11/18/2015

IS IT TOO LATE TO ENSURE CONTINUITY OF ACCESS TO THE SCHOLARLY RECORD?

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1. From this moment on, who will have custody of society’s information?

2. From this moment on, who will control and govern the archival assets of society?

(Reich, 2006)
Focus on the (digital) Scholarly Record

“The Scholarly Record has a fuzzy edge”

“the printed journal has long served as the archival record of intellectual discourse.” (Abrahams and Rosenblum, 2003)

“that stable body of graphic information, upon which each discipline bases its discussions, and against which each discipline measures its progress.” (Atkinson, 1990)
... on what is published & content issued online as a 'continuing resource'

'The (published) Scholarly Record'

‘resources needed for scholarship’

Content changes over time (integrating)

‘Book-length work’

Online Continuing Resources ISSN

‘new research objects’

Issued in Parts (Serials)

Websites, Databases, Repositories

‘e-newsmedia’

‘e-magazines’

‘gov docs’

‘e-journals’

Conference proceedings

Threat to Continuity of the Scholarly (& Cultural) Record

Our Shared Task is to ensure researchers, students & their teachers have ease and continuing access to online resources needed for open scholarship

“ease”

access to content & tools

“continuing”

usability

licence to use

Open

back copy

archiving

preservation

Restricted
We’ve seen improved Ease of Access…
what was once available in print
on-shelf locally …
… is now online & accessed remotely,
‘anytime/anywhere’
(this is mostly due to publishers)

But what of
Continuity of Access?

Digital back copy is not in the custody of libraries

Libraries boast of ‘e-collections’,
but do they only have ‘e-connections’?

Picture credit: http://www.pocketblog.com/2008/01/21/library-tour/
“Such materials no longer reside in libraries, but are rather maintained exclusively in vendor databases around the world. While we have made every effort to compensate for this condition through our licenses, such legal safeguards remain clearly inadequate. The greatest single failure of research libraries in the past decade has been to allow this situation to evolve.

We must now take whatever steps are necessary to reverse this condition and to resume full responsibility for preserving those materials upon which scholarship will rely in future.”

(Atkinson 2006)

“Our institutional libraries are in retreat from their role in providing the scholarly archive.”

“a diverse patchwork of services … provided by cooperatives, national agencies, national libraries, publishers, disciplinary hub services and content archive stores […] all of which claim to operate on behalf of libraries and research.”

The Archive Layer (MacColl, 2012)
Emergence of Keepers of digital content

1. **Web-scale not-for-profit archiving agencies:**
   - BLOCKSS
   - PORTICO

2. **National libraries ...**
   - National Science Library, Chinese Academy of Sciences

3. **Research libraries: consortia & specialist centres ...**
   - Scholars Portal
   - HATHI TRUST
   - ADS Archaeology Data Service

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Many archiving organisations is a Good Thing 😊

“Digital information is best preserved by replicating it at multiple archives run by autonomous organizations”

B. Cooper and H. Garcia-Molina (2002)
How to know who is looking after what & how?
(and uncover what is still at risk)

SERVICES: user requirements

E-J Preservation Registry Service

E-Journal Preservation Registry

(a)

(b)

METADATA on preservation action

Digital Preservation Agencies
e.g. CLOCKSS, Portico; BL, KB;
UK LOCKSS Alliance etc.

ISSN Register at heart of the Data Model;
ISSN-L as kernel field

(Taken from Figure 1 in reference paper in Serials, March 2009)

Jisc

The Keepers Registry
Supporting long-term access to journal content

... to discover who is looking after what

Search

Input a search term (e.g. free text, or a title or ISSN(s))

Display example searches

Glossary and definitions

New!
Our Member Services provide additional resources to monitor the archival status of e-journal content. Find out more about our Member Services.

Current Statistics
- Serials with volumes reported as 'ingested and archived' by at least one Keeper: 21,103
- Serials with volumes reported as 'preserved and archived' by at least one Keeper: 20,320

Work on other serials (and volumes) is in progress.

News and Events
- 23rd June 2015: Changes to the Keepers Registry
- 26th April 2015: Research: Keepers Extra Personas (Part Two)
- 15th April 2015: Research: Keepers Extra Personas (Part One)
- 28th March 2014: Data from the new keepers
- 3rd December 2013: Image of Europe join the...
What’s the (scale of the) Present Danger?

The Keepers Registry reports titles ‘ingested & archived’ by at least 1 ‘keeper’:

- **16,558** in 2011,
- **21,557** in 2013,
- **27,463** as at May 2015

More archives reporting into Registry & more archiving!

- **9,785** 'ingested & archived' by 3 or more

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**Two Key Performance Indicators (KPIs)**

- **Ingest Ratio** = titles ingested by one or more Keeper / ‘online serials’ in ISSN Register
  
  \[
  \frac{28,103}{165,949} \text{ [as of June 2015]} \Rightarrow 17\%
  \]

- **KeepSafe Ratio** = titles being ingested by 3+ Keepers / ‘online serials’ in ISSN Register
  
  \[
  \frac{9,836}{165,949} \Rightarrow 6\%
  \]
Archival Status of e-Serials Requested

with usage logs for the UK OpenURL Router*

- 8.5m full text requests in UK during 2012
  => 53,311 online titles requested

Analysis in 2013:

‘Ingest Ratio’ = 32% (16,985/53,311)

=> over two thirds 68% (36,326 titles) held by none!

* As reported in Keepers Registry Blog, OpenURL Router passes ‘discovery’ requests to commercial OpenURL resolver services; developed & delivered by EDINA as part of Jisc support for UK universities & colleges

Archival Status of Requested e-Serials: Update

with usage logs for the UK OpenURL Router*

- 8.5m full text requests in UK during 2012
  => 53,311 online titles requested

Analysis carried out again in 2015:

‘Ingest Ratio’ = 36% (19,231/53,311) ; up by 2,246 (4%)

=> but still, 64% (34,080 titles) held by none!

‘KeepSafe Ratio’ = 20% (10,847/53,311) ; up by 2,985 (5%)
Using the Keepers Registry to check the archival status of the journals that are of key importance to you

New Service: [just launched last week]

Title List Comparison

- Upload list of ISSN & titles
- Receive back report on what is being archived & what is not

Register now for Member Services:

http://thekeepers.org

Evidence using Title List Comparison tool

In 2011/12 three major research libraries in the USA (Columbia, Cornell & Duke) checked archival status of serial titles regarded as important

<table>
<thead>
<tr>
<th>University Library</th>
<th>% 'Preserved' by 1 or more</th>
<th>% 'Preserved' by 3 or more</th>
<th>% Not known as 'Preserved'</th>
<th>Total having a valid ISSN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Columbia</td>
<td>26</td>
<td>12</td>
<td>74</td>
<td>58,882</td>
</tr>
<tr>
<td>Cornell</td>
<td>28</td>
<td>13</td>
<td>72</td>
<td>54,698</td>
</tr>
<tr>
<td>Duke</td>
<td>22</td>
<td>10</td>
<td>78</td>
<td>61,682</td>
</tr>
</tbody>
</table>

‘Ingest Ratio’ = 22% to 28% about a quarter

=> fate of c.75% is unknown

Known Archival Status of Online Continuing Resources

11/18/2015

If it's being kept safe then tell the Keepers Registry

Researchers (and therefore libraries) in any one country are dependent upon content written and published as serials in countries other than their own

<table>
<thead>
<tr>
<th>Country of Publication</th>
<th>Online Continuing Resources</th>
<th>Ingest Ratio %</th>
<th>Archived by 1+ keepers</th>
<th>Archived by 3+ keepers</th>
<th>KeepSafe Ratio %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switzerland</td>
<td>1688</td>
<td>15</td>
<td>62</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Sweden</td>
<td>1015</td>
<td>10</td>
<td>10</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td>8655</td>
<td>8</td>
<td>19</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>India</td>
<td>5248</td>
<td>7</td>
<td>87</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Poland</td>
<td>2693</td>
<td>7</td>
<td>23</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Russian Fed</td>
<td>2070</td>
<td>7</td>
<td>114</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Japan</td>
<td>2187</td>
<td>6</td>
<td>82</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>France</td>
<td>12118</td>
<td>5</td>
<td>160</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Italy</td>
<td>3576</td>
<td>5</td>
<td>34</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Spain</td>
<td>6556</td>
<td>4</td>
<td>30</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

BIG publishers act early but incompletely

The “Long Tail”

Priority:
find economic way to archive content from
very many ‘at risk’ e-journals from many (small & not so small) publishers
“A trend towards shared services makes the structure and planning for such frameworks more important. This is an important area requiring conscious coordination among libraries and higher education institutions. The governance of the organizations to which these responsibilities are entrusted also becomes a critical community issue.”

(Dempsey, 2015)

“right-scaling’: … finding the optimal level at which activities should be carried out. Libraries are going to have to think harder about both sourcing and scaling. What does it make sense to do at the institutional level? What does it make sense to do collaboratively at a different scale? What should be left entirely to other providers?”

(Dempsey 2015)
What should be done?

Accept responsibility for stewardship of collections

1. Use the Keepers Registry
2. Commit financial support for web-scale agencies, such as CLOCKSS & Portico: invest 1%
3. Contribute your collection development expertise
   • Use the Title List Comparison Tool in the Keepers Registry
4. Tell publishers, archiving agencies & national library
5. Consider options for collaborative action as IATUL
6. Avoid the 2020 Vision where you get the blame!

What can I do?

“the values [academic libraries] hold are of immense importance to a world in which knowledge has been transformed into intellectual property, the Web has been turned into a shopping platform, and social interaction online is used to collect and monetize our lives [...]. As the invisible infrastructure of our technological future is taking shape, society needs library values more than ever.”

(Fister, 2015)
Thank you & ‘Take The Long View’ in Edinburgh, 7th September 2015!
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