

Preserving Our Digital Scholarly Content

Japan And The CLOCKSS Archive

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The Problem

- Digitally scholarly content at high risk of loss
 - Long-term archiving required to insure access
- A number of long term archives are being established to solve this problem

The CLOCKSS archive fills four critical needs not addressed by other initiatives



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The CLOCKSS Archive

- International community-governed archive
- Content held at libraries, world-wide
- Free access to abandoned/orphaned content
- Low fees, raise endowment



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Governance Structure

- The archive is managed by its beneficiaries
 - Board of Directors and Advisory Council
- Publishers and librarians have equal say
 - Strategic direction and priorities; an active role
- Removes single organization failure
 - Minimizes self-serving behavior
- 2007 ALA ALCTS Outstanding Collaboration



CLOCKSS is a tax-exempt, 501(c)3, not-for-profit organization

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Governing Board

American Medical Association
American Physiological Society
bepress
Elsevier
IOP Publishing
Nature Publishing Group
Oxford University Press
SAGE Publications
Springer
Taylor & Francis
Wiley-Blackwell

Australian National University
OCLC
Edinburgh University
Indiana University
Japan National Institute of Informatics
New York Public Library
Rice University
Stanford University
University of Alberta
University of Hong Kong
University of Virginia



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CLOCKSS Board Of Director



Jun Adachi

- Professor, Digital Content and Media Sciences Research Division of NII
- Director, Cyber Science Infrastructure Development Department of NII
- Adjunct professor of the Graduate School of Information Science and Technology, University of Tokyo
- SPARC Japan
- CLOCKSS Director



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Advisory Council

- You!
- Each supporting library has one delegate
- Voice in CLOCKSS Archive governance
 - Policies and practices, including
 - Content “trigger events”
 - Exposure to and influence on publishers
 - Professional leadership, exposure, and advancement
- Meet at least yearly
 - Virtually, by geographic regions to start



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Private LOCKSS Network

POWERED BY LOCKSS



**Best Research - Proceedings of the 19th ACM
Symposium on Operating Systems Principles**



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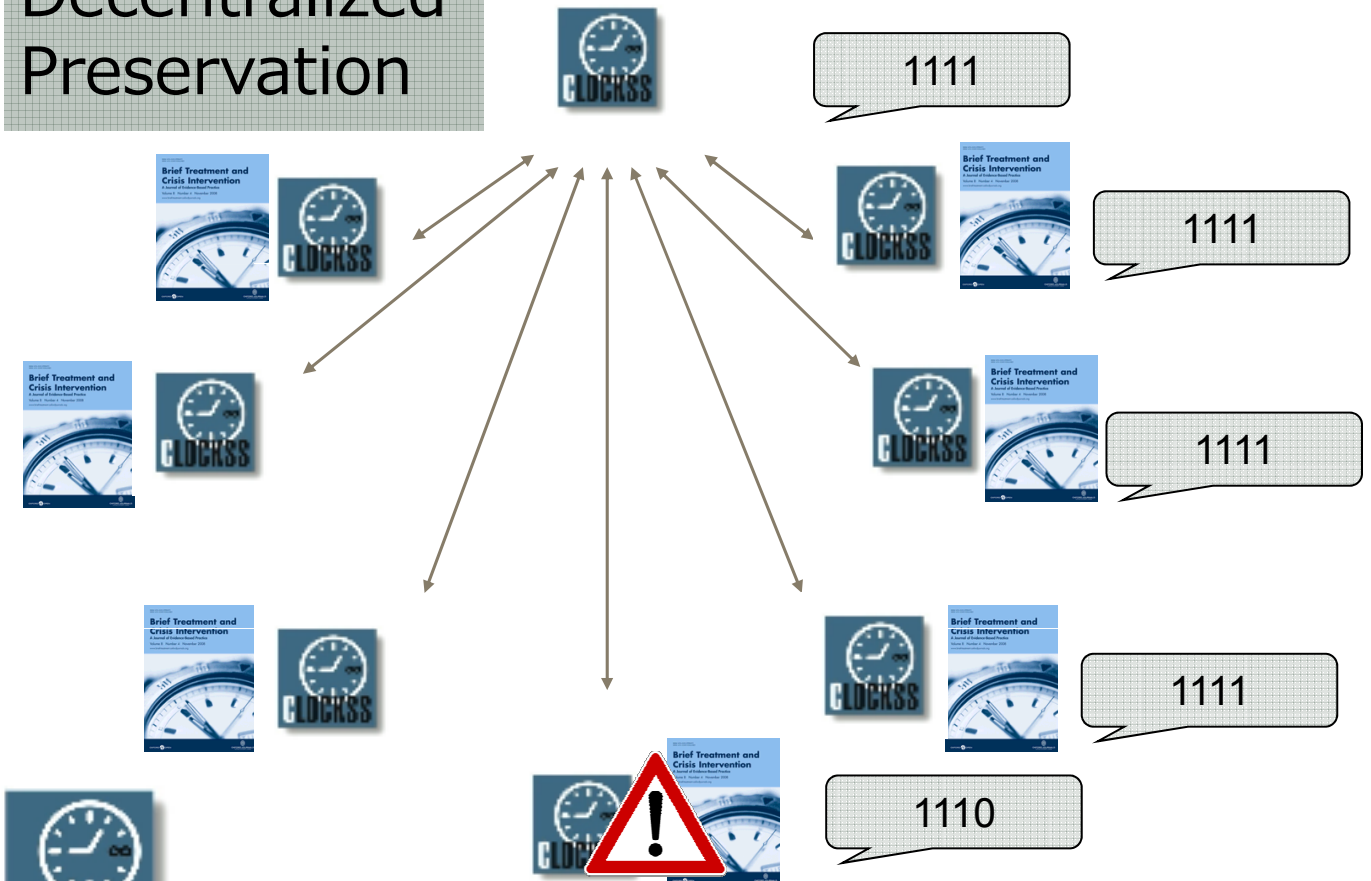
Decentralized Preservation

Libraries preserving the content; value as memory organizations re-enforced worldwide



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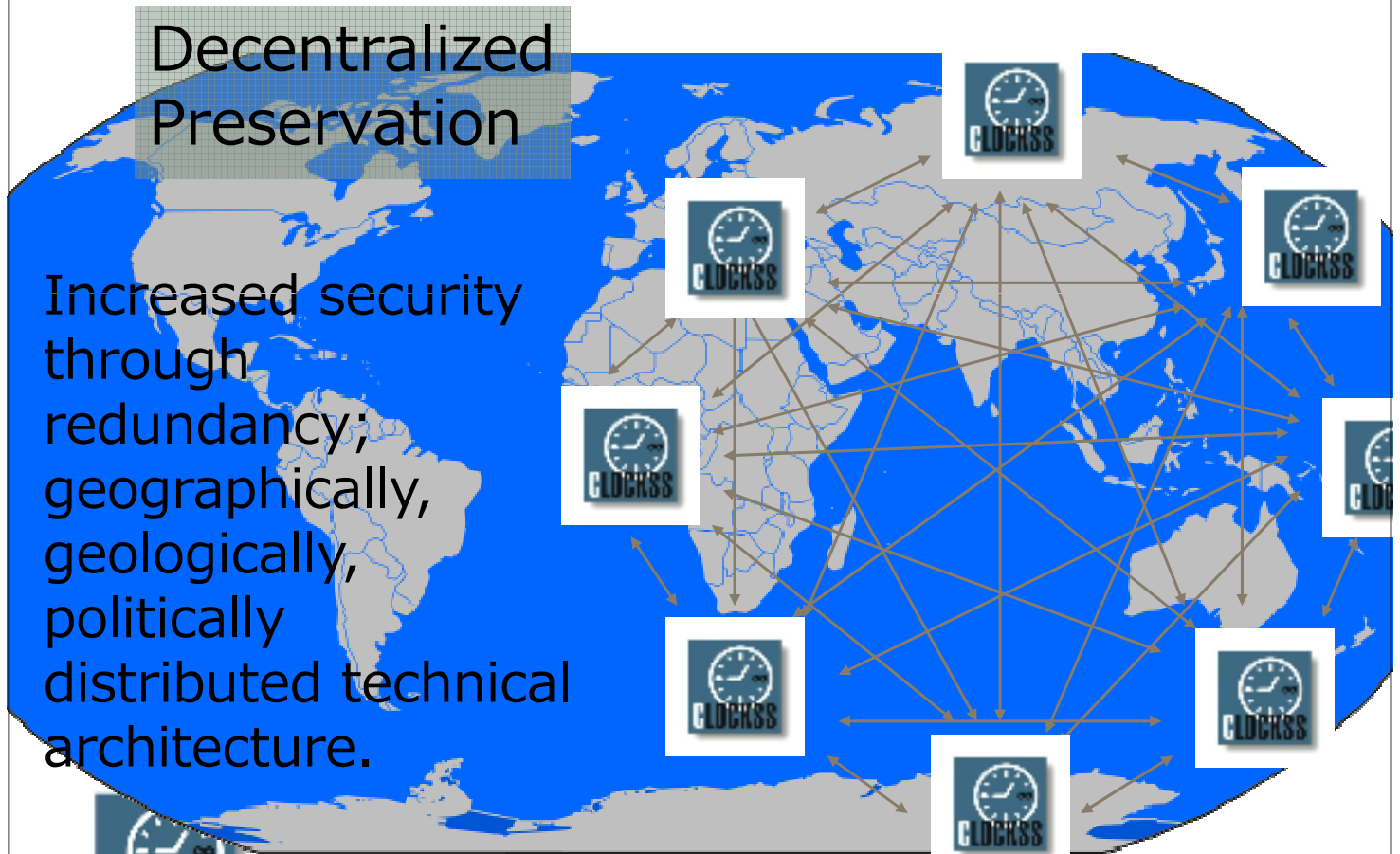
Decentralized Preservation



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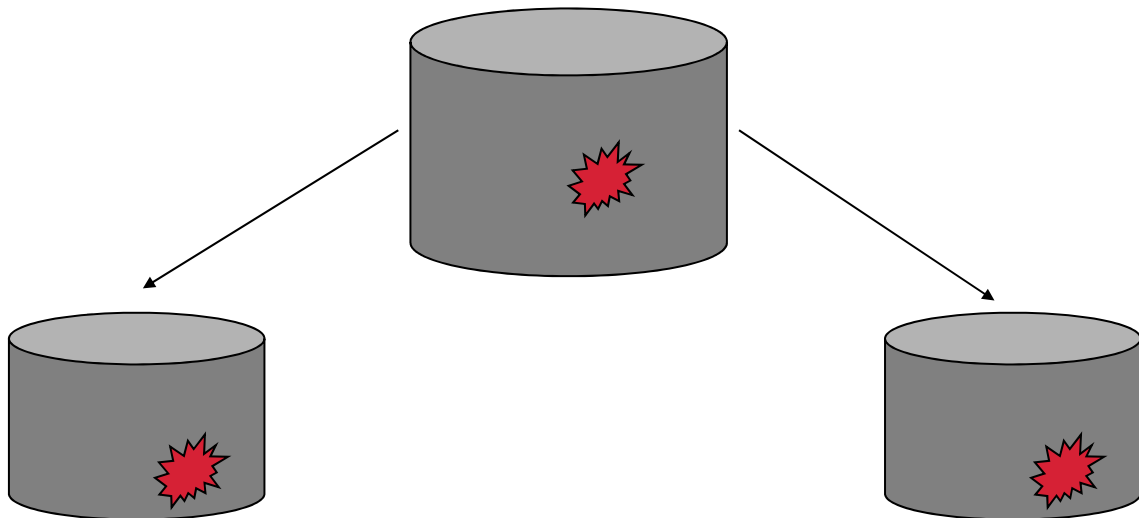
Decentralized Preservation

Increased security through redundancy; geographically, geologically, politically distributed technical architecture.



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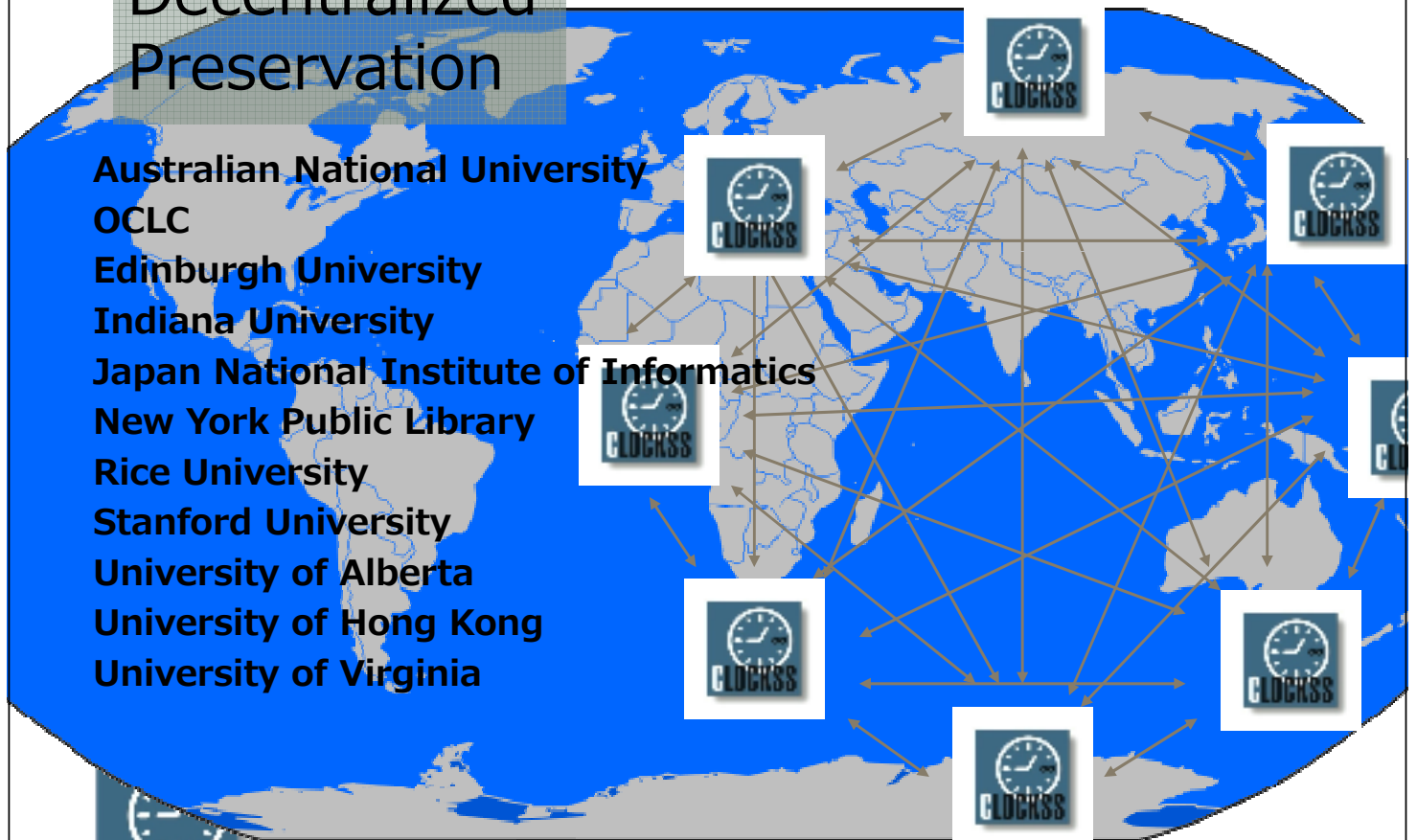
Centralized Preservation System



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Decentralized Preservation

Australian National University
OCLC
Edinburgh University
Indiana University
Japan National Institute of Informatics
New York Public Library
Rice University
Stanford University
University of Alberta
University of Hong Kong
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Serving The World's Scholars

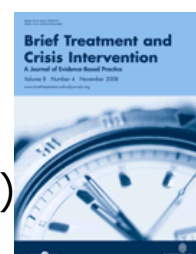
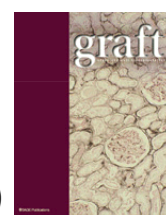
- Archived content, not available from any publisher (“triggered content”)
- Made freely available to all on the Web
 - Creative Commons license
- 3 titles now open access
 - Support CLOCKSS and contribute to growing open access corpus
 - Help us keep open access content, open access



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Open Access “triggered” Content

- Graft
 - Sage
 - Volume 4 (2001) - Volume 6 (2003)
- Auto/Biography
 - Sage
 - Volume 12 - 14
- Brief Treatment & Crisis Intervention

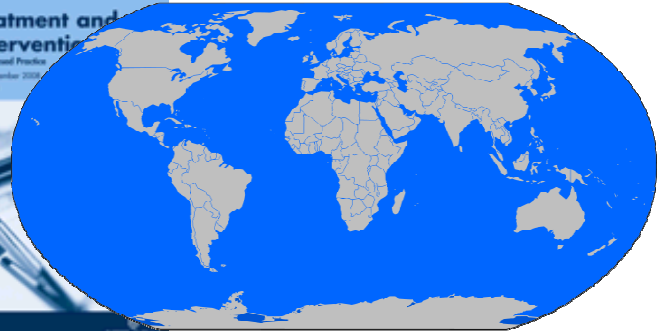


OUP

- Volume 1 (2001) - volume 8 (2008)

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Free Access For All



Format migration as required



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Hosted From EDINA & Stanford



Free Public Access to *Brief Treatment and Crisis Intervention*

EDINA at University of Edinburgh:

- Volume 1 (2001) [↗](#)
- Volume 2 (2002) [↗](#)
- Volume 3 (2003) [↗](#)
- Volume 4 (2004) [↗](#)
- Volume 5 (2005) [↗](#)
- Volume 6 (2006) [↗](#)
- Volume 7 (2007) [↗](#)
- Volume 8 (2008) [↗](#)

Stanford University:

- Volume 1 (2001) [↗](#)
- Volume 2 (2002) [↗](#)
- Volume 3 (2003) [↗](#)
- Volume 4 (2004) [↗](#)
- Volume 5 (2005) [↗](#)
- Volume 6 (2006) [↗](#)
- Volume 7 (2007) [↗](#)
- Volume 8 (2008) [↗](#)

Facilitates archive interoperability through time & across different copyright regimes.

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Low Publisher Participation Fees

Publishing Revenue Annual Contribution

Under \$250,000	\$200
\$250,000 – 500,000	\$400
\$500,000 – 1 million	\$800
\$1 – 5 million	\$2,000
\$5 – 10 million	\$4,000
\$10 – 50 million	\$9,000
\$50 – 200 million	\$15,000
Over \$200 million	\$25,000

Free back file ingest; Front file ingest \$.25/article;
No charge for the first 500 articles; Fees capped at
\$75,000/year.



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Publisher Participants

* American Academy of Pediatrics * American Institute of Physics * American Medical Association * American Physiological Society * Association of Computing Machinery * bepress * Cambridge University Press * Elsevier * IOP Publishing * Nature Publishing Group * Oxford University Press * Rockefeller University Press * Royal Society * Royal Society of Chemistry * SAGE * Springer * Taylor & Francis * Wiley-Blackwell



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Low Library Participation Fees

Materials Budgets Contribution	Annual
Under \$1 million	\$450
\$1 - 2 million	\$600
\$2 - 3 million	\$1,200
\$3 - 4 million	\$1,800
\$4 - 5 million	\$2,400
\$5 - 7 million	\$3,000
\$7 - 9 million	\$4,200
\$9 - 11 million	\$5,400
\$11 - 13 million	\$6,600
\$13 - 15 million	\$7,800
\$15 - 20 million	\$9,000
\$20 - 25 million	\$12,000
Over \$25 million	\$15,000



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Consortia Discounts

Members Joining	Discount
1 to 9	5%
10 to 19	10%
20 or more	15%



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Driving Costs Lower

- Recently lowered fees for small publishers
- Raise Endowment
 - Address un-served and under-served markets



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Summary

- Community-governed archive
 - Librarians and publishers work together as equals
- Free, open access to 'triggered' archived content
 - Keep open access content, open access over time
 - Serve ALL scholars, contribute to open access corpus
- Globally distributed libraries preserving content
 - Geographically, geologically, politically distributed
 - Re-enforce library's memory role on a worldwide scale
- Low participation costs so everyone can participate



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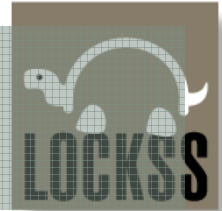
Questions Welcome!

Thank you.



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Very Briefly - LOCKSS Program



- Libraries taking charge as memory organizations
 - LOCKSS provides digital stacks for libraries to build and preserve *local* e-collections (subscription, open access)
 - Provides 100% perpetual and post-cancellation access
- LOCKSS is a Distributed Digital Preservation System
 - Open source peer to peer software
 - Standards: OAIS, OpenURL, HTTP, WARC
 - Migrates content to new formats as required
- LOCKSS preserves all web formats and genres
- Since 1998 @ Stanford University



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