21st century library: The preferred starting point for serious research?

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Once upon a time
Searches was for experts
And life was simple

Kemisk Institut, Aarhus Universitet

Velkommen til biblioteket

Lokal Information:

- Information om biblioteket
- Bog og tidsskriftskatalog
- Liste over tidsskrifter på Kemisk Institut
- Online Søgning - oplæsning om bøger
- Telefoni til Kemisk maskinen, adgang til Info. Kræver password

- SOL, Statsbiblioteks Online, WWW forbindelse

WWW links:

- Encyclopedia Britannica Online, kun for brugere på Aarhus Universitet
- Tidsskrifter på nettet
- Fortegnelsestilhæder: Overblik over nyheder, priser, tidsskriftsindeks
- Supplements til American Chemical Societys tidsskrifter, kun for interne brugere
- Andre biblioteker på nettet
- Uncover er en online artikelleveringsbase, en tidsskriftsindeksfortegnelse database og keyword index til mesten 17.000 tidsskrifter
- WWW database og kemisk software

Langensædegade 140, DK-8000 Aarhus C, telefon 8942 3226, fax 8619 61 99
Biblioteket åber i hvorne 07.00 til 20.00 alle steder
Fast forward to 2009 American Chemical Society Fall meeting 2009
Meet Rasmus

• MSc Eng., Materials Science and Engineering – 2008
Meet Rasmus

• MSc Eng., Materials Science and Engineering – 2008
Our answer? More and and better....
User Perception of Library Content

The superior source for quality, credible content

Preferred for academic research and course assignments
The easiest place to start the research process
I get confused and end up going in circles.

Library sources are great but internet sources are the most convenient.

If only there was a Google-like search…
Chief inhibitors to success using library resources

- Lack of awareness
- Difficulty navigating library website to locate appropriate e-resources
- Search catalog front and center, for articles
- Authentication barriers, especially considering limited access points
Compared to ...

- Simple
- Easy
- Fast
• “’Googlization is bastardization’ of the research and reference process.”

• “Is Google Making Us Stupid?”
  • http://www.theatlantic.com/doc/200807/google

• “Web 2.0: Opening up, or dumbing down? Are Google, Wikipedia, YouTube, and other Web 2.0 giants the scourge of American culture, laying waste to its 20th-century institutions and dumbing down society?”
  • http://www.physorg.com/news126453534.html
But we have Federated Search

- Good – important step
- Federated search is NOT “in its infancy”
- Connector technologies – publishers “get” it now – XML gateway standard (NISO MXG)
- Results processing advances
  - Relevancy
  - Visualization
  - Results Clustering
Issues with fed search

- Connectivity issues, timeouts, erratic results
- Distortion of usage statistics from some providers
- Problems aggregating/displaying results with varying formats and field structures
- OpenURL links sometimes fail because of this
• “Only librarians like to search; everyone else likes to find”

• “We digital library developers don't get up in the morning wondering how we can ruin the lives of our patrons. Nonetheless, unintended consequences of our work may damage the capacity of libraries to serve their clienteles”

What do our users expect?

- Simple, yet powerful interface
  - “Simplicity is complexity done well.” (Jeff Jarvis - What Would Google Do)
- Faster query time
- Consistent results
- Improved relevancy ranking
- Powerful refine tools
- Improved linking
- Format agnostic
How?

- Architecture specifically built for this
- Handle large data and deliver results fast
- Pre-harvest content into one searchable index
- Hosted service
- Constant updating to provide currency of content
- Using library holdings information to provide search results customized to your holdings
- OpenURL to link to the most appropriate copy of subscribed full text (via your own link resolver)
More Content Support

- 100+ providers supplying content so far
- 70,000+ journal and periodical titles
- 450+ million items indexed so far
- Publishers and other content providers joining the Summon service weekly
Broad Content Support

• Some of the world’s largest publishers
  • Springer, Taylor & Francis, SAGE Publications

• CrossRef
  • DOIs for superior linking

• Society publishers
  • ACM, The Institute of Physics, AMA, American Institute of Physics, Optical Society of America, American Economic Society, IET, American Institute of Physics, SIAM, ASCE, and more

• Open access content

• Major authoritative bibliographic databases
  • Web of Science, Econlit, Sociological Abstracts

• Government and NGO databases
  • GPO, Medline, ERIC, Agricola, PILOTS, TOXLINE, and OECD
Broad Support for the Summon™ Service

Latest:

Web of Science
LexisNexis
ABC-Clio
Investigating *mosquito-net* coverage in *Nigeria*. How useful are consumer marketing surveys

by Vyas, S., Hanson, K., Lines, J.

*Annals of Tropical Medicine and Public Health*

Start Page: 232

Subjects: Addictive substances, Development, Economics, Entomology, Environment, Health, Health communications

*Abstract*

A marketing company conducting a consumer omnibus survey (COS) in April 2000 was paid to include questions about household ownership of mosquito nets. At the time of the survey, which involved 5018 respondents, most and perhaps all of the nets owned by the respondents would have been untreated, as a product for net treatment was then virtually unavailable. Sampling was conducted in all 36 states and the Federal Capital Territory, Abuja. Core questions were asked about socio-demographic and socio-economic characteristics, and commissioned questions were asked about household net ownership, the source of the household’s newest net, if any, and the price paid for that net. The data were analysed using bivariate and multivariate methods. Socio-economic status was measured using an asset index. The estimated...
The new record **mosquito net**, measuring 40m x 40m x 3m, was produced by Rosies Garment, a local company as against the 2000 version made in Thailand, which...

**China Donates Mosquito Nets, Anti-Malaria Drugs to Nigeria**

Xinhua News Agency - CEIS Date: 04/2002 Start Page: 1

Under the Agreement on Economic and Technical Cooperation Between China and **Nigeria**, China is to provide **Nigeria** a 30 million yuan (about 3.5 million U...

**Nigeria sets new quality standard for anti-malaria mosquito nets**

Xinhua News Agency - CEIS Date: 02/2003 Start Page: 1

LAGOS, Feb. 9 (Xinhua) -- **Nigeria's Standards Organization of Nigeria** (SON) has approved a new quality standard for insecticide treated bednets (ITNs) as part...

**Nigeria Distributes 1.6 Million Mosquito Nets Free to Pregnant Women**
We’ve made a lot of progress, but we’ve got a ways to go . . . . .
Thank You!

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