

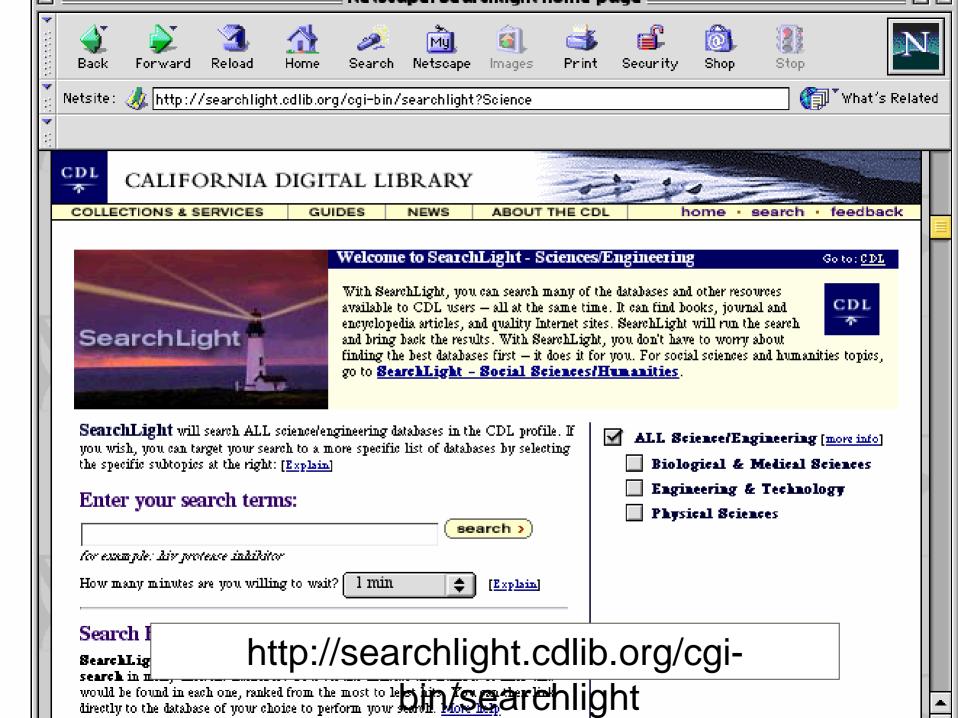
Metasearching Lessons

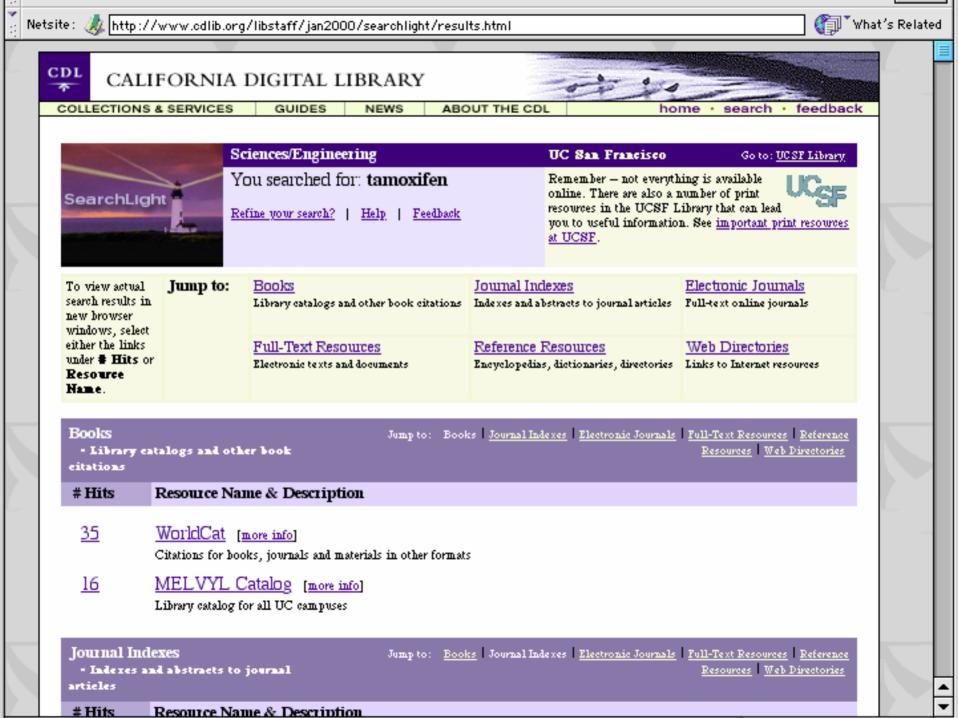
from the California Digital Library

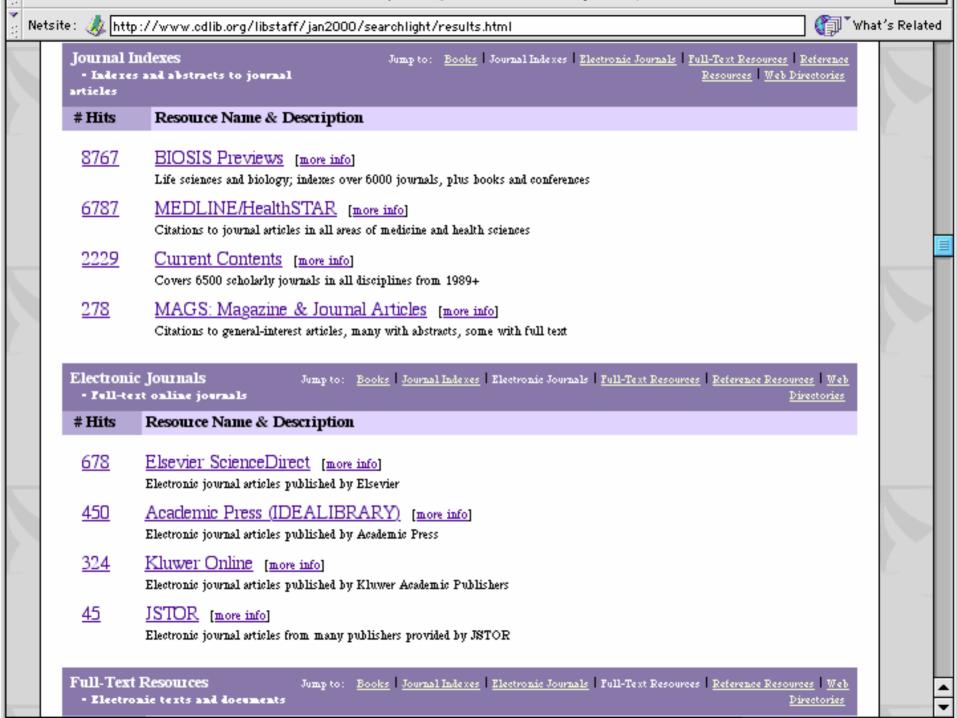
Roy Tennant
California Digital Library

Metasearching at CDL: A Brief History

- 1997, UC San Diego creates Database Advisor
- 1999, CDL decides to create a metasearch tool based on DBA, to be called SearchLight
- 2000, SearchLight is launched







Metasearching at CDL: A Brief History

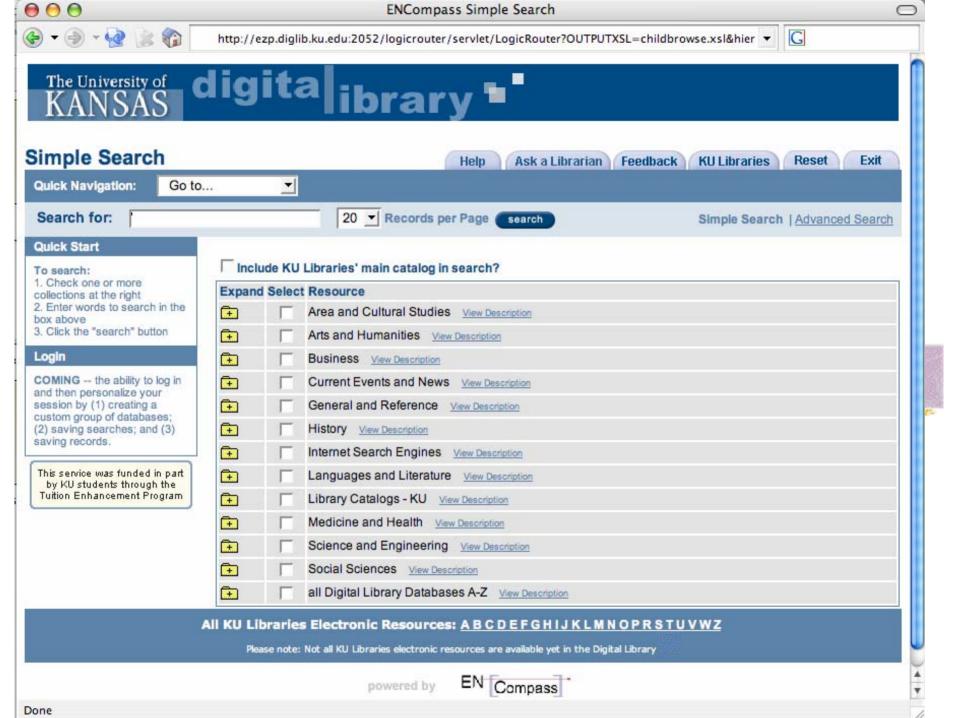
- 2001-3, CDL looks beyond the limitations of the SearchLight service
- 2002-3, Commercial products become viable
- 2003, CDL Metasearch Infrastructure Project formally launched

Lessons from SearchLight

- Metasearching is worth doing (it's what many users want)
- For a large research library, metasearching is best focused on particular needs or subject areas (the "drinking from a firehose" problem)
- Not all databases are created equal (e.g., we need a way to focus on core databases, or have results from core databases ranked higher than others)
- Focusing on specific audiences or needs

 provides an opportunity to expand service

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Saved Records

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Г	Academic Search Elite	General information from journals, magazines, and newspapers in all subject areas.	1984 - present; fulltext, 1990 - present.	Partial	0							
Г	AccuNet/AP Photo Archive	News photos from the 1840's to today are covered. this resource is updated continuously.	1840's - present	Partial	0							
Г	American National Biography Online	Profiles of 18,000+ men and women who have influenced American history and culture.	colonial-present	Partial	0							
Г	ArticleFirst	Business, Humanities, Medicine, Popular Culture, Science, Social Science, Technology.	1990 - present	Partial	0							
	Biography Resource Center	Worldwide coverage of past and present noteworthy people. Narrative biographies, key facts, selected articles, and more.		Partial	0							
Г	Ethnic NewsWatch	The ethnic, minority, and native press in America.	1985 - present	Partial	0							
Г	Funk and Wagnall's New World Encyclopedia	General Encyclopedia.		Partial	0							
	Informe (English)	Hispanic reference material covering cultural and lifestyle issues, health and parenting, entertainment, politics and current events.	1996 - present	Partial	0							
Г	JSTOR - The Scholarly Journal Archive	Electronic access to older scholarly journals.	Varies	Partial	0							
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Done

working papers journals books

policy briefs

case studies

course packs

schedule of events maps/country data

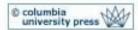
site index

about reviews

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access help



CIAO Focus, January 2004: India and Pakistan

This month's meeting between the leaders of India and Pakistan has renewed hopes that a real and lasting peace can be made between the two nuclear powers. Prime Minister Atal Behari Vajpayee and Pakistani President Pervez Musharraf put forth a new initiative aimed at normalization of relations. In a sentiment echoed by Musharraf, Vajpayee called for a bold transition. "We have to change South Asia's image and its standing in the world," Vajpayee said. The dispute over Kashmir, which has sparked two of their three previous wars, remains a major stumbling block. Separatist violence continues to be on the rise in Kashmir, with over a dozen people killed in December despite a truce. The recent rapprochement has been greeted with optimism by the world community.



Finding a Kashmir Settlement: The Burden of Leadership

The Start of a Beautiful Friendship? The United States and India

Is South Asian Nuclear Politics Different?

Some Cooperative Initiatives for India-Pakistan Dialogue and Risk Reduction

Why India Went Nuclear

Politics in Pakistan Post-September 11, 2001

Outside Links:

United Nations Military Observer Group in India and Pakistan



Map of Kashmir Region



featured content

The National Academy of Public Administration

Asia Society

CIAO Atlas Pages on India

CIAO Atlas Pages on Pakistan

Principles

- Metesearching is a tool that is appropriate for some tasks, but not for others
- Only librarians like to search, everyone else likes to find
- All things being equal, one place to search is better than two or more





Principles

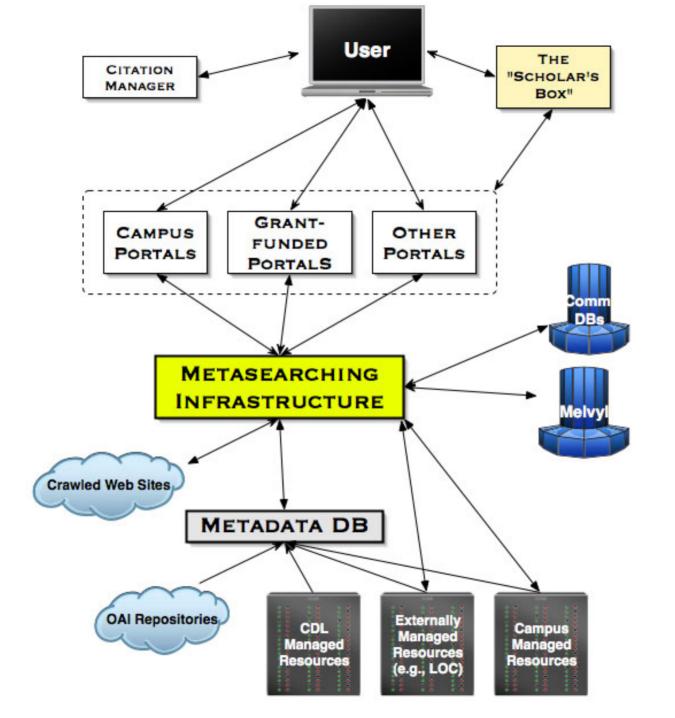
- The size of the result set isn't as important as how the results are displayed (the Google lesson)
- Our ability to create effective one-stop searching is dependent on our ability to appropriately target user needs
- Services should be placed as close to the user as possible



Building a Metasearch Infrastructure

- Goal: to build a reference implementation that allows us to "eat our own dog food" while providing:
 - An implementation for campuses that don't want to mess with it
 - An easy-to-modify set of templates for those who do
- Requirements: shared resource descriptions, templates, implementation Guidelihes, etc. DIGITAL LIBRARY















http://www.cdlib.org/inside/projects/metasearch/







Melvyl Diglet ono uno una Registry at UIUC (...





Inside CDL | CDL Home | Search | Contact th

Collection Development **Process**

Collections

Projects, Programs & Services

Committees & Groups

Digital Library Building Blocks

Instructional Materials

Assessment

News & Events

Report a Problem

Contact the CDL

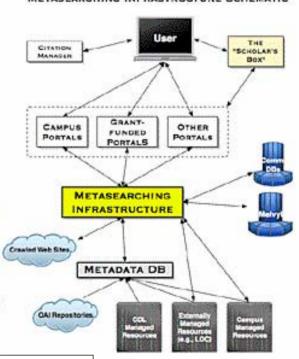
Projects, Programs & Services

The Metasearch Infrastructure Project

The Metasearch Infrastructure Project aims to create an infrastructure that can be used by campus libraries and CDL to tailor search portals to particular user needs. Metasearching has also been called "cross-database searching" and "federated searching". This infrastructure would replace the existing SearchLight service with a "family" of portals aimed at particular audiences and needs. Based on a thorough review of the marketplace, we are presently working to acquire a commercial product by first quarter 2004. Contact Roy Tennant for more information.

Our vision of how this tool could be deployed within the university information environment is depicted in the diagram to the right (click on it for a larger version). The "Scholar's Box" refers to a tool being

METASEARCHING INFRASTRUCTURE SCHEMATIC



Fire Terriery, NY Dec 2003

www.cdlib.org/inside/projects/metasear

e as a resource for university faculty, K-12 teachers, and others to use to create learning objects, exhibitions, and other types of products based on selected and



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Services

Research

EZArticleFinder Search less. find more...

Author

No

More search options

Giant squid

Search tips
Search

Search for giant squid found 60 results. 1-50 of 60 records retrieved.

Title

Best bets for finding articles related to giant squid

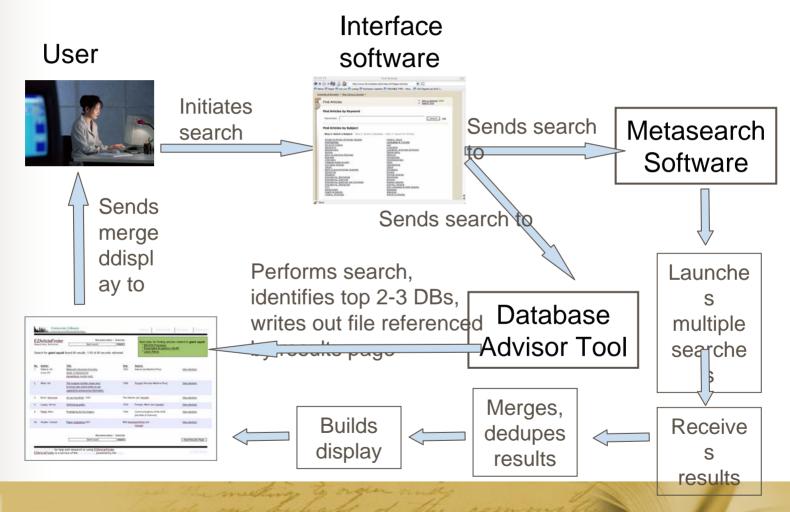
- * BIOSIS Previews
- * Expanded Academic ASAP
- * Lexis-Nexis

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No.	Author	Title	_	Year	Source	
1.	Watson JD;	Molecular structure of nucleic		1953	Nature [via Medline Plus]	View abstract
	Crick, FH	acids. A structure for				
		deoxyribose nucleic acid.				
2.	Miller GA	The magical number seven plus	1956	Psych	nol Rev [via Medline Plus]	View abstract
		or minus two: some limits on our				
		capacity for processing information.				
3.	Bush, Vannevar	As we may think	1945	The A	Atlantic [via Google]	View abstract
4.	Lovins, Amory	Soft energy paths	1976	Forei	gn Affairs [via Google]	View abstract
5.	Rettig, Marc	Prototyping for tiny fingers	1994		nunications of the ACM	View abstract
				[via W	Veb of Science]	
50.	Snyder, Carolyn	Paper protoyping	2001		developerWorks [via	View abstract
				Goog	le]	
						Next Results Page

Ask a Librarian for help with research or using EZArticleFinder. EZArticleFinder is a service of the UC Libraries, powered by the CDL.

Database Advisor Service





CALIFORNIA DIGITAL LIBRARY

Plenty of Problems to Go Around

- Database Vendor Issues
- Software Provider Issues
- Library Issues
- User Issues

Database Provider Issues (the short list)

- Access control (robust authentication and authorization)
- Load
- Inappropriate searches (searching databases that don't apply)
- Branding and "unfair" deduping



Software Provider Issues (the short list)

- Access management
- Search mapping
- Unreliability of targets
- Systems that don't support an API (that must be screen-scraped)
- Inadequate result data for good:
 - Deduping
 - Ranking



Library Issues (the short list)

- Selecting the right system
- Cost (both upfront and ongoing)
- System design and implementation
- System maintenance
 - Ability to add new resources/targets
 - Ease of interface changes and upgrades
- System inadequacies (e.g., ranking)



User Issues (the short list)

- What must I go through before hitting the search button?
- How difficult is it to review results?
- Are results ranked by relevance? (that will be my assumption)
- Will I get buried? (too many sources, too many results?)
- Do I have methods to easily focus in on what I want?
- Once I find what I want, can I get to the full-text

 With a Click?

 Can I copy a citation and put it in my paper?

Challenges

- Software still needs improvement (understatement)
- Some databases are still not searchable
- How do we create an infrastructure that is easy to deploy for a variety of purposes and/or audiences?
- We can learn from other systems (e.g., redlightgreen)?
- Standards are on the way (e.g., NISO), but many of using that qould have a solutions now

Metasearching Today & Tomorrow

- Today:
 - One-stop shopping
 - Broad subject categories with many databases each
 - Not integrated with any other system (e.g., course management systems)
- Tomorrow:
 - Tailored portals for specific user needs or topic areas
 - Targets created by libraries for specific purposes (e.g., focused crawling of web sites, harvesting of
 - C Arenositories I A D I G I T A L L I B R A R Y

