



SIMON FRASER UNIVERSITY
LIBRARY

www.lib.sfu.ca

SCIENCE AND SCHOLARLY COMMUNICATION

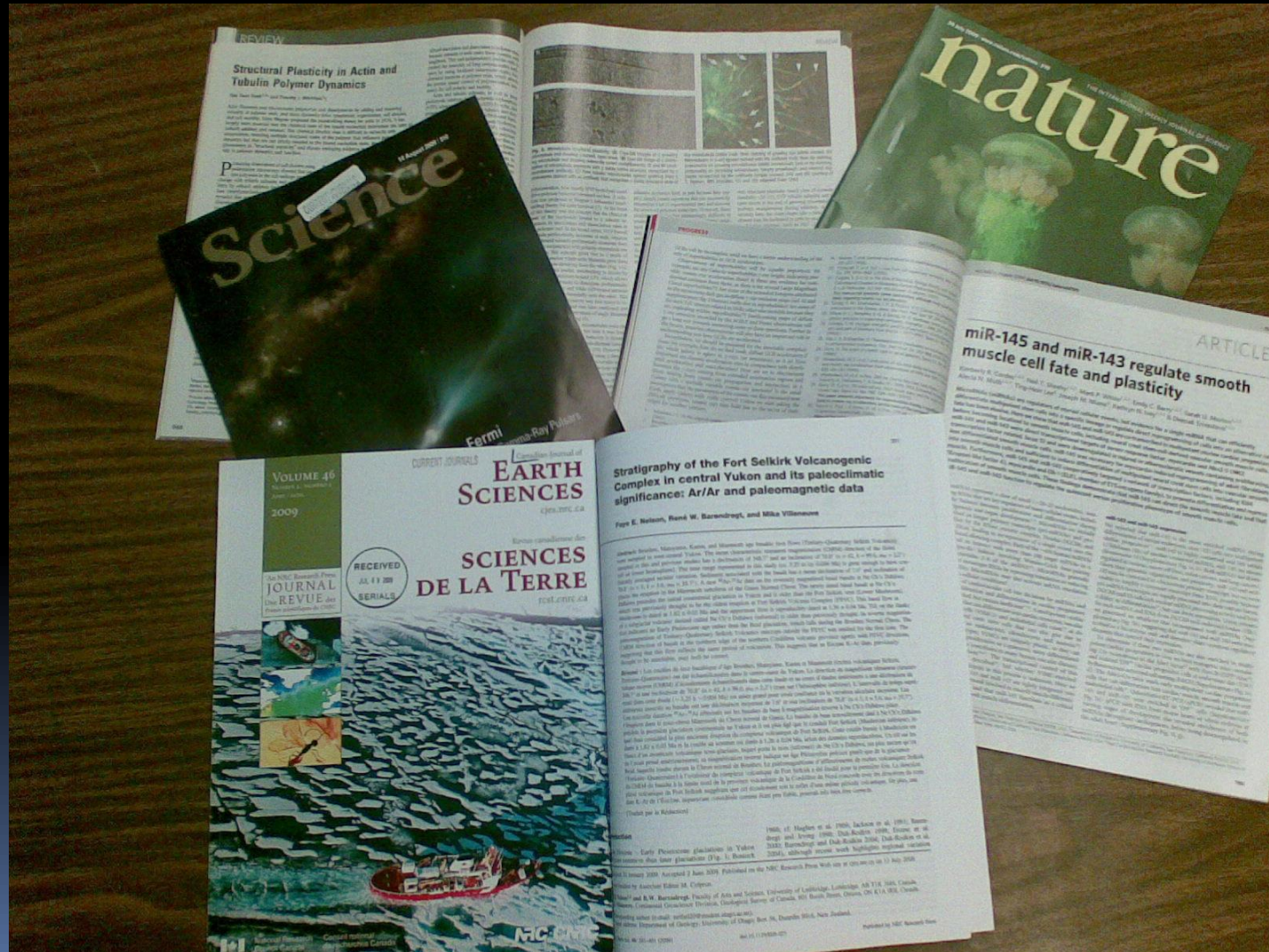
BCLA BROWSER

Academic Science librarianship

- Understanding the information needs of scientists and their information seeking behaviour.
 - Prefer electronic and it must be current.
- Scientists are competitive, technologically skilled, very busy and focused.
- Science librarians tend to focus on collections.
 - Up to 90% of library budgets for the sciences are comprised of journals and databases.
 - Science journals are expensive.

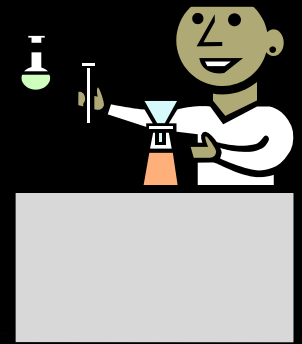


Publish or perish



Publish or perish imperatives for scientists in academia

- Legitimizes research performed in the lab.
- Promotion and tenure for faculty.
- Peer-review, impact factors, h-index.
- Science librarians need to be familiar with scholarly publishing practices and trends.



Science Librarianship evolves

- Serials pricing crisis – proliferation of journals and increasing costs
- <http://www.arl.org/bm~doc/monser06.pdf>
- Web/internet leads to electronic journals
 - Changes scholarly publishing practices and how scientists communicate and disseminate information/research.
 - Electronic pre-prints, e-prints in lieu of author reprint culture.



New developments



PKP | PUBLIC KNOWLEDGE PROJECT

Some significant alternative science communication and publishing models develop

- arXiv.org



- SPARC Alternative



- BioMedCentral (2000)



ArXiv (1991)



- A preprint culture for rapid dissemination of high energy physics research – which has expanded to cover other areas of physics.
- Paul Ginsparg, Los Alamos National Laboratory.
- Moved to Cornell University.
- Now with supported by Cornell with funds from the National Science Foundation (US).
- Not peer-reviewed.
- Many articles later eventually published in traditional journals.

SPARC Alternative

- Competition for expensive, commercially published journals
 - Organic Letters
 - Evolutionary Ecology Research
 - Journal of Machine Learning Research
 - Geometry and Topology
 - Theory and Practice of Logic Programming
 - IEEE Sensors



Commercial Open Access Publishing

- BioMed Central
 - New publishing business model
 - Commercial – for profit business
 - Author pays – APCs and memberships for libraries
 - BMC accepted by researchers as a mainstream publisher for Biology and the Medical sciences.
 - Purchased by Springer earlier this year, nothing has changed....yet.



Health and Biomedical community takes a stand

- Open Access Policy statements from public funding agencies

- NIH (2008)
- CIHR (2008)



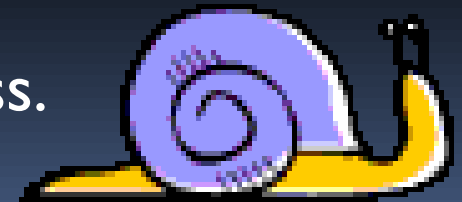
- OA policy statements from institutions

- Harvard (2008)
- MIT (2009)



Changes in scholarly publishing

- License to publish instead of full copyright transfer.
 - Self- archiving allowed.
- Some scientists are willing to pay the Article Processing Charges (APCs)
 - APCs range from \$500 - \$3500 USD depending on the journal.
 - Non-OA publishers offer authors an open access option if willing to pay the APC to make their article immediately OA.
- Scholarly publishing is still big business.
- Change takes time.



Changes in library budgets and policies

- Institutional repositories emerge.
- Libraries fund or partially fund author APCs.
 - University of Calgary Libraries Authors Fund.
- Libraries/Research Institutes negotiate APCs with online licenses to publisher content.
 - Max Planck Institute
 - University of California



Liaison Librarians role

- Raising awareness and becoming educated on issues surrounding scholarly publishing.
- Understand the issues and how it affects publishing in their liaison areas.
- Encourage authors to self-archive in the institutional repository.
- Support new academic publishing models.
 - Memberships with OA publishers.
 - Fund APCs.
- Be ready to respond to queries from faculty and students about academic publishing.

Selected Readings

- Learned Publishing
 - The journal of the Association of Learned and Professional Society Publishers (ALPSP)
- Guedon, Jean-Claude. In Oldenburg's Long Shadow : Librarians, Research Scientists, Publishers, and the Control of Scientific Publishing. *Proceedings of the 138th ARL Membership Meeting*. Toronto, Ontario. May 23 - 25, 2001.



BCLA Browser: Linking the Library Landscape

- Longtime BCLA Reporter editor retires.
- June/July 2008 is the last printed BCLA Reporter issue.
- BCLA Board decides to establish a new online only newsletter to replace the Reporter.
 - Save \$\$\$ on printing and mailing.
 - Being green.



- Open Journal Systems
 - Quickest way to go online without too much effort technically and financially.
 - Newsletter could be hosted securely and reliably by a third party.



- Why open access?
 - Technical cost and expertise would be required to restrict access to BCLA members.
 - Information Policy Resolution on OA (2004).
 - Recruitment and communication tool for BCLA.



- BCLA Editor Duties
 - Naming contest for members.
 - Registered a domain name and an ISSN.
 - Set policy (in collaboration with BCLA Board).
 - Focus and scope, publishing frequency.
 - Recruit volunteer section editors to assist with layout and editing.



- Initial journal set up in OJS
 - Details
 - Policies
 - Submissions
 - Management
 - The Look
 - Hired a graphic designer for the CSS, the header graphic and MS Word author template.
- Configuring other Journal Management details



- Editor role in OJS
 - Solicit submissions.
 - Document submission process for authors and post online.
 - Document section editor duties and distribute.
 - Respond to author and section editor queries.
 - Assign submissions and monitor the workflow.
 - Publish issues according to schedule.



BCLA Browser: Linking the Library Landscape

- OJS is a system designed for scholarly peer-review.
- Commercial publishers offer valuable editorial services (layout, design, copyediting and managing the peer-review process).
- Non-profits rely on volunteer time and dedicated members/staff to perform these editorial services.



- Relying on volunteers
 - Reduced publication frequency
 - The Browser is quarterly.
 - The Reporter published 8 times/year and practically all work done by a single person.
 - Editor
 - Section editors



BCLA Browser: Linking the Library Landscape

- Using OJS to manage much of the work
 - Recruit numerous section editors to participate.
 - Offload as much editing to the authors as reasonable - BCLA Browser word template.
- BCLA Browser becomes manageable and sustainable for the association.
- BCLA Browser being online and open access saves BCLA money.

Time for Q & A

