



THE AUSTRALIAN NATIONAL UNIVERSITY

## CLOCKSS

Controlled LOCKSS (Lots of Copies Keep Stuff Safe)

CEIRC Datasets Coordinators Forum  
Melbourne  
4 February 2008

# The Challenge

## Scholarly digital resources

- largely accessed from and under control of content providers
- no longer served from or curated within institutional libraries

Risk that access could be severed at any time – natural disaster, corporate failure, etc.

Need to provide mechanism to ensure continued access to such resources over time

## Three Quotations

... for there is always an easy solution to every human problem – neat, plausible, and wrong

H.L. Mencken, *The Divine Afflatus* (1920)

There is no archive without a place of consignation, without a technique of repetition, and without a certain exteriority. No archive without outside.

Jacques Derrida, *Archive Fever* (1995)

... 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.

Thomas Jefferson to Ebenezer Hazard, 18 February 1791

# LOCKSS

## Lots of Copies Keep Stuff Safe

An approach which replicates traditional physical collection management model at an institutional level

- enables libraries to build collection of copies of digital resources for preservation purposes
- resources collected are limited to materials to which library subscribes or has access

Access to local LOCKSS archive is opened when content not available from publisher

Project established in 1999, LOCKSS system in production April 2004

Technology supports open-source, peer-to-peer, decentralised preservation infrastructure

At present

193 libraries with registered LOCKSS boxes

- United States 110
- United Kingdom 33
- Australia 1
- New Zealand 1

211 participating publishers

# CLOCKSS

## The Mission

Ensuring access to published scholarly content over time;  
a community-governed partnership of publishers and  
libraries working to achieve a sustainable and globally  
distributed archive

CLOCKSS (Controlled LOCKSS) in effect a 'private LOCKSS network'

Established initially, in 2006, as small partnership of libraries and publishers

Partnership being widened and project scheduled to become operational during 2008

"...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." Thomas Jefferson to Ebenezer Hazard, February 18, 1791.

## Graft Public Copies

### Free, Public Access to Journal, *Graft*

The recent decision by SAGE Publications to discontinue its journal, *Graft: Organ and Cell Transplantation*, provides the CLOCKSS Initiative with an opportunity to show how CLOCKSS works. In doing so, CLOCKSS offers continuing and public access to all the SAGE-published articles (three volumes from 2001 to 2003) of *Graft* that are preserved in the CLOCKSS archive.

Follow the links below to access this material at either of the two CLOCKSS hosting platforms based in Europe and the U.S. (for use worldwide, free, and without need of subscription):



- EDINA (University of Edinburgh):
  - Volume 4 (2001) [Ⓞ](http://graft.edina.clockss.org/clockss-manifest/vol_4_manifest.dtl)
  - Volume 5 (2002) [Ⓞ](http://graft.edina.clockss.org/clockss-manifest/vol_5_manifest.dtl)
  - Volume 6 (2003) [Ⓞ](http://graft.edina.clockss.org/clockss-manifest/vol_6_manifest.dtl)
- Stanford University Libraries:
  - Volume 4 (2001) [Ⓞ](http://graft.stanford.clockss.org/clockss-manifest/vol_4_manifest.dtl)
  - Volume 5 (2002) [Ⓞ](http://graft.stanford.clockss.org/clockss-manifest/vol_5_manifest.dtl)
  - Volume 6 (2003) [Ⓞ](http://graft.stanford.clockss.org/clockss-manifest/vol_6_manifest.dtl)

[www.clockss.org/clockss/Graft\\_Public\\_Copies](http://www.clockss.org/clockss/Graft_Public_Copies)

## Founding libraries

Indiana University

New York Public Library

OCLC

Rice University

Stanford University

University of Virginia

University of Edinburgh

## Founding Publishers

American Chemical Society

American Medical Association

American Physiological Society

Elsevier

Institute of Physics

Nature Publishing Group

Oxford University Press

SAGE Publications

Springer

Taylor and Francis

Wiley-Blackwell

At present being established as registered non-profit corporation under 501c3 provision of US Internal Revenue Code, with permanent representative Board and complete set of governance rules

Intention to raise capital fund to pay for most, if not all, ongoing expenses and thereby become self-sustaining

Membership fees designed to build initial fund which will be supplemented by grants from foundations

## Annual fees (US\$)

Host libraries (no more than 15)

\$15,000

## Supporting libraries

### Library materials budget

\$25-30m	\$15,000
\$20-25m	\$12,000
\$15-20m	\$9,000
\$13-15m	\$7,800
\$11-13m	\$6,600
\$9-11m	\$5,400
\$7-9m	\$4,200
\$5-7m	\$3,000
\$4-5m	\$2,400
\$3-4m	\$1,800
\$2-3m	\$1,200
\$1-2m	\$600
\$0.75-1m	\$450

## Supporting publishers

### Total revenue

\$200+m	\$25,000
\$50-200m	\$15,000
\$10-50m	\$9,000
\$5-10m	\$5,000
\$1-5m	\$2,500
\$ -1m	\$1,000

Back file ingest: free

Front file ingest: \$0.25 per article

Fee capped at \$75,000 p.a.

## CLOCKSS and LOCKSS as complementary systems

### LOCKSS

- local
- subscribed content only held by libraries
- content preserved for own community
- access provided to local community when not available from publisher

### CLOCKSS

- comprehensive
- subscribed and unsubscribed content held by host libraries
- content preserved for everyone
- access provided to all after trigger event as determined by CLOCKSS Board

# Why choose CLOCKSS?

Some reflections

Thank you

Vic Elliott  
4 February 2008