PORTICO – CLOCKSS – LOCKSS: *DIGITAL PRESERVATION SERVICES THAT WORK*

Presenter: Cynthia Sorrell, University of Maryland

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Cincinnati, OH

UNIVERSITY LIBRARIES

Thomas Jefferson   --   February 18, 1791

"...let us save what remains: not by vaults and locks which fence them from the public eye and use in consigning them to the waste of time, but by such a multiplication of copies, as shall place them beyond the reach of accident."

Tags: Archives, disasters, documents, heritage, history, libraries, preservation, value

https://www.goodreads.com/quotes/246348-let-us-save-what-remains-not-by-vaults-and-locks ([discussion with Ebenezer Hazard who] was a publisher, businessman, an editor of historical documents -- actually the 1st American to attempt to preserve the documentary of the nation --and Postmaster-General of the United States.

"... Why Is Digital Preservation Necessary?

• Stuff (hurricanes, floods, etc.) happens
• Hardware breaks
• Software crashes
• Files get corrupted
• Publishers fold, merge, disappear
• Somebody hits the wrong button
• Somebody drops something
• Burning files to CDs and DVDs isn't enough
• It costs time/money/hassle to restore lost collections..."

PORTICO:
Annual Archival Financial Support Based on LME (Library's Total Materials Expenditures)

TOTAL LME	ANNUAL ARCHIVAL SUPPORT
$25-30 million	$25,462
$20-25 million	$20,157
$15-20 million	$18,566
$13-15 million	$17,080
$11-13 million	$16,126
$9-11 million	$15,171
$7-9 million	$13,792
$5-7 million	$12,200
$4-5 million	$10,609
$3-4 million	$9,442
$2-3 million	$8,275
$1-2 million	$7,108
$750,000-1 million	$5,729
$500-750,000	$4,456
$250-500,000	$3,289
$150,000-250,000	$1,591
<$150,000	1.03% of LME

PORTICO STATISTICS:

WORLDWIDE PARTICIPATION = 1,100+ LIBRARIES

PUBLISHERS = 470

e-JOURNAL PUBLISHERS = 378 (26,866 e-Journals committed)

e-BOOK PUBLISHERS = 142 (815,821 e-Books committed)

D-COLLECTIONS PUBLISHERS = 5 (179 D-Collections committed)

http://www.portico.org/digital-preservation/who-participates-in-portico/participating-titles

Institutions are saying….

"Nearly 500 journal titles have been cancelled in paper copy, where the digital equivalent exists in Portico. UCL will rely on publishers for e-delivery and will rely on Portico for digital archiving and providing long-term digital access when defined trigger events lead to loss of access …" **University College London**

" With an increasing number of digital resources, comes a new approach to collection management and a need to ensure long term access. We needed to find a solution to reliably protect our investment in e-content." **University of Cincinnati**

"Keeping in mind that access to Portico requires a trigger event, we have decided that with the 2008 renewals, we will convert to electronic-only all those titles which are committed to Portico. As additional titles become part of Portico we will mark them for conversion to electronic with the next renewal cycle. We are applying this decision across-the-board: we are not agonizing over whether Professor X really prefers print or whether the illustrations in a given subject are better in print (and as one colleague pointed out, if you photocopy from an art journal, it's in black and white. If you print from the electronic, it's in color)…" **Drew University**

CLOCKSS
Controlled LOCKSS

Academic Publishers + Research Libraries

"...build a sustainable, geographically distributed dark archive with which to ensure the long-term survival of Web-based scholarly publications for the benefit of the greater global research community... for the entire world's benefit [with] content no longer available from any publisher (triggered content) is available free..."

HOWEVER, there are costs

SUPPORTING / PARTICIPATING IN CLOCKSS
Libraries   Publishers

Libraries Materials Budgets	Annual Contribution	Total Pub. Revenue	Annual Contribution
Under $1 million	$455	Under $250,000	$ 227
$1 - 2 million	$605	$250,000-500,000	$ 455
$2 - 3 million	$1,210	$500,000- 1 million	$1,070
$3 - 4 million	$1,820	$1 – 5 million	$2,141
$4 - 5 million	$2,425	$5 – 10 million	$4,280
$5 - 7 million	$3,030	$10 – 15 million	$6,425
$7 - 9 million	$4,240	$15 – 20 million	$8,565
$9 - 11 million	$5,455	$20 – 30 million	$10,705
$11 - 13 million	$6,665	$30 – 40 million	$12,850
$13 - 15 million	$7,880	$40 – 50 million	$14,990
$15 - 20 million	$9,090	$50 – 200 million	$16,060
$20 - 25 million	$12,120	Over $200 million	$26,765
Over $25 million	$15,150		

https://www.clockss.org/clockss/Contribute_to_CLOCKSS

LOCKSS -- So Are You Ready To Join??

1. Tech Support (online install & maintain LOCKSS BOX)
2. Locally owned collections from publishers & 100% perpetual access
3. Strategic ways to engage community – leverage local activities
4. Consider as a "Real-Time Backup Solution"
5. Large List of Publishers Participating

https://www.libraries.rutgers.edu/rul/staff/collection_dev/reports/
lockss-clockss-portico.shtml

Institution Size & Annual Fees

Very Large Research Universities	$ 12,709
Large Research Universities	$ 11,302
Medium Doctoral/Research Universities	$ 9,652
Large Master's Colleges and Universities	$ 6,120
Medium Master's Colleges and Universities	$ 5,232
Small Master's Colleges and Universities	$ 4,337
Baccalaureate Colleges	$ 2,539

https://www.lockss.org/join/ -- Current Fees 9/2017 – 8/2018

"...LOCKSS system is the first and only mechanism to apply the traditional purchase-and-own library model to electronic materials...

LOCKSS Works with vendors to ensure authoritative, accurate, and complete preservation of scholarly journals and books

LOCKSS via Stanford University provides support to participants (KBART-knowledge bases and related tools) report; preservation status of archival unit =volume of journal or complete book; view preserved contents..."

530+ publishers including
Atypon, BioMed Central, HighWire Press, Meatpress, Open Journal Systems, Publishing Technology, Project Muse"
1,000 "long-tail" publishers preserved in LOCKSS
LOCKSS, CLOCKSS Audited by CRL (Center for Research Libraries)
https://www.lockss.org/community/publishers-titles-gln/

BIG TEN(actually 14+) ACADEMIC ALLIANCE

http://www.lib.uiowa.edu/preservation/digital-preservation

The University of Iowa is a member of the Big Ten Academic Alliance, ARL, OCLC, CRL, SPARC, CNI, CLIR, LOCKSS, CLOCKSS, and Portico

https://www.libraries.rutgers.edu/rul/staff/collection_dev/reports/lockss-clockss-portico.shtml

RUL is now a subscriber to the Portico "dark archive". We will pay a subscription that acts as a "failsafe" for disaster recovery in case of catastrophic event or other permanent failure of content provider. "Trigger events" allow participating libraries to access content. Publisher failure initiates trigger event; there have been four so far. LOCKSS serves a different purpose, and is for more temporary interruptions, but Portico is for catastrophic failure events.

"The CLI [Center for Library Initiatives] staff work under a set of goals for CIC collective licensing that seek to extend the breadth and depth of resources available at member universities while fostering high levels of collection coordination. The benefits of collaboration should also include measurable influence on the scholarly publishing market and the ability to secure broad rights for content related to teaching, research, scholarly sharing, and archiving... **Vendors should address participation or plans to participate in statistics and access/archiving standards: COUNTER, Sushi, CLOCKSS, LOCKSS, Portico, ... Address backfile access, archiving processes, and post-cancellation access included in the agreement, and potential costs for these services..."**
https://www.btaa.org/docs/default-source/library/cicvendorguidelines.pdf

For Big Ten SPR titles stored [at Indiana] as of May 2016: • 60% were represented in Portico
• 63% were represented in CLOCKSS
https://www.crl.edu/sites/default/files/event_materials/2_Crist_BTAA_MW2017.pdf

HBCU Initiative Using LOCKSS

http://library.ifla.org/1422/1/164-wiseman-en.pdf

"A Practical Approach to Digital Preservation… " Christine Wiseman – Atlanta University Center Robert W. Woodruff Library (Atlanta, GA)

** "…Digital initiatives at the AUC Woodruff Library date back to 2005 beginning with a five year partnership with Cornell University, SOLINET (now LYRASIS), and nine historically black colleges and universities to expand access to the founding documents of HBCUs. As a result of this partnership, the AUC Woodruff Library gained expertise in digitization standards, metadata creation, and digitization methodologies. The AUC Woodruff Library serves as the technical administrator of the HBCU Library Alliance Digital Collection (http://hbcudigitallibrary.auctr.edu/) , a collection that has grown from approximately 9,000 images to more than 16,000 images representing the founding materials of twenty-two HBCUs…"

** "…Since 2011, the HBCU Library Alliance has been preserving digital content in the MetaArchive Cooperative, a distributed LOCKSS (lots of copies keeps stuff safe) digital preservation network for the content held in the HBCU Library Alliance (HBCU LA) Digital Collection. On behalf of the 3 HBCU Library Alliance, The AUC Woodruff Library provides technical support and hosts the server as a preservation node on the network. In addition, the AUC Woodruff Library utilizes both CONTENTdm and Digital Commons, a hosted institutional repository for discovery and access to digital content. The WorldCat Local discovery tool provides access to content in both of these repositories through a "Google-like" search box on the Library's website. Discovery of content within these repositories is also possible using search engines such as Yahoo and Google…"

See http://educopia.site/join-us/ -- Meta Archive

Bennett College History

Alabama State College

Bowie State University Historical Images

St. Augustine's College

Federal City College

Digital Library of Hampton University

Grambling State Black-Gold Collections

Lincoln University of PA's Early Records Online

Meharry Medical College Digital Collection

Miles College, The Beginning

Morehouse School of Medicine Digital Archives

North Carolina Central University Digital Collection

Paine College Library Digital Collection

South Carolina State University Historical Collection

Southern University and A&M College

Digital Collection of Robert W. Woodruff Library (Atlanta Univ.)

Lincoln Univ. of Missouri

Tennessee State University Library Digital Collections
Texas Southern University Digital Collection
The Early History of Alabama State University
The History of Southern University at Shreveport Louisiana
Tuskegee University Libraries Digital Collections

UDC Digital Archives Collection

Virginia State University Digital Archives Collection

A Digital Collection Celebrating the Founding of the Historically Black College and University is a collection of primary resources from HBCU libraries and archives. It includes several thousand scanned pages and represents HBCU libraries first collaborative effort to make a historic collection digitially available. Collections are contributed from member libraries of the Historically Black College and University Library Alliance.

The collection includes photographs, university correspondence, manuscripts, images of campus buildings, alumni letters, memorabilia, and programs from campus events.

These images present HBCUs as cultural, social, and political institutions from the early 1800s until today.

http://hbcudigitallibrary.auctr.edu/cdm/about

Jim Haas's words still ring true:
"Scholars, librarians, and archivists do, in fact, have the responsibility to solve the preservation problem. And that responsibility is not conditional and it does not depend on public perception, or amount of money, or anything else. It is our responsibility and we either succeed or fail."

University Librarian @Columbia stated in his 1972 report as quoted in Deanna Marcum's "DUE DILIGENCE AND STEWARDSHIP IN A TIME OF CHANGE AND UNCERTAINTY"

http://www.sr.ithaka.org/wp-content/uploads/2016/04/SR_Issue_Brief_Due-Diligence_Stewardship042616.pdf

THANK YOU FOR ATTENDING !!