How eBook and Publishing Trends Impact Academic Libraries

Emerging Paradigms for the Academic Library eBook Acquisition and Use

Trends, Challenges and Opportunities

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CEO
This is Librarian Leigh stashing the 19,000 new ebooks we got this week! Read online ebrary
Customers by Region:

48.8% North America
51.2% International
2002—2008 CUSTOMER USAGE REPORT
Customer Usage Statistics showing total ebrary revenue, number of customers, user sessions, searches, page views, prints and copies by Month

<table>
<thead>
<tr>
<th>Year</th>
<th>2002</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer Count</td>
<td>56</td>
<td>226</td>
<td>485</td>
<td>739</td>
<td>1,016</td>
<td>1,403</td>
<td>1,536</td>
</tr>
<tr>
<td>User Sessions</td>
<td>44,462</td>
<td>541,952</td>
<td>2,518,540</td>
<td>5,659,069</td>
<td>12,699,658</td>
<td>17,492,534</td>
<td>–</td>
</tr>
<tr>
<td>Searches</td>
<td>75,640</td>
<td>846,744</td>
<td>3,813,183</td>
<td>8,695,166</td>
<td>17,441,882</td>
<td>16,198,846</td>
<td>–</td>
</tr>
<tr>
<td>Pages Viewed</td>
<td>279,563</td>
<td>4,708,196</td>
<td>16,781,107</td>
<td>41,732,077</td>
<td>74,178,816</td>
<td>102,672,524</td>
<td>–</td>
</tr>
<tr>
<td>Pages Printed</td>
<td>47,281</td>
<td>619,608</td>
<td>3,747,242</td>
<td>8,488,845</td>
<td>93,024,981</td>
<td>103,631,781</td>
<td>–</td>
</tr>
<tr>
<td>Pages Copied</td>
<td>6,825</td>
<td>116,001</td>
<td>476,656</td>
<td>3,735,268</td>
<td>2,371,304</td>
<td>2,972,792</td>
<td>–</td>
</tr>
</tbody>
</table>

This report was created from an SQL query generated by IS. Customer counts are calculated by counting enabled library channels.

For the first time in March, 2006 user sessions surpassed prints, copies and searches, and has maintained this trend.

We believe this to be one indicator of user behavioral change—users are getting access to ebrary from more than one source (their school's OPAC system), and the number of copies is gradually gaining on the number of prints, which we believe is due to more efficient usage behavior.
Detailed Usage Statistics

Month of 4/2008

<table>
<thead>
<tr>
<th>Action</th>
<th>Peak/Minute</th>
<th>Peak/Hour</th>
<th>Month Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>API Access</td>
<td>50</td>
<td>820</td>
<td>223K</td>
</tr>
<tr>
<td>Authentication</td>
<td>406</td>
<td>3.2K</td>
<td>1.6M</td>
</tr>
<tr>
<td>Bookshelf</td>
<td>142</td>
<td>217</td>
<td>85K</td>
</tr>
<tr>
<td>Credit Card</td>
<td>1</td>
<td>2</td>
<td>98</td>
</tr>
<tr>
<td>New Account</td>
<td>42</td>
<td>99</td>
<td>20K</td>
</tr>
<tr>
<td>Plugin Download</td>
<td>52</td>
<td>785</td>
<td>277K</td>
</tr>
<tr>
<td>Search</td>
<td>638</td>
<td>5K</td>
<td>1.8M</td>
</tr>
<tr>
<td>Document Open</td>
<td>2176</td>
<td>82K</td>
<td>3.6M</td>
</tr>
<tr>
<td>Page View</td>
<td>851</td>
<td>36K</td>
<td>15M</td>
</tr>
<tr>
<td>Copy</td>
<td>61</td>
<td>1.7K</td>
<td>495K</td>
</tr>
<tr>
<td>Print</td>
<td>135</td>
<td>3.8K</td>
<td>1.2M</td>
</tr>
<tr>
<td><strong>Total User Actions</strong></td>
<td></td>
<td></td>
<td><strong>27M</strong></td>
</tr>
<tr>
<td>Unique Sessions</td>
<td>345</td>
<td>14K</td>
<td>2.3M</td>
</tr>
<tr>
<td>Unique Documents</td>
<td>215</td>
<td>2.3K</td>
<td>69K</td>
</tr>
<tr>
<td>Unique External IPs</td>
<td>206</td>
<td>1.8K</td>
<td>241K</td>
</tr>
</tbody>
</table>
Libraries and their IT Departments

In many (unfortunate) cases, they have no common goal.
Traditional “Data” Stewardship

Traditional Media

• Papyrus: 3000+ years and going strong
• Low acid paper: (1,000 years+)
• Film: 140 years
• Paint: 21,000 years and going strong (French cave paintings)
Libraries and their IT Departments

It is better, when there is at least a common direction and vision.
Digital Data Stewardship

Media Life vs. Data Life:
• Hard Disk life = ~5 years
• Tape life = ~7-10 years (Annual re-tensioning required)
• CD-ROM/DVD = ~20 years
• Data life= 1 day to “Forever”
Libraries and their IT Departments

In some cases they are completely contained, or even IT driven
A simplified perspective of Library trends

- Professors' Papers
- Periodical Subscriptions with Archive Rights
- Dissertations
- Case Studies
- Electronic Reserves
- Course Packs
- Journals
- Databases
- Services
- Subscription Content
- Purchased Content
- OPAC/Union Catalog
- Students / Professors

Publishers
Distributors
Aggregators
Institutional Repository
Going Green? The Disk Drive Dilemma

- 1 PB = ~ 1,2000 1 TB Disk drives W/Parity
- A disk drive takes ~ 15 watts: 1,200 disks = 18 Kw @ $.32 Kwh. ($5.76/Hour) today
- 10 Years = 87,600 Hours
- 10 Power Cost: $504,576.00
- Double that to cool it: $1,009,152.00
- Better Estimate: $2 Million
“The future is already here, it is just not evenly distributed…”

—William Gibson