The Transformation of Scholarly Communication: Roles for Libraries

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Roles for Libraries

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Today’s Outline

- Introduction
- Scholarly Communication
- Library Traditional Roles
- New Models and Action Steps
  - Institutional Repositories
  - Open Access Journals, etc
- Open Educational Resources
- Discussion
Scholarly Communication

- Traditional scholarship
  - Monographs
  - Journals
- Increasing amounts of research and scholarship born in digital form
- Need to collect and preserve this material
- Invisibility of non-digital material
“payment” comes from other system/s (P&T, grants, prestige, etc.)

From Lee Van Orsdel’s “Economics” ACRL SchCom 101
Library Role in the Academy

- Library role as steward of scholarship
- Collection development
- Organize, provide access to information
- Copyright, fair use
- Information literacy
- Research assistance
- Commitment to long-term preservation
Scholarly Communication: New Models

- Institutional repositories
  - Unified open access to and preservation of the electronic collections of works of members of the institution’s community

- Open access journals
  - Journals available at no cost to end user
  - May or may not be refereed
  - Typically available in electronic format
Open Access

- Open access literature is usually defined as "digital, online, free of charge, and free of most copyright and licensing restrictions" (Suber, 2008)
  - Distribution power of the Internet
  - Consent of the author or copyright-holder
Content for IR

- Research and scholarly materials
  - Dissertations, theses, honors projects
  - Working papers, conference papers, preprints, journal articles
- Teaching materials
  - Learning objects
  - Audio and video materials
  - E portfolios
- Community outreach
Contributors

- Faculty, researchers
- Honors students, undergraduate research
- Archivists and Librarians

- Academic Offices
  - Office of Institutional Research
  - Office of Outreach, Cooperative Extension
  - others
Anthropology

The Department of Anthropology was established in 1969. At the University of Massachusetts Amherst, the Anthropology Department is a four-field program, each concerned with one of the main branches of Anthropology: Archaeology, Biological Anthropology, Cultural Anthropology, and Linguistic Anthropology.

Browse the Anthropology Collections:

Anthropology Department Archaeological Projects

- Archaeology at the W.E.B. Du Bois Boyhood Homesite

Anthropology Department Dissertations Collection

Anthropology Department Faculty Publication Series

Anthropology Department Faculty Selected Works pages

Anthropology Department Field Program in European Studies

- Selected Works pages of EFS Faculty
- Selected Publications of EFS Faculty, Students, and Alumni
- Dissertations and Theses based on EFS-sponsored field research
- Final Reports of EFS student participants
Community Engagement

Community Engagement in higher education is defined by the Carnegie Foundation for the Advancement of teaching as "Collaboration between higher education institutions and their larger communities for the mutually beneficial exchange of knowledge and resources in a context of partnership and reciprocity."

At UMass Amherst, Engagement creates unique opportunities for scholars to pursue teaching; research, creative or professional activity; and service in ways that benefit their discipline, our institution and our community partners.

Read more here

Community Collaborators & Partners

Browse the Community Engagement Collections:

Cranberry Station
Design Engagement Studios
Ludlow Master Plan
Cranberry Station Outreach and Public Service Activities

Cranberry Production Guide

Cranberry Station Best Management Practices Guide

Cranberry Station Best Management Practices Guide - 2010 revision

Cranberry Station Extension meetings 6/16/2011
Conference on Cellulosic Biofuels

Organized by The Institute for Massachusetts Biofuels Research (TIMBR)

Those interested in the Commonwealth’s developing biofuels industry are invited to participate in the annual Conference on Cellulosic Biofuels. The conference is hosted by The Institute for Massachusetts Biofuels Research (TIMBR) at the University of Massachusetts Amherst. TIMBR is a growing interdisciplinary research group focused on expanding biofuels research on the Amherst campus and enabling translational research through strategic partnerships between academia, industry, and state and federal government (www.ecs.umass.edu/timbr).

During the conference you will hear about the latest developments in biofuels research, learn about the opportunities that lie ahead for biofuels in the region from state policy makers, and connect with others from industry, academia, and government who are eager to expand their network of partners and collaborators in the biofuels industry. Topics covered will include emerging research in catalytic and microbial routes to biofuels, the Massachusetts biofuels industry, and more.

Click here to see the 1st Annual Conference on Cellulosic Biofuels, 2008

Browse the contents of Conference on Cellulosic Biofuels:
Welcome to Rasenna: Journal of the Center for Etruscan Studies. This site includes the current issue of Rasenna, an archive of earlier issues, Guidelines for Contributors, and information about the composition of the Editorial and Advisory Boards.

For more information about Rasenna and the Center for Etruscan Studies please contact Anthony Tuck or Rex Wallace.

Current Issue: Volume 2, Issue 1 (2009)

Book Reviews

- **PDF** Review of Giovanni Colonna & Daniele F. Maras, Corpus Inscriptionum Etruscarum II, 1, 5 et addit. II, 2, 1
  - *Rex E. Wallace*

- **PDF** Review of Vedia Izzet, The Archaeology of Etruscan Society
  - *Eric Poehlker*

Notes or Reports

- **PDF** Italian Prehistory and the Emergence of the Civic Museum
  - *Elisabetta Cova*

- **PDF** The Conundrum of the Workshop OR Etruscan Utilitarian Ceramics: A Compositional Analysis
  - *William Gilstrap and Anthony Tuck*
UMass Institute for Global Health

The IGH conducts collaborative research projects designed to develop effective programs and policies to alleviate pressing global health problems and provides a range of educational opportunities for US and international personnel seeking advanced training in the global health issues.

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Kalidas Shetty, PhD
Associate Professor of Food Science
Associate Director, Institute for Global Health
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Browse the UMass Institute for Global Health Collections:
UMass Institute for Global Health Community Education and Outreach
Scholarly Communications System

new thinking

- rewards
- copyrights
- new business models
- open access

Serials Crisis

Academic Library

Publisher

editor

Peer Review

- grants
- university
- taxpayers

OA mandates

From Lee Van Orsdel’s “Basics” ACRL SchCom 101
Reported Benefits

- Downloaded more than traditionally published materials (*Davis et al, 2008*)
- More opportunities for easier collaboration among researchers
- Cited more than restricted (non-open access) materials
Faculty Roles and Open Access

- Faculty Roles
  - Authors
  - Peer-reviewers
  - Editors

- Open access options
  - Creative Commons licenses
  - SPARC addendum
Action Steps for Faculty

1. Manage copyright / retain author rights
2. Select journals and publishers with access friendly policies
3. Prefer open access grant agencies when seeking funding
4. Self-archive

How are faculty going to address these new roles and potential responsibilities?
Challenges

• Perception of faculty members
  ◦ What value is there in publishing in open access journals?
    • Impact on tenure and promotion?
    • Potential problems with author pays financial model?

• Copyright Issues
  ◦ Who owns the copyright to works published in an open access journal?
  ◦ What can a faculty member do to preserve the right to post a previously published work to an open access journal?
Why do this?

- Proactive response to scholarly communication and open access issues
- Showcase for scholars and institution
- Ease of use by faculty and students
- Long-term preservation, persistent urls
- Wide dissemination of intellectual output
- More frequent citations
Library Role in the Academy

- Library role as steward of scholarship
- Collection development
- Organize, provide access to information
- Copyright, fair use
- Information literacy
- Research assistance
- Commitment to long-term preservation
The Scholarly Communication Life Cycle

Phase 1: Data Collection, Research & Analysis
- Liaison Librarians
- Research Databases

Phase 2: Authoring
- Creative Commons
- Faculty Writing Place

Phase 3: Publication & Dissemination
- ScholarWorks
- Selected Works

Phase 4: Storage, Archiving & Preservation
- ScholarWorks
- Selected Works

Collaboration & Discoverability
Transforming Librarian Roles

- Nexus of communication
- Create strategic partnerships
- Promote Open Access initiatives
- Curate digital materials
- Provide expertise on metadata, author rights, usage rights, etc
- Expand liaison role with faculty
- Provide education and workshops
Scholarly Communication

Scholarly communication is an umbrella term that describes the many ways in which scholars and researchers share their work:

- Publishing in print and electronic journals
- Archiving their work in digital repositories or on subject-specific websites
- Using email listserv mailing lists and online communities
- Creating new venues for dissemination, especially online

Currently, the field of scholarly communication is undergoing major changes, as open access and copyleft philosophies have begun to impact scholars' attitudes about sharing their work in a major way.
Manage Copyright

- Retain Author Rights
  - http://www.arl.org/sparc/author/
    - Reproduction
    - Distribution
    - Public performance
    - Modification of original work

- Modify publisher contracts
  - SPARC Authors Addendum
  - Creative Commons licenses
    - http://creativecommons.org/licenses/
Journals with Open Policies

- Determine open access journals in your field
  [http://doaj.org](http://doaj.org)

- Investigate current publisher policies
  - Sherpa / RoMEO website
    [http://www.sherpa.ac.uk/romeo.php](http://www.sherpa.ac.uk/romeo.php)
  - Publisher websites

- Faculty roles
  - Author
  - Editor / Editorial board /
  - Peer reviewer
2. Journals With Access-friendly Policies

- Determine open access journals in your field
  [http://doaj.org](http://doaj.org)

- Investigate current publisher policies
  - Sherpa / RoMEO website
    [http://www.sherpa.ac.uk/romeo.php](http://www.sherpa.ac.uk/romeo.php)
  - Publisher websites

- Faculty roles
  - Author
  - Editor / Editorial board /
  - Peer reviewer
Open Access Funding Agencies

- National Science Foundation
- National Institutes of Health
- Wellcome Trust
- FRPAA (Federal Research Public Access Act) and its impact
  http://www.taxpayeraccess.org/frpaa/
Self-archiving

- Institutional Digital Repositories
  - Directory of Open Access Repositories
    http://opendoar.org
  - My example - ScholarWorks @ UMass Amherst
    http://scholarworks@umass.edu

- Disciplinary Repositories
  - RePEc http://repec.org/
  - Other examples
My recent work has focused on Harmonic Serialism, a derivational version of Optimality Theory that appears to have several significant advantages over the parallel version.

1977

CT, Proceedings of the Seventh Annual Meeting of the North Eastern Linguistic Society (1977)
The special status of coronals in consonant clusters.

1979

Formal Problems in Semitic Phonology and Morphology (1985)
This study deals with the formal character of phonological representations and rules. Two basic lines...

On stress and syllabification, Linguistic Inquiry (1979)
of all the diverse properties of segmental strings, syllable structure is the one that stress...

CT, Proceedings of the Seventh Annual Meeting of the North Eastern Linguistic Society (1977)
The special status of coronals in consonant clusters.

1980

Open Educational Resources

• Educational materials and resources offered freely and openly for anyone to use and under some licenses to re-mix, improve and redistribute
• Both teachers and learners can share what they know
• UMass Amherst Open Education Initiative
• Grant opportunities such as Dept of Labor
Open Educational Resources

What are Open Educational Resources (OER)?

Open Educational Resources are educational materials and resources offered freely and openly for anyone to use and under some licenses to re-mix, improve and redistribute.

Open Educational Resources include:

- Learning content: full courses, course material, content modules, learning objects, books, readings, and multimedia resources
- Learning tools: tools, software, and platforms
- Learning frameworks: learning theories, models, and practices
- Learning spaces: virtual or physical communities, organizations, and structures
- Support materials: orientation materials, accessibility assistance, and teacher training resources
- Policies: open license policies, open access policies, and open education policies

Types of OERs

- Learning objects, units, textbooks, scholarly articles
- Multimedia objects (Flash etc.)
- Courses, programs for curricula
- Tools, FOSS
- Open Educational Resources from Open Access Week - AthabascaU on Vimeo.

Additional Resources

- Athabasca University
- Canada's Open University
- Open Educational Resources from Open Access Week - AthabascaU on Vimeo.
- Nicole Allen: Make Textbooks Affordable from SPARC on Vimeo.
OER Events during OA Weeks 2009 & 2010

http://scholarworks.umass.edu/oa/2009/oct22/4/

2009 Open Access Week

Open Educational Resources

Rebecca Reznik-Zollei

Start Date
22-10-2009 10:00 AM

End Date
10-2009 11:00 AM

Using Open Educational Resources in the Classroom

http://scholarworks.umass.edu/oa/2010/oct19/3/

2010 Open Access Week

Open Educational Resources: Teaching Material for the Public Good

Start Date
19-10-2010 12:00 PM

End Date
19-10-2010 1:00 PM

Description
An open discussion about the OER movement, which offers materials for all to use freely. Learn how instructors can re-mix, repurpose and redistribute materials while saving students money. We will hear from UMass faculty who have successfully used OERs and touch on issues raised at the 9/21 event "How Can a Textbook be Free: Keeping Higher Education Affordable with Open Resources." Lunch included. RSVP requested to mcharney@library.umass.edu. Drop-ins also welcome.
Share, Remix, Reuse — Legally

Creative Commons is a nonprofit organization that develops, supports, and stewards legal and technical infrastructure that maximizes digital creativity, sharing, and innovation.

Learn more about Creative Commons and The TAACCCT* Federal Grant Program

*Trade Adjustment Assistance Community College and Career Training

Creative Commons is Global

Our worldwide network of 100+ affiliates provides local and regional expertise, scaling CC adoption and outreach efforts globally.

Our Vision

Realizing the full potential of the internet — universal access to research, education, full participation in culture, and driving a new era
Community College Consortium for Open Educational Resources

Shared Knowledge

When educators pool their expertise to create a culture of shared knowledge, everyone benefits. Use of free and open textbooks can lower educational costs for students. Become involved with the open educational resources (OER) movement so that doors to higher education stay open to all. For the latest information, check our blog and follow us on Twitter.

The Community College Consortium for Open Educational Resources (CCCOER) is a joint effort by the OER Center for California, Foothill-De Anza Community College District, the League for Innovation in the Community College, OCW Consortium and many other community colleges and university partners to develop and use open educational resources (OER) and especially open textbooks in community college courses. We now have over 200 members of the OER Consortium. For more details, see the It Takes a Consortium to Support Open Textbooks article in the January/February 2009 issue of Educause Review magazine.

Read about CCCOER’s Path Forward in 2011
(click here)

CCCOER Quarterly Meeting on Feb. 27th at Innovations 2011 was a great success.

Read Una Daly’s post about the meeting: Feb 27 CCCOER Quarterly Meeting: Great Information Exchange
Driving Awareness and Adoption of Open Textbooks

Welcome to College Open Textbooks!

Funded by The William and Flora Hewlett Foundation, College Open Textbooks is a collection of colleges, governmental agencies, education non-profits, and other education-related organizations that are focused on the mission of driving the awareness and advocacy for open textbooks. This includes providing training for instructors adopting open resources, peer reviews of open textbooks, and mentoring online professional networks that provide support to authors who open their resources. Through our community outreach, we have found that open textbooks should be:

- easy to use, get and pass around,
- editable so instructors can customize content,
- cross-platform compatible,
- printable,
- and accessible so they work with adaptive technology.

That's just the short list.

Help us shape and continue to define what open textbooks turn out to be. Your voice will help create open textbook standards and guide development. We encourage you to add your ideas, suggestions, and thoughts to the discussion.
Questions / Discussion