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Digital scholarship services at the Library

By Amy Buckland
Institutional Repository Manager

The University of Chicago Library will be rolling out a number of digital scholarship services, the most significant being the development of an institutional repository in collaboration with IT Services and the Research Computing Center. An institutional repository is a tool to help manage and disseminate the digital work created on campus. The repository at the University of Chicago will provide access to resources created by our community, while offering robust preservation of the research output being created by University of Chicago researchers.

We’d like to hear from the community!

- What are your needs for preservation and access when it comes to your research?
- Do you have a grant that requires deposit of your research data?
- Are you unsure what to answer in your data management plans when asked about how you plan to preserve your data?
- Does your department have a series of working papers they want to share with the public, and have preserved for the future?
- Do you want to make your publications openly available?

We are currently collecting a list of use cases and potential early adopters, and want to hear from you. Let your librarian know how a repository could make your life easier.

We are still in the early days of building the repository, but once we are “open for business” (late Fall 2015) we’ll let you know through a variety of ways, including this newsletter. If you have any questions about these services, contact your librarian, or Amy Buckland, Institutional Repository Manager, amybuckland@uchicago.edu.
Research Services @ Crerar Library

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The Library supports your research, teaching and learning in a variety of ways, through support and services. Please contact us!
http://www.lib.uchicago.edu/e/crerar/using/staff/specialists.html

Research Consultations
Subject-specialists provide in person consultations to both individuals and/or groups of any size. Topics covered in a consultation can range from discussing information resources on a particular research topic to in depth searching of a database(s) to find information. A consultation is as an opportunity to discuss what the library can do to assist with research projects. We will come to your office or work space.

Instruction and Orientation
The librarians at the John Crerar and Eckhart Library provide instruction and orientation sessions to faculty, students and staff of the University of Chicago. Instruction and orientation sessions are customized based on the research, teaching and learning goals of the audience. Sessions can be hands-on in our computer lab, lecture style, a walking tour of the library or a combination of all three. Course specific sessions are welcome. A subject specialist will work closely with the instructor to develop a session to ensure it meets their objectives.

Literature review support
Librarians are available to assist faculty, students and staff with developing their literature search strategy, selecting databases and resources, and helping to find relevant material.

Reference Services
The Library provides reference support, assisting faculty students and staff with identifying and using electronic and print resources, locating specific material in our collection and elsewhere, and accessing electronic resources. We provide these services via email, IM Chat, by phone and in person at the Reference Desk. For in depth questions, librarians are available for consultations. http://www.lib.uchicago.edu/e/crerar/using/reference/
Citation Management Support
Librarians teach EndNote and EndNote Online in workshops and meet with individuals for one-to-one consultations. Additionally, we provide support for Zotero.

Scan and Deliver
“Scan & Deliver enables you to obtain scans of book chapters and journal articles in the general collections of the University of Chicago Library for your research.”
http://www.lib.uchicago.edu/e/using/ill/

UBorrow/Borrow Direct
“BorrowDirect enables you to search for and request books directly from the 10 major research libraries of the Ivy League universities, MIT, and the Center for Research Libraries, with combined collections of more than 50 million volumes.”

“UBorrow enables you to search for and request books directly from 13 major research libraries, with combined collections of more than 90 million volumes.”
http://www.lib.uchicago.edu/e/using/ill/

Book a Room
“Book A Room allows groups of 2 or more eligible users to reserve a group study in Crerar or Regenstein.”
http://rooms.lib.uchicago.edu/

Database Spotlight: Web of Science

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Web of Science is database that searches and offers a comprehensive interdisciplinary collection of journal articles. Its coverage includes all areas of science and technology, social science and arts and humanities. Because of this, it is a great place to begin research on interdisciplinary topics in the sciences.

Special features of Web of Science include:
Cited Reference Searching

Cited reference searching allows you to find articles that have cited a previously published work. It is a great way to find related articles on your research topic and trace how the topic has been expanded on and improved over time.

Cited references are sorted alphabetically by cited author. References containing the same cited author are sorted alphabetically by cited work. References with the same cited author and cited work are sorted in reverse chronological order by cited year.

Web of Science also offers a tutorial: “What is Cited Reference Searching”.

Analyzing Large Result Sets

Web of Science also allows users to analyze large result sets (up to 500 results) by categories such as author, research area, source title and publication year. This feature offers a great way to see which journals publish on a topic, who has worked with other authors and which agencies fund work in a particular area.
National Science Foundation Policy Plan for Public Access to NSF Funded Research

The National Science Foundation (NSF) has recently developed a plan, “Today's Data, Tomorrow’s Discoveries,” to increase public access to scientific publications and data from research they fund. This plan was written to be consistent with objectives set forth in the Office of Science and Technology Policy's Feb. 22, 2013, memorandum, "Increasing Access to the Results of Federally Funded Research," and with long-standing policies encouraging data sharing and communication of research results.

Requirements in the plan include "that either the version of record or the final accepted manuscript in peer-reviewed scholarly journals and papers in juried conference proceedings or transactions must:

- Be deposited in a public access compliant repository designated by NSF;
- Be available for download, reading and analysis free of charge no later than 12 months after initial publication;
- Possess a minimum set of machine-readable metadata elements in a metadata record to be made available free of charge upon initial publication;
- Be managed to ensure long-term preservation; and
- Be reported in annual and final reports during the period of the award with a persistent identifier that provides links to the full text of the publication as well as other metadata elements.”

More information about this new plan is available on the NSF website.
Browzine – New Updates

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Since the University of Chicago began providing access to BrowZine in 2013, the innovative service has grown exponentially and is now supported across all iOS mobile devices. The app developer, Third Iron Advanced Technologies for Libraries, has worked tirelessly to broaden access and support to BrowZine. Significant updates from 2014 and 2015 include:

- BrowZine can be easily downloaded in the App store.
- Users may save up to 500 articles.
- In-app support
- New content and journals

More updates are on the way, including:

- ILL integration
- New bibliographic management support
- BrowZine for the web

**What is BrowZine?**

BrowZine, an innovative app developed by Third Iron Advanced Library technologies, culls articles from databases, compiles them into complete journals, and arranges these journals by subject on a familiar, easy-to-use bookshelf. BrowZine is optimized for tablets but is available across all iOS devices. This multi-device functionality, combined with BrowZine’s intuitive interface, makes it a convenient and useful tool for those who wish to mobilize their research.

A personalized bookshelf makes it easy for BrowZine users to save their favorite journals and follow updates from these publications. Additionally, saving, sharing, and exporting articles is easy in BrowZine—BrowZine allows users to read saved articles offline, to
seamlessly export articles to citation managers like Mendeley and Zotero, and to share articles via email or social media.

- BrowZine is a fantastic way to read scholarly publications and optimize your time while on the go. If you have any questions about BrowZine or would like a guided a tour, please contact crerar-reference@lib.uchicago.edu.
- This service will continue to expand and add new titles and features as time goes on. Third Iron welcomes you to follow their progress on Facebook (http://www.facebook.com/thirdiron) or Twitter (http://www.twitter.com/third_iron) and reminds you to watch for notifications on your device that an update to BrowZine is available.

Librarian Presentations

We are available to present at faculty meetings, or to groups of graduate students and happily welcome an invitation. We can tailor our presentation to provide information on what the Library has to offer in your subject area(s) and discuss your needs related to finding information and accessing full text articles. We are also happy to cover related topics such as research information management and sharing tools such as Endnote, Zotero and Mendeley. Please contact me if you are interested.

Upcoming Exhibition

“The Studio in the Field”: Techniques of Early Wildlife Photography
The John Crerar Library, Atrium
April 6 – September 15, 2015

During the 1890s, technical advances made it practical to photograph animals in their natural environments. But faced with the unpredictable realities of photographing in the field, early practitioners struggled to make worthwhile images from the standpoints of art or natural history. This exhibit traces the development of wildlife photography as a popular cultural pursuit, focusing on innovative strategies devised to craft pictures that would appear convincingly natural to 19th-century audiences. More information about the exhibits program at Crerar.

The Physical Sciences Newsletter is edited by Jennifer Hart

I invite your comments about Library News in the Physical Sciences. Please email me at hartj@uchicago.edu or at 773-702-7569 with any questions about Library resources and services, or with any comments about the content and design of this newsletter.