

# 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

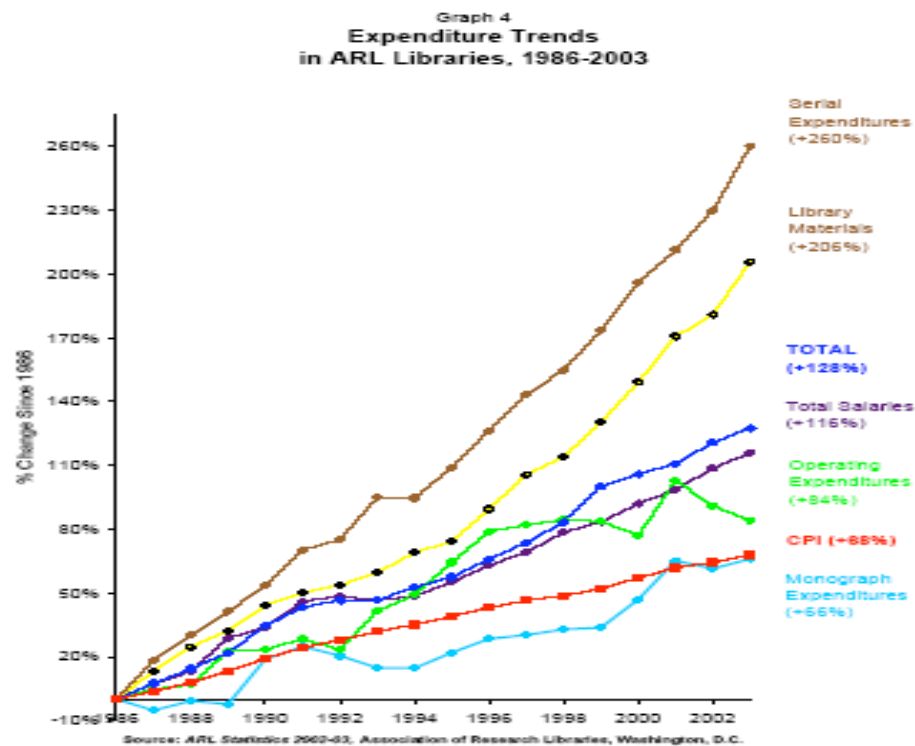
# What is Open Access?

- 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](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](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](http://www.ourfutureourpast.ca)
  - Our Roots/Nos Racines  
[www.ourroots.ca](http://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](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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