Acta-Proteins & Proteomics [journal]	9/3/02 - 12:51 pm	Publisher	No off-campus access
	IJOG: An International Journal of Obstetrics & Gynaecology [journal]	9/3/02 - 12:54 pm	Publisher	No off-campus access
	Encyclopedia of Life Sciences [textbook]	9/4/02 - 11:50 am	Publisher	Aladin
	Image: Journal of Nursing Scholarship [journal]	9/29/02 - 3:49 pm	Ovid	Ovid
	IJOGN: Journal of Obstetric, Gynecologic & Neonatal Nursing [journal]	8/28/02 - 11:27 am	Ovid	Ovid
	Journal of Bone and Joint Surgery [British]	9/3/02 - 9:05 am	Ingenta/Catchword	No

Report on recently updated titles.

Tracking our Progress

Design Evolution

- Started as static html page; cumbersome to update.
- Once in ColdFusion format, moved from single page alphabetic list to single page per letter as number of titles exploded.
- Added search function.
- Enhanced page format and added copyright statement.
- Tracking evolved to up-to-the-moment tracking system.

tblAccessRelations : Table	
aOnID	aOffID
Clinical Textbooks	No off-campus access
Ingenta/Catchword	No off-campus access
LEXIS/NEXIS	LEXIS/NEXIS
MDConsult	MDConsult
MDConsult Direct Links	MDConsult Direct Links
Medical Campus Only	No off-campus access
Ovid	Ovid
Proquest	Proquest
Publisher	Aladin
Publisher	No off-campus access
Publisher	Publisher
Supplier	No off-campus access
Supplier	Supplier

Matched pairs for on-campus/off-campus access.

Administrative Functions

- Data entry editing: automatically checks duplicate titles, required fields, corresponding on-campus & off-campus access options.
- Data tracking: terms used to search journals to help understand how clients use e-journals; hits per target tells us how many times a page was viewed and how many times a particular journal link was used; and unique referrers (i.e. where users are coming from).
- Computes rolling archives: ColdFusion script determines availability by automatically translating a number (ex. 6 month delay) into month name when page is displayed.
- Database flexibility: designed to track and display e-texts (already in use) and databases (prototype ready).

Resource Usage: Tracking

[back](#) | [start over](#)

select source: e-journals (tracking began 7/2) e-textbooks (tracking began 9/2) e-databases (not used) Internet resource

type of report: query string (referrers) total hits hits per target search terms unique referrers

limit: all GWUMC Non-GWUMC Spiders

start date: 8/1/02
end date: 8/31/02
[next](#)

Electronic Journals: Query string limits: all
dates: 8/1/02 to 8/31/02
Results: 25

count	query string
2226	home page
540	t=C
244	t=C
244	t=N
160	t=A
153	t=P
139	t=B
101	t=E
101	t=S
100	t=M
94	t=I
81	t=H

Electronic Journals: Hits per target limits: all
dates: 8/1/02 to 8/31/02
Results: 546

click resource ID to view resource details - opens in a new window

count	resource id	target
97	243	http://gateway.ovid.com/ovidwe
62	243	http://www.aladin.wrlc.org/
48	107	http://jama.ama-assn.org/
42	235	http://proquest.umi.com/pgdwe
40	107	http://www.aladin.wrlc.org/
37	198	http://www.cell.com
36	250	http://www.pnas.org/
34	139	http://www.aladin.wrlc.org/
34	723	http://www.jbc.org
30	107	http://gateway.ovid.com/ovidwe

Electronic Journals: Searches limits: all
dates: 8/1/02 to 8/31/02
Results: 238

count	number of results	search string
21	3	jama
14	0	current opinion in pediatrics
14	1	journal of family practice
3	63	ENT
3	2	nephrology
3	0	nural
3	26	science
3	15	surgery
2	4	American Family

Administrative reports.

Data Editing

- One title can have multiple access options.
- On-campus and off-campus options must be selected as matching pairs as set in database.
- Coverage can be full (ex. September 1997 – Present) or archival (Oct 1997 - Sep 2001).
- If coverage is archival and follows pattern with specific start date and rolling updates, enter the number of months delayed.

Future Enhancements

- Add list of top 5 e-journals to Library homepage, updated weekly.
- Merge search function to search all resource types.
- Generate databases page from same database.
- Add subject/category headings.
- Brief description of resources.
- Indicate format provided (HTML w/ images, HTML w/out images, PDF, etc.).
- Additional integration with MEDLINE and other databases.

top 5 e-journals	
on-campus	off-campus
American Journal of Public Health	
Publisher	Proquest
Proquest	Proquest
Ovid	Ovid
JAMA	
Proquest	Proquest
Publisher	...
Ovid	Ovid
Lancet	
Proquest	Proquest
Ovid	Ovid
New England Journal of Medicine	
Ovid	Ovid
Science	
Publisher	...
Ovid	Ovid

Top 5 E-Journals.