

Opening Access to Scholarly Research

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What We'll Be Looking At

- What is Open Access?
- Why Open Access?
- Open Access Players
- Solutions?
- Initiatives That Call For Open Access
- Who Pays for Open Access?
- Developments in Alberta
- Developments in BC
- Changing Roles for Librarians
- Is Open Access Working?
- Some Final Thoughts
- Questions? Discussion?

What is Open Access?

- Access to the scientific and scholarly literature that is:
 - Online
 - Free of charge [to the reader]
 - Free of licensing restrictions [and author retains copyright]

ARL Open Access (brochure)

<http://www.createchange.org/resources/OpenAccess.pdf>

- Focus on peer-reviewed journal articles

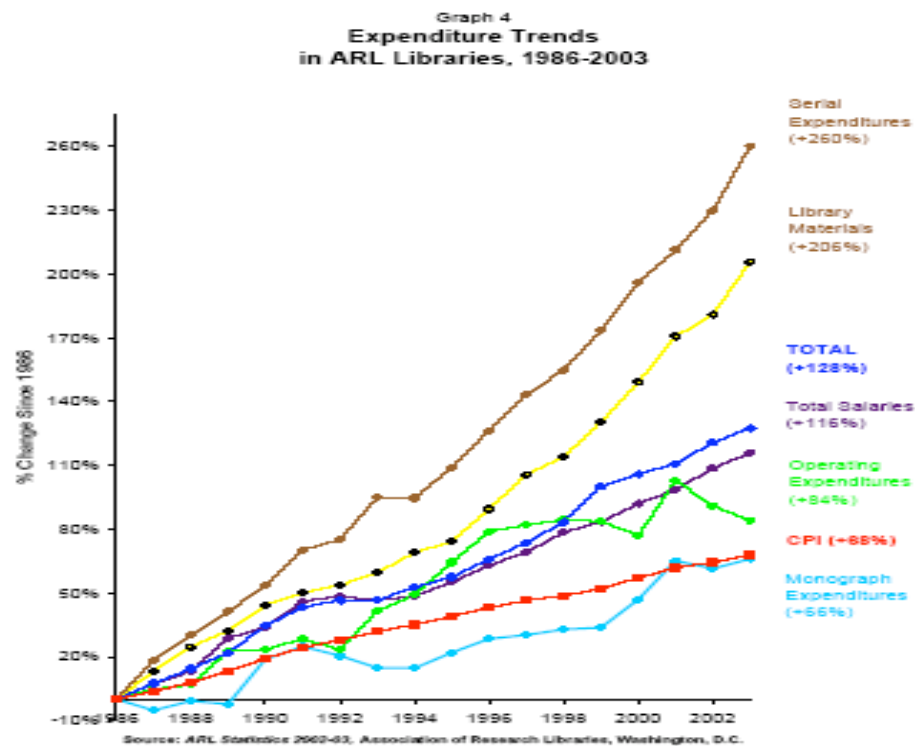
What is Open Access?

- Ideally, Open Access includes
 - Long term preservation
 - Deposit of OA works in an OA archives or repository
 - OA works that carry an explicit OA label

Why Open Access?

- Authors want to reach a larger audience, retain more control over works
- Spiralling increases in journal prices for libraries 1986-2003:
 - serial expenditures in ARL libraries increased by 260%
 - CPI increased by 68%
 - ARL libraries' operating expenditures increased by 84%

Library Expenditure Trends 1986-2003



Open Access Players

- Scholars/Researchers
- Granting Agencies
- Publishers
- Research Libraries
- Readers

Scholars/Researchers

- Write articles for scholarly journals
- Generally sign over copyright to the publisher
- Are funded by universities and granting agencies
- Are not paid directly for their articles
- Serve on journal editorial boards, generally without payment

Granting Agencies

- Fund research
- Want results
- Policies for dissemination of research findings
- Influence & power

Publishers

- Electronic journal content is licensed to libraries, but questions about ownership
- The Big Deal: electronic content is 'bundled'
- Mergers/acquisitions in commercial publishing world are increasing
- Mergers generally result in higher journal prices
- Huge profits over last two decades

Research Libraries

- Budget increases far below journal price increases
- Libraries purchasing fewer journals and fewer monographs
- ‘Bundling’ means libraries lose ability to select
- Library consortia purchasing: short-term relief

Readers

- 10-20% of US scientists
 - < 25% of all reading
 - 75% of articles published
 - employed in universities
- Substantial readership found in industry, government, national laboratories
King & Tenopir:
<http://www.nature.com/nature/focus/accessdebate/26.html>
- Public worldwide

Solutions?

- Libraries as publishers
- University presses
- Author self-archiving
- Institutional repositories
- OA publishers, e.g. PLoS, BMC
- Open Source Software Solutions
 - ICAAP, PKP, Bioline International, D-Pubs (Cornell)

Initiatives That Call For OA

- Budapest Open Access Initiative (Feb 2002)
 - <http://www.soros.org/openaccess/>
- Bethesda Statement on Open Access Publishing (June 2003)
 - <http://www.earlham.edu/~peters/fos/bethesda.htm>
- Berlin Declaration ... (Oct 2003)
 - <http://www.zim.mpg.de/openaccess-berlin/berlindeclaration.html>

Initiatives That Call For OA

- Wellcome Trust Report (Oct 2003)
 - <http://www.wellcome.ac.uk/en/scipub/index.htm>
- NIH Public Access Policy (Feb 2005)
 - <http://www.nih.gov/about/publicaccess/index.htm>
- Continuing CERN Action (Mar 2005)
 - http://threader.ecs.soton.ac.uk/archive/boaiforum/00/00/02/09a/Open_Access.pdf
- SPARC (Scholarly Publishing and Academic Resources Coalition)
 - <http://www.arl.org/sparc/>

Who Pays for Open Access?

- Input fees
 - Granting or sponsoring agencies
 - Author pays
 - Research grants
 - Institutional funds
 - Affinity relationships
- Institutional subsidies
- Publishers grant delayed open access

But...

- Who should pay institutional subsidies?
- How do we safeguard library budgets?
- Controlling costs

Is OA Publishing Financially Sustainable?

- Wellcome Trust report, April 2004
 - http://www.wellcome.ac.uk/doc_WTD003185.html
- An Evidence-Based Assessment of the ‘Author’ Pays Model (Nature Web Focus, June 2004)
 - <http://www.nature.com/nature/focus/accessdebate/26.html>
- ALPSP Study, Spring 2005
 - <http://www.alpsp.org/opennacc.htm>

Commercial Publishers Respond to OA

- Reed Elsevier
- Springer
- Oxford

Next Steps on our Whirlwind OA Tour

- Developments in Alberta and BC
- What's the librarian's role in this brave new world?

Developments in Alberta

- Institutional Repositories
- Digitization Projects
- Open Access Journals (U of C Press, ICAAP)
- Synergies

Institutional Repositories

- University of Calgary
 - D-Space
 - E-journal; theses; research group material; "body of work"; viewlets; CARL IR project

<http://www.ucalgary.ca/library/dspace/>
- University of Alberta
 - Past planning stage, operational in 2005

Digitization Projects

- University of Calgary
 - Our Future Our Past
www.ourfutureourpast.ca
 - Our Roots/Nos Racines
www.ourroots.ca
- University of Alberta
 - Peel Bibliography
<http://peel.library.ualberta.ca/>
 - Alberta Folklore and Local History Collection
<http://folklore.library.ualberta.ca/>
- Lois Hole Digital Library

Open Access Journals

- University of Calgary Press
 - All online U of C journals are OA

<http://www.uofcpress.com/Journals.html>
- International Consortium for the Advancement of Academic Publication (ICAAP) <http://www.icaap.org/>

Synergies

- National project to transform Canadian scholarly information in social sciences and humanities into digital format
- 5 partners: UNB, U de M, U of T, U of C, SFU
- Are looking for funding, investigating models (e.g. Erudit, <http://www.erudit.org/>), and developing strategies

Developments in BC

- Public Knowledge Project (Open Source Software for electronic publishing & conference management)
- Institutional Repositories
- Digital collections
- Free MARC records for open access collections

Public Knowledge Project

- Open source software
- Open Journal Systems
- Open Conference Systems
- Used for open access around the world
- Developed at UBC
- UBC / SFU partnership

<http://www.pkp.ubc.ca/>

Institutional Repositories

- Canadian Association of Research Libraries (CARL) Institutional Repository Project
 - 9 repositories, over 4,000 records
 - U of Toronto T-Space: over 3,000 records
 - U of Saskatchewan Electronic Theses and Dissertations: over 700
 - many repositories in early development

http://www.carl-abrc.ca/projects/institutional_repositories/institutional_repositories-e.html

- CARL Metadata Harvester
<http://carl-abrc-oai.lib.sfu.ca:8044/>

Institutional Repositories in B.C.

- Simon Fraser University Library
 - D-space
 - Current theses: over 150 by June
 - Example: Digital Games Research Association Conference Proceedings Summer 2005
 - Coordinates CARL Metadata Harvester
- University of British Columbia Archives
 - Internal & scholarly communications committees
- University of Victoria
 - D-space project in the works: current theses

Free Digital Collections

- University of British Columbia Archives
 - Historical photographs
 - UBC Publications

<http://www.library.ubc.ca/archives/>
- Simon Fraser University Library
 - Electronic Documents Centre

<http://edocs.lib.sfu.ca/>
- Union of BC Indian Chiefs (coming in May)
 - Photos, maps, video & audio clips

Free Digital Collections

- Vancouver Public Library Historical Photographs

<http://www.vpl.ca/branches/LibrarySquare/spe/hisphoto.html>

- New Westminster Public Library Heritage and Local History

<http://www.nwheritage.org/>

- The British Columbia Digital Library

<http://bcdlib.tc.ca/dlibs-bc.html>

Free MARC records for Open Access Journals

- MARC records for Open Access journal collections freely available courtesy of Simon Fraser University Library / COPPUL:
<http://lib-cufts.lib.sfu.ca/CUFTS/cufts2marc-list.cgi>
- List and description of open access collections
<http://www.eln.bc.ca/view.php?id=1129>

Changing Roles for Librarians - Now

- Open Access issues: education
 - ACRL Scholarly Communications Toolkit
<http://www.ala.org/ala/acrl/acrlissues/scholarlycomm/scholarlycommunicationtoolkit/toolkit.htm>
- Advising faculty on how/where to get OA journals indexed
- Encourage vendor and publisher best practices
- Promotion & awareness of resources
 - Web links
 - Add MARC records to catalogues
 - Reference & resource sharing awareness

Changing Roles for Librarians – Now or Soon

- Publishing
 - Consortium funding of OA publishing
 - Software support
 - Publishing OA journals
- Institutional repositories
 - Creation
 - Promotion
 - Metadata

Changing Roles for Librarians – Soon or Future

- Long-term preservation of OA content
- Helping design new impact measures
- Helping design better metasearch tools
- Expert searching / research librarianship
- More need for information evaluation

Is Open Access Working?

- Many OA journals have high impact factors
<http://www.isinet.com/media/presentrep/acropdf/impact-oa-journals.pdf>
- Increased number of OA journals
- Commercial publishers are starting OA journals
- Much interest in and much debate about OA

Some Final Thoughts

- Lots happening in the OA world
- Not just philosophical perspective
- Many roads to OA, many OA options
- Has had some notable success
- Shows much promise
- Is worth following and supporting in the future

Questions? Discussion?



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More Resources

- Peter Suber's Open Access Overview
<http://www.earlham.edu/~peters/fos/overview.htm>
- Peter Suber's Very Brief Introduction to Open Access
<http://www.earlham.edu/~peters/fos/brief.htm>
- The SPARC Open Access Newsletter
<http://www.earlham.edu/~peters/fos/>
- Open Access Bibliography: Liberating Scholarly Literature with E-Prints and Open Access Journals (<http://info.lib.uh.edu/cwb/oab.pdf>)
- Issues in Scholarly Communication (Georgia State University Library)
<http://www.library.gsu.edu/research/resources.asp?IdID=57&guideID=0&resourceID=1>
- Scholarly Electronic Publishing Bibliography
<http://info.lib.uh.edu/sepb/sepb.html>

More Resources

- **Bioline International** <http://www.bioline.org.br/>
BioMedCentral
<http://www.biomedcentral.com/browse/journals/>
- **Directory of Open Access Journals** <http://www.doaj.org/>
- **Highwire Press** <http://highwire.stanford.edu/lists/freeart.dtl>
- **Medknow Publications**
<http://www.eln.bc.ca/view.php?id=1127>
- **PubMedCentral** <http://www.pubmedcentral.nih.gov/>
- **Public Library of Science** <http://www.plos.org/>
- **Scielo** (Scientific Electronic Library Online)
<http://www.scielo.org/index.php?lang=en>
- **Directory of Open Access Repositories**
<http://www.openoar.org/>

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