ARL Preservation Statistics 2006–2007

The quantitative tables presented in this publication are not indicative of performance and outcomes and should not be used as measures of library quality. In comparing any individual library to ARL medians or to other ARL members, one must be careful to make such comparisons within the context of differing institutional and local goals and characteristics.

Introduction .......................................................................................................................................................... 5
Graph 1: Bound Volumes Microfilmed .............................................................................................................. 6
Graph 2: Cumulative Bound Volumes Microfilmed and Digitized ..................................................................... 6
Table 1. Administration of Preservation Programs ............................................................................................. 7
Table 2. Position to Which Preservation Administrator Reports ........................................................................... 7
Table 3. Staffing Patterns of Preservation Programs by Number of Professionals .................................................. 8
Table 4. Staffing Patterns of Preservation Activities Library-wide ................................................................. 8
Table 5. Preservation Expenditures by Quartile ................................................................................................... 9
Graph 3: Preservation Expenditures 2006–2007 .............................................................................................. 9
Table 6. Conservation Treatment by Quartile ..................................................................................................... 10
Table 8. Staffing Patterns of Preservation Activities Library-wide by Size of Library .......................................... 12
Table 9. Preservation Expenditures by Size of Library ...................................................................................... 12
Table 10. Conservation Treatment by Size of Library ......................................................................................... 12
Table 11. Contract Binding by Size of Library .................................................................................................. 12

ARL Library Data Tables .................................................................................................................................. 17
Table 14: Personnel (FTE) ................................................................................................................................. 19
Table 14: Summary Data ..................................................................................................................................... 22
Table 15: Expenditures ...................................................................................................................................... 24
Table 15: Summary Data ..................................................................................................................................... 30
Table 16: Conservation Treatment, Binding, and Preservation Reformatting ......................................................... 32
Table 16: Summary Data ..................................................................................................................................... 38

ARL Preservation Statistics Worksheet, 2006–2007 .................................................................................... 41
ARL Preservation Statistics Questionnaire, 2006–2007 .................................................................................. 45
Footnotes to the ARL Preservation Statistics, 2006–2007 ............................................................................. 53
ARL Member Libraries as of January 1, 2008 ................................................................................................. 63
ARL Preservation Statistics 2006–2007 presents data from 113 US and Canadian research libraries that were members of the Association of Research Libraries during the 2006–2007 fiscal year.\(^1\) The ARL membership consisted of 113 university libraries and 10 independent research libraries (public or private) in 2006–2007.

**Major Findings**

Among the significant developments that took place in research libraries in the 1980s was the emergence of preservation programs as distinct administrative units, separately staffed, funded, and administered. There were 66 such programs reported in 1988, as many as 80 reported in recent years, and 78 in 2006–2007.\(^2\)

These rapidly shifting trends have made themselves evident in many categories. Preservation expenditures for ARL’s 113 reporting member libraries were $108,278,519 in 2006–2007, which reflects an increase of 3\% above inflation.\(^3\) Total preservation staff was the full-time equivalent (FTE) of 1,749 in 2006–2007, 2.7\% less than in 2005–2006. Level 1, 2, and 3 conservation treatment decreased from 2005–2006 levels and total conservation has decreased by more than 100,000 volumes in the past year. Microfilming activity also decreased over 100,000 volumes, to 48,623; the high microfilming values over the last three years evident in Graph 1 was due mostly to a reorganization of counting at the Library of Congress, which reported 121,386 volumes microfilmed in 2005–2006. Graph 2 shows the cumulative trend for both microfilmed and digitized bound volumes beginning in 1997.

---

1 Only 113 ARL member libraries are included in this data set. Alberta, Howard, Illinois-Chicago, Kent State, Manitoba, Missouri, Queens, Temple, the Canada Institute for Scientific and Technical Information, and the Center for Research Libraries did not submit responses to this survey.

2 Since 1994–1995, a preservation administrator has been defined as one who “spends at least 25\% of his or her time managing a partial or comprehensive preservation program.”

3 For more information on the survey revision, see page 8. Adjustments for inflation were computed using Consumer Price Index data retrieved from the US Department of Labor, Bureau of Labor Statistics’ Consumer Price Index for All Urban Consumers - (CPI-U), located at http://146.142.4.24/cgi-bin/surveymost?cu.
External Funding

Availability of external funds plays a critical role in preservation activities. In 1988, the National Endowment for the Humanities (NEH) began a multi-year, expanded cooperative preservation microfilming program, in which ARL libraries have participated extensively. However, it appears that cuts in the NEH budget have also negatively affected availability of external funding for preservation, which fell constantly from a high of $11,090,547 in 1992–1993 to a low of $4,917,732 in 1997–1998. Expenditures using external funds have varied, with the 2006–2007 figure of $6,399,703 representing a 2.1% increase from 2005–2006.
Analysis of Core Data for All Reporting Libraries

Organizational Structure

One way of measuring the progress of ARL libraries in their preservation efforts is to track the existence of preservation programs managed by a preservation administrator. The data offer persuasive evidence that preservation programs have become a standard unit in the majority of research libraries. As displayed in Table 1, 78 institutions indicated that the library has appointed a preservation administrator who devotes over 25% of their time exclusively to preservation and 56 libraries reported that their preservation programs are managed by a full-time preservation administrator.

<table>
<thead>
<tr>
<th>Table 1. Administration of Preservation Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time preservation administrator</td>
</tr>
<tr>
<td>Part-time preservation administrator who devotes 50% or more time to preservation activities, but not 100%</td>
</tr>
<tr>
<td>Part-time preservation administrator who devotes 25% to 50% of time to preservation activities</td>
</tr>
<tr>
<td>Preservation administrator with less than 25% of time to preservation activities or no preservation administrator</td>
</tr>
</tbody>
</table>

While most ARL libraries have separate preservation units, their placement is far from uniform. The 78 responses to the question on reporting relationships show that roughly the same number (~30%) of administrators report to the assistant/associate director for collection management or to the library director or associate library director (or an equivalent position, such as dean of libraries, etc.) The third most often cited reporting relationship is to the director of Technical Services; next, an “other” position, usually a director of a section not previously listed. Although the placement of preservation departments within the library structure varies, with few exceptions, the preservation administrator reports to senior library management.

<table>
<thead>
<tr>
<th>Table 2. Position to Which Preservation Administrator Reports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Director of Libraries/Associate Director</td>
</tr>
<tr>
<td>Assistant/Associate Director for Collection Management</td>
</tr>
<tr>
<td>Assistant/Associate Director for Technical Services</td>
</tr>
<tr>
<td>Assistant/Associate Director for Public Services</td>
</tr>
<tr>
<td>Other</td>
</tr>
</tbody>
</table>

Note: Two institutions reported having preservation administrators but did not provide titles.
Personnel

The size of the staff reporting to the preservation administrator is a key factor in defining a library’s level of preservation program development. Table 3, below, displays the relation between number of professional staff FTE and the number of support staff FTE and student assistant FTE in preservation units (a total of 78 programs reported). The preservation administrator is included in the number of professional staff.

Reporting accurate statistics regarding the number of FTE staff engaged in preservation activities library-wide has always been problematic. The variety and complexity of organizational structures make collecting the data a time-consuming and difficult burden for libraries. Even in libraries with large-scale preservation departments, the data show that there are preservation aspects in the work of almost every library unit and that preservation is a library-wide responsibility. The more decentralized preservation activities are, the more scattered preservation staff becomes, and thus providing accurate data is all the more difficult. Given these caveats, Table 4 shows the medians of staff in preservation programs, library-wide (with 113 libraries reporting data).

### Table 3. Staffing Patterns of Preservation Programs by Number of Professionals

<table>
<thead>
<tr>
<th>Number of Professionals</th>
<th>Median of Support Staff</th>
<th>Median of Student Assistants</th>
<th>Median of Total FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 or more</td>
<td>21.05%</td>
<td>8.22</td>
<td>3.00</td>
</tr>
<tr>
<td>2 – 3.9</td>
<td>36.84%</td>
<td>4.28</td>
<td>1.55</td>
</tr>
<tr>
<td>1 – 1.9</td>
<td>32.9%</td>
<td>3.00</td>
<td>1.00</td>
</tr>
<tr>
<td>Less than 1</td>
<td>9.21%</td>
<td>2.75</td>
<td>1.25</td>
</tr>
</tbody>
</table>

### Table 4. Staffing Patterns of Preservation Activities Library-wide

<table>
<thead>
<tr>
<th>Number of Professionals</th>
<th>Median of Support Staff</th>
<th>Median of Student Assistants</th>
<th>Median of Total FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 or more</td>
<td>29.36%</td>
<td>9.75</td>
<td>5.43</td>
</tr>
<tr>
<td>2 – 3.9</td>
<td>26.85%</td>
<td>5.00</td>
<td>2.50</td>
</tr>
<tr>
<td>1 – 1.9</td>
<td>21.30%</td>
<td>5.81</td>
<td>2.25</td>
</tr>
<tr>
<td>Less than 1</td>
<td>22.49%</td>
<td>3.03</td>
<td>0.90</td>
</tr>
</tbody>
</table>
Expenditures
The financial support for preservation activities in ARL university libraries during fiscal year 2006–2007 ranged from a reported low of $20,145 (Houston) to a high of $6.8 million (Harvard) with a median of $455,890. As a corollary, ARL university libraries spent between 0.12 percent and 6.22 percent of their total budgets on preservation.

Table 5 summarizes preservation expenditures by displaying the midpoint for three ranges for all reporting ARL libraries, including the Library of Congress, which alone spent more than $22 million on its preservation programs. Table 5 also indicates corresponding median preservation expenditures as a percentage of total operating expenditures and as a percentage of materials expenditures. Graph 3, above, highlights the allocation of preservation expenditures, based on data from all reporting ARL libraries. Local needs and capabilities determine the exact allocation of budgetary resources to various activities, but it is useful to look at the aggregate apportionment for ARL member libraries. The typical trends still hold true, with salaries and wages being the single largest biggest expenditure.

<table>
<thead>
<tr>
<th></th>
<th>Third Quartile</th>
<th>Median of All Responses</th>
<th>First Quartile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Preservation Expenditures</td>
<td>780,676</td>
<td>462,375</td>
<td>298,486</td>
</tr>
<tr>
<td>Preservation Expenditures as % of Total Library Expenditures</td>
<td>3.09%</td>
<td>2.03%</td>
<td>1.38%</td>
</tr>
<tr>
<td>Preservation Expenditures as % of Materials Expenditure</td>
<td>8.12%</td>
<td>5.24%</td>
<td>3.35%</td>
</tr>
</tbody>
</table>
**Conservation Treatment**

Conservation treatments encompass an array of activities as defined in the instructions that accompanied the survey. Beginning in 1989–1990, the amount of time required to complete conservation treatments has been used as a measure (i.e., “treatments that require 15 minutes or less to perform,” “more than 15 minutes but less than 2 hours,” and “more than 2 hours”). While the resulting data tell only how long the treatments take rather than how technically complex they are, the results are more reliable and do not invite simple assumptions about the nature of an institution’s conservation program. The table below provides information on the number of volumes that received minor (Level 1) treatment and the number of volumes that were given more time-consuming intermediate (Level 2) and major (Level 3) conservation treatment. It is recognized that significant differences exist in the nature of treatments performed.

<table>
<thead>
<tr>
<th>Third Quartile</th>
<th>Median of All Responses</th>
<th>First Quartile</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Volumes: Level 1 Treatment</td>
<td>6,405</td>
<td>3,216</td>
</tr>
<tr>
<td>Number of Volumes: Level 2 &amp; 3 Treatment</td>
<td>1,897</td>
<td>995</td>
</tr>
</tbody>
</table>

**Preservation Reformatting**

This section was revised substantially in 1997–1998 and patterns are just now beginning to emerge from the resulting data. Preservation reformatting questions distinguish between reformatting of (a) bound volumes/pamphlets, (b) single, unbound sheets, and (c) photographs and non-paper items (e.g.,

---

4 The survey was revised to address identified problems with the earlier versions of the questionnaire and to ask for new data elements (In some cases, in the form of optional questions). All critical data elements have been retained so libraries can continue to track comparable information over the past decade. In particular, the questionnaire was revised in the following manner:

- In the “conservation treatment,” “commercial binding,” and “preservation reformatting” categories, breakdowns identifying “in-house” vs. “contract” treatments have been eliminated and a composite figure is requested. This change eliminates half of the data categories while retaining all significant data. Outsourcing continues to be captured in the “expenditures” section of the survey, as in earlier versions.
- Confusion regarding photographs and non-paper items has been eliminated by separating “conservation” (repair of the original — question #19) from reformatting (copying of the original — question #24).
- For the purposes of streamlining, questions involving the number of titles and number of frames microfilmed have been eliminated, and a single measure of accomplishment — “number of volumes filmed” — has been retained. Data categories for microfilm and microfiche have been collapsed.
- The microfilming of unbound sheets has been broken out from bound-volume filming to yield clear, meaningful statistics. The same holds true for photocopying.
- Two optional questions regarding digitizing have been added (“number of bound volumes/pamphlets digitized” and “number of single, unbound sheets [manuscripts, maps, photographs] digitized”). In the instructions for the survey, “digitizing for preservation purposes” has been broadly defined.
audiotapes, motion picture film). Preservation reformatting tracks photocopying, microfilming, and digitizing for (a) bound volumes and (b) single sheets.

**ARL Preservation Statistics** actually under reports total microfilming among ARL members, as the reporting of preservation microfilming remains problematic. Although the best indicator of microfilm output is the total number of exposures or frames filmed, many libraries failed to report this figure. The survey revision was therefore designed to track only volumes, rather than titles and exposures; this figure is charted in Graph 1 and totals 48,623 volumes in 2006–2007. A separate question tracks single, unbound sheets microfilmed, which totaled 12,745,740 in 2006–2007 — a 9% increase from 2005–2006.

Digitizing bound volumes is gradually emerging as a viable preservation option. In 2006–2007, 53 ARL libraries reported digitizing bound volumes. The amount of items digitized varies widely, from one volume to 278,798 volumes.

**Analysis of Core Data by Size of Collection**

This section analyzes the organizational, fiscal, and functional components of preservation programs in relation to collection size. Many factors — including the age, nature and scope of the collection, the environmental conditions under which the collections have been housed, and the level of use — shape the ways in which a library’s preservation program develops. However, size of collection is the most important factor in measuring the level of preservation effort.

In 1991, ARL published preservation program benchmarks for selected core activities in the *Preservation Program Models* report, which were intended to serve as indicators of the level of effort that can be expected as a library’s preservation program develops. The benchmarks reflect targets and are a useful tool for measuring progress toward meeting preservation needs. The tables in this section parallel the four size groupings of ARL libraries used in the *Preservation Program Models* report: more than 5 million volumes, 3 to 5 million volumes, 2 to 3 million volumes, and less than 2 million volumes. For each group, the tables provide medians for personnel, budget, and production, which offer a composite measure for assessing the scale of local effort. These groups were used for the first time in the printed ARL Preservation Statistics 1996–1997. The benchmarks reflect an ideal progression of preservation program development, and provide a useful tool for comparing the level of preservation services needed with the current level. The size groupings and number of libraries in each category are:

| Group 1: | Over 5 million volumes (30 libraries) | 7 libraries in this group reported no Preservation Unit |
| Group 2: | 3 to 5 million volumes (45 libraries) | 13 libraries in this group reported no Preservation Unit |
| Group 3: | 2 to 3 million volumes (36 libraries) | 13 libraries in this group reported no Preservation Unit |
| Group 4: | Under 2 million volumes (2 libraries) | 1 library in this group reported no Preservation Unit |

The tables below summarize the responses in five categories for each of the four size groupings.

---


### Table 7. Staffing Patterns of Preservation Programs by Size of Library

<table>
<thead>
<tr>
<th>Group</th>
<th>Median of Professionals</th>
<th>Median of Support Staff</th>
<th>Median of Students</th>
<th>Median of Total FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1</td>
<td>3.00</td>
<td>6.05</td>
<td>1.61</td>
<td>11.50</td>
</tr>
<tr>
<td>Group 2</td>
<td>2.00</td>
<td>3.60</td>
<td>1.80</td>
<td>6.50</td>
</tr>
<tr>
<td>Group 3</td>
<td>1.00</td>
<td>2.75</td>
<td>1.00</td>
<td>4.63</td>
</tr>
<tr>
<td>Group 4</td>
<td>2.00</td>
<td>2.00</td>
<td>0</td>
<td>2.00</td>
</tr>
</tbody>
</table>

### Table 8. Staffing Patterns of Preservation Activities Library-wide by Size of Library

<table>
<thead>
<tr>
<th>Group</th>
<th>Median of Professionals</th>
<th>Median of Support Staff</th>
<th>Median of Students</th>
<th>Median of Total FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1</td>
<td>4.21</td>
<td>9.92</td>
<td>4.04</td>
<td>22.56</td>
</tr>
<tr>
<td>Group 2</td>
<td>2.07</td>
<td>5.50</td>
<td>2.98</td>
<td>10.11</td>
</tr>
<tr>
<td>Group 3</td>
<td>1.35</td>
<td>3.50</td>
<td>1.75</td>
<td>7.00</td>
</tr>
<tr>
<td>Group 4</td>
<td>1.01</td>
<td>1.13</td>
<td>0.75</td>
<td>2.51</td>
</tr>
</tbody>
</table>

### Table 9. Preservation Expenditures by Size of Library

<table>
<thead>
<tr>
<th>Group</th>
<th>Median of Total Preservation Expenditures</th>
<th>Median of Preservation Expenditures as % of Total Library Expenditures</th>
<th>Median of Preservation Expenditures as % of Materials Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1</td>
<td>1,281,703</td>
<td>3.01</td>
<td>8.25</td>
</tr>
<tr>
<td>Group 2</td>
<td>464,552</td>
<td>2.03</td>
<td>4.98</td>
</tr>
<tr>
<td>Group 3</td>
<td>331,350</td>
<td>1.84</td>
<td>4.57</td>
</tr>
<tr>
<td>Group 4</td>
<td>154,459</td>
<td>1.61</td>
<td>9.79</td>
</tr>
</tbody>
</table>

### Table 10. Conservation Treatment by Size of Library

<table>
<thead>
<tr>
<th>Group</th>
<th>Median of Level 1 Treatment</th>
<th>Median of Level 2 Treatment</th>
<th>Median of Level 3 Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1</td>
<td>4,674</td>
<td>1,212</td>
<td>351</td>
</tr>
<tr>
<td>Group 2</td>
<td>3,059</td>
<td>943</td>
<td>50</td>
</tr>
<tr>
<td>Group 3</td>
<td>1,446</td>
<td>689</td>
<td>7</td>
</tr>
<tr>
<td>Group 4</td>
<td>2,258</td>
<td>54</td>
<td>118</td>
</tr>
</tbody>
</table>

### Table 11. Contract Binding by Size of Library

<table>
<thead>
<tr>
<th>Group</th>
<th>Median of Contract Binding Expenditures</th>
<th>Median of Number of Volumes Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1</td>
<td>285,660</td>
<td>27,160</td>
</tr>
<tr>
<td>Group 2</td>
<td>122,154</td>
<td>13,282</td>
</tr>
<tr>
<td>Group 3</td>
<td>63,853</td>
<td>7,816</td>
</tr>
<tr>
<td>Group 4</td>
<td>25,994</td>
<td>3,263</td>
</tr>
</tbody>
</table>
Conclusion

ARL Preservation Statistics provides a broad range of quantitative data and should not be used as a measure of quality of preservation programs. Preservation efforts encompass a diverse array of activities, and there are substantial differences in the nature of preservation work. ARL Preservation Statistics cannot completely capture the richness, sheer variety, and full extent of each library’s preservation commitment. Much progress has been achieved, however, in increasing the consistency and hence comparability of the reported quantitative data.

ARL has released a report that provides a current picture of preservation activities in member libraries and makes recommendations about how libraries should characterize and measure those activities. The report by ARL Visiting Program Officer Lars Meyer, “Safeguarding Collections at the Dawn of the 21st Century: Describing Roles & Measuring Contemporary Preservation Activities in ARL Libraries,” responds to a recommendation of the 2006 ARL Task Force on the Future of Preservation in ARL Libraries. The task force encouraged ARL to conduct a high-level investigation of the range and balance of preservation activities represented among the ARL membership. Meyer’s report is a thoughtful and thorough qualitative examination of how research libraries’ preservation activities are evolving and expanding in the 21st century. He not only considered activities traditionally captured by ARL’s Preservation Statistics, but also a host of emerging activities largely, but not exclusively, centered on developing digital collections and involving collaborative efforts. The report is freely available at http://www.arl.org/bm/doc/safeguarding-collections.pdf.

Most of the data contained in the ARL Preservation Statistics are descriptive indices of preservation activities in research libraries, including preservation staffs, expenditures, and productivity. The data are also useful in determining the organization of preservation units and the components of preservation programs. Each library’s total expenditures and materials expenditures, as reported in ARL Statistics 2006–2007, are displayed in the tables together with the percentage of preservation expenditures. To aid comparability, expenditures of Canadian libraries are expressed in US dollars at the rate of 1.1323 Canadian dollars to one US dollar. This exchange rate is the average monthly noon exchange rate published in the Bank of Canada Review for the period from July 2006 to June 2007. Expenditures reported in Canadian dollars are given in the “Footnotes to the ARL Preservation Statistics.”

Those using ARL Preservation Statistics to compare activities in individual institutions will need to consult the definitions used in the instructions as well as the “Footnotes” section. Although the definitions and procedures used in the Preservation Statistics questionnaire aim to achieve consistency, variant reporting practices do exist among ARL libraries. Care should be taken in comparing this year’s data to data collected in previous years, taking into account the revisions in the questionnaire described earlier in this introduction.

Again, all the data in this publication are quantitative and descriptive and are not indicative of qualitative factors. When comparing any individual library preservation program to ARL medians or to other ARL members, one must be careful to make such comparisons within the context of differing institutional and local goals and preservations needs.

Association of Research Libraries
March 1, 2009
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Institutions Reporting</td>
<td>107</td>
<td>115</td>
<td>117</td>
<td>119</td>
<td>114</td>
<td>115</td>
<td>115</td>
<td>116</td>
</tr>
<tr>
<td>Number of Preservation Administrators</td>
<td>66</td>
<td>77</td>
<td>77</td>
<td>76</td>
<td>77</td>
<td>80</td>
<td>81</td>
<td>80</td>
</tr>
<tr>
<td>Total Staff Engaged in Preservation Activities Library-Wide</td>
<td>1,620.52</td>
<td>1,760.73</td>
<td>1,744.34</td>
<td>1,867.00</td>
<td>1,841.99</td>
<td>1,900.20</td>
<td>1,912.08</td>
<td>1,879.54</td>
</tr>
<tr>
<td>Total Preservation Expenditures</td>
<td>$60,714,802</td>
<td>$66,045,392</td>
<td>$70,705,449</td>
<td>$76,550,655</td>
<td>$76,793,364</td>
<td>$77,674,363</td>
<td>$79,164,226</td>
<td>$77,069,334</td>
</tr>
<tr>
<td>Conservation Treatment (volumes)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level 1</td>
<td>661,047*</td>
<td>687,897</td>
<td>672,567</td>
<td>1,038,934</td>
<td>669,616</td>
<td>683,305</td>
<td>666,623</td>
<td>610,927</td>
</tr>
<tr>
<td>Level 2</td>
<td>185,294*</td>
<td>277,370</td>
<td>273,825</td>
<td>265,891</td>
<td>265,848</td>
<td>246,475</td>
<td>233,946</td>
<td>230,870</td>
</tr>
<tr>
<td>Level 3</td>
<td>21,736*</td>
<td>35,323</td>
<td>18,629</td>
<td>24,459</td>
<td>24,241</td>
<td>23,729</td>
<td>25,814</td>
<td>22,453</td>
</tr>
<tr>
<td>Total</td>
<td>905,669*</td>
<td>1,003,126</td>
<td>965,075</td>
<td>1,334,786</td>
<td>964,375</td>
<td>991,254</td>
<td>957,091</td>
<td>919,714</td>
</tr>
<tr>
<td>Microfilming Treatment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titles</td>
<td>75,198</td>
<td>68,904</td>
<td>77,740</td>
<td>93,052</td>
<td>104,818</td>
<td>106,733</td>
<td>133,290</td>
<td>89,560</td>
</tr>
<tr>
<td>Volumes</td>
<td>60,502</td>
<td>92,093</td>
<td>123,233</td>
<td>204,934</td>
<td>124,455</td>
<td>127,650</td>
<td>173,646</td>
<td>154,805</td>
</tr>
<tr>
<td>Exposures</td>
<td>18,254,133</td>
<td>23,687,873</td>
<td>28,264,637</td>
<td>28,892,445</td>
<td>32,844,044</td>
<td>29,900,149</td>
<td>28,474,292</td>
<td>25,772,672</td>
</tr>
</tbody>
</table>


+ The *ARL Preservation Statistics* survey was revised in 1996–1997, eliminating certain categories, adding others, and changing the ways in which some items conserved are counted. These data reflect the pre-revision categories and counting methods. See the Introduction for details.

* In the 1988–1989 survey, conservation treatment was divided into Minor, Interim, and Major categories.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Institutions</td>
<td>115</td>
<td>118</td>
<td>114</td>
<td>110</td>
<td>113</td>
<td>116</td>
<td>115</td>
<td>109</td>
<td>107</td>
<td>111</td>
<td>113</td>
</tr>
<tr>
<td>Number of Preservation Administrators</td>
<td>83</td>
<td>82</td>
<td>81</td>
<td>77</td>
<td>82</td>
<td>81</td>
<td>78</td>
<td>77</td>
<td>74</td>
<td>77</td>
<td>78</td>
</tr>
<tr>
<td>Total Preservation Staff (Library-Wide)</td>
<td>1,742.57</td>
<td>1,825.53</td>
<td>1,765.70</td>
<td>1,753.29</td>
<td>1,800.04</td>
<td>1,835.31</td>
<td>1,746.62</td>
<td>1,634.77</td>
<td>1,707.36</td>
<td>1,799.56</td>
<td>1,749.13</td>
</tr>
<tr>
<td>Total Preservation Expenditures</td>
<td>$80,772,236</td>
<td>$83,340,852</td>
<td>$82,642,548</td>
<td>$85,842,245</td>
<td>$92,276,777</td>
<td>$96,575,155</td>
<td>$97,833,909</td>
<td>$97,812,776</td>
<td>$99,931,352</td>
<td>$107,937,836</td>
<td>$108,278,519</td>
</tr>
</tbody>
</table>

Conservation Treatment (volumes):

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 1</td>
<td>697,922</td>
<td>693,113</td>
<td>686,319</td>
<td>660,597</td>
<td>624,728</td>
<td>873,842</td>
<td>658,664</td>
<td>661,074</td>
<td>690,304</td>
<td>637,777</td>
<td>623,662</td>
</tr>
<tr>
<td>Level 2</td>
<td>213,064</td>
<td>241,538</td>
<td>207,114</td>
<td>254,296</td>
<td>222,995</td>
<td>183,437</td>
<td>174,868</td>
<td>167,155</td>
<td>156,815</td>
<td>250,649</td>
<td>152,842</td>
</tr>
<tr>
<td>Level 3</td>
<td>22,520</td>
<td>28,748</td>
<td>33,119</td>
<td>62,179</td>
<td>19,018</td>
<td>286,622</td>
<td>32,806</td>
<td>20,588</td>
<td>23,111</td>
<td>37,609</td>
<td>26,676</td>
</tr>
<tr>
<td>Total</td>
<td>933,506</td>
<td>963,405</td>
<td>919,038</td>
<td>976,658</td>
<td>867,593</td>
<td>1,343,598</td>
<td>868,293</td>
<td>839,961</td>
<td>870,230</td>
<td>926,035</td>
<td>803,180</td>
</tr>
</tbody>
</table>

Microfilming Treatment:

<table>
<thead>
<tr>
<th>Volumes</th>
<th>109,526</th>
<th>94,044</th>
<th>191,348</th>
<th>87,531</th>
<th>62,039</th>
<th>88,170</th>
<th>50,397</th>
<th>210,878</th>
<th>165,460</th>
<th>154,857</th>
<th>48,623</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Sheets</td>
<td>6,727,348</td>
<td>7,700,261</td>
<td>7,540,695</td>
<td>6,214,507</td>
<td>9,204,948</td>
<td>11,970,653</td>
<td>9,391,834</td>
<td>9,854,280</td>
<td>11,753,140</td>
<td>11,686,507</td>
<td>12,745,740</td>
</tr>
</tbody>
</table>


*The ARL Preservation Statistics survey was revised in 1996–1997, eliminating certain categories, adding others and changing the ways in which some items conserved are counted. These data reflect the post-revision categories and counting methods. See the Introduction for details.*
<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>Pres</th>
<th>% Time on Pres</th>
<th>Prof. Staff</th>
<th>Support Staff</th>
<th>Student Asst.</th>
<th>Total Staff</th>
<th>Pres</th>
<th>% Time on Pres</th>
<th>Prof. Staff</th>
<th>Support Staff</th>
<th>Student Asst.</th>
<th>Total Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALABAMA+</td>
<td>No</td>
<td>10</td>
<td>1.00</td>
<td>0.00</td>
<td>1.00</td>
<td>2.00</td>
<td>2.13</td>
<td>2.41</td>
<td>3.59</td>
<td>8.13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARIZONA</td>
<td>No</td>
<td>UA</td>
<td>1.00</td>
<td>0.00</td>
<td>0.50</td>
<td>1.50</td>
<td>2.05</td>
<td>3.50</td>
<td>2.85</td>
<td>8.40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARIZONA STATE+</td>
<td>No</td>
<td>UA</td>
<td>0.50</td>
<td>0.30</td>
<td>0.50</td>
<td>1.30</td>
<td>1.26</td>
<td>5.22</td>
<td>0.86</td>
<td>7.34</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUBURN+</td>
<td>Yes</td>
<td>100</td>
<td>3.00</td>
<td>0.00</td>
<td>2.00</td>
<td>5.00</td>
<td>8.20</td>
<td>1.20</td>
<td>13.50</td>
<td>22.90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BOSTON</td>
<td>Yes</td>
<td>100</td>
<td>4.00</td>
<td>1.00</td>
<td>12.00</td>
<td>17.00</td>
<td>2.50</td>
<td>3.00</td>
<td>1.50</td>
<td>7.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BOSTON COLLEGE</td>
<td>Yes</td>
<td>100</td>
<td>2.00</td>
<td>2.00</td>
<td>1.50</td>
<td>5.50</td>
<td>5.00</td>
<td>0.00</td>
<td>8.00</td>
<td>13.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BRIGHAM YOUNG+</td>
<td>No</td>
<td>UA</td>
<td>0.50</td>
<td>0.00</td>
<td>0.00</td>
<td>0.50</td>
<td>0.40</td>
<td>4.58</td>
<td>0.56</td>
<td>5.54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BRITISH COLUMBIA+</td>
<td>No</td>
<td>UA</td>
<td>0.50</td>
<td>0.00</td>
<td>0.00</td>
<td>0.50</td>
<td>2.00</td>
<td>0.00</td>
<td>2.00</td>
<td>10.30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BROWN+</td>
<td>Yes</td>
<td>70</td>
<td>2.00</td>
<td>4.00</td>
<td>1.50</td>
<td>7.50</td>
<td>2.50</td>
<td>3.00</td>
<td>1.50</td>
<td>7.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA BERKELEY+</td>
<td>Yes</td>
<td>100</td>
<td>7.90</td>
<td>8.22</td>
<td>3.65</td>
<td>19.77</td>
<td>14.08</td>
<td>12.67</td>
<td>7.47</td>
<td>34.22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA DAVIS</td>
<td>Yes</td>
<td>50</td>
<td>0.00</td>
<td>4.00</td>
<td>2.50</td>
<td>6.50</td>
<td>0.00</td>
<td>5.50</td>
<td>3.00</td>
<td>8.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA IRVINE</td>
<td>Yes</td>
<td>100</td>
<td>0.00</td>
<td>6.00</td>
<td>1.94</td>
<td>7.94</td>
<td>0.00</td>
<td>6.10</td>
<td>2.44</td>
<td>8.54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA LOS ANGELES+</td>
<td>Yes</td>
<td>25</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>2.00</td>
<td>6.97</td>
<td>5.25</td>
<td>14.22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA RIVERSIDE</td>
<td>Yes</td>
<td>100</td>
<td>1.00</td>
<td>3.63</td>
<td>2.58</td>
<td>7.21</td>
<td>1.70</td>
<td>4.45</td>
<td>2.67</td>
<td>8.82</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA SAN DIEGO+</td>
<td>Yes</td>
<td>55</td>
<td>0.55</td>
<td>3.47</td>
<td>1.92</td>
<td>5.94</td>
<td>1.68</td>
<td>8.99</td>
<td>3.21</td>
<td>13.88</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA SANTA BARBARA</td>
<td>Yes</td>
<td>100</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>0.20</td>
<td>3.50</td>
<td>3.00</td>
<td>6.70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONNECTICUT</td>
<td>Yes</td>
<td>100</td>
<td>2.00</td>
<td>2.00</td>
<td>1.00</td>
<td>5.00</td>
<td>1.00</td>
<td>3.00</td>
<td>1.00</td>
<td>5.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COLUMBIA+</td>
<td>Yes</td>
<td>100</td>
<td>7.00</td>
<td>16.10</td>
<td>2.94</td>
<td>26.04</td>
<td>9.40</td>
<td>19.97</td>
<td>5.06</td>
<td>34.43</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COLORADO+</td>
<td>Yes</td>
<td>100</td>
<td>2.00</td>
<td>1.90</td>
<td>1.34</td>
<td>5.24</td>
<td>2.08</td>
<td>2.20</td>
<td>1.34</td>
<td>5.62</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CORNHILL</td>
<td>Yes</td>
<td>100</td>
<td>1.00</td>
<td>2.90</td>
<td>0.30</td>
<td>4.20</td>
<td>1.30</td>
<td>2.90</td>
<td>0.30</td>
<td>4.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DARTMOUTH+</td>
<td>Yes</td>
<td>100</td>
<td>2.00</td>
<td>6.00</td>
<td>1.03</td>
<td>9.03</td>
<td>2.00</td>
<td>7.48</td>
<td>1.08</td>
<td>10.56</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DELAWARE</td>
<td>Yes</td>
<td>100</td>
<td>1.00</td>
<td>4.00</td>
<td>2.54</td>
<td>7.54</td>
<td>1.25</td>
<td>4.75</td>
<td>4.17</td>
<td>10.17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DUKE</td>
<td>Yes</td>
<td>125</td>
<td>2.80</td>
<td>7.00</td>
<td>1.00</td>
<td>10.80</td>
<td>2.83</td>
<td>7.48</td>
<td>1.00</td>
<td>11.31</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMORY+</td>
<td>Yes</td>
<td>100</td>
<td>3.00</td>
<td>2.25</td>
<td>0.73</td>
<td>5.98</td>
<td>3.67</td>
<td>3.32</td>
<td>1.47</td>
<td>8.46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FLORIDA+</td>
<td>Yes</td>
<td>100</td>
<td>3.00</td>
<td>3.60</td>
<td>0.75</td>
<td>7.35</td>
<td>3.00</td>
<td>5.60</td>
<td>1.00</td>
<td>9.60</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FLORIDA STATE</td>
<td>No</td>
<td>UA</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEORGE WASHINGTON+</td>
<td>No</td>
<td>0</td>
<td>0.00</td>
<td>0.50</td>
<td>0.00</td>
<td>0.50</td>
<td>0.28</td>
<td>3.05</td>
<td>0.00</td>
<td>3.33</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEORGETOWN</td>
<td>Yes</td>
<td>50</td>
<td>0.50</td>
<td>0.00</td>
<td>0.00</td>
<td>0.50</td>
<td>0.50</td>
<td>3.50</td>
<td>0.45</td>
<td>4.45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEORGIA+</td>
<td>Yes</td>
<td>100</td>
<td>1.00</td>
<td>2.50</td>
<td>0.91</td>
<td>4.41</td>
<td>8.75</td>
<td>16.61</td>
<td>9.93</td>
<td>35.29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEORGIA TECH+</td>
<td>Yes</td>
<td>100</td>
<td>3.00</td>
<td>3.00</td>
<td>5.00</td>
<td>11.00</td>
<td>7.00</td>
<td>7.00</td>
<td>5.00</td>
<td>19.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GUELPH+</td>
<td>No</td>
<td>UA</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.25</td>
<td>0.75</td>
<td>1.01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HARVARD+</td>
<td>Yes</td>
<td>100</td>
<td>35.49</td>
<td>38.07</td>
<td>4.20</td>
<td>77.76</td>
<td>47.21</td>
<td>64.42</td>
<td>7.99</td>
<td>119.62</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HAWAII+</td>
<td>Yes</td>
<td>100</td>
<td>9.00</td>
<td>1.00</td>
<td>4.50</td>
<td>14.50</td>
<td>9.00</td>
<td>1.00</td>
<td>6.50</td>
<td>16.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HOUSTON+</td>
<td>No</td>
<td>UA</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ILLINOIS URBANA+</td>
<td>Yes</td>
<td>30</td>
<td>4.55</td>
<td>4.51</td>
<td>7.06</td>
<td>16.12</td>
<td>5.52</td>
<td>9.35</td>
<td>7.69</td>
<td>22.56</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institution</td>
<td>Adm?</td>
<td>(Survey Question Number)</td>
<td>Pres Staff</td>
<td>Support Staff</td>
<td>Student Asst.</td>
<td>Total Staff</td>
<td>Prof. Staff</td>
<td>Support Staff</td>
<td>Student Asst.</td>
<td>Total Staff</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------</td>
<td>------</td>
<td>--------------------------</td>
<td>-----------</td>
<td>---------------</td>
<td>---------------</td>
<td>-------------</td>
<td>-------------</td>
<td>---------------</td>
<td>---------------</td>
<td>-------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INDIANA</td>
<td>Yes</td>
<td>100</td>
<td>4.00</td>
<td>5.00</td>
<td>2.50</td>
<td>11.50</td>
<td>4.00</td>
<td>5.00</td>
<td>2.50</td>
<td>11.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IOWA+</td>
<td>Yes</td>
<td>100</td>
<td>2.00</td>
<td>9.00</td>
<td>4.52</td>
<td>15.52</td>
<td>2.05</td>
<td>10.35</td>
<td>5.10</td>
<td>17.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IOWA STATE+</td>
<td>Yes</td>
<td>100</td>
<td>2.10</td>
<td>7.00</td>
<td>1.60</td>
<td>10.70</td>
<td>2.10</td>
<td>7.00</td>
<td>1.60</td>
<td>10.70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JOHNS HOPKINS</td>
<td>Yes</td>
<td>100</td>
<td>3.02</td>
<td>4.85</td>
<td>1.25</td>
<td>9.12</td>
<td>3.19</td>
<td>5.75</td>
<td>1.28</td>
<td>10.22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KANSAS+</td>
<td>Yes</td>
<td>100</td>
<td>3.75</td>
<td>2.50</td>
<td>3.00</td>
<td>9.25</td>
<td>4.30</td>
<td>4.31</td>
<td>4.75</td>
<td>13.36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KENTUCKY+</td>
<td>Yes</td>
<td>100</td>
<td>3.00</td>
<td>4.80</td>
<td>3.75</td>
<td>11.55</td>
<td>4.30</td>
<td>9.47</td>
<td>11.19</td>
<td>24.96</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAVALL+</td>
<td>Yes</td>
<td>25</td>
<td>1.58</td>
<td>4.00</td>
<td>0.00</td>
<td>5.58</td>
<td>1.50</td>
<td>6.00</td>
<td>2.50</td>
<td>10.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOUISIANA STATE+</td>
<td>No</td>
<td>100</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>2.50</td>
<td>3.40</td>
<td>6.00</td>
<td>11.90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOUISVILLE</td>
<td>No</td>
<td>100</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>3.00</td>
<td>3.00</td>
<td>6.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCGILL+</td>
<td>Yes</td>
<td>60</td>
<td>3.75</td>
<td>6.05</td>
<td>0.57</td>
<td>10.37</td>
<td>4.92</td>
<td>11.87</td>
<td>3.15</td>
<td>19.94</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MICHIGAN+</td>
<td>Yes</td>
<td>100</td>
<td>3.75</td>
<td>2.50</td>
<td>3.00</td>
<td>9.25</td>
<td>4.30</td>
<td>4.31</td>
<td>4.75</td>
<td>13.36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MICHIGAN STATE+</td>
<td>Yes</td>
<td>25</td>
<td>2.25</td>
<td>6.00</td>
<td>3.75</td>
<td>12.00</td>
<td>2.50</td>
<td>7.00</td>
<td>5.00</td>
<td>14.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MINNESOTA+</td>
<td>No</td>
<td>2</td>
<td>0.02</td>
<td>1.35</td>
<td>0.90</td>
<td>2.27</td>
<td>0.16</td>
<td>8.23</td>
<td>1.92</td>
<td>10.31</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MONTREAL+</td>
<td>No</td>
<td>100</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>1.23</td>
<td>5.81</td>
<td>0.00</td>
<td>7.04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEBRASKA</td>
<td>Yes</td>
<td>33</td>
<td>1.00</td>
<td>4.00</td>
<td>3.00</td>
<td>8.00</td>
<td>1.40</td>
<td>5.50</td>
<td>3.00</td>
<td>9.90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEW MEXICO+</td>
<td>No</td>
<td>100</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>1.35</td>
<td>10.46</td>
<td>2.82</td>
<td>14.63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEW YORK+</td>
<td>Yes</td>
<td>100</td>
<td>4.00</td>
<td>4.25</td>
<td>2.50</td>
<td>10.75</td>
<td>6.95</td>
<td>5.44</td>
<td>9.13</td>
<td>21.52</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NORTH CAROLINA+</td>
<td>Yes</td>
<td>100</td>
<td>1.00</td>
<td>5.51</td>
<td>0.93</td>
<td>7.44</td>
<td>7.26</td>
<td>13.33</td>
<td>7.99</td>
<td>28.58</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NORTH CAROLINA STATE+</td>
<td>Yes</td>
<td>100</td>
<td>2.00</td>
<td>4.00</td>
<td>1.83</td>
<td>7.83</td>
<td>2.98</td>
<td>5.53</td>
<td>4.27</td>
<td>12.78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NORTHWESTERN+</td>
<td>Yes</td>
<td>100</td>
<td>3.75</td>
<td>6.25</td>
<td>3.08</td>
<td>13.08</td>
<td>4.26</td>
<td>11.79</td>
<td>5.31</td>
<td>21.36</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NOTRE DAME</td>
<td>Yes</td>
<td>100</td>
<td>2.00</td>
<td>5.80</td>
<td>3.27</td>
<td>11.07</td>
<td>2.93</td>
<td>6.98</td>
<td>3.71</td>
<td>13.62</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OHIO+</td>
<td>Yes</td>
<td>90</td>
<td>1.50</td>
<td>1.50</td>
<td>1.50</td>
<td>4.50</td>
<td>2.50</td>
<td>2.75</td>
<td>1.75</td>
<td>7.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OHIO STATE</td>
<td>Yes</td>
<td>25</td>
<td>3.00</td>
<td>6.60</td>
<td>3.60</td>
<td>13.20</td>
<td>4.20</td>
<td>14.10</td>
<td>8.30</td>
<td>26.60</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OKLAHOMA</td>
<td>No</td>
<td>0</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.93</td>
<td>2.15</td>
<td>1.75</td>
<td>4.83</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OKLAHOMA STATE+</td>
<td>No</td>
<td>100</td>
<td>1.50</td>
<td>11.33</td>
<td>7.67</td>
<td>20.50</td>
<td>1.60</td>
<td>13.43</td>
<td>12.47</td>
<td>27.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OREGON+</td>
<td>Yes</td>
<td>75</td>
<td>0.75</td>
<td>2.75</td>
<td>1.25</td>
<td>4.75</td>
<td>2.25</td>
<td>4.25</td>
<td>5.50</td>
<td>12.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PENNSYLVANIA+</td>
<td>No</td>
<td>0</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.70</td>
<td>5.20</td>
<td>3.00</td>
<td>8.90</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PENNSYLVANIA STATE+</td>
<td>Yes</td>
<td>100</td>
<td>5.25</td>
<td>6.75</td>
<td>0.00</td>
<td>12.00</td>
<td>6.25</td>
<td>9.75</td>
<td>0.50</td>
<td>16.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PURDUE+</td>
<td>No</td>
<td>100</td>
<td>1.00</td>
<td>4.00</td>
<td>0.25</td>
<td>5.25</td>
<td>2.50</td>
<td>4.50</td>
<td>2.50</td>
<td>9.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RICE</td>
<td>Yes</td>
<td>50</td>
<td>2.00</td>
<td>2.50</td>
<td>2.00</td>
<td>6.50</td>
<td>2.50</td>
<td>4.00</td>
<td>3.00</td>
<td>9.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RUTGERS+</td>
<td>No</td>
<td>100</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>1.83</td>
<td>2.05</td>
<td>1.01</td>
<td>4.89</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institution</td>
<td>Pres</td>
<td>% Time on Pres</td>
<td>Prof. Staff</td>
<td>Support Staff</td>
<td>Student Asst.</td>
<td>Total Staff</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>------</td>
<td>----------------</td>
<td>-------------</td>
<td>---------------</td>
<td>--------------</td>
<td>------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SASKATCHEWAN+</strong></td>
<td>No</td>
<td>UA</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SOUTH CAROLINA</strong></td>
<td>Yes</td>
<td>100</td>
<td>1.00</td>
<td>3.00</td>
<td>0.00</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SOUTHERN CALIFORNIA</strong></td>
<td>Yes</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SOUTHERN ILLINOIS</strong></td>
<td>No</td>
<td>UA</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUNY-ALBANY</strong></td>
<td>Yes</td>
<td>100</td>
<td>2.00</td>
<td>1.00</td>
<td>0.99</td>
<td>3.99</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUNY-BUFFALO</strong></td>
<td>Yes</td>
<td>100</td>
<td>3.75</td>
<td>1.00</td>
<td>1.75</td>
<td>6.50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUNY-STONY BROOK</strong></td>
<td>Yes</td>
<td>90</td>
<td>0.90</td>
<td>1.00</td>
<td>0.33</td>
<td>2.23</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SYRACUSE+</strong></td>
<td>No</td>
<td>20</td>
<td>1.20</td>
<td>3.00</td>
<td>0.11</td>
<td>4.31</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TENNESSEE</strong></td>
<td>Yes</td>
<td>100</td>
<td>1.00</td>
<td>4.00</td>
<td>2.00</td>
<td>7.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TEXAS+</strong></td>
<td>Yes</td>
<td>100</td>
<td>9.50</td>
<td>15.00</td>
<td>5.93</td>
<td>30.43</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TEXAS A&amp;M+</strong></td>
<td>Yes</td>
<td>25</td>
<td>0.25</td>
<td>0.50</td>
<td>0.50</td>
<td>1.25</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TEXAS TECH+</strong></td>
<td>Yes</td>
<td>100</td>
<td>1.00</td>
<td>1.00</td>
<td>UA</td>
<td>2.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TORONTO+</strong></td>
<td>No</td>
<td>UA</td>
<td>3.00</td>
<td>9.00</td>
<td>0.00</td>
<td>UA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>UTAH</strong></td>
<td>Yes</td>
<td>100</td>
<td>1.00</td>
<td>6.00</td>
<td>3.50</td>
<td>10.50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>VANDERBILT+</strong></td>
<td>Yes</td>
<td>100</td>
<td>1.00</td>
<td>5.50</td>
<td>0.00</td>
<td>6.50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>VIRGINIA+</strong></td>
<td>Yes</td>
<td>100</td>
<td>1.10</td>
<td>2.00</td>
<td>1.50</td>
<td>4.60</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>VIRGINIA TECH</strong></td>
<td>Yes</td>
<td>25</td>
<td>1.00</td>
<td>2.00</td>
<td>1.00</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WASHINGTON</strong></td>
<td>Yes</td>
<td>100</td>
<td>2.00</td>
<td>0.45</td>
<td>0.77</td>
<td>3.22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WASHINGTON STATE</strong></td>
<td>No</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WASHINGTON U.-ST. LOUIS+</strong></td>
<td>Yes</td>
<td>100</td>
<td>1.00</td>
<td>6.00</td>
<td>1.00</td>
<td>8.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WATERLOO+</strong></td>
<td>No</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WAYNE STATE+</strong></td>
<td>No</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WESTERN ONTARIO+</strong></td>
<td>No</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WISCONSIN+</strong></td>
<td>Yes</td>
<td>100</td>
<td>1.03</td>
<td>3.50</td>
<td>2.00</td>
<td>6.53</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>YALE</strong></td>
<td>Yes</td>
<td>100</td>
<td>7.20</td>
<td>14.23</td>
<td>1.50</td>
<td>22.93</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>YORK+</strong></td>
<td>No</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>BOSTON PUBLIC</strong></td>
<td>No</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LIBRARY OF CONGRESS+</strong></td>
<td>Yes</td>
<td>100</td>
<td>63.00</td>
<td>38.00</td>
<td>3.00</td>
<td>104.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NATL AGRICULTURAL LIBRARY+</strong></td>
<td>Yes</td>
<td>100</td>
<td>1.00</td>
<td>0.00</td>
<td>0.12</td>
<td>1.12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LIBRARY &amp; ARCHIVES CANADA+</strong></td>
<td>Yes</td>
<td>100</td>
<td>131.00</td>
<td>UA</td>
<td>UA</td>
<td>131.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NATL LIBRARY OF MEDICINE</strong></td>
<td>Yes</td>
<td>50</td>
<td>5.50</td>
<td>5.50</td>
<td>3.00</td>
<td>14.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NEW YORK PUBLIC</strong></td>
<td>Yes</td>
<td>100</td>
<td>8.50</td>
<td>30.00</td>
<td>UA</td>
<td>38.50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NEW YORK STATE</strong></td>
<td>Yes</td>
<td>30</td>
<td>2.00</td>
<td>7.00</td>
<td>1.00</td>
<td>10.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SMITHSONIAN+</strong></td>
<td>Yes</td>
<td>100</td>
<td>2.00</td>
<td>2.00</td>
<td>0.00</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

+ – See footnotes  
UA/NA – Unavailable or Not Applicable
### Table 14: Summary Data

<table>
<thead>
<tr>
<th></th>
<th>Preservation Unit</th>
<th>Library-wide</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Prof. Staff</td>
<td>Support Staff</td>
</tr>
<tr>
<td>University Libraries</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td>1.50</td>
<td>3.49</td>
</tr>
<tr>
<td>Totals</td>
<td>204.41</td>
<td>354.97</td>
</tr>
<tr>
<td>Number of Libraries Reporting</td>
<td>82</td>
<td>82</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonuniversity Libraries</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td>5.50</td>
<td>6.25</td>
</tr>
<tr>
<td>Totals</td>
<td>213.00</td>
<td>82.50</td>
</tr>
<tr>
<td>Number of Libraries Reporting</td>
<td>7</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GRAND TOTALS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td>2.00</td>
<td>3.55</td>
</tr>
<tr>
<td>Totals</td>
<td>417.41</td>
<td>437.47</td>
</tr>
<tr>
<td>Number of Libraries Reporting</td>
<td>89</td>
<td>88</td>
</tr>
</tbody>
</table>
### Table 15: Expenditures

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>Total Salaries</th>
<th>Conservation</th>
<th>Binding</th>
<th>Photocopies</th>
<th>Microfilm</th>
<th>Other</th>
<th>Total</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALABAMA+</td>
<td>87,521</td>
<td>0</td>
<td>71,754</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>71,754</td>
<td>44,382</td>
</tr>
<tr>
<td>ARIZONA</td>
<td>103,153</td>
<td>11,578</td>
<td>37,500</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>49,078</td>
<td>31,652</td>
</tr>
<tr>
<td>ARIZONA STATE+</td>
<td>221,427</td>
<td>2,943</td>
<td>178,235</td>
<td>0</td>
<td>3,856</td>
<td>0</td>
<td>192,855</td>
<td>23,748</td>
</tr>
<tr>
<td>AUBURN+</td>
<td>233,442</td>
<td>0</td>
<td>50,084</td>
<td>0</td>
<td>736</td>
<td>0</td>
<td>50,820</td>
<td>13,938</td>
</tr>
<tr>
<td>BOSTON</td>
<td>438,299</td>
<td>0</td>
<td>148,475</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>148,475</td>
<td>22,144</td>
</tr>
<tr>
<td>BOSTON COLLEGE</td>
<td>312,262</td>
<td>0</td>
<td>122,387</td>
<td>812</td>
<td>0</td>
<td>0</td>
<td>123,199</td>
<td>7,679</td>
</tr>
<tr>
<td>BRIGHAM YOUNG+</td>
<td>427,946</td>
<td>UA</td>
<td>244,874</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>244,874</td>
<td>UA</td>
</tr>
<tr>
<td>BRITISH COLUMBIA+</td>
<td>179,564</td>
<td>0</td>
<td>164,350</td>
<td>0</td>
<td>15,081</td>
<td>0</td>
<td>179,431</td>
<td>4,548</td>
</tr>
<tr>
<td>BROWN+</td>
<td>372,323</td>
<td>23,491</td>
<td>181,750</td>
<td>3,363</td>
<td>0</td>
<td>30,905</td>
<td>239,509</td>
<td>53,245</td>
</tr>
<tr>
<td>CALIFORNIA BERKELEY+</td>
<td>1,521,469</td>
<td>50,391</td>
<td>988,512</td>
<td>6,113</td>
<td>111,692</td>
<td>37,830</td>
<td>1,194,538</td>
<td>30,889</td>
</tr>
<tr>
<td>CALIFORNIA DAVIS</td>
<td>176,504</td>
<td>0</td>
<td>136,926</td>
<td>1,868</td>
<td>3,194</td>
<td>0</td>
<td>141,988</td>
<td>23,400</td>
</tr>
<tr>
<td>CALIFORNIA IRVINE</td>
<td>253,344</td>
<td>4,978</td>
<td>51,617</td>
<td>0</td>
<td>11,020</td>
<td>0</td>
<td>13,507</td>
<td>30,155</td>
</tr>
<tr>
<td>CALIFORNIA LOS ANGELES+</td>
<td>553,279</td>
<td>20,860</td>
<td>429,429</td>
<td>0</td>
<td>8,688</td>
<td>129,003</td>
<td>587,980</td>
<td>87,415</td>
</tr>
<tr>
<td>CALIFORNIA RIVERSIDE</td>
<td>237,013</td>
<td>239,642</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>239,642</td>
<td>11,997</td>
</tr>
<tr>
<td>CALIFORNIA SAN DIEGO+</td>
<td>554,119</td>
<td>0</td>
<td>261,695</td>
<td>0</td>
<td>3,559</td>
<td>6,133</td>
<td>271,387</td>
<td>33,681</td>
</tr>
<tr>
<td>CALIFORNIA SANTA BARBARA</td>
<td>147,289</td>
<td>0</td>
<td>114,826</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>114,826</td>
<td>34,243</td>
</tr>
<tr>
<td>CASE WESTERN RESERVE+</td>
<td>188,495</td>
<td>0</td>
<td>91,556</td>
<td>0</td>
<td>2,960</td>
<td>0</td>
<td>94,516</td>
<td>5,729</td>
</tr>
<tr>
<td>CHICAGO+</td>
<td>1,009,351</td>
<td>85,525</td>
<td>388,469</td>
<td>0</td>
<td>0</td>
<td>162,326</td>
<td>636,320</td>
<td>77,536</td>
</tr>
<tr>
<td>CINCINNATI</td>
<td>133,007</td>
<td>125,578</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>125,578</td>
<td>9,960</td>
</tr>
<tr>
<td>COLORADO+</td>
<td>469,648</td>
<td>12,101</td>
<td>85,215</td>
<td>618</td>
<td>0</td>
<td>7,330</td>
<td>105,264</td>
<td>21,754</td>
</tr>
<tr>
<td>COLORADO STATE</td>
<td>168,839</td>
<td>0</td>
<td>54,081</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>57,300</td>
<td>14,749</td>
</tr>
<tr>
<td>COLUMBIA+</td>
<td>1,231,561</td>
<td>204,068</td>
<td>408,961</td>
<td>85,005</td>
<td>241,875</td>
<td>128,266</td>
<td>1,068,175</td>
<td>69,042</td>
</tr>
<tr>
<td>CONNECTICUT</td>
<td>296,470</td>
<td>375</td>
<td>182,668</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>183,043</td>
<td>20,107</td>
</tr>
<tr>
<td>CORNELL+</td>
<td>UA</td>
<td>UA</td>
<td>166,825</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
</tr>
<tr>
<td>DARTMOUTH+</td>
<td>385,631</td>
<td>0</td>
<td>90,201</td>
<td>1,903</td>
<td>536</td>
<td>0</td>
<td>92,640</td>
<td>12,268</td>
</tr>
<tr>
<td>DELAWARE</td>
<td>262,185</td>
<td>15,052</td>
<td>75,405</td>
<td>2,840</td>
<td>0</td>
<td>0</td>
<td>93,297</td>
<td>20,061</td>
</tr>
<tr>
<td>DUKE</td>
<td>392,317</td>
<td>13,966</td>
<td>184,550</td>
<td>0</td>
<td>0</td>
<td>17,684</td>
<td>216,200</td>
<td>72,376</td>
</tr>
<tr>
<td>EMORY+</td>
<td>370,259</td>
<td>0</td>
<td>115,800</td>
<td>4,699</td>
<td>0</td>
<td>0</td>
<td>120,499</td>
<td>25,862</td>
</tr>
<tr>
<td>FLORIDA+</td>
<td>299,636</td>
<td>11,983</td>
<td>129,475</td>
<td>0</td>
<td>0</td>
<td>17,500</td>
<td>158,958</td>
<td>5,958</td>
</tr>
<tr>
<td>FLORIDA STATE</td>
<td>12,891</td>
<td>0</td>
<td>26,418</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>26,418</td>
<td>6,969</td>
</tr>
<tr>
<td>GEORGE WASHINGTON+</td>
<td>161,126</td>
<td>0</td>
<td>126,576</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>126,576</td>
<td>2,291</td>
</tr>
<tr>
<td>GEORGE WASHINGTON</td>
<td>177,167</td>
<td>0</td>
<td>128,963</td>
<td>16,372</td>
<td>0</td>
<td>0</td>
<td>145,335</td>
<td>4,471</td>
</tr>
<tr>
<td>GEORGIA+</td>
<td>850,559</td>
<td>68,177</td>
<td>254,099</td>
<td>0</td>
<td>0</td>
<td>11,000</td>
<td>333,276</td>
<td>96,405</td>
</tr>
<tr>
<td>GEORGIA TECH+</td>
<td>518,000</td>
<td>0</td>
<td>44,004</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>44,004</td>
<td>7,000</td>
</tr>
<tr>
<td>GUELPH+</td>
<td>11,923</td>
<td>0</td>
<td>27,839</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>27,839</td>
<td>14,257</td>
</tr>
<tr>
<td>HARVARD+</td>
<td>5,133,781</td>
<td>188,181</td>
<td>984,589</td>
<td>12,678</td>
<td>36,419</td>
<td>214,587</td>
<td>1,436,454</td>
<td>284,289</td>
</tr>
<tr>
<td>HAWAII+</td>
<td>314,863</td>
<td>0</td>
<td>116,739</td>
<td>314</td>
<td>16,314</td>
<td>351</td>
<td>133,718</td>
<td>24,844</td>
</tr>
<tr>
<td>HOUSTON+</td>
<td>5,700</td>
<td>2,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,000</td>
<td>12,445</td>
</tr>
</tbody>
</table>

24 · ARL Preservation Statistics 2006–2007
<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>(10)</th>
<th>(11)</th>
<th>(12)</th>
<th>(12a)</th>
<th>(12b)</th>
<th>(12c)</th>
<th>(12d)</th>
<th>Survey Question Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALABAMA</td>
<td>100</td>
<td>203,757</td>
<td>0</td>
<td>15,501,146</td>
<td>1.31</td>
<td>7,032,660</td>
<td>2.90</td>
<td></td>
</tr>
<tr>
<td>ARIZONA</td>
<td>100,000</td>
<td>283,883</td>
<td>0</td>
<td>30,769,327</td>
<td>0.92</td>
<td>12,573,693</td>
<td>2.26</td>
<td></td>
</tr>
<tr>
<td>ARIZONA STATE</td>
<td>0</td>
<td>438,030</td>
<td>0</td>
<td>27,730,343</td>
<td>1.58</td>
<td>12,192,366</td>
<td>3.59</td>
<td></td>
</tr>
<tr>
<td>AUBURN</td>
<td>0</td>
<td>298,200</td>
<td>25,117</td>
<td>12,904,149</td>
<td>2.31</td>
<td>5,543,546</td>
<td>5.38</td>
<td></td>
</tr>
<tr>
<td>BOSTON</td>
<td>0</td>
<td>608,918</td>
<td>0</td>
<td>18,916,916</td>
<td>3.22</td>
<td>8,087,754</td>
<td>7.53</td>
<td></td>
</tr>
<tr>
<td>BOSTON COLLEGE</td>
<td>1,350</td>
<td>444,490</td>
<td>0</td>
<td>18,217,616</td>
<td>2.44</td>
<td>8,483,648</td>
<td>5.24</td>
<td></td>
</tr>
<tr>
<td>BRIGHAM YOUNG</td>
<td>UA</td>
<td>672,820</td>
<td>UA</td>
<td>25,159,442</td>
<td>2.67</td>
<td>9,594,560</td>
<td>7.01</td>
<td></td>
</tr>
<tr>
<td>BRITISH COLUMBIA</td>
<td>0</td>
<td>363,543</td>
<td>88</td>
<td>32,863,086</td>
<td>1.11</td>
<td>14,967,690</td>
<td>2.43</td>
<td></td>
</tr>
<tr>
<td>BROWN</td>
<td>2,808</td>
<td>667,885</td>
<td>0</td>
<td>19,231,881</td>
<td>3.47</td>
<td>8,630,487</td>
<td>4.61</td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA BERKELEY</td>
<td>0</td>
<td>2,746,896</td>
<td>263,344</td>
<td>53,231,754</td>
<td>5.16</td>
<td>19,715,862</td>
<td>13.93</td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA DAVIS</td>
<td>4,356</td>
<td>346,248</td>
<td>0</td>
<td>21,002,377</td>
<td>1.65</td>
<td>8,791,741</td>
<td>3.94</td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA IRVINE</td>
<td>33,618</td>
<td>398,239</td>
<td>0</td>
<td>20,426,194</td>
<td>1.95</td>
<td>8,630,487</td>
<td>4.61</td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA LOS ANGELES</td>
<td>0</td>
<td>1,228,674</td>
<td>6,075</td>
<td>51,792,128</td>
<td>2.37</td>
<td>14,893,015</td>
<td>8.25</td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA RIVERSIDE</td>
<td>0</td>
<td>488,652</td>
<td>0</td>
<td>15,079,576</td>
<td>3.24</td>
<td>6,176,930</td>
<td>7.91</td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA SAN DIEGO</td>
<td>15,069</td>
<td>874,256</td>
<td>46,188</td>
<td>28,240,980</td>
<td>3.10</td>
<td>8,501,529</td>
<td>10.28</td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA SANTA BARBARA</td>
<td>34,243</td>
<td>330,601</td>
<td>835,253</td>
<td>60,071,960</td>
<td>3.98</td>
<td>22,247,648</td>
<td>10.75</td>
<td></td>
</tr>
<tr>
<td>CASE WESTERN RESERVE</td>
<td>59,079</td>
<td>347,819</td>
<td>0</td>
<td>13,382,448</td>
<td>2.60</td>
<td>6,332,322</td>
<td>5.49</td>
<td></td>
</tr>
<tr>
<td>CASE WESTERN RESERVE</td>
<td>8,650</td>
<td>1,731,857</td>
<td>207,495</td>
<td>31,966,296</td>
<td>5.42</td>
<td>16,130,090</td>
<td>10.74</td>
<td></td>
</tr>
<tr>
<td>CINCINNATI</td>
<td>5,498</td>
<td>602,164</td>
<td>7,197</td>
<td>19,555,663</td>
<td>3.08</td>
<td>9,633,354</td>
<td>6.25</td>
<td></td>
</tr>
<tr>
<td>COLORADO</td>
<td>UA</td>
<td>240,888</td>
<td>26,064</td>
<td>14,165,408</td>
<td>1.70</td>
<td>6,279,281</td>
<td>3.84</td>
<td></td>
</tr>
<tr>
<td>COLORADO STATE</td>
<td>23,817</td>
<td>2,392,595</td>
<td>835,253</td>
<td>60,071,960</td>
<td>3.98</td>
<td>22,247,648</td>
<td>10.75</td>
<td></td>
</tr>
<tr>
<td>COLUMBIA</td>
<td>0</td>
<td>499,620</td>
<td>0</td>
<td>25,071,952</td>
<td>1.99</td>
<td>8,917,973</td>
<td>5.60</td>
<td></td>
</tr>
<tr>
<td>CONNECTICUT</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>43,832,341</td>
<td>0.42</td>
<td>15,012,671</td>
<td>UA</td>
<td></td>
</tr>
<tr>
<td>CORNELL</td>
<td>2,427</td>
<td>492,966</td>
<td>88,917</td>
<td>18,340,292</td>
<td>2.69</td>
<td>8,399,585</td>
<td>5.87</td>
<td></td>
</tr>
<tr>
<td>DARTMOUTH</td>
<td>1,365</td>
<td>376,908</td>
<td>0</td>
<td>17,442,850</td>
<td>2.16</td>
<td>8,380,119</td>
<td>4.50</td>
<td></td>
</tr>
<tr>
<td>DELAWARE</td>
<td>299</td>
<td>681,192</td>
<td>6,047</td>
<td>35,769,252</td>
<td>1.90</td>
<td>16,736,707</td>
<td>4.07</td>
<td></td>
</tr>
<tr>
<td>DUKE</td>
<td>2,556</td>
<td>519,176</td>
<td>8,887</td>
<td>33,741,980</td>
<td>1.54</td>
<td>15,885,660</td>
<td>3.27</td>
<td></td>
</tr>
<tr>
<td>EMORY</td>
<td>0</td>
<td>464,552</td>
<td>0</td>
<td>28,841,337</td>
<td>1.61</td>
<td>11,844,826</td>
<td>3.92</td>
<td></td>
</tr>
<tr>
<td>FLORIDA</td>
<td>0</td>
<td>46,278</td>
<td>0</td>
<td>15,197,764</td>
<td>0.30</td>
<td>6,840,347</td>
<td>0.68</td>
<td></td>
</tr>
<tr>
<td>GEORGE WASHINGTON</td>
<td>705</td>
<td>290,698</td>
<td>0</td>
<td>23,153,326</td>
<td>1.26</td>
<td>10,130,875</td>
<td>2.87</td>
<td></td>
</tr>
<tr>
<td>GEORGE WASHINGTON</td>
<td>2,941</td>
<td>329,914</td>
<td>0</td>
<td>24,299,359</td>
<td>1.36</td>
<td>10,811,711</td>
<td>3.05</td>
<td></td>
</tr>
<tr>
<td>GEORGE WASHINGTON</td>
<td>78,522</td>
<td>1,358,762</td>
<td>330,737</td>
<td>23,703,488</td>
<td>5.73</td>
<td>11,819,042</td>
<td>11.50</td>
<td></td>
</tr>
<tr>
<td>GEORGIA TECH</td>
<td>31,624</td>
<td>600,628</td>
<td>31,624</td>
<td>12,032,660</td>
<td>4.99</td>
<td>5,913,698</td>
<td>10.16</td>
<td></td>
</tr>
<tr>
<td>GEORGIA TECH</td>
<td>0</td>
<td>54,018</td>
<td>0</td>
<td>12,217,636</td>
<td>0.44</td>
<td>5,408,772</td>
<td>1.00</td>
<td></td>
</tr>
<tr>
<td>GEORGIA TECH</td>
<td>44,587</td>
<td>6,899,111</td>
<td>160,000</td>
<td>110,849,458</td>
<td>6.22</td>
<td>29,677,074</td>
<td>23.25</td>
<td></td>
</tr>
<tr>
<td>GEORGIA TECH</td>
<td>2,970</td>
<td>476,395</td>
<td>0</td>
<td>18,534,243</td>
<td>2.57</td>
<td>7,859,038</td>
<td>6.06</td>
<td></td>
</tr>
<tr>
<td>GEORGIA TECH</td>
<td>0</td>
<td>20,145</td>
<td>2,000</td>
<td>17,117,492</td>
<td>0.12</td>
<td>8,296,080</td>
<td>0.24</td>
<td></td>
</tr>
</tbody>
</table>

**Table 15: Expenditures**

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Total</th>
<th>Total</th>
<th>Total</th>
<th>Preservation</th>
<th>Total</th>
<th>Preservation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preservation</td>
<td>Expenditures</td>
<td>Expenditures</td>
<td>from</td>
<td>Library</td>
<td>Expenditures</td>
<td>Expenditures</td>
</tr>
<tr>
<td>(10)</td>
<td>(11)</td>
<td>(12)</td>
<td>(12a)</td>
<td>(12b)</td>
<td>(12c)</td>
<td>(12d)</td>
</tr>
</tbody>
</table>

ARL Library Data Tables 2006–2007 · 25
<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>Total Salaries</th>
<th>Conservation</th>
<th>Binding</th>
<th>Photocopies</th>
<th>Microfilm</th>
<th>Other</th>
<th>Total</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(7)</td>
<td>(8a)</td>
<td>(8b)</td>
<td>(8c)</td>
<td>(8d)</td>
<td>(8e)</td>
<td>(8)</td>
<td>(9)</td>
</tr>
<tr>
<td>ILLINOIS URBANA</td>
<td>679,645</td>
<td>88,364</td>
<td>260,900</td>
<td>87,541</td>
<td>213,509</td>
<td>126,081</td>
<td>776,395</td>
<td>57,415</td>
</tr>
<tr>
<td>INDIANA</td>
<td>278,388</td>
<td>UA</td>
<td>156,570</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>156,570</td>
<td>54,803</td>
</tr>
<tr>
<td>IOWA+</td>
<td>642,561</td>
<td>0</td>
<td>156,377</td>
<td>0</td>
<td>7,627</td>
<td>36,871</td>
<td>200,875</td>
<td>65,897</td>
</tr>
<tr>
<td>IOWA STATE+</td>
<td>402,895</td>
<td>0</td>
<td>138,837</td>
<td>13,553</td>
<td>1,055</td>
<td>11,913</td>
<td>165,358</td>
<td>36,534</td>
</tr>
<tr>
<td>JOHNS HOPKINS</td>
<td>313,023</td>
<td>0</td>
<td>69,737</td>
<td>75</td>
<td>UA</td>
<td>2,520</td>
<td>79,726</td>
<td>19,384</td>
</tr>
<tr>
<td>KANSAS+</td>
<td>396,220</td>
<td>0</td>
<td>110,939</td>
<td>3,802</td>
<td>0</td>
<td>0</td>
<td>114,741</td>
<td>55,625</td>
</tr>
<tr>
<td>KENTUCKY+</td>
<td>519,347</td>
<td>10,178</td>
<td>128,615</td>
<td>0</td>
<td>15,601</td>
<td>24,008</td>
<td>178,402</td>
<td>91,597</td>
</tr>
<tr>
<td>LAVAL+</td>
<td>200,220</td>
<td>UA</td>
<td>UA</td>
<td>13,000</td>
<td>0</td>
<td>0</td>
<td>59,523</td>
<td>27,027</td>
</tr>
<tr>
<td>LOUISIANA STATE+</td>
<td>89,000</td>
<td>0</td>
<td>46,523</td>
<td>0</td>
<td>1,647</td>
<td>68,003</td>
<td>121,621</td>
<td>6,624</td>
</tr>
<tr>
<td>LOUISVILLE</td>
<td>142,820</td>
<td>0</td>
<td>67,711</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>67,711</td>
<td>8,802</td>
</tr>
<tr>
<td>MCGILL+</td>
<td>253,466</td>
<td>7,598</td>
<td>208,423</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>216,020</td>
<td>10,290</td>
</tr>
<tr>
<td>McMURRAY+</td>
<td>108,765</td>
<td>0</td>
<td>51,970</td>
<td>0</td>
<td>1,055</td>
<td>11,913</td>
<td>165,358</td>
<td>52,018</td>
</tr>
<tr>
<td>MARYLAND+</td>
<td>546,152</td>
<td>23,831</td>
<td>150,000</td>
<td>18,950</td>
<td>36,590</td>
<td>95,194</td>
<td>324,565</td>
<td>52,018</td>
</tr>
<tr>
<td>MASSACHUSETTS</td>
<td>179,771</td>
<td>0</td>
<td>60,037</td>
<td>0</td>
<td>1,330</td>
<td>35</td>
<td>61,402</td>
<td>9,089</td>
</tr>
<tr>
<td>MIT</td>
<td>472,257</td>
<td>43,482</td>
<td>203,818</td>
<td>623</td>
<td>0</td>
<td>19,543</td>
<td>267,466</td>
<td>11,341</td>
</tr>
<tr>
<td>MIAMI</td>
<td>375,054</td>
<td>0</td>
<td>117,479</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>171,479</td>
<td>28,524</td>
</tr>
<tr>
<td>MICHIGAN+</td>
<td>810,123</td>
<td>11,676</td>
<td>391,083</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>278,113</td>
<td>28,534</td>
</tr>
<tr>
<td>MICHIGAN STATE+</td>
<td>369,210</td>
<td>7,500</td>
<td>199,000</td>
<td>300</td>
<td>0</td>
<td>65,200</td>
<td>272,000</td>
<td>18,240</td>
</tr>
<tr>
<td>MINNESOTA+</td>
<td>338,815</td>
<td>79,744</td>
<td>318,053</td>
<td>33,679</td>
<td>0</td>
<td>0</td>
<td>431,494</td>
<td>10,367</td>
</tr>
<tr>
<td>MONTREAL+</td>
<td>211,342</td>
<td>3,197</td>
<td>69,166</td>
<td>0</td>
<td>13,654</td>
<td>0</td>
<td>86,017</td>
<td>8,605</td>
</tr>
<tr>
<td>NEBRASKA</td>
<td>253,810</td>
<td>38,986</td>
<td>132,324</td>
<td>0</td>
<td>11,172</td>
<td>11,852</td>
<td>194,334</td>
<td>3,800</td>
</tr>
<tr>
<td>NEW MEXICO+</td>
<td>304,834</td>
<td>0</td>
<td>71,832</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>71,832</td>
<td>15,354</td>
</tr>
<tr>
<td>NEW YORK+</td>
<td>867,368</td>
<td>26,147</td>
<td>531,621</td>
<td>0</td>
<td>7,846</td>
<td>79,814</td>
<td>645,428</td>
<td>32,901</td>
</tr>
<tr>
<td>NORTH CAROLINA</td>
<td>939,992</td>
<td>21,816</td>
<td>238,572</td>
<td>UA</td>
<td>UA</td>
<td>1,400</td>
<td>261,788</td>
<td>67,559</td>
</tr>
<tr>
<td>NORTH CAROLINA STATE+</td>
<td>325,394</td>
<td>13,230</td>
<td>163,179</td>
<td>10,076</td>
<td>0</td>
<td>5,435</td>
<td>191,920</td>
<td>14,417</td>
</tr>
<tr>
<td>NORTHWESTERN+</td>
<td>766,109</td>
<td>31,946</td>
<td>165,016</td>
<td>116,624</td>
<td>13,478</td>
<td>126,183</td>
<td>453,247</td>
<td>16,796</td>
</tr>
<tr>
<td>NOTRE DAME</td>
<td>384,656</td>
<td>7,447</td>
<td>98,568</td>
<td>7,304</td>
<td>0</td>
<td>296,940</td>
<td>410,259</td>
<td>55,320</td>
</tr>
<tr>
<td>OHIO+</td>
<td>227,330</td>
<td>2,364</td>
<td>44,069</td>
<td>0</td>
<td>3,031</td>
<td>1,414</td>
<td>50,878</td>
<td>16,178</td>
</tr>
<tr>
<td>OHIO STATE</td>
<td>823,782</td>
<td>6,457</td>
<td>313,373</td>
<td>26,089</td>
<td>2,272</td>
<td>40,358</td>
<td>388,549</td>
<td>82,199</td>
</tr>
<tr>
<td>OKLAHOMA</td>
<td>89,886</td>
<td>53,336</td>
<td>128,937</td>
<td>3,200</td>
<td>0</td>
<td>0</td>
<td>185,473</td>
<td>3,650</td>
</tr>
<tr>
<td>OKLAHOMA STATE+</td>
<td>198,507</td>
<td>3,265</td>
<td>34,951</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>38,216</td>
<td>11,751</td>
</tr>
<tr>
<td>OREGON+</td>
<td>293,202</td>
<td>19,846</td>
<td>90,430</td>
<td>0</td>
<td>6,199</td>
<td>116,475</td>
<td>19,190</td>
<td>19,190</td>
</tr>
<tr>
<td>PENNSYLVANIA</td>
<td>261,265</td>
<td>15,950</td>
<td>285,660</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>301,610</td>
<td>38,741</td>
</tr>
<tr>
<td>PENNSYLVANIA STATE+</td>
<td>733,988</td>
<td>36,521</td>
<td>332,817</td>
<td>0</td>
<td>38,139</td>
<td>254,055</td>
<td>661,532</td>
<td>38,113</td>
</tr>
<tr>
<td>PITTSBURGH</td>
<td>332,398</td>
<td>0</td>
<td>172,175</td>
<td>0</td>
<td>14,799</td>
<td>58,956</td>
<td>245,930</td>
<td>20,237</td>
</tr>
<tr>
<td>PRINCETON</td>
<td>872,219</td>
<td>0</td>
<td>541,275</td>
<td>23,819</td>
<td>0</td>
<td>55,792</td>
<td>620,886</td>
<td>76,747</td>
</tr>
<tr>
<td>PURDUE+</td>
<td>283,099</td>
<td>0</td>
<td>129,371</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>129,371</td>
<td>10,019</td>
</tr>
<tr>
<td>RICE</td>
<td>247,900</td>
<td>0</td>
<td>49,691</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>49,691</td>
<td>19,022</td>
</tr>
</tbody>
</table>

Table 15: Expenditures

(Survey Question Number) (7) (8a) (8b) (8c) (8d) (8e) (8) (9)
<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>Library Expenditures</th>
<th>Preservation Expenditures</th>
<th>Expenditures from External Sources</th>
<th>Library Equipment Expenditures*</th>
<th>Total Library Expenditures</th>
<th>Preservation % of Total Library Expenditures</th>
<th>Preservation % of Total Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILLINOIS URBANA</td>
<td>1,513,455</td>
<td>31,653</td>
<td>41,919,073</td>
<td>3.61</td>
<td>14,530,720</td>
<td>10.42</td>
<td></td>
</tr>
<tr>
<td>INDIANA</td>
<td>501,643</td>
<td>20,000</td>
<td>33,641,171</td>
<td>1.49</td>
<td>13,222,486</td>
<td>3.79</td>
<td></td>
</tr>
<tr>
<td>IOWA</td>
<td>923,225</td>
<td>27,374</td>
<td>26,647,407</td>
<td>3.46</td>
<td>13,026,345</td>
<td>7.09</td>
<td></td>
</tr>
<tr>
<td>IOWA STATE</td>
<td>606,263</td>
<td>0</td>
<td>18,395,012</td>
<td>3.30</td>
<td>9,245,223</td>
<td>6.56</td>
<td></td>
</tr>
<tr>
<td>JOHNS HOPKINS</td>
<td>440,079</td>
<td>17,678</td>
<td>31,807,561</td>
<td>1.38</td>
<td>14,195,323</td>
<td>3.10</td>
<td></td>
</tr>
<tr>
<td>KANSAS</td>
<td>573,142</td>
<td>0</td>
<td>21,156,733</td>
<td>2.71</td>
<td>8,602,406</td>
<td>6.66</td>
<td></td>
</tr>
<tr>
<td>KENTUCKY</td>
<td>934,910</td>
<td>217,107</td>
<td>20,920,715</td>
<td>4.47</td>
<td>10,075,915</td>
<td>9.28</td>
<td></td>
</tr>
<tr>
<td>LAVAL</td>
<td>296,100</td>
<td>0</td>
<td>18,371,110</td>
<td>1.61</td>
<td>9,224,402</td>
<td>3.21</td>
<td></td>
</tr>
<tr>
<td>LOUISIANA STATE</td>
<td>175,550</td>
<td>13,000</td>
<td>14,526,765</td>
<td>1.21</td>
<td>7,608,658</td>
<td>2.31</td>
<td></td>
</tr>
<tr>
<td>LOUISVILLE</td>
<td>219,333</td>
<td>0</td>
<td>16,560,259</td>
<td>1.32</td>
<td>6,332,778</td>
<td>3.46</td>
<td></td>
</tr>
<tr>
<td>MCGILL</td>
<td>479,777</td>
<td>13,866</td>
<td>27,836,885</td>
<td>1.72</td>
<td>12,172,462</td>
<td>3.94</td>
<td></td>
</tr>
<tr>
<td>MCMASTER</td>
<td>237,010</td>
<td>0</td>
<td>15,213,067</td>
<td>1.56</td>
<td>7,019,041</td>
<td>3.38</td>
<td></td>
</tr>
<tr>
<td>MARYLAND</td>
<td>929,933</td>
<td>123,614</td>
<td>24,069,990</td>
<td>3.86</td>
<td>9,401,463</td>
<td>9.89</td>
<td></td>
</tr>
<tr>
<td>MASSACHUSETTS</td>
<td>262,461</td>
<td>0</td>
<td>15,197,898</td>
<td>1.73</td>
<td>5,854,922</td>
<td>4.48</td>
<td></td>
</tr>
<tr>
<td>MIT</td>
<td>756,182</td>
<td>0</td>
<td>23,421,666</td>
<td>3.23</td>
<td>8,228,345</td>
<td>9.19</td>
<td></td>
</tr>
<tr>
<td>MIAMI</td>
<td>531,577</td>
<td>25,000</td>
<td>25,941,411</td>
<td>2.05</td>
<td>13,828,140</td>
<td>3.84</td>
<td></td>
</tr>
<tr>
<td>MICHIGAN</td>
<td>1,523,260</td>
<td>0</td>
<td>50,591,407</td>
<td>3.01</td>
<td>20,521,937</td>
<td>7.42</td>
<td></td>
</tr>
<tr>
<td>MICHIGAN STATE</td>
<td>659,450</td>
<td>37,100</td>
<td>24,458,354</td>
<td>2.70</td>
<td>10,562,324</td>
<td>6.24</td>
<td></td>
</tr>
<tr>
<td>MINNESOTA</td>
<td>780,676</td>
<td>0</td>
<td>39,927,096</td>
<td>1.96</td>
<td>15,695,613</td>
<td>4.97</td>
<td></td>
</tr>
<tr>
<td>MONTREAL</td>
<td>305,964</td>
<td>0</td>
<td>28,153,803</td>
<td>1.09</td>
<td>10,533,596</td>
<td>2.90</td>
<td></td>
</tr>
<tr>
<td>NEBRASKA</td>
<td>451,944</td>
<td>50,158</td>
<td>14,632,237</td>
<td>3.09</td>
<td>6,226,322</td>
<td>7.26</td>
<td></td>
</tr>
<tr>
<td>NEW MEXICO</td>
<td>392,020</td>
<td>0</td>
<td>22,653,088</td>
<td>1.73</td>
<td>7,081,803</td>
<td>5.54</td>
<td></td>
</tr>
<tr>
<td>NEW YORK</td>
<td>1,586,162</td>
<td>410,788</td>
<td>42,669,230</td>
<td>3.72</td>
<td>16,402,378</td>
<td>9.67</td>
<td></td>
</tr>
<tr>
<td>NORTH CAROLINA</td>
<td>1,281,703</td>
<td>354,574</td>
<td>35,425,976</td>
<td>3.62</td>
<td>14,551,148</td>
<td>8.81</td>
<td></td>
</tr>
<tr>
<td>NORTH CAROLINA STATE</td>
<td>531,731</td>
<td>53,655</td>
<td>27,262,569</td>
<td>1.95</td>
<td>9,090,707</td>
<td>5.85</td>
<td></td>
</tr>
<tr>
<td>NORTHWESTERN</td>
<td>1,236,152</td>
<td>70,000</td>
<td>27,457,411</td>
<td>4.50</td>
<td>12,911,252</td>
<td>9.57</td>
<td></td>
</tr>
<tr>
<td>NOTRE DAME</td>
<td>860,235</td>
<td>296,940</td>
<td>23,257,537</td>
<td>3.70</td>
<td>10,496,179</td>
<td>8.20</td>
<td></td>
</tr>
<tr>
<td>OHIO</td>
<td>298,486</td>
<td>0</td>
<td>12,349,302</td>
<td>2.42</td>
<td>5,333,771</td>
<td>5.60</td>
<td></td>
</tr>
<tr>
<td>OHIO STATE</td>
<td>1,303,276</td>
<td>6,375</td>
<td>32,480,575</td>
<td>4.01</td>
<td>11,448,889</td>
<td>11.38</td>
<td></td>
</tr>
<tr>
<td>OKLAHOMA</td>
<td>281,694</td>
<td>0</td>
<td>20,844,144</td>
<td>1.35</td>
<td>12,966,567</td>
<td>2.17</td>
<td></td>
</tr>
<tr>
<td>OKLAHOMA STATE</td>
<td>252,781</td>
<td>11,313</td>
<td>16,147,363</td>
<td>1.57</td>
<td>6,713,308</td>
<td>3.77</td>
<td></td>
</tr>
<tr>
<td>PENNSYLVANIA</td>
<td>1,451,156</td>
<td>369,087</td>
<td>50,251,356</td>
<td>2.86</td>
<td>18,306,551</td>
<td>7.93</td>
<td></td>
</tr>
<tr>
<td>PENNSYLVANIA STATE</td>
<td>601,616</td>
<td>0</td>
<td>35,258,073</td>
<td>1.71</td>
<td>14,426,982</td>
<td>4.17</td>
<td></td>
</tr>
<tr>
<td>Pitts-BURGH</td>
<td>428,867</td>
<td>0</td>
<td>14,988,631</td>
<td>2.86</td>
<td>6,159,104</td>
<td>6.96</td>
<td></td>
</tr>
<tr>
<td>PRINCETON</td>
<td>1,571,679</td>
<td>26,310</td>
<td>41,813,758</td>
<td>3.76</td>
<td>18,428,119</td>
<td>8.53</td>
<td></td>
</tr>
<tr>
<td>PURDUE</td>
<td>459,836</td>
<td>37,298</td>
<td>24,904,422</td>
<td>1.85</td>
<td>10,073,561</td>
<td>4.56</td>
<td></td>
</tr>
<tr>
<td>RICE</td>
<td>331,825</td>
<td>0</td>
<td>16,450,416</td>
<td>2.02</td>
<td>9,889,566</td>
<td>3.36</td>
<td></td>
</tr>
</tbody>
</table>
## Table 15: Expenditures

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>Total Salaries</th>
<th>Conservation</th>
<th>Binding</th>
<th>Photocopies</th>
<th>Microfilm</th>
<th>Other</th>
<th>Total</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Survey Question Number)</td>
<td>(7)</td>
<td>(8a)</td>
<td>(8b)</td>
<td>(8c)</td>
<td>(8d)</td>
<td>(8e)</td>
<td>(8)</td>
<td>(9)</td>
</tr>
<tr>
<td>ROCHESTER</td>
<td>293,089</td>
<td>35,019</td>
<td>79,035</td>
<td>5,416</td>
<td>0</td>
<td>9,200</td>
<td>128,670</td>
<td>24,260</td>
</tr>
<tr>
<td>RUTGERS+</td>
<td>195,979</td>
<td>0</td>
<td>102,955</td>
<td>0</td>
<td>0</td>
<td>5,560</td>
<td>108,515</td>
<td>17,527</td>
</tr>
<tr>
<td>SASKATCHEWAN+</td>
<td>155,892</td>
<td>0</td>
<td>51,923</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>51,923</td>
<td>0</td>
</tr>
<tr>
<td>SOUTH CAROLINA</td>
<td>279,146</td>
<td>0</td>
<td>175,797</td>
<td>0</td>
<td>15,000</td>
<td>0</td>
<td>190,797</td>
<td>60,196</td>
</tr>
<tr>
<td>SOUTHERN CALIFORNIA</td>
<td>UA</td>
<td>0</td>
<td>59,202</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>159,284</td>
<td>1,530</td>
</tr>
<tr>
<td>SOUTHERN ILLINOIS</td>
<td>195,502</td>
<td>0</td>
<td>122,154</td>
<td>1,268</td>
<td>0</td>
<td>3,000</td>
<td>126,422</td>
<td>15,759</td>
</tr>
<tr>
<td>SUNY-ALBANY</td>
<td>246,590</td>
<td>2,475</td>
<td>59,995</td>
<td>692</td>
<td>4,995</td>
<td>2,595</td>
<td>70,752</td>
<td>13,021</td>
</tr>
<tr>
<td>SUNY-BUFFALO</td>
<td>510,155</td>
<td>0</td>
<td>59,202</td>
<td>0</td>
<td>0</td>
<td>14,156</td>
<td>73,358</td>
<td>28,753</td>
</tr>
<tr>
<td>SUNY-STONY BROOK</td>
<td>134,572</td>
<td>10,154</td>
<td>49,842</td>
<td>7,224</td>
<td>1,419</td>
<td>37,985</td>
<td>106,624</td>
<td>5,385</td>
</tr>
<tr>
<td>SYRACUSE+</td>
<td>260,605</td>
<td>0</td>
<td>49,316</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>49,316</td>
<td>11,495</td>
</tr>
<tr>
<td>TENNESSEE</td>
<td>298,942</td>
<td>0</td>
<td>138,823</td>
<td>4,331</td>
<td>0</td>
<td>0</td>
<td>143,154</td>
<td>20,279</td>
</tr>
<tr>
<td>TEXAS+</td>
<td>1,120,955</td>
<td>4,354</td>
<td>147,975</td>
<td>0</td>
<td>0</td>
<td>135</td>
<td>152,464</td>
<td>101,154</td>
</tr>
<tr>
<td>TEXAS A&amp;M+</td>
<td>245,728</td>
<td>0</td>
<td>140,064</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>140,064</td>
<td>13,439</td>
</tr>
<tr>
<td>TEXAS TECH+</td>
<td>64,237</td>
<td>0</td>
<td>UA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>TORONTO+</td>
<td>706,272</td>
<td>0</td>
<td>337,023</td>
<td>0</td>
<td>32</td>
<td>0</td>
<td>337,055</td>
<td>47,305</td>
</tr>
<tr>
<td>TULANE</td>
<td>17,598</td>
<td>0</td>
<td>30,657</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>30,657</td>
<td>0</td>
</tr>
<tr>
<td>UTAH</td>
<td>279,863</td>
<td>0</td>
<td>112,720</td>
<td>UA</td>
<td>15,765</td>
<td>0</td>
<td>15,765</td>
<td>48,424</td>
</tr>
<tr>
<td>VANDERBILT+</td>
<td>547,127</td>
<td>UA</td>
<td>120,442</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>120,442</td>
<td>17,356</td>
</tr>
<tr>
<td>VIRGINIA+</td>
<td>290,398</td>
<td>25,950</td>
<td>86,721</td>
<td>4,286</td>
<td>0</td>
<td>3,078</td>
<td>120,035</td>
<td>35,551</td>
</tr>
<tr>
<td>VIRGINIA TECH</td>
<td>286,494</td>
<td>0</td>
<td>41,785</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>41,785</td>
<td>18,594</td>
</tr>
<tr>
<td>WASHINGTON</td>
<td>611,470</td>
<td>413</td>
<td>238,061</td>
<td>24,393</td>
<td>105,752</td>
<td>59,611</td>
<td>428,230</td>
<td>46,505</td>
</tr>
<tr>
<td>WASHINGTON STATE</td>
<td>UA</td>
<td>0</td>
<td>49,489</td>
<td>0</td>
<td>1,485</td>
<td>0</td>
<td>50,974</td>
<td>UA</td>
</tr>
<tr>
<td>WASHINGTON U.-ST. LOUIS+</td>
<td>236,752</td>
<td>8,700</td>
<td>98,919</td>
<td>5,000</td>
<td>0</td>
<td>0</td>
<td>112,619</td>
<td>12,683</td>
</tr>
<tr>
<td>WATERLOO+</td>
<td>86,828</td>
<td>0</td>
<td>52,725</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>52,725</td>
<td>5,741</td>
</tr>
<tr>
<td>WAYNE STATE+</td>
<td>138,323</td>
<td>1,625</td>
<td>54,056</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>55,681</td>
<td>500</td>
</tr>
<tr>
<td>WESTERN ONTARIO+</td>
<td>13,292</td>
<td>15,149</td>
<td>103,943</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>119,092</td>
<td>4,899</td>
</tr>
<tr>
<td>WISCONSIN+</td>
<td>895,395</td>
<td>9,021</td>
<td>204,609</td>
<td>0</td>
<td>20,501</td>
<td>13,397</td>
<td>247,528</td>
<td>108,985</td>
</tr>
<tr>
<td>YALE</td>
<td>1,452,911</td>
<td>433,978</td>
<td>425,277</td>
<td>34,692</td>
<td>321,951</td>
<td>528,317</td>
<td>1,744,215</td>
<td>145,353</td>
</tr>
<tr>
<td>YORK+</td>
<td>148,772</td>
<td>605</td>
<td>138,583</td>
<td>UA</td>
<td>0</td>
<td>139,188</td>
<td>12,681</td>
<td></td>
</tr>
<tr>
<td>BOSTON PUBLIC</td>
<td>117,552</td>
<td>10,978</td>
<td>UA</td>
<td>5,207</td>
<td>UA</td>
<td>12,220</td>
<td>28,405</td>
<td>9,725</td>
</tr>
<tr>
<td>LIBRARY OF CONGRESS+</td>
<td>10,888,653</td>
<td>400,600</td>
<td>1,205,946</td>
<td>5,288</td>
<td>2,390,569</td>
<td>6,885,989</td>
<td>10,888,392</td>
<td>379,738</td>
</tr>
<tr>
<td>NATL AGRICULTURAL LIBRARY+</td>
<td>382,654</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>105,499</td>
<td>105,499</td>
<td>7,669</td>
</tr>
<tr>
<td>LIBRARY &amp; ARCHIVES CANADA+</td>
<td>5,969,757</td>
<td>174,244</td>
<td>6,890</td>
<td>UA</td>
<td>UA</td>
<td>192,265</td>
<td>373,399</td>
<td>317,272</td>
</tr>
<tr>
<td>NATL LIBRARY OF MEDICINE</td>
<td>1,209,675</td>
<td>104,660</td>
<td>170,260</td>
<td>1,211</td>
<td>10,000</td>
<td>1,821,660</td>
<td>2,107,791</td>
<td>24,163</td>
</tr>
<tr>
<td>NEW YORK PUBLIC</td>
<td>1,604,992</td>
<td>259,817</td>
<td>605,709</td>
<td>UA</td>
<td>UA</td>
<td>0</td>
<td>865,526</td>
<td>250,790</td>
</tr>
<tr>
<td>NEW YORK STATE</td>
<td>348,300</td>
<td>0</td>
<td>32,331</td>
<td>0</td>
<td>6,795</td>
<td>0</td>
<td>39,126</td>
<td>31,175</td>
</tr>
<tr>
<td>SMITHSONIAN+</td>
<td>203,345</td>
<td>2,292</td>
<td>24,150</td>
<td>UA</td>
<td>UA</td>
<td>460</td>
<td>26,902</td>
<td>8,276</td>
</tr>
</tbody>
</table>

- See footnotes
- UA/NA – Unavailable or Not Applicable
### Table 15: Expenditures

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>Total Equipment Expenditures</th>
<th>Total Preservation Expenditures*</th>
<th>Total Library Expenditures</th>
<th>Preservation % of Total Library Expenditures*</th>
<th>Total Library Materials*</th>
<th>Preservation % of Total Materials</th>
<th>(12d) (Survey Question Number)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROCHESTER</td>
<td>446,019</td>
<td>186,400</td>
<td>18,820,047</td>
<td>2.37</td>
<td>7,165,032</td>
<td>6.22</td>
<td></td>
</tr>
<tr>
<td>RUTGERS</td>
<td>326,721</td>
<td>0</td>
<td>30,653,693</td>
<td>1.07</td>
<td>10,069,313</td>
<td>3.24</td>
<td></td>
</tr>
<tr>
<td>SASKATCHEWAN</td>
<td>207,814</td>
<td>0</td>
<td>22,127,910</td>
<td>0.94</td>
<td>13,570,510</td>
<td>1.53</td>
<td></td>
</tr>
<tr>
<td>SOUTH CAROLINA</td>
<td>537,639</td>
<td>0</td>
<td>20,943,404</td>
<td>2.57</td>
<td>7,403,459</td>
<td>7.26</td>
<td></td>
</tr>
<tr>
<td>SOUTHERN CALIFORNIA</td>
<td>185,199</td>
<td>0</td>
<td>34,881,430</td>
<td>0.53</td>
<td>9,128,147</td>
<td>2.03</td>
<td></td>
</tr>
<tr>
<td>SUNY-ALBANY</td>
<td>330,874</td>
<td>126,000</td>
<td>12,010,828</td>
<td>2.75</td>
<td>5,134,576</td>
<td>6.44</td>
<td></td>
</tr>
<tr>
<td>SUNY-BUFFALO</td>
<td>620,632</td>
<td>126,000</td>
<td>20,054,901</td>
<td>3.09</td>
<td>8,279,987</td>
<td>7.50</td>
<td></td>
</tr>
<tr>
<td>SUNY-STONY BROOK</td>
<td>321,416</td>
<td>86,676</td>
<td>16,849,931</td>
<td>1.91</td>
<td>6,457,876</td>
<td>4.98</td>
<td></td>
</tr>
<tr>
<td>SYRACUSE</td>
<td>462,375</td>
<td>0</td>
<td>22,810,227</td>
<td>2.03</td>
<td>12,069,221</td>
<td>3.83</td>
<td></td>
</tr>
<tr>
<td>SUNY-ALBANY</td>
<td>1,506,105</td>
<td>170,780</td>
<td>45,044,095</td>
<td>3.34</td>
<td>17,847,024</td>
<td>8.44</td>
<td></td>
</tr>
<tr>
<td>TEXAS A&amp;M</td>
<td>403,845</td>
<td>0</td>
<td>32,596,445</td>
<td>1.24</td>
<td>15,506,357</td>
<td>2.60</td>
<td></td>
</tr>
<tr>
<td>TEXAS TECH</td>
<td>64,237</td>
<td>0</td>
<td>22,635,446</td>
<td>0.28</td>
<td>10,201,548</td>
<td>0.63</td>
<td></td>
</tr>
<tr>
<td>TEXAS</td>
<td>1,101,456</td>
<td>10,421</td>
<td>60,344,407</td>
<td>1.83</td>
<td>22,455,604</td>
<td>4.91</td>
<td></td>
</tr>
<tr>
<td>TORONTO</td>
<td>48,255</td>
<td>0</td>
<td>13,794,872</td>
<td>0.35</td>
<td>8,044,143</td>
<td>4.35</td>
<td></td>
</tr>
<tr>
<td>TULANE</td>
<td>328,287</td>
<td>0</td>
<td>24,641,932</td>
<td>1.33</td>
<td>7,541,720</td>
<td>4.76</td>
<td></td>
</tr>
<tr>
<td>TEXAS</td>
<td>684,925</td>
<td>140,000</td>
<td>24,673,090</td>
<td>2.78</td>
<td>11,567,788</td>
<td>6.14</td>
<td></td>
</tr>
<tr>
<td>VIRGINIA</td>
<td>447,134</td>
<td>0</td>
<td>34,444,481</td>
<td>1.30</td>
<td>10,791,623</td>
<td>4.14</td>
<td></td>
</tr>
<tr>
<td>VIRGINIA TECH</td>
<td>346,873</td>
<td>0</td>
<td>13,715,756</td>
<td>2.53</td>
<td>7,592,311</td>
<td>4.57</td>
<td></td>
</tr>
<tr>
<td>WASHINGTON</td>
<td>1,087,392</td>
<td>126,945</td>
<td>41,583,736</td>
<td>2.61</td>
<td>16,161,944</td>
<td>6.73</td>
<td></td>
</tr>
<tr>
<td>WAYNE STATE</td>
<td>50,974</td>
<td>14,663,826</td>
<td>64,62,246</td>
<td>0.35</td>
<td>8,044,143</td>
<td>4.35</td>
<td></td>
</tr>
<tr>
<td>WESTERN ONTARIO</td>
<td>364,075</td>
<td>0</td>
<td>22,455,604</td>
<td>1.33</td>
<td>11,567,788</td>
<td>6.14</td>
<td></td>
</tr>
<tr>
<td>WISCONSIN</td>
<td>175,293</td>
<td>13,750,166</td>
<td>10,791,623</td>
<td>1.30</td>
<td>10,791,623</td>
<td>4.14</td>
<td></td>
</tr>
<tr>
<td>YALE</td>
<td>194,504</td>
<td>19,599,699</td>
<td>8,344,118</td>
<td>0.99</td>
<td>8,344,118</td>
<td>4.14</td>
<td></td>
</tr>
<tr>
<td>WAYNE STATE</td>
<td>137,273</td>
<td>0</td>
<td>18,773,453</td>
<td>0.73</td>
<td>10,281,868</td>
<td>1.34</td>
<td></td>
</tr>
<tr>
<td>YORK</td>
<td>155,682</td>
<td>68,456</td>
<td>41,536,552</td>
<td>3.03</td>
<td>11,242,567</td>
<td>11.20</td>
<td></td>
</tr>
<tr>
<td>235,503</td>
<td>3,384,407</td>
<td>125,280</td>
<td>77,403,912</td>
<td>4.33</td>
<td>33,942,469</td>
<td>9.97</td>
<td></td>
</tr>
<tr>
<td>11,720</td>
<td>300,642</td>
<td>UA</td>
<td>20,559,023</td>
<td>1.46</td>
<td>8,778,423</td>
<td>3.42</td>
<td></td>
</tr>
<tr>
<td>241,305</td>
<td>6,902,190</td>
<td>46,000</td>
<td>626,435,999</td>
<td>3.57</td>
<td>17,398,114</td>
<td>28.71</td>
<td></td>
</tr>
<tr>
<td>10,350</td>
<td>3,351,979</td>
<td>409,379</td>
<td>59,151,000</td>
<td>5.67</td>
<td>8,599,160</td>
<td>39.39</td>
<td></td>
</tr>
<tr>
<td>32,001</td>
<td>2,753,309</td>
<td>UA</td>
<td>55,609,525</td>
<td>4.95</td>
<td>14,104,893</td>
<td>19.52</td>
<td></td>
</tr>
<tr>
<td>16,377</td>
<td>254,900</td>
<td>UA</td>
<td>9,208,770</td>
<td>2.77</td>
<td>3,952,799</td>
<td>10.59</td>
<td></td>
</tr>
<tr>
<td>NEW YORK</td>
<td>418,601</td>
<td>126,000</td>
<td>11,788,271</td>
<td>3.55</td>
<td>3,952,799</td>
<td>10.59</td>
<td></td>
</tr>
<tr>
<td>NEW YORK STATE</td>
<td>254,900</td>
<td>UA</td>
<td>9,208,770</td>
<td>2.77</td>
<td>3,952,799</td>
<td>10.59</td>
<td></td>
</tr>
<tr>
<td>SMITHSONIAN</td>
<td>2,753,309</td>
<td>UA</td>
<td>55,609,525</td>
<td>4.95</td>
<td>14,104,893</td>
<td>19.52</td>
<td></td>
</tr>
</tbody>
</table>

*Expenditures from External Sources are not included in the calculations of percentages.
### Table 15: Summary Data

<table>
<thead>
<tr>
<th></th>
<th>Total Salaries</th>
<th>Conservation</th>
<th>Binding</th>
<th>Photocopies</th>
<th>Microfilm</th>
<th>Other</th>
<th>Total</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>University Libraries</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td>291,744</td>
<td>413</td>
<td>126,576</td>
<td>0</td>
<td>0</td>
<td>18</td>
<td>131,545</td>
<td>19,723</td>
</tr>
<tr>
<td>Totals</td>
<td>43,460,063</td>
<td>2,055,635</td>
<td>16,850,899</td>
<td>569,540</td>
<td>1,631,559</td>
<td>2,881,590</td>
<td>23,701,307</td>
<td>3,272,249</td>
</tr>
<tr>
<td>Number of Libraries Reporting</td>
<td>102</td>
<td>99</td>
<td>103</td>
<td>96</td>
<td>95</td>
<td>100</td>
<td>104</td>
<td>102</td>
</tr>
<tr>
<td><strong>Nonuniversity Libraries</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td>796,165</td>
<td>57,819</td>
<td>32,331</td>
<td>1,211</td>
<td>8,398</td>
<td>105,499</td>
<td>239,449</td>
<td>27,669</td>
</tr>
<tr>
<td>Totals</td>
<td>20,724,928</td>
<td>952,591</td>
<td>2,045,286</td>
<td>11,706</td>
<td>2,407,364</td>
<td>9,018,093</td>
<td>14,435,040</td>
<td>1,029,265</td>
</tr>
<tr>
<td>Number of Libraries Reporting</td>
<td>8</td>
<td>8</td>
<td>7</td>
<td>5</td>
<td>4</td>
<td>7</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td><strong>GRAND TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td>294,836</td>
<td>1,625</td>
<td>126,077</td>
<td>0</td>
<td>0</td>
<td>351</td>
<td>131,545</td>
<td>20,084</td>
</tr>
<tr>
<td>Totals</td>
<td>64,184,991</td>
<td>3,008,226</td>
<td>18,896,185</td>
<td>581,246</td>
<td>4,038,923</td>
<td>11,899,683</td>
<td>38,136,348</td>
<td>4,301,513</td>
</tr>
<tr>
<td>Number of Libraries Reporting</td>
<td>110</td>
<td>107</td>
<td>110</td>
<td>101</td>
<td>99</td>
<td>107</td>
<td>112</td>
<td>110</td>
</tr>
<tr>
<td></td>
<td>University Libraries</td>
<td></td>
<td>Nonuniversity Libraries</td>
<td></td>
<td>GRAND TOTALS</td>
<td></td>
<td>Number of Libraries Reporting</td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>----------------------</td>
<td>----------------</td>
<td>-------------------------</td>
<td>----------------</td>
<td>---------------</td>
<td>----------------</td>
<td>-------------------------------</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Equipment</td>
<td>Total Expenditures</td>
<td>Total Expenditures from External Sources</td>
<td>Library Expenditures</td>
<td>Total Library Expenditures*</td>
<td>Median</td>
<td>Totals</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Preservation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Library Materials*</td>
</tr>
<tr>
<td></td>
<td>Equipment</td>
<td>Total Expenditures</td>
<td>Total Expenditures from External Sources</td>
<td>Library Expenditures</td>
<td>Total Library Expenditures*</td>
<td>Median</td>
<td>Totals</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Preservation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Library Materials*</td>
</tr>
<tr>
<td></td>
<td>University Libraries</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Library Materials*</td>
</tr>
<tr>
<td></td>
<td>Nonuniversity Libraries</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Library Materials*</td>
</tr>
<tr>
<td></td>
<td>GRAND TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Library Materials*</td>
</tr>
<tr>
<td>INSTITUTION</td>
<td>Volumes Treated</td>
<td>Mass Deacidification</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>-----------------</td>
<td>----------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Level 1</td>
<td>Level 2</td>
<td>Level 3</td>
<td>Total</td>
<td>Unbound Sheets Treated</td>
<td>Bound Volumes &amp; Pamphlets</td>
<td>Linear ft. of Unbound</td>
<td>Non-paper Items Treated</td>
</tr>
<tr>
<td>ALABAMA+</td>
<td>10,389</td>
<td>455</td>
<td>0</td>
<td>10,844</td>
<td>196</td>
<td>0</td>
<td>0</td>
<td>35</td>
</tr>
<tr>
<td>ARIZONA</td>
<td>4,537</td>
<td>1,107</td>
<td>0</td>
<td>5,644</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ARIZONA STATE+</td>
<td>5,944</td>
<td>1,743</td>
<td>163</td>
<td>7,850</td>
<td>122</td>
<td>436</td>
<td>0</td>
<td>1,923</td>
</tr>
<tr>
<td>AUBURN+</td>
<td>3,804</td>
<td>1,646</td>
<td>170</td>
<td>5,620</td>
<td>71</td>
<td>0</td>
<td>0</td>
<td>575</td>
</tr>
<tr>
<td>BOSTON</td>
<td>6,428</td>
<td>795</td>
<td>34</td>
<td>7,257</td>
<td>800</td>
<td>12</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>BOSTON COLLEGE</td>
<td>807</td>
<td>1,933</td>
<td>13</td>
<td>2,753</td>
<td>56</td>
<td>0</td>
<td>0</td>
<td>16</td>
</tr>
<tr>
<td>BRIGHAM YOUNG+</td>
<td>2,034</td>
<td>13,399</td>
<td>1,542</td>
<td>16,975</td>
<td>54</td>
<td>0</td>
<td>0</td>
<td>14</td>
</tr>
<tr>
<td>BRITISH COLUMBIA+</td>
<td>5,224</td>
<td>1,762</td>
<td>93</td>
<td>7,079</td>
<td>60</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BROWN+</td>
<td>2,914</td>
<td>1,828</td>
<td>66</td>
<td>4,808</td>
<td>24</td>
<td>1,864</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CALIFORNIA BERKELEY+</td>
<td>826</td>
<td>1,768</td>
<td>332</td>
<td>2,926</td>
<td>1,233</td>
<td>UA</td>
<td>UA</td>
<td>1,404</td>
</tr>
<tr>
<td>CALIFORNIA DAVIS</td>
<td>2,228</td>
<td>1,244</td>
<td>132</td>
<td>3,604</td>
<td>18</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CALIFORNIA IRVINE</td>
<td>14,493</td>
<td>131</td>
<td>3</td>
<td>14,627</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CALIFORNIA LOS ANGELES+</td>
<td>3,206</td>
<td>2,261</td>
<td>1,504</td>
<td>6,971</td>
<td>106</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CALIFORNIA RIVERSIDE</td>
<td>7,985</td>
<td>918</td>
<td>0</td>
<td>8,903</td>
<td>680</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CALIFORNIA SAN DIEGO+</td>
<td>2,410</td>
<td>763</td>
<td>9</td>
<td>3,182</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>994</td>
</tr>
<tr>
<td>CALIFORNIA SANTA BARBARA</td>
<td>7,171</td>
<td>720</td>
<td>0</td>
<td>7,891</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CASE WESTERN RESERVE+</td>
<td>1,706</td>
<td>1,071</td>
<td>267</td>
<td>3,044</td>
<td>208</td>
<td>0</td>
<td>15</td>
<td>29</td>
</tr>
<tr>
<td>CHICAGO+</td>
<td>4,453</td>
<td>177</td>
<td>36</td>
<td>4,666</td>
<td>911</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CINCINNATI</td>
<td>5,030</td>
<td>948</td>
<td>18</td>
<td>5,996</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
</tr>
<tr>
<td>COLORADO+</td>
<td>3,971</td>
<td>120</td>
<td>3</td>
<td>4,094</td>
<td>1,628,700</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>COLORADO STATE</td>
<td>5,036</td>
<td>499</td>
<td>70</td>
<td>5,605</td>
<td>252</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>COLUMBIA+</td>
<td>2,124</td>
<td>6,596</td>
<td>3,496</td>
<td>12,216</td>
<td>0</td>
<td>4,758</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>CONNECTICUT</td>
<td>5,640</td>
<td>2,835</td>
<td>378</td>
<td>8,853</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CORNELL+</td>
<td>101,175</td>
<td>1,279</td>
<td>294</td>
<td>102,748</td>
<td>362</td>
<td>0</td>
<td>0</td>
<td>303</td>
</tr>
<tr>
<td>DARTMOUTH+</td>
<td>4,472</td>
<td>1,668</td>
<td>267</td>
<td>6,407</td>
<td>70</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>DELAWARE</td>
<td>1,690</td>
<td>296</td>
<td>140</td>
<td>2,126</td>
<td>19</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>DUKE</td>
<td>5,787</td>
<td>748</td>
<td>29</td>
<td>6,564</td>
<td>768</td>
<td>1</td>
<td>0</td>
<td>10,471</td>
</tr>
<tr>
<td>EMORY+</td>
<td>2,304</td>
<td>2,106</td>
<td>196</td>
<td>4,516</td>
<td>1,136</td>
<td>0</td>
<td>0</td>
<td>473</td>
</tr>
<tr>
<td>FLORIDA+</td>
<td>12,309</td>
<td>1,728</td>
<td>136</td>
<td>14,173</td>
<td>3,878</td>
<td>0</td>
<td>0</td>
<td>32</td>
</tr>
<tr>
<td>FLORIDA STATE</td>
<td>393</td>
<td>334</td>
<td>0</td>
<td>727</td>
<td>21</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>GEORGE WASHINGTON+</td>
<td>757</td>
<td>657</td>
<td>0</td>
<td>1,414</td>
<td>49</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>GEORGE TOWN</td>
<td>7,822</td>
<td>129</td>
<td>195</td>
<td>8,146</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>22</td>
</tr>
<tr>
<td>GEORGIA+</td>
<td>1,469</td>
<td>938</td>
<td>49</td>
<td>2,456</td>
<td>485</td>
<td>0</td>
<td>0</td>
<td>17,337</td>
</tr>
<tr>
<td>GEORGIA TECH+</td>
<td>170</td>
<td>14</td>
<td>6</td>
<td>190</td>
<td>5,250</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>GUELPH+</td>
<td>4,454</td>
<td>0</td>
<td>0</td>
<td>4,454</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>4,727</td>
</tr>
<tr>
<td>HARVARD+</td>
<td>24,140</td>
<td>7,059</td>
<td>636</td>
<td>31,835</td>
<td>38,727</td>
<td>143</td>
<td>0</td>
<td>329</td>
</tr>
<tr>
<td>HAWAII+</td>
<td>5,002</td>
<td>284</td>
<td>107</td>
<td>5,393</td>
<td>4,135</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>HOUSTON+</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Volumes</td>
<td>Photocopied</td>
<td>Microfilmed</td>
<td>Digitized Photocopied</td>
<td>Microfilmed Digitized</td>
<td>Using Analog Means</td>
<td>Using Digital Means</td>
<td>(22a) (Survey Question Number)</td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
<td>-------------</td>
<td>----------------------</td>
<td>----------------------</td>
<td>-------------------</td>
<td>-------------------</td>
<td>-----------------------------</td>
<td></td>
</tr>
<tr>
<td>Entire Bound Volumes</td>
<td>(19)</td>
<td>(20a)</td>
<td>(20b)</td>
<td>(20c)</td>
<td>(21a)</td>
<td>(21b)</td>
<td>(21c)</td>
<td>(22a)</td>
</tr>
<tr>
<td>Single Unbound Sheets</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonpaper Items</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercially</td>
<td>Bound</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TABLE 16: CONSERVATION TREATMENT, BINDING, AND PRESERVATION REFORMATTING**

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>VOLUMES</th>
<th>Photocopied</th>
<th>Microfilmed</th>
<th>Digitized Photocopied</th>
<th>Microfilmed Digitized</th>
<th>Using Analog Means</th>
<th>Using Digital Means</th>
<th>(22a) (Survey Question Number)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALABAMA</td>
<td>4,637</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>188</td>
<td>175</td>
<td>0</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>5,934</td>
<td>0</td>
<td>0</td>
<td>56</td>
<td>0</td>
<td>2,169</td>
<td>0</td>
<td>15,423</td>
</tr>
<tr>
<td>ARIZONA</td>
<td>28,511</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>1,304</td>
<td>28,098</td>
<td>0</td>
<td>1,090</td>
</tr>
<tr>
<td></td>
<td>7,481</td>
<td>0</td>
<td>0</td>
<td>16</td>
<td>0</td>
<td>237</td>
<td>0</td>
<td>3,070</td>
</tr>
<tr>
<td></td>
<td>14,050</td>
<td>0</td>
<td>0</td>
<td>108</td>
<td>92</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BOSTON</td>
<td>10,848</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>1,600</td>
<td>0</td>
<td>0</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>22,862</td>
<td>320</td>
<td>0</td>
<td>0</td>
<td>8,837</td>
<td>83,760</td>
<td>0</td>
<td>17,292</td>
</tr>
<tr>
<td></td>
<td>16,595</td>
<td>0</td>
<td>0</td>
<td>1304</td>
<td>0</td>
<td>0</td>
<td>6,596</td>
<td>0</td>
</tr>
<tr>
<td>BRITISH COLUMBIA</td>
<td>5,071</td>
<td>0</td>
<td>0</td>
<td>1,304</td>
<td>0</td>
<td>6,613</td>
<td>0</td>
<td>4,512</td>
</tr>
<tr>
<td></td>
<td>8,682</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3,093</td>
</tr>
<tr>
<td>CALIFORNIA BERKELEY</td>
<td>10,075</td>
<td>2</td>
<td>1</td>
<td>278</td>
<td>0</td>
<td>100</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>54,898</td>
<td>55</td>
<td>0</td>
<td>668</td>
<td>0</td>
<td>78</td>
<td>0</td>
<td>3,093</td>
</tr>
<tr>
<td></td>
<td>16,682</td>
<td>UA</td>
<td>UA</td>
<td>26</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
</tr>
<tr>
<td></td>
<td>11,349</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,385</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>COLORADO</td>
<td>7,475</td>
<td>1</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>410</td>
<td>0</td>
<td>594</td>
</tr>
<tr>
<td>COLORADO STATE</td>
<td>46,879</td>
<td>155</td>
<td>3,350</td>
<td>79</td>
<td>0</td>
<td>0</td>
<td>2,719</td>
<td>0</td>
</tr>
<tr>
<td>COLUMBIA</td>
<td>14,768</td>
<td>57</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>CONNECTICUT</td>
<td>24,400</td>
<td>317</td>
<td>0</td>
<td>UA</td>
<td>1,464</td>
<td>0</td>
<td>UA</td>
<td>0</td>
</tr>
<tr>
<td>CORNELL</td>
<td>6,726</td>
<td>22</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>DARTMOUTH</td>
<td>9,048</td>
<td>294</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>DELAWARE</td>
<td>25,007</td>
<td>0</td>
<td>0</td>
<td>13,386</td>
<td>0</td>
<td>0</td>
<td>81,969</td>
<td>0</td>
</tr>
<tr>
<td>DUKE</td>
<td>17,559</td>
<td>104</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,426</td>
</tr>
<tr>
<td></td>
<td>20,315</td>
<td>0</td>
<td>0</td>
<td>43,722</td>
<td>0</td>
<td>0</td>
<td>2,743</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>13,386</td>
<td>0</td>
<td>0</td>
<td>81,969</td>
<td>0</td>
</tr>
<tr>
<td>FLORIDA</td>
<td>10,480</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>11,771</td>
<td>0</td>
<td>0</td>
<td>936</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>46,103</td>
<td>0</td>
<td>0</td>
<td>2,419</td>
<td>0</td>
<td>0</td>
<td>2,749</td>
<td>79</td>
</tr>
<tr>
<td></td>
<td>5,918</td>
<td>0</td>
<td>0</td>
<td>2,308</td>
<td>500</td>
<td>0</td>
<td>12</td>
<td>15,000</td>
</tr>
<tr>
<td>GEORGIA TECH</td>
<td>80,739</td>
<td>156</td>
<td>5,386</td>
<td>53,785</td>
<td>839</td>
<td>0</td>
<td>11,991</td>
<td>155</td>
</tr>
<tr>
<td></td>
<td>10,523</td>
<td>0</td>
<td>0</td>
<td>22</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,260</td>
</tr>
<tr>
<td>GEORGE WASHINGTON</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEORGIAN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEORGIA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GUELPH</td>
<td>986</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HARRISON</td>
<td>46,421</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HAWAII</td>
<td>155</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HOUSTON</td>
<td>428</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INSTITUTION</td>
<td>Volumes Treated</td>
<td>Mass Deacidification</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------------</td>
<td>----------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Level 1</td>
<td>Level 2</td>
<td>Level 3</td>
<td>Total</td>
<td>Unbound Sheets Treated</td>
<td>Bound Volumes &amp; Pamphlets</td>
<td>Linear ft. of Unbound</td>
<td>Non-paper Items Treated</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ILLINOIS URBANA+</td>
<td>3,237</td>
<td>1,904</td>
<td>256</td>
<td>5,397</td>
<td>368</td>
<td>1,499</td>
<td>268</td>
<td>140</td>
</tr>
<tr>
<td>INDIANA</td>
<td>4,810</td>
<td>956</td>
<td>410</td>
<td>6,176</td>
<td>684</td>
<td>0</td>
<td>0</td>
<td>413</td>
</tr>
<tr>
<td>IOWA+</td>
<td>22,839</td>
<td>2,086</td>
<td>141</td>
<td>25,066</td>
<td>76</td>
<td>652</td>
<td>0</td>
<td>324</td>
</tr>
<tr>
<td>IOWA STATE+</td>
<td>3,460</td>
<td>940</td>
<td>4</td>
<td>4,404</td>
<td>203</td>
<td>493</td>
<td>0</td>
<td>332</td>
</tr>
<tr>
<td>JOHNS HOPKINS</td>
<td>13,079</td>
<td>1,194</td>
<td>276</td>
<td>14,549</td>
<td>156</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>KANSAS+</td>
<td>5,262</td>
<td>1,007</td>
<td>158</td>
<td>6,427</td>
<td>101</td>
<td>0</td>
<td>0</td>
<td>334</td>
</tr>
<tr>
<td>KENTUCKY+</td>
<td>6,337</td>
<td>474</td>
<td>18</td>
<td>6,829</td>
<td>3,768</td>
<td>0</td>
<td>0</td>
<td>18,394</td>
</tr>
<tr>
<td>LAVAL+</td>
<td>7,300</td>
<td>10,917</td>
<td>0</td>
<td>18,217</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
</tr>
<tr>
<td>LOUISIANA STATE+</td>
<td>547</td>
<td>300</td>
<td>9</td>
<td>856</td>
<td>2,500</td>
<td>0</td>
<td>0</td>
<td>16,000</td>
</tr>
<tr>
<td>LOUISVILLE</td>
<td>439</td>
<td>735</td>
<td>103</td>
<td>1,277</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MCGILL+</td>
<td>1,876</td>
<td>688</td>
<td>45</td>
<td>2,609</td>
<td>80</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>McMaster+</td>
<td>221</td>
<td>125</td>
<td>187</td>
<td>533</td>
<td>957</td>
<td>0</td>
<td>0</td>
<td>548</td>
</tr>
<tr>
<td>MARYLAND+</td>
<td>2,171</td>
<td>1,424</td>
<td>20</td>
<td>3,615</td>
<td>47</td>
<td>0</td>
<td>0</td>
<td>225</td>
</tr>
<tr>
<td>MASSACHUSETTS</td>
<td>1,690</td>
<td>5</td>
<td>0</td>
<td>1,695</td>
<td>50</td>
<td>0</td>
<td>0</td>
<td>150</td>
</tr>
<tr>
<td>MIT</td>
<td>1,458</td>
<td>437</td>
<td>11</td>
<td>1,906</td>
<td>105</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MILA</td>
<td>2,411</td>
<td>580</td>
<td>97</td>
<td>3,088</td>
<td>973</td>
<td>0</td>
<td>0</td>
<td>202</td>
</tr>
<tr>
<td>MICHIGAN+</td>
<td>8,787</td>
<td>774</td>
<td>84</td>
<td>9,645</td>
<td>143</td>
<td>7,203</td>
<td>0</td>
<td>140</td>
</tr>
<tr>
<td>MICHIGAN STATE+</td>
<td>4,468</td>
<td>933</td>
<td>148</td>
<td>5,549</td>
<td>133</td>
<td>3,927</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MINNESOTA+</td>
<td>6,320</td>
<td>507</td>
<td>221</td>
<td>7,048</td>
<td>2,570</td>
<td>0</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>MONTREAL+</td>
<td>11,403</td>
<td>0</td>
<td>0</td>
<td>11,403</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>NEBRASKA</td>
<td>8,102</td>
<td>2,162</td>
<td>24</td>
<td>10,288</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>181</td>
</tr>
<tr>
<td>NEW MEXICO+</td>
<td>1,066</td>
<td>466</td>
<td>11</td>
<td>1,543</td>
<td>952</td>
<td>0</td>
<td>0</td>
<td>1,761</td>
</tr>
<tr>
<td>NEW YORK+</td>
<td>3,078</td>
<td>658</td>
<td>440</td>
<td>4,176</td>
<td>60</td>
<td>4,784</td>
<td>15</td>
<td>456</td>
</tr>
<tr>
<td>NORTH CAROLINA+</td>
<td>12,595</td>
<td>6,157</td>
<td>94</td>
<td>18,846</td>
<td>817</td>
<td>0</td>
<td>0</td>
<td>5,207</td>
</tr>
<tr>
<td>NORTH CAROLINA STATE+</td>
<td>1,660</td>
<td>320</td>
<td>11</td>
<td>1,991</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>NORTHWESTERN+</td>
<td>9,423</td>
<td>607</td>
<td>23</td>
<td>10,053</td>
<td>306</td>
<td>6,656</td>
<td>0</td>
<td>228</td>
</tr>
<tr>
<td>NOTRE DAME</td>
<td>2,725</td>
<td>650</td>
<td>591</td>
<td>3,966</td>
<td>4,824</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>OHIO+</td>
<td>185</td>
<td>4,298</td>
<td>891</td>
<td>5,374</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>OHIO STATE</td>
<td>10,965</td>
<td>405</td>
<td>486</td>
<td>11,856</td>
<td>854</td>
<td>0</td>
<td>0</td>
<td>6,562</td>
</tr>
<tr>
<td>OKLAHOMA</td>
<td>4,201</td>
<td>1,423</td>
<td>475</td>
<td>6,099</td>
<td>26</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>OKLAHOMA STATE+</td>
<td>62</td>
<td>1,399</td>
<td>352</td>
<td>1,813</td>
<td>2,902</td>
<td>0</td>
<td>0</td>
<td>3,704</td>
</tr>
<tr>
<td>OREGON+</td>
<td>3,887</td>
<td>6,582</td>
<td>0</td>
<td>10,469</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PENNSYLVANIA+</td>
<td>501</td>
<td>341</td>
<td>790</td>
<td>1,632</td>
<td>2,660</td>
<td>0</td>
<td>0</td>
<td>52</td>
</tr>
<tr>
<td>PENNSYLVANIA STATE+</td>
<td>3,406</td>
<td>10</td>
<td>2</td>
<td>3,418</td>
<td>2,849</td>
<td>1,731</td>
<td>0</td>
<td>1,004</td>
</tr>
<tr>
<td>PITTSBURGH</td>
<td>325</td>
<td>1,005</td>
<td>0</td>
<td>1,330</td>
<td>43</td>
<td>2,461</td>
<td>125</td>
<td>0</td>
</tr>
<tr>
<td>PRINCETON</td>
<td>920</td>
<td>1,835</td>
<td>370</td>
<td>3,125</td>
<td>1,464</td>
<td>0</td>
<td>0</td>
<td>344</td>
</tr>
<tr>
<td>PURDUE+</td>
<td>64</td>
<td>316</td>
<td>101</td>
<td>481</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>RICE</td>
<td>3,226</td>
<td>990</td>
<td>0</td>
<td>4,216</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Volumes</td>
<td>Photocopied</td>
<td>Microfilmed</td>
<td>Digitized</td>
<td>Photocopied</td>
<td>Microfilmed</td>
<td>Digitized</td>
<td>Using Analog</td>
<td>Using Digital</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
<td>-------------</td>
<td>-----------</td>
<td>-------------</td>
<td>-------------</td>
<td>-----------</td>
<td>--------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Entire Bound Volumes</td>
<td>(19)</td>
<td>(20a)</td>
<td>(20b)</td>
<td>(20c)</td>
<td>(21a)</td>
<td>(21b)</td>
<td>(21c)</td>
<td>(22a)</td>
</tr>
<tr>
<td>Commercially Bound</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>34,661</td>
<td>643</td>
<td>1,017</td>
<td>643</td>
<td>892</td>
<td>41,796</td>
<td>0</td>
<td>161</td>
<td>161</td>
</tr>
<tr>
<td>26,546</td>
<td>22</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>25,295</td>
<td>149</td>
<td>62</td>
<td>60</td>
<td>984</td>
<td>0</td>
<td>1,805</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>21,524</td>
<td>71</td>
<td>2</td>
<td>UA</td>
<td>0</td>
<td>0</td>
<td>UA</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>11,907</td>
<td>15</td>
<td>0</td>
<td>0</td>
<td>148</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>15,192</td>
<td>0</td>
<td>0</td>
<td>UA</td>
<td>0</td>
<td>0</td>
<td>UA</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>17,878</td>
<td>18</td>
<td>497</td>
<td>171</td>
<td>11,348</td>
<td>2,590</td>
<td>56,392</td>
<td>164</td>
<td>14,322</td>
</tr>
<tr>
<td>10,843</td>
<td>82</td>
<td>0</td>
<td>873</td>
<td>0</td>
<td>5,000</td>
<td>0</td>
<td>115</td>
<td>400</td>
</tr>
<tr>
<td>8,156</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>579</td>
<td>0</td>
<td>1,077</td>
</tr>
<tr>
<td>18,228</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>700</td>
<td>0</td>
<td>50</td>
</tr>
<tr>
<td>13,301</td>
<td>6</td>
<td>0</td>
<td>66</td>
<td>0</td>
<td>0</td>
<td>77,698</td>
<td>0</td>
<td>384</td>
</tr>
<tr>
<td>27,888</td>
<td>149</td>
<td>499</td>
<td>2,172</td>
<td>500</td>
<td>0</td>
<td>0</td>
<td>UA</td>
<td>22</td>
</tr>
<tr>
<td>10,300</td>
<td>0</td>
<td>0</td>
<td>110</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>17,985</td>
<td>4</td>
<td>0</td>
<td>3,552</td>
<td>16,476</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>58</td>
</tr>
<tr>
<td>17,766</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>150</td>
<td>0</td>
<td>1,141</td>
<td>0</td>
<td>5,281</td>
</tr>
<tr>
<td>70,101</td>
<td>64</td>
<td>0</td>
<td>9,197</td>
<td>0</td>
<td>0</td>
<td>129</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>31,301</td>
<td>5</td>
<td>0</td>
<td>66</td>
<td>0</td>
<td>0</td>
<td>77,698</td>
<td>0</td>
<td>384</td>
</tr>
<tr>
<td>20,451</td>
<td>65</td>
<td>0</td>
<td>640</td>
<td>5,364</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>27,895</td>
<td>424</td>
<td>124</td>
<td>499</td>
<td>186</td>
<td>0</td>
<td>59</td>
<td>0</td>
<td>8,985</td>
</tr>
<tr>
<td>13,161</td>
<td>98</td>
<td>4,379</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>231</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1,150</td>
<td>0</td>
<td>2,472</td>
<td>0</td>
<td>5,990</td>
</tr>
<tr>
<td>46,497</td>
<td>0</td>
<td>356</td>
<td>0</td>
<td>100</td>
<td>0</td>
<td>0</td>
<td>21</td>
<td>287</td>
</tr>
<tr>
<td>36,146</td>
<td>339</td>
<td>UA</td>
<td>309</td>
<td>UA</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>20,451</td>
<td>65</td>
<td>0</td>
<td>640</td>
<td>5,364</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>12,093</td>
<td>101</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
</tr>
<tr>
<td>24,861</td>
<td>55</td>
<td>0</td>
<td>466</td>
<td>30</td>
<td>0</td>
<td>916</td>
<td>0</td>
<td>1,988</td>
</tr>
<tr>
<td>34,534</td>
<td>259</td>
<td>1,217</td>
<td>1,258</td>
<td>2,532</td>
<td>0</td>
<td>108,221</td>
<td>275</td>
<td>8,161</td>
</tr>
<tr>
<td>12,582</td>
<td>0</td>
<td>0</td>
<td>1,217</td>
<td>0</td>
<td>6,000</td>
<td>237</td>
<td>0</td>
<td>1,207</td>
</tr>
<tr>
<td>63,158</td>
<td>149</td>
<td>28</td>
<td>98</td>
<td>0</td>
<td>11,215</td>
<td>5,824</td>
<td>0</td>
<td>2,961</td>
</tr>
<tr>
<td>13,705</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>20,000</td>
<td>1,800</td>
<td>3,000</td>
<td>20</td>
<td>3,200</td>
</tr>
<tr>
<td>6,427</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
### Table 16: Conservation Treatment, Binding, and Preservation Reformattting

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>Volumes Treated</th>
<th>Mass Deacidification</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Level 1</td>
<td>Level 2</td>
<td>Level 3</td>
</tr>
<tr>
<td>------------------------------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td></td>
<td>(13a)</td>
<td>(13b)</td>
<td>(13c)</td>
</tr>
<tr>
<td><strong>ROCHESTER</strong></td>
<td>10,255</td>
<td>2,625</td>
<td>133</td>
</tr>
<tr>
<td><strong>RUTGERS+</strong></td>
<td>950</td>
<td>794</td>
<td>83</td>
</tr>
<tr>
<td><strong>SASKATCHEWAN+</strong></td>
<td>0</td>
<td>1,310</td>
<td>0</td>
</tr>
<tr>
<td><strong>SOUTHERN CALIFORNIA</strong></td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
</tr>
<tr>
<td><strong>SUNY-ALBANY</strong></td>
<td>725</td>
<td>803</td>
<td>8</td>
</tr>
<tr>
<td><strong>SUNY-BUFFALO</strong></td>
<td>2,431</td>
<td>1,423</td>
<td>228</td>
</tr>
<tr>
<td><strong>SUNY-STONY BROOK</strong></td>
<td>3,022</td>
<td>1,047</td>
<td>0</td>
</tr>
<tr>
<td><strong>SYRACUSE+</strong></td>
<td>11,958</td>
<td>1,476</td>
<td>39</td>
</tr>
<tr>
<td><strong>TENNESSEE</strong></td>
<td>3,040</td>
<td>1,408</td>
<td>514</td>
</tr>
<tr>
<td><strong>TEXAS+</strong></td>
<td>19,777</td>
<td>1,428</td>
<td>768</td>
</tr>
<tr>
<td><strong>TEXAS A&amp;M+</strong></td>
<td>3,781</td>
<td>123</td>
<td>50</td>
</tr>
<tr>
<td><strong>TEXAS TECH+</strong></td>
<td>9</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>TORONTO+</strong></td>
<td>22,214</td>
<td>729</td>
<td>941</td>
</tr>
<tr>
<td><strong>TULANE</strong></td>
<td>21</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td><strong>UTAH</strong></td>
<td>7,760</td>
<td>997</td>
<td>426</td>
</tr>
<tr>
<td><strong>VANDERBILT+</strong></td>
<td>1,946</td>
<td>1,065</td>
<td>4</td>
</tr>
<tr>
<td><strong>VIRGINIA+</strong></td>
<td>512</td>
<td>792</td>
<td>2</td>
</tr>
<tr>
<td><strong>VIRGINIA TECH</strong></td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>WASHINGTON</strong></td>
<td>3,328</td>
<td>3,063</td>
<td>70</td>
</tr>
<tr>
<td><strong>WASHINGTON STATE</strong></td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
</tr>
<tr>
<td><strong>WASHINGTON U.-ST. LOUIS+</strong></td>
<td>8,773</td>
<td>4,936</td>
<td>38</td>
</tr>
<tr>
<td><strong>WATERLOO+</strong></td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>WAYNE STATE+</strong></td>
<td>220</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td><strong>WESTERN ONTARIO+</strong></td>
<td>17</td>
<td>26</td>
<td>0</td>
</tr>
<tr>
<td><strong>WISCONSIN+</strong></td>
<td>15,079</td>
<td>1,145</td>
<td>663</td>
</tr>
<tr>
<td><strong>YALE</strong></td>
<td>5,332</td>
<td>1,498</td>
<td>788</td>
</tr>
<tr>
<td><strong>YORK+</strong></td>
<td>UA</td>
<td>UA</td>
<td>UA</td>
</tr>
<tr>
<td><strong>BOSTON PUBLIC</strong></td>
<td>UA</td>
<td>UA</td>
<td>2,324</td>
</tr>
<tr>
<td><strong>LIBRARY OF CONGRESS+</strong></td>
<td>1,125</td>
<td>1,555</td>
<td>995</td>
</tr>
<tr>
<td><strong>NATL AGRICULTURAL LIBRARY+</strong></td>
<td>10</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td><strong>LIBRARY &amp; ARCHIVES CANADA+</strong></td>
<td>UA</td>
<td>UA</td>
<td>651</td>
</tr>
<tr>
<td><strong>NATL LIBRARY OF MEDICINE</strong></td>
<td>1,434</td>
<td>820</td>
<td>180</td>
</tr>
<tr>
<td><strong>NEW YORK PUBLIC</strong></td>
<td>32,605</td>
<td>52</td>
<td>208</td>
</tr>
<tr>
<td><strong>NEW YORK STATE</strong></td>
<td>9,047</td>
<td>455</td>
<td>34</td>
</tr>
<tr>
<td><strong>SMITHSONIAN+</strong></td>
<td>61</td>
<td>107</td>
<td>235</td>
</tr>
</tbody>
</table>

+ – See footnotes

UA/NA – Unavailable or Not Applicable
### Table 16: Conservation Treatment, Binding, and Preservation Reformattting

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>Entire Bound Volumes</th>
<th>Single Unbound Sheets</th>
<th>Nonpaper Items</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Volumes</td>
<td>Photocopied</td>
<td>Microfilmed</td>
</tr>
<tr>
<td></td>
<td>(19)</td>
<td>(20a)</td>
<td>(20b)</td>
</tr>
<tr>
<td>ROCHESTER</td>
<td>6,476</td>
<td>266</td>
<td>0</td>
</tr>
<tr>
<td>RUTGERS</td>
<td>12,462</td>
<td>22</td>
<td>0</td>
</tr>
<tr>
<td>SASKATCHEWAN</td>
<td>5,712</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SOUTH CAROLINA</td>
<td>7,816</td>
<td>25</td>
<td>192</td>
</tr>
<tr>
<td>SOUTHERN CALIFORNIA</td>
<td>11,419</td>
<td>23</td>
<td>0</td>
</tr>
<tr>
<td>SUNY-ALBANY</td>
<td>15,694</td>
<td>0</td>
<td>1,147</td>
</tr>
<tr>
<td>SUNY-BUFFALO</td>
<td>9,372</td>
<td>72</td>
<td>56</td>
</tr>
<tr>
<td>TENNESSEE</td>
<td>9,339</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>TEXAS</td>
<td>21,768</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>TEXAS A&amp;M</td>
<td>19,711</td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>TEXAS TECH</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>TORONTO</td>
<td>29,977</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>TULANE</td>
<td>3,514</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>UTAH</td>
<td>10,041</td>
<td>34</td>
<td>51</td>
</tr>
<tr>
<td>VANDERBILT</td>
<td>17,829</td>
<td>UA</td>
<td>UA</td>
</tr>
<tr>
<td>VIRGINIA</td>
<td>12,136</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>VIRGINIA TECH</td>
<td>5,547</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WASHINGTON</td>
<td>26,267</td>
<td>23</td>
<td>713</td>
</tr>
<tr>
<td>WASHINGTON STATE</td>
<td>5,496</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WAYNE STATE</td>
<td>11,395</td>
<td>7</td>
<td>0</td>
</tr>
<tr>
<td>WESTERN ONTARIO</td>
<td>4,772</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WATERLOO</td>
<td>8,271</td>
<td>UA</td>
<td>0</td>
</tr>
<tr>
<td>WAYNE STATE</td>
<td>8,562</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>WISCONSIN</td>
<td>27,773</td>
<td>32</td>
<td>19,465</td>
</tr>
<tr>
<td>YALE</td>
<td>71,379</td>
<td>221</td>
<td>2,095</td>
</tr>
<tr>
<td>YORK</td>
<td>14,625</td>
<td>UA</td>
<td>UA</td>
</tr>
<tr>
<td>LIBRARY OF CONGRESS</td>
<td>442</td>
<td>UA</td>
<td>UA</td>
</tr>
<tr>
<td>NATL AGRICULTURAL LIBRARY</td>
<td>261,239</td>
<td>36</td>
<td>152</td>
</tr>
<tr>
<td>LIBRARY &amp; ARCHIVES CANADA</td>
<td>531</td>
<td>UA</td>
<td>0</td>
</tr>
<tr>
<td>NATL LIBRARY OF MEDICINE</td>
<td>18,454</td>
<td>4</td>
<td>20</td>
</tr>
<tr>
<td>NEW YORK PUBLIC</td>
<td>66,146</td>
<td>UA</td>
<td>3,938</td>
</tr>
<tr>
<td>NEW YORK STATE</td>
<td>4,720</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>SMITHSONIAN</td>
<td>3,263</td>
<td>UA</td>
<td>UA</td>
</tr>
</tbody>
</table>
### Table 16: Summary Data

<table>
<thead>
<tr>
<th></th>
<th>Volumes Treated</th>
<th>Mass Deacidification</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Level 1</td>
<td>Level 2</td>
</tr>
<tr>
<td>University Libraries</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td>3,232</td>
<td>936</td>
</tr>
<tr>
<td>Totals</td>
<td>579,380</td>
<td>149,852</td>
</tr>
<tr>
<td>Number of Libraries Reporting</td>
<td>102</td>
<td>102</td>
</tr>
<tr>
<td>Nonuniversity Libraries</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td>1,280</td>
<td>281</td>
</tr>
<tr>
<td>Totals</td>
<td>44,282</td>
<td>2,990</td>
</tr>
<tr>
<td>Number of Libraries Reporting</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>GRAND TOTALS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Median</td>
<td>3,216</td>
<td>869</td>
</tr>
<tr>
<td>Totals</td>
<td>623,662</td>
<td>152,842</td>
</tr>
<tr>
<td>Number of Libraries Reporting</td>
<td>108</td>
<td>108</td>
</tr>
<tr>
<td></td>
<td>Entire Bound Volumes</td>
<td>Single Unbound Sheets</td>
</tr>
<tr>
<td>-------------------------</td>
<td>----------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td></td>
<td>Volumes</td>
<td>Photocopied</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Photocopied</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Photocopied</td>
</tr>
<tr>
<td>Commercially Bound</td>
<td>13,223</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>1,959,668</td>
<td>5,657</td>
</tr>
<tr>
<td></td>
<td>104</td>
<td>100</td>
</tr>
<tr>
<td>Nonuniversity Libraries</td>
<td>3,992</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>354,795</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>GRAND TOTALS</td>
<td>13,032</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>2,314,463</td>
<td>5,700</td>
</tr>
<tr>
<td></td>
<td>112</td>
<td>104</td>
</tr>
</tbody>
</table>

University Libraries

Median

Nonuniversity Libraries

Median

GRAND TOTALS

Median

Number of Libraries Reporting
This worksheet is designed to help you plan your submission for the 2006–2007 ARL Preservation Statistics. Include here ALL libraries for which you want to report data in the ARL Preservation Statistics.

If an exact figure is unavailable, use NA/UA. If the appropriate answer is zero or none, use “0.”

<table>
<thead>
<tr>
<th>Reporting Institution</th>
<th>Date Returned to ARL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report Prepared by (name)</td>
<td>Phone number</td>
</tr>
<tr>
<td>Title</td>
<td>Contact person (if different)</td>
</tr>
<tr>
<td>E-mail address</td>
<td>Phone number</td>
</tr>
<tr>
<td>E-mail address</td>
<td>Phone number</td>
</tr>
</tbody>
</table>

**ADMINISTRATION**

1. Does the library have a preservation administrator? (1)  ____ Yes ____ No

2. If yes, what percentage of the administrator’s total job assignment is dedicated to preservation activities and preservation program management? (2) _______________

3. If yes, what is the job title of the person to whom the preservation administrator reports? (3) __________________________________________________________________________________

4. If the library has a preservation administrator who supervises staff, how many staff are in the preservation unit (including the preservation administrator)?

   4a. Professional Staff FTE (4a) ____________

   4b. Support Staff FTE (4b) ____________

   4c. Student Assistants FTE (4c) ____________

   *(Total Preservation Unit Staff: 4.a + 4.b + 4.c)* (4) ____________

5. How many staff are engaged in preservation activities library-wide (including staff reported in item 4 above)?

   5a. Professional Staff FTE (5a) ____________

   5b. Support Staff FTE (5b) ____________

   5c. Student Assistants FTE (5c) ____________

   *(Total Preservation Staff Library-wide: 5.a + 5.b + 5.c)* (5) ____________
6. Expenditures reported in Canadian dollars? (6) ____Yes

___No

7. Salaries and wages for staff engaged in preservation activities (as reported in line 5 above)

7a. Professional Staff (7a) ___________________

7b. Support Staff (7b) ___________________

7c. Student Assistants (7c) ___________________

(Total salaries and wages: 7.a + 7.b + 7.c) (7) ___________________

8. Contract expenditures

8a. Contract Conservation (8a) ___________________

8b. Contract commercial binding (related to line 16 on the 2006-07 ARL Statistics questionnaire; see instructions) (8b) ___________________

8c. Contract preservation photocopying (8c) ___________________

8d. Contract preservation microfilming (8d) ___________________

8e. Other contract expenditures (8e) ___________________

(Total contract expenditures: 8.a + 8.b + 8.c + 8.d + 8.e) (8) ___________________

9. Preservation supplies (9) ___________________

10. Preservation equipment (10) ___________________

11. Total library expenditures (7 + 8 + 9 + 10) (11) ___________________

12. Total preservation expenditures that came from external sources (12) ___________________
CONSERVATION TREATMENT

13. Number of volumes/pamphlets given conservation treatment

13a. Volumes/pamphlets given Level 1 treatment (13a) ________________

13b. Volumes/pamphlets given Level 2 treatment (13b) ________________

13c. Volumes/pamphlets given Level 3 treatment (13c) ________________

(Total number of treated volumes/pamphlets: 13.a + 13.b + 13.c) (13) ________________

14. Number of unbound sheets given conservation treatment (14) ________________

15. Number of bound volumes/pamphlets mass deacidified (15) ________________

16. Number of linear feet of unbound papers mass deacidified (16) ________________

17. Number of photographs and non-paper items given conservation treatment
(e.g., audio tapes, motion picture film) (17) ________________

18. Number of custom-fitted protective enclosures constructed (18) ________________

COMMERCIAL BINDING

19. Number of volumes commercially bound (19) ________________

PRESERVATION REFORMATTING

20. Number of bound volumes/pamphlets reformatted in their entirety

20a. Photocopied (20a) ________________

20b. Microfilmed (20b) ________________

20c. Digitized (optional) (20c) ________________

21. Number of single unbound sheets reformatted (e.g., one side of one manuscript page, one map)

21a. Photocopied (21a) ________________

21b. Microfilmed (21b) ________________

21c. Digitized (optional) (21c) ________________
22. Number of photographs and non-paper items reformatted (e.g., audio tapes, motion picture film)

22a. By analog means (22a) ____________________

22b. By digital means (22b) ____________________

FOOTNOTES

Please provide footnotes to individual questions, as well as footnotes that apply to your entire institution. Please provide any information which would clarify the figures submitted, e.g., the inclusion of branch campus libraries or any special projects which might cause radical increases or decreases from the 2005-06 data. Please compare this year’s footnotes to what you reported last year. Please make an effort to word your footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret your footnotes correctly.

Submit the completed questionnaire by January 30, 2008

For assistance, please e-mail Martha Kyrillidou (martha@arl.org) or Mark Young (stats-ra@arl.org)
Or call the ARL Office at (202) 296-2296.
ARL Preservation Statistics Questionnaire, 2006–2007

Instructions for Completing the Questionnaire

GENERAL INSTRUCTIONS

Please read all instructions carefully before you answer the questionnaire. Make sure your responses are as complete and accurate as possible. Give estimates when you must, but please do not make wild guesses. Use footnotes to expand upon or clarify your responses.

All questions assume a fiscal year ending June 30, 2007. If your library’s fiscal year is different, please use footnotes to explain.

Please respond to every question. If an exact figure cannot be provided, use UA/NA (unavailable or not applicable). If the appropriate answer is zero or none, use 0; note that UA/NA is different from a real 0 (zero).

Use the same basis for reporting as is used in responding to the main ARL Statistics questionnaire. For example, if in ARL Statistics you normally include data for a law library and/or a medical library, also include those libraries in response to this survey and note the inclusions in footnotes as prompted.

Although the form allows for data to be entered from both main and branch campuses, an effort should be made to report figures for the main campus only. (The U.S. National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS) defines a branch institution as “a campus or site of an educational institution that is not temporary, is located in a community beyond a reasonable commuting distance from its parent institution, and offers organized programs of study, not just courses.”) If figures for libraries located at branch campuses are reported, please specify which “branch libraries are included and which ones are excluded” in the comments box on the web form.

A branch library is defined as an auxiliary library service outlet with quarters separate from the central library of an institution, which has a basic collection of books and other materials, a regular staffing level, and an established schedule. A branch library is administered either by the central library or (as in the case of some law and medical libraries) through the administrative structure of other units within the university. Departmental study/reading rooms are not included.

SPECIFIC INSTRUCTIONS

For the purposes of this survey, the elements of a “preservation program” include: conservation treatment, commercial binding, and preservation reformatting. While shelf preparation activities (e.g., plating, labeling, insertion of security devices) and stack maintenance have obvious preservation implications and may be supervised by the preservation administrator, these activities are not quantified in this survey.

Question 1. Does the library have a preservation administrator who spends at least 25% of his or her time managing a partial or comprehensive preservation program?

Question 2. What percentage of the preservation administrator’s total job assignment is dedicated to preservation activities? If the library has a full-time preservation administrator, general management activities (e.g., meeting attendance, committee participation) should be considered an integral part of the administrator’s responsibilities and the answer to this question recorded as 100%. In contrast, where the preservation administrator is a part-time staff member or has a dual assignment (e.g., she or he is also a serials
librarian, bibliographer, or curator), the percentage of time devoted to preservation activities and preservation management should be recorded. If the library has no preservation administrator enter “0.”

**Question 3.** Record the job title (not the individual name) of the person to whom the preservation administrator reports (e.g., “Associate Director for Collection Development”). If the library has no preservation administrator enter “0.”

**Questions 4-5.** FTE (i.e., “Full-Time Equivalent”) is the numerical representation of full- and part-time work activities. A person working full time is represented by an FTE of 1.00; a person working half time by an FTE of 0.50. Five persons working half time are represented by a combined FTE of 2.50. The number of FTE staff should be determined on the basis of the length of the work week in the reporting library. **Round figures to the nearest two decimal places.**

Record FTE staff in filled positions or positions that are only temporarily vacant on the date that ends the library’s fiscal year. Also record staff hired for special projects, internships, and grants, but provide an explanatory note in the footnotes indicating the FTE of such staff. The footnotes should also be used to record such information as the number of hours worked by volunteers (this figure is not recorded in the survey itself), and the number of months that a full-time position was vacant during the year.

Report trained professional conservators and photographers (senior practitioners—not technicians) in the “professional” category whether or not they have a master’s degree in library studies.

**Question 4.** Only the preservation administrator and staff who report directly to him or her, or to someone supervised by him or her, should be recorded here. If the library has no preservation administrator, or if the administrator does not have direct line responsibility for staff, enter “0.”

**Question 5.** This figure includes staff who report to the preservation administrator, as recorded in Question 4, plus staff outside the preservation unit who are involved in preservation activities. The following activities should be included regardless of the department or library to which staff report: conservation, preparation for commercial binding, all activities associated with preservation reformatting (including selection for preservation, searching, and cataloging), and service on preservation committees.

**For staff members with dual assignments, record only that time devoted to preservation activities.** For example, a student assistant who works 0.40 FTE and devotes half of his or her time to book repair and the rest to serials checkin would be recorded as 0.20 FTE.

**Question 7-11.** Report all expenditures, regardless of the source of funding (e.g., funds may come from the regular institutional budget, grants, or fees for services).

Canadian libraries should report expenditures only in Canadian dollars. These amounts will be translated into U.S. dollars using a conversion exchange rate of 1.1323 Canadian dollars to 1 U.S. dollar, which was determined using the average monthly noon exchange rate published in the *Bank of Canada Review* for the period July 2006 through June 2007.

**Questions 7a-7c.** Record salaries for staff reported in response to Question 5, the number of staff engaged in preservation activities library-wide. Do not include fringe benefits.
Question 7d. This answer is the sum of the answers to Questions 7a through 7c. Attach any footnotes for Questions 7a-7c here, as only this figure appears in the data reports.

Question 8. “Contract expenditures” refers to expenditures for preservation services for which the library is invoiced by an outside vendor, organization, or individual (e.g., a commercial library binder, commercial microfilming service, or professional conservator in private practice).

Question 8a.

Conservation: Refers to the remedial and protective treatment (both mechanical and chemical) of bound volumes, manuscripts, maps, posters, works of art on paper, photographic materials, magnetic tapes, and other library materials to restore them to usable condition and/or to extend their useful lives. Note that conservation involves preserving information in its original form. The reproduction of materials (e.g., the copying of information onto the same, similar, or new media) is recorded in the preservation reformatting section of this survey. Conservation also refers to the construction of protective enclosures (e.g., wrappers, jackets, boxes) for library materials. Use of archivally sound methods and materials is presumed.

Conservation encompasses a wide range of treatments, including pamphlet and paperback binding, temporary serials binding, tipping in inserts, making pockets for loose parts, slitting uncut pages, making paper repairs, removing tapes and stains, tightening hinges, replacing endpapers, rebacking, recasing, rebinding, repairing sewing structures before sending volumes out for commercial binding, and itembyitem and mass deacidification. Treatments range from minor procedures that can be done relatively quickly by technicians to major procedures that are chemically and mechanically complex and require the skill and judgment of a conservator.

Conservation may also include item-by-item treatment of materials damaged by water, fire, and mold. Because mass freeze drying and fumigation can involve very large numbers that would mask the size and nature of the in-house conservation effort, such activities are recorded in response to Question 8e, “other contract expenditures” and explained in the footnotes, but are not recorded in response to Questions 13-14. Exhibit preparation is recorded as conservation activity when an item is treated (e.g., a print is cleaned), but not when a temporary support (e.g., a book cradle) is constructed to display an item. In the latter case, total FTE staff suffices as a measure of effort.

If fees paid to commercial binders for products and treatments other than library binding (e.g., for phase boxes) have been recorded on the main ARL Statistics in response to Question 16, please note instructions for answering Question 8b, below.

Question 8b.

Commercial binding: Refers to the binding, rebinding, and recasing performed by commercial library binderies, as described in the Library Binding Institute Standard for Library Binding, 8th edition (Rochester: Library Binding Institute, 1986). Commercial library binderies use oversewing machines; Smythe-type sewing machines; double-fan adhesive
binding equipment; and automated rounders and backers, hydraulic presses, and spine stamping equipment, in a high-production environment.

This figure should match the figure reported on the main ARL Statistics 2006-07 survey in response to Question 16, unless the library purchases conservation services from a commercial library binder. Where fees have been paid to a commercial library binder for conservation services, record those fees in response to Question 8a herein. Subtract conservation fees from the dollar amount reported in response to Question 16 of the main ARL Statistics 2006-07 and record the resulting figure in response to Question 8b herein. Explain the discrepancy between answers to Question 16 of the main ARL Statistics and Question 8b of the ARL Preservation Statistics in a footnote.

**Question 8e.** Other contract expenditures might include fees paid for commercial freeze-drying, fumigating, or mass-deacidification of library materials; membership fees for use of regional conservation facilities; or equipment repairs. If answers are recorded in response to optional Questions 20c and 21c (number of items digitized), record expenditures here. Use footnotes to note the amount and nature of major expenditures.

**Question 8f.** This answer is the sum of the answers to Question 8a through 8e.

**Question 9.** Supplies include materials used for conservation treatment (e.g., papers, book cloths, adhesives, pamphlet binders, box board, chemicals, disposable filters for water systems); commercially available archival quality boxes, wrappers, file folders, and envelopes; paper used for preservation photocopying and digitizing; and film, chemicals, and other supplies used for preservation microfilming. Expenditures for equipment and tools costing under $100 should be recorded here. Expenditures for security labels and stamps, book pockets, call number and bar code labels, and book plates fall outside the scope of this survey and should not be recorded.

Since housing of commercially available boxes, wrappers, folders, and envelopes can involve very large numbers that would mask the size and nature of the in-house conservation effort, the use of such supplies to protect books, manuscripts, maps, microfiche, photographs, videotapes, and other library materials is recorded only here—not in response to Questions 13-14.

**Question 10.** Record expenditures for equipment and tools costing over $100, such as machinery (e.g., board shears, fume hoods, microfilming cameras, photocopy machines and scanners exclusively used for preservation reformatting), furniture (e.g., laboratory benches, chemical supply cabinets), and computer hardware purchased for exclusive use by a preservation department for such purposes as conservation management, bindery preparation, and bibliographic searching related to preservation reformatting. Capital expenditures for building renovations (e.g., the construction of a conservation facility) or for construction that results in improved housing of library materials (such as replacement of heating, ventilating, and air conditioning systems) should be recorded only in footnotes.

**Question 11.** This answer is the sum of the answers to Questions 7, 8, 9, and 10.

Certain preservation-related expenses are not requested in this survey (e.g., the cost of staff training, conference attendance, and other staff development activities; printed brochures and posters; purchase of reference materials). If significant, these should be noted in footnotes.
Question 12. Record total preservation expenditures that were funded by external agencies in the form of grants. Funds allocated from the library’s regular operating budget (including gifts, royalties, endowment income, and special funds provided to the library by its parent institution) are regarded as internal and should not be reflected here.

Questions 13. This answer is the sum of answers to Questions 13a-13c. See definition of conservation under instructions for Question 8a above. Record the number of volumes (including pamphlets) given conservation treatment, not the total number of treatments performed. Answers to these questions should be mutually exclusive. While any given volume may receive several treatments, it should be recorded only once, as a Level 1, 2, or 3 treatment depending on the amount of time devoted to the volume. For example, when an errata sheet is tipped into a volume, three pages are repaired, and its hinges are tightened, and these procedures take a total of 25 minutes to perform, the volume should be recorded only once, as a Level 2 treatment. The repair of several pages of a volume or pamphlet should not be recorded under “unbound sheets” (Question 14), even if the volume is disbound at the time the pages are treated. Rather, treatment of the volume should be recorded once, as a Level 1, 2, or 3 book treatment, depending on the time required to perform all procedures.

When a volume receives conservation treatment and a box is made for it, however, the conservation should be recorded as a Level 1, 2, or 3 treatment, and the boxing should be recorded in response to Question 18 (number of custom-fitted protective enclosures constructed). Likewise, when two pages of a book are repaired and the book is sent to a commercial bindery, the volume should be recorded as a Level 1 conservation treatment and as a “commercial binding” (Question 19).

Because the nature of procedures and the level of in-house conservation expertise varies significantly across ARL libraries, treatments are recorded based on the length of time they require, time being a meaningful and comparable measure of effort. Use of archivally sound methods and materials is presumed.

Question 13a. Level 1 conservation treatments require 15 minutes or less to perform.

Question 13b. Level 2 treatments require more than 15 minutes but less than two hours to perform.

Question 13c. Level 3 conservation treatments require two hours or more to perform. Where an extraordinary number of hours is required to treat selected items, this information can be recorded in footnotes.

Question 14. Unbound sheets include items such as manuscripts, maps, posters, and works of art on paper. Procedures include a variety of mechanical and chemical treatments (e.g., paper repair, surface cleaning, washing, deacidifying, encapsulating, mounting, matting) that lengthen the life of the item. Use of archivally sound methods and materials is presumed. Report the total number of sheets of paper that were treated—not the total number of treatments performed.

Questions 15-16.

Mass deacidification is a process by which books and papers are treated to neutralize acidity and to introduce an alkaline buffer. Materials are deacidified in batches, in chambers that hold several (or many) items.
Item-by-item deacidification of bound volumes and papers, performed by conservators and technicians, should be recorded in response to Questions 13-14.

**Question 17.** Record conservation treatment of photographic materials here, including photographs printed on paper, glass, plastics, and other materials. “Non-paper items” include materials other than bound volumes, unbound paper, and photographs. Treatment of non-paper items might include such activities as conserving globes, cleaning videotapes, and repairing motion picture film. Report activities such as remastering videotapes, copying photographs, re-recording sound, and other activities involving duplication of media in response to Question 22 (number of photographs and non-book/paper items reformatted).

**Question 18.** Custom-fitted enclosures are distinguished from the commercially available boxes and other enclosures identified in Question 9 as “supplies,” in that the former are custom-made to fit their contents and the latter are standard-sized enclosures available through supply catalogs. Custom-fitted enclosures include paper and polyester book jackets, paper and board wrappers, portfolios, phase boxes, double-tray boxes, and other boxes. (Polyester encapsulation of single sheets should be reported in response to Question 14—not here.) Use of archival quality methods and materials is presumed.

**Question 19.** See definition of commercial binding under instructions for Question 8b above. Record all volumes (including pamphlets) bound or rebound by a commercial bindery.

**Questions 20-21.** “Number of bound volumes/pamphlets” refers to the reformatting of volumes in their entirety (i.e., each page is copied to produce a facsimile volume in paper, on film, or in digital form). “Number of unbound pages” refers to the sum of the number of full pages copied. For a manuscript written on one side of a sheet, record one page. For a manuscript written on two sides of a sheet, record two pages. For one frame of film that captures one page, record one page. For one frame of film that captures two pages, record two pages.

Preservation photocopying refers only to items photocopied on paper that has a minimum pH of 7.5, a minimum alkaline reserve equivalent to 2% calcium carbonate based on ovendry weight of the paper, and includes no groundwood or unbleached pulp. Images must be properly fused to the paper.

Preservation microfilming presumes adherence to relevant American National Standards Institute (ANSI) and Association for Information and Image Management (AIIM) standards as well as microfilming guidelines published by the Research Libraries Group and National Library of Canada.

For microfilming, record data only for first-generation microforms. For a monographic set of three volumes, record three volumes; for thirty volumes in a serial run record thirty volumes. Include data for projects that are undertaken cooperatively with other libraries, but not for commercial projects wherein a commercial vendor borrows library materials for filming and subsequent sale of the film. When the library serves as a commercial microfilming vendor for another institution, this filming should be reported by the library that contracts for the filming—not by the library that does the filming. Dissertations that are sent to UMI for filming should not be recorded.

Record preservation microform masters produced by copying non-archival or damaged film, or produced from digitized text. Use footnotes to indicate the scope and nature of such activity.
Digitizing for preservation purposes is the reproduction of bound volumes, pamphlets, unbound sheets, manuscripts, maps, posters, works of art on paper, and other paper-based materials for the purpose of:

a) making duplicate copies that replace deteriorated originals (e.g., by digitizing texts and storing them permanently in electronic form and/or printing them on alkaline paper);

b) making preservation master copies and thus guarding against irretrievable loss of unique originals (e.g., by making high-resolution electronic copies of photographs and storing them permanently and/or printing them; or

c) making surrogate copies that can be retrieved and distributed easily, thereby improving access to information resources without exposing original materials to excessive handling;

or some combination of these factors.

Record the total number of items that were digitized—not the total number of versions of these items that were created. Where a photograph is scanned and printed, a low resolution image mounted on the World Wide Web, and images having higher resolution recorded on CD-ROM, report one photograph digitized.

Question 22. Refers to the copying of all types of photographs, and non-paper media such as audio tapes, videotapes, various types of disks, and motion picture film for preservation purpose (see instructions for digitizing for preservation purposes, above). A photograph copied using a 35mm. camera is an analog reproduction; a photograph copied using a digital camera is a digital reproduction.

Footnotes. Explanatory footnotes will be included with the published statistics. Reporting libraries are urged to record in the footnote section any information that would clarify the figures submitted, e.g., the inclusion of branch campus libraries (see paragraph six of the “General Instructions” for definition of branch campus libraries).

Submit the completed questionnaire by January 30, 2008. Please contact Martha Kyrillidou (martha@arl.org) or Mark Young (stats-ra@arl.org) at (202) 296-2296 for assistance.
Footnotes to the ARL Preservation Statistics, 2006–2007

Footnotes may also include errata and corrections to data from prior years not previously reported. Numbers in parentheses refer to columns in Library Data Tables and to Questionnaire numbers. Unless otherwise noted, all figures are as of 06/30/2007.

ALABAMA

All figures are as of 9/30/2007.

ARIZONA STATE

310 hours of work by a volunteer are included in this report.

AUBURN

7a This increase in the use of professional staff in preservation is the result of increased digitization activities using professional staff.

8b This decrease in commercial binding is a result of the cumulative effect of moving paper journal subscriptions to online journal subscriptions during the past four years.

BRIGHAM YOUNG

All figures are as of 12/31/2006.

BRITISH COLUMBIA

All figures are as of 31/03/2007.

UBC Library does not have a preservation administrator. The preservation librarian reports to the Asst University Librarian for Collections.

7-12 Expenditures as reported in Canadian dollars: (7) $203,320 (7a) $26,500 (7b) $160,300 (7c) $16,520 (8) $203,170 (8a) 0 (8b) $186,094 (8c) 0 (8d) $17,076 (8e) 0 (9) $5,150 (10) 0 (11) $411,640 (12) $100.

7b Salary increase includes a one-time signing bonus in 2007.

13b Law Library Collection maintenance project.


CALIFORNIA, BERKELEY

The Affiliated Libraries and the Law Library are not included in the Preservation Statistics for the UC Berkeley Library.

8b The figure for Contract Binding excludes binding done for the Affiliated Libraries and the Law Library.

CALIFORNIA, LOS ANGELES

1 Preservation Officer retired in 2007 and the position has not been filled.

CALIFORNIA, SAN DIEGO

All branch libraries are included.

CASE WESTERN RESERVE

4b At Kelvin Smith (KSL) Library, one FTE reduced her hours to 0.6%. Temporary workers (0.19%) were hired to clear up commercial binding and hand binding backlogs.

4c At KSL, an extra student assistant was hired to help with the commercial bindery backlog.

5a At KSL, one professional FTE (digital library assistant) who used to work for Preservation stopped doing any preservation work due to other projects.

8c In 2005-06, there was a one-time special microfilming project. This year there were no projects.

8e Kelvin Smith Library spent $293 on CD master storage, $67 on microfilm master storage, $990 for mold clean-up by an outside contractor, $180 for mold analysis (lab).

9 Kelvin Smith Library; includes purchase of 1,600 new microfilm boxes to replace moldy ones.
A temporary part-time conservator was hired at KSL to help clear up the backlog of books needing extensive repairs/restorations.

This year we concentrated on clearing up the backlog of level 3 treatments, so students were taught to do level 2. Also, repairing what would normally be a level 2 sometimes took students longer so they became level 3.

In 2005-06, we had books digitized through a contract vendor. This year we did not. In 2005-06, Law Library did a large one-time digital project and did not this year.

In 2005-06, Law Library scanned a large collection of photographs for a project and Kelvin Smith Library scanned a large amount of slides for a one-time project. This year they did not.

**CHICAGO**

- Includes in-house and commercially produced boxes and enclosures.
- Includes digital reformatting for paper-based material and media formats; and cleaning projects.
- Costs for printed copies included in 8e.
- Includes in-house and commercially produced custom-fitted boxes and enclosures.

**COLORADO**

- Staff figures in preservation include temporary help hired to complete the Collections Needs Assessment Project (CNAP).
- Figures reflect staff and faculty who spend a portion of their time on preservation activities (bindery prep, preservation in Special Collections and Maps, and digitization of the Sanborn maps). There are estimates of their time and salaries (items in section 7).
- The majority of student labor is hired on work study, and the library pays only one-third of their salaries. There are no accurate figures available for the university’s contribution.
- This figure includes handling fees for on-campus delivery of binding shipments and two grant-funded projects.
- This figure includes an invoice that was counted as paid in 2005-06. A delay in reconciling the books led to an inaccurate report of payment on an invoice that was actually paid in 2006-07 in the amount of $7,285. This reflects an accurate expenditure of funds for the 2006-07. This figure excludes enclosures expenditures.
- This figure represents expenditures related to a grant-funded consultant, grant funds for digitization of maps, and money expended to transport bindery shipments to and from central distribution on campus.

**COLUMBIA**

- Staff hired for Special Projects, Internships, Grants = 11.82 FTE.
- Protective enclosures produced by contract conservators and repair work done by the commercial binder are accounted for here.
- Number does not agree with the binding number submitted on line (16) of the 2006-07 ARL Statistics. The number in 8b has been adjusted to exclude $64,502 (representing custom-made enclosures paid for through binding accounts) and $59,987 (representing repair work done by the commercial binder). These items have been included on line (8a) Contract Conservation in this survey. Also excluded is $61,543 (Law Library); $21,913 (Medical Library); $27,791 (Barnard); and $8,822 (Teachers College). The number on line (8b) matches the volumes counted on line (19).
- Includes $139,663 for Slavic Culture & History Microfilming-Phase 4.
- Includes $29,672 from Slavic Culture & History Microfilming-Phase 4 for preparation and cataloging.

**CORNELL**

- Did not gather FTE and most expenditure data for 2006/2007.
- Excludes the Medical College Library in New York, N.Y.

**DARTMOUTH**

- The college accounting system changed in 2006-07 and it was impossible to obtain financial data beyond Preservation Services's own supply expenditures.

**EMORY**
All figures are as of 8/31/2007.

FLORIDA

8e This figure refers to conversion of analog source materials to digital using a contracted digitization vendor.

GEORGE WASHINGTON

2 Health Sciences Serials Librarian’s effort at preservation is 10%. Anything less than 25% is entered as 0, meaning that the library does not have a Preservation Administrator.

GEORGIA

2 Includes Main Library at 50% and Law Library at 50%.
5 2 FTE Professional Staff, 5 FTE Support Staff, and 2.87 FTE Student Assistants were paid from external sources.
8e Other contract expenditures ($11,000.00) were from preservation microfilming equipment maintenance.
13 Conservation treatment statistics have declined sharply from 2005-06 due to the completion of a project to treat fire-damaged materials.

GEORGIA TECH

Fiscal year runs from 7/1/06-6/30/07.

GUELPH

All figures are as of 4/30/2007.

These survey results refer to the operations of the McLaughlin Library, the Learning Commons in the Ontario Veterinary College, and the TriUniversity Storage Annex (Guelph materials only).

7-12 Expenditures as reported in Canadian dollars: (7) $13,500 (7a) $1,000 (7b) $9,500 (7c) $3,000 (8) $31,522 (8a) 0 (8b) $31,522 (8c) 0 (8d) 0 (8e) 0 (9) $16,143 (10) 0 (11) $61,165 (12) 0.

HARVARD

Two libraries had major, special projects for reconfiguring collections which involved staff time/supply expenses in the review and rehousing of materials, with some items moved to the Harvard Depository.

3 It is a joint reporting situation: Jan Merrill-Oldham, the Malloy-Rabinowitz Preservation Librarian in the University Library and the College Library, reports to Rebecca A. Graham, the Associate Librarian of Harvard College for Collection Development.

7 Of the 23 libraries of Harvard reporting data for this survey, not all supplied salary information (especially units with few staff or small % of FTE devoted to preservation). Also, in collection of data at Harvard, we used 1 category in addition to the professional, support, and student figures solicited; this other category (usually a variety of less than full time staff, possibly professional or support) was summed with the student figure for this ARL report.

18 Includes photographs placed in custom fitted enclosures.

19 This number is compiled through different sources than the general Harvard ARL statistics and may vary from that report.

22b Includes 3,901 digital objects, consuming 780.07 GB of storage, created by the Loeb Music Libary of the Harvard College Library.

HAWAII

Hawaii’s semi-tropical environment requires a continuous mold and pest management program. Books with mold cleaned: 8,270.

4-7 Classification of staff changed compared with 2005-06. Includes flood recovery personnel.

HOUSTON

22b 1,260 photos and 4 audio tapes.

ILLINOIS, URBANA


2 During the reporting period, the Preservation Administrator was also serving as the Acting Associate University Librarian for Collections.

13a-13b Decrease in number of items treated due to end of project supported work in 2005-06.

13c Boxes made by Main Library Conservation Unit for Law library’s rare books.
14 Excessive decrease in this category resulted from 2005-06 bulk treatment of 9,000 pages of manuscript material by disaster response company. Discounting that, number of single items treated actually increased by 290 items.
15 Decrease in number of items treated due to end of project supported work in 2005-06.
16 The decrease from 2005-06 is due to a mis-calculation in the 2005-06 figures.
18 The decrease in this report resulted from the completion of an extensive project associated with a collection shift.
20c Only includes items processed by Preservation/Conservation Units.
21a Decrease resulted from end of grant-funded project in 2005-06.
22a-22b Large decrease due to 2005-06 focus on photographs. This year’s work focused on AV materials.

IOWA
10 Figure reflects purchase of used book freeze dryer, moisture meter, cabinets, carts, and flatbed book scanner/copier.
13 Decrease due to staff focus on Level 3 and protective enclosure projects.
18 Increase due to shift in project type focus.
20b Decrease due to end of grant funded project.
20c Increase due to new equipment capability.

IOWA STATE
4b Lost 1 Support Staff FTE in 2006-07.
8d Contract preservation microfilming dropped from $98,063 in 2005-06 to $1,055 in 2006-07 because in 2005-06 the reformatting position was filled; newspaper title was added to microfilming - entire backfile was microfilmed; and there was a special project to microfilm all dissertations not previously done.
20b Number of bound volumes/pamphlets reformatted in their entirety - microfilmed. This figure dropped from 1,980 in 2005-06 to 2 in 2006-07 for reason stated in footnote (8d).

KANSAS
4b Reflects bindery supervisor position, which has been vacant for 7 months.
7b Salaries expense less due to 7 month vacancy in bindery position.

KENTUCKY
4a 1.0 FTE reformatting librarian position was vacant.
4b 1.0 FTE Conservation Technician position vacant; 1.0 FTE grant-funded Student Assistant filled for only 3 months.
21b Volumes = Reels. 302,465 1N exposures.

LAVAL
We have one library in two buildings: Social and Human Sciences Library Building (including Law) and Science Library Building (including Medicine). All are taken into account in the preservation statistics.
7-12 Expenditures as reported in Canadian dollars: (7) $226,709 (7a) $74,458 (7b) $152,251 (7c) 0 (8) $51,174 (8a) UA/NA (8b) UA/NA (8c) UA/NA (8d) UA/NA (8e) $51,174 (9) $57,391 (10) 0 (11) $335,274 (12) 0.
8e Contract to produce digital copies of theses and dissertations (preservation copies in PDF-A) + maintenance contracts for equipment.
20c This is for the digitization of thesis and dissertations of Laval University. XML files or PDF-A files are produced.

LIBRARY & ARCHIVES CANADA
7-12 Expenditures as reported in Canadian dollars: (7) $6,759,556 (7a) $6,759,556 (7b) UA/NA (7c) UA/NA (8) $422,800 (8a) $197,297 (8b) $7,801 (8c) UA/NA (8d) UA/NA (8e) $217,702 (9) $359,764 (10) $273,230 (11) $7,815,350 (12) UA/NA.
7a Total Salary and wages for preservation activities.
17 Photographs, paintings, frames.
20b It’s a combination of bound and outbound together.
21c Approximately 2,000,000 images.
22a 4,424 hours audio, video, and films = analogue and digital together.

LIBRARY OF CONGRESS

All figures are as of 9/30/2007.
5,7 Includes the Preservation Directorate and the Motion Picture/Broadcasting and Recorded Sound Division.
8e Includes mass deacidification and digital contracts.
16 Figure is number of documents, not linear feet.
22b MBRS -- audio, 1,311, video, 2,194.

LOUISIANA STATE

7a-7b This figure includes only Special Collections staff, not Main.
8b Increase due to NHPRC grant.
12 NHPRC grant.
13a-13b Decrease from 2005-06 number when Codrescu collection was rehoused.
19 This figure is only for Special Collections; see main survey for main collections binding.
20a Higher figure in 2005-06 due to push to create surrogates for items held in our vault.
21a-21b,22b Change from 2005-06 just due to variations in work.

MCGILL

All figures as of May 31, 2006. Includes all branch libraries where possible.
7-12 Expenditures as reported in Canadian dollars: (7) $287,000 (7a) $85,000 (7b) $185,000 (7c) $17,000 (8) $244,600 (8a) $8,603 (8b) $235,997 (8c) 0 (8d) 0 (8e) 0 (9) $11,651 (10) 0 (11) $543,251 (12) $15,700.

MCMASTER

All figures are as of 4/30/2007.
7-12 Expenditures as reported in Canadian dollars: (7) $123,155 (7a) UA/NA (7b) $123,155 (7c) UA/NA (8) $137,711 (8a) 0 (8b) $58,846 (8c) 0 (8d) $1,865 (8e) $77,000 (9) $7,500 (10) 0 (11) $268,366 (12) 0.

MARYLAND

4 The Head of Preservation left in May 2007. The position has not yet been filled. The Conservator position was vacant until April 2007, when a Conservator was hired.
12 Received an NEH/USAIN grant to microfilm agricultural materials and spent $29,620 in 2006-07. The UM Libraries received a grant to digitize children’s books from the Prange collection and spent $93,994 in 2006-07.

MICHIGAN

Includes the Law Library.
Does not include the following: Bentley Historical Library, William L. Clements Library, Kresge Business Administration Library, Mardigian Library (main library of UM-Dearborn), Frances Willson Thompson Library (main library of UM-Flint).
4b Excludes 0.5 FTE volunteers in Conservation Services.
8b Does not include Bentley, Clements, and Business libraries. Further discrepancy with Main Survey because cost of boxes and portfolios made by the commercial binder are excluded.
8e Includes expenditures for: mass deacidification, $85,647; digital imaging, $130,809; off-site archival microfilm storage, $3,971; service contracts and equipment maintenance, $1,004; shipping to vendors, $5,965.
11 Does not include $5,027 in travel support for Preservation staff.

MICHIGAN STATE

5 This figure does not include over 700 hours (over the course of the 12 months) provided by two volunteers in the conservation lab.
8e This figure includes: total digitization, $350; total mass deacidification, $59,520; total commercial bindery boxes, $5,330.
No conservation equipment was purchased during this period since the lab is more or less fully equipped. 2005-06 figures were for purchasing equipment after renovations were complete.

External funding source is from the “Save America’s Treasures” grant awarded to MSU in November 2005 and extending through June 2008. The grant did not get fully underway (because of funding delays) until June 2006.

Increase due to two things: 1) work done by assistant conservator working on the “Save America’s Treasures” grant; 2) pamphlet binding was moved from commercial binder to the conservation lab.

Increase due to two things: 1) work of assistant conservator working on “Save America’s Treasures” grant; 2) advanced training of conservation technician who began working on more complex repairs.

MINNESOTA

Does not include University of Minnesota coordinate campuses: University of Minnesota-Duluth, University of Minnesota-Crookston, University of Minnesota-Morris.

University Libraries has a preservation unit administered by Collection Development Officer on a part-time basis.

MONTREAL

Includes all 18 libraries in the Montreal library system.

7-12 Expenditures as reported in Canadian dollars: (7) $268,076 (7a) $49,978 (7b) $218,008 (7c) 0 (8) $151,617 (8a) $49,978 (8b) $132,537 (8c) 0 (8d) $15,460 (8e) 0 (9) $9,743 (10) 0 (11) $429,436 (12) 0.

NATIONAL LIBRARY OF MEDICINE

All figures are as of 9/30/2007.

The National Library of Medicine has no branch libraries.

7 Excludes salaries for 4.35 professional and 0.25 support staff who work on scanning of journal backfiles for PubMed Central.

8e $330,606 Digital manuscripts reformatting; $186,997 archival processing and rehousing; $13,343 prints and photograph rehousing; $3,020 freeze drying wet books; $86,724 microfilm and audiovisual off-site vaults; $2,886 print master microfilm storage; $3,440 microfilm duplication; $9,281 custom boxing; $322,314 binding preparation; $57,234 audiovisual duplication; $13,590 digitizing pamphlets; $792,225 scanning; 278,700 journal articles for PubMed Central.

20c Includes 278,700 journal articles digitized for PubMed central.

NEW MEXICO

5b, 7b University Libraries: Increase in support staff doing preservation work to prepare materials for move to newly installed compact shelving.

NEW YORK

All figures are as of 8/31/2007.

NEW YORK STATE

All figures are as of 3/31/2007.

NORTH CAROLINA

5b 0.0005 reported.

NORTH CAROLINA STATE

10 Preservation area was upgraded during 06/07 as a result of a building renovation.

20c 22b Includes some grant-funded digitization activity.

NORTHWESTERN

All figures are as of 8/31/2007.

OHIO

1 Preservation unit was managed by full-time Head of Preservation through December 2006. After Head of Preservation resigned, this position remained open through June 2007

4a Includes Collections Conservator, 1 FTE; Head of Preservation 0.5 FTE (full-time during six months of this reporting period).

OKLAHOMA STATE

8b Does not include theses account.
19  Binding numbers cover only November 2006-June 2007 due to new bindery contract.

OREGON

8e  Digital reformatting.

PENNSYLVANIA

Includes the Law and Health Sciences libraries.

13c  74 items required more than 5 hours.

PENNSYLVANIA STATE

4b  Two full-time positions in Bindery Prep were vacant for a portion of the year, one for 5 months and one for 3 months. Figure includes one full-time position for NEH-funded USNP Pennsylvania Newspaper Project (1.0 FTE).

4c  Figure includes one wage support position for NEH-funded USNP Pennsylvania Newspaper Project (1.0 FTE).

8b  Figure represents only commercial binding. Conservation service fees from commercial binder and mass deacidification expenditures have been subtracted from the figure for contract binding (16) in the 2006-07 ARL Statistics.

PURDUE

5b  Includes 300 hours (0.14 FTE) of consultants’ time transcribing handwritten documents in preparation for “OCRing” and creating lesson plans.

7  Includes $6,500 for consultants’ time transcribing handwritten documents in preparation for “OCRing” and creating lesson plans.

11  Excludes $7,366 for ContentDM and related licenses, and $10,800 for LOCKSS membership.

12  Represents LSTA/IMLS grant funds expended to digitize writings and paintings of George Ade in collaboration with Tippecanoe County Historical Association.

RUTGERS

Summary includes two Law Libraries, services to a non-Rutgers medical school and campuses in Camden, Newark and New Brunswick.

SASKATCHEWAN

All figures are as of 4/30/2007.

7-12  Expenditures as reported in Canadian dollars: (7) $176,516 (7a) $34,652 (7b) $136,557 (7c) $5,307 (8) $58,792 (8a) 0 (8b) $58,792 (8c) 0 (8d) 0 (8e) 0 (9) 0 (10) 0 (11) $235,308 (12) 0.

SMITHSONIAN

All branches are represented.

8a  Custom boxes from Custom Manufacturing Inc.

8e  Board shear sharpening.

9  Book cloth, four flap enclosures, adhesives, etc.

10  New cabinets and counter tops.

SYRACUSE

8a  Does not include Law Library.

13a  Includes 8,313 volumes treated by paperback stiffening.

22a  Cylinder recording.

22b  Includes: 1 cylinder recording, 9 magnetic tapes, 4 shellac “78” discs.

TEXAS

All figures are as of 8/31/2007.

Excludes the McDonald Observatory Library.

1  University of Texas Libraries (UTL) employs 1.0 FTE Head Librarian, Preservation Services (100% dedicated to preservation activities and preservation program management); Harry Ransom Humanities Research Center (HRHRC) employs 1.0 FTE Associate Director, Conservation and Building Management (70% dedicated to preservation activities and preservation program management).
3 Head Librarian, Preservation Services reports to the Associate Director, Technical Services Division (UTL); Associate Director for Conservation and Building Management reports to the Executive Associate Director of the Center (HRHRC).

4 Excludes 0.75 FTE conservation interns and 1.25 FTE conservation volunteers (HRHRC only).

4a Includes 3.0 FTE (UTL); 6.5 FTE (HRHRC).

4b Includes 8.50 FTE (UTL); 6.5 FTE (HRHRC), includes 4.5 FTE exhibit preparators.

4c Includes 5.53 FTE (UTL); 0.40 FTE (HRHRC).

5 Excludes 0.93 FTE total activities of volunteers and class projects from the Kilgarlin Center for Preservation of the Cultural Record (UTL only).

5a Includes 3.25 FTE (UTL); 7.55 FTE (HRHRC); 0.75 FTE Center for American History (CAH).

5b Includes 8.98 FTE (UTL); 7.35 FTE (HRHRC).

5c Includes 6.43 FTE (UTL); 2.40 FTE (HRHRC); 0.60 FTE (CAH).

7 Includes $461,275 (UTL); $602,560 (HRHRC); $43,529 (CAH).

TEXAS A&M

All figures are as of 8/31/2007.

Includes the following libraries: Sterling C. Evans Library, Annex Library, Medical Sciences Library, Jack Williams Library (Galveston), Architecture Library, Cushing Memorial Library, West Campus Library, Policy Sciences and Economics Library, TAMU Qatar Library.

2, 4a-4c, 5s, 5c Reallocation of job duties.

TORONTO

All figures are as of 4/30/2007.

Commercial binding figures include Scarborough and Mississauga campuses.

1 There is no library wide Preservation Administrator at this time. Preservation staff report to the Department Head, Fisher Rare Book Library or to the Digital Services Librarian, Web Development, ITS.
5. Includes one FTE conservator at the Fisher Rare Book Library.

7-12. Expenditures as reported in Canadian dollars: (7) $799,712 (7a) $324,905 (7b) $474,807 (7c) 0 (8) $381,647 (8a) 0 (8b) $381,611 (8c) 0 (8d) 36 (8e) 0 (9) $53,564 (10) $12,256 (11) $1,247,179 (12) $11,800.

8b. Includes Scarborough and Mississauga campuses and affiliated libraries in the central system.

19. Includes Scarborough and Mississauga campuses and affiliated libraries in the central system. The total number of volumes commercially bound decreased significantly in 2006-07 as a result of a budget reallocation in the central library effective December 1, 2006.

VANDERBILT

7b. We discovered an error in our 2005-06 calculation for this question. It should be reduced from the $470,630 we reported to $435,770.

VIRGINIA

4-5, 7. The decrease in total number of staff engaged in preservation activities library-wide reflects the merging of two digitization units (Rare Materials Digitization Services and Digital Library Production Services) and our participation in external mass digitization partnerships.

WASHINGTON U.-ST. LOUIS

4. Figures are for the Central and Medical Libraries.

4a. Figures unavailable for Law Library since they don't have staff whose sole responsibility is preservation.

7. Figures reported for central and medical libraries; not available for Law Library.

WAYNE STATE

All figures are as of 4/30/2007.

WATERLOO

All figures are as of 4/30/2007.

WAYNE STATE

All figures are as of 9/30/2007.

WESTERN ONTARIO

All figures are as of 4/30/2007.

7. Excludes benefits.

7-12. Expenditures as reported in Canadian dollars: (7) $15,050 (7a) $11,400 (7b) $2,200 (7c) $1,450 (8) $134,848 (8a) $17,153 (8b) $117,695 (8c) 0 (8d) 0 (8e) 0 (9) $5,536 (10) 0 (11) $155,434 (12) 0.

20c. Aria from a published opera vocal-score.

WISCONSIN

8b. Excludes expenditures for enclosures paid to commercial binder, and therefore, differs from figure for contract binding (line 16) of 2006-2007 ARL Statistics.

8e. Includes expenditures for equipment repair/maintenance contracts, methylene blue testing, and film storage.

YORK

All figures are as of 04/31/2007.

7-12. Expenditures as reported in Canadian dollars: (7) $168,455 (7a) $5,779 (7b) $161,574 (7c) $1,102 (8) $157,603 (8a) $685 (8b) $156,918 (8c) UA/NA (8d) UA/NA (8e) UA/NA (9) $14,359 (10) UA/NA (11) $340,417 (12) UA/NA.
The Association of Research Libraries (ARL) represents the interests of 123 libraries that serve major North American research institutions. ARL operates as a forum for the exchange of ideas and as an agent for collective action to influence the forces affecting the ability of these libraries to meet the future needs of scholarship. The ARL Statistics and Measurement program is organized around identifying, collecting, analyzing, and distributing quantifiable information describing the characteristics of research libraries. The program offers publications and special member services, and collaborates with other national and international library statistics programs.

<table>
<thead>
<tr>
<th>Institution</th>
<th>Category</th>
<th>Full Name of Institution</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>S</td>
<td>University of Alabama</td>
<td>Tuscaloosa, Alabama</td>
</tr>
<tr>
<td>Alberta</td>
<td>C</td>
<td>University of Alberta</td>
<td>Edmonton, Alberta</td>
</tr>
<tr>
<td>Arizona</td>
<td>S</td>
<td>University of Arizona</td>
<td>Tucson, Arizona</td>
</tr>
<tr>
<td>Arizona State</td>
<td>S</td>
<td>Arizona State University</td>
<td>Tempe, Arizona</td>
</tr>
<tr>
<td>Auburn</td>
<td>S</td>
<td>Auburn University</td>
<td>Auburn, Alabama</td>
</tr>
<tr>
<td>Boston</td>
<td>P</td>
<td>Boston University</td>
<td>Boston, Massachusetts</td>
</tr>
<tr>
<td>Boston College</td>
<td>P</td>
<td>Boston College</td>
<td>Boston, Massachusetts</td>
</tr>
<tr>
<td>Brigham Young</td>
<td>P</td>
<td>Brigham Young University</td>
<td>Provo, Utah</td>
</tr>
<tr>
<td>British Columbia</td>
<td>C</td>
<td>University of British Columbia</td>
<td>Vancouver, British Columbia</td>
</tr>
<tr>
<td>Brown</td>
<td>P</td>
<td>Brown University</td>
<td>Providence, Rhode Island</td>
</tr>
<tr>
<td>Berkeley, California</td>
<td>S</td>
<td>University of California, Berkeley</td>
<td>California, Berkeley</td>
</tr>
<tr>
<td>California, Davis</td>
<td>S</td>
<td>University of California, Davis</td>
<td>Davis, California</td>
</tr>
<tr>
<td>California, Irvine</td>
<td>S</td>
<td>University of California, Irvine</td>
<td>Irvine, California</td>
</tr>
<tr>
<td>California, Los Angeles</td>
<td>S</td>
<td>University of California, Los Angeles</td>
<td>Los Angeles, California</td>
</tr>
<tr>
<td>California, Riverside</td>
<td>S</td>
<td>University of California, Riverside</td>
<td>Riverside, California</td>
</tr>
<tr>
<td>California, San Diego</td>
<td>S</td>
<td>University of California, San Diego</td>
<td>La Jolla, California</td>
</tr>
<tr>
<td>California, Santa Barbara</td>
<td>S</td>
<td>University of California, Santa Barbara</td>
<td>Santa Barbara, California</td>
</tr>
<tr>
<td>Case Western Reserve</td>
<td>P</td>
<td>Case Western Reserve University</td>
<td>Cleveland, Ohio</td>
</tr>
<tr>
<td>Chicago</td>
<td>P</td>
<td>University of Chicago</td>
<td>Chicago, Illinois</td>
</tr>
<tr>
<td>Cincinnati</td>
<td>S</td>
<td>University of Cincinnati</td>
<td>Cincinnati, Ohio</td>
</tr>
<tr>
<td>Colorado</td>
<td>S</td>
<td>University of Colorado</td>
<td>Boulder, Colorado</td>
</tr>
<tr>
<td>Colorado State</td>
<td>S</td>
<td>Colorado State University</td>
<td>Fort Collins, Colorado</td>
</tr>
<tr>
<td>Columbia</td>
<td>P</td>
<td>Columbia University</td>
<td>New York, New York</td>
</tr>
<tr>
<td>Connecticut</td>
<td>S</td>
<td>University of Connecticut</td>
<td>Storrs, Connecticut</td>
</tr>
<tr>
<td>Cornell</td>
<td>P</td>
<td>Cornell University</td>
<td>Ithaca, New York</td>
</tr>
<tr>
<td>Dartmouth</td>
<td>P</td>
<td>Dartmouth College</td>
<td>Hanover, New Hampshire</td>
</tr>
<tr>
<td>Delaware</td>
<td>S</td>
<td>University of Delaware</td>
<td>Newark, Delaware</td>
</tr>
<tr>
<td>Duke</td>
<td>P</td>
<td>Duke University</td>
<td>Durham, North Carolina</td>
</tr>
<tr>
<td>Emory</td>
<td>P</td>
<td>Emory University</td>
<td>Atlanta, Georgia</td>
</tr>
<tr>
<td>Florida</td>
<td>S</td>
<td>University of Florida</td>
<td>Gainesville, Florida</td>
</tr>
<tr>
<td>Florida State</td>
<td>S</td>
<td>Florida State University</td>
<td>Tallahassee, Florida</td>
</tr>
<tr>
<td>George Washington</td>
<td>P</td>
<td>George Washington University</td>
<td>Washington, DC</td>
</tr>
<tr>
<td>Georgetown</td>
<td>P</td>
<td>Georgetown University</td>
<td>Washington, DC</td>
</tr>
<tr>
<td>Georgia</td>
<td>S</td>
<td>University of Georgia</td>
<td>Athens, Georgia</td>
</tr>
<tr>
<td>Georgia Tech</td>
<td>S</td>
<td>Georgia Institute of Technology</td>
<td>Atlanta, Georgia</td>
</tr>
<tr>
<td>Guelph</td>
<td>C</td>
<td>University of Guelph</td>
<td>Guelph, Ontario</td>
</tr>
<tr>
<td>Harvard</td>
<td>P</td>
<td>Harvard University</td>
<td>Cambridge, Massachusetts</td>
</tr>
<tr>
<td>Hawaii</td>
<td>S</td>
<td>University of Hawaii</td>
<td>Honolulu, Hawaii</td>
</tr>
<tr>
<td>Houston</td>
<td>S</td>
<td>University of Houston</td>
<td>Houston, Texas</td>
</tr>
<tr>
<td>Howard</td>
<td>P</td>
<td>Howard University</td>
<td>Washington, DC</td>
</tr>
<tr>
<td>Illinois, Chicago</td>
<td>S</td>
<td>University of Illinois at Chicago</td>
<td>Chicago, Illinois</td>
</tr>
<tr>
<td>Illinois, Urbana</td>
<td>S</td>
<td>University of Illinois at Urbana</td>
<td>Urbana, Illinois</td>
</tr>
<tr>
<td>Indiana</td>
<td>S</td>
<td>Indiana University</td>
<td>Bloomington, Indiana</td>
</tr>
<tr>
<td>Iowa</td>
<td>S</td>
<td>University of Iowa</td>
<td>Iowa City, Iowa</td>
</tr>
<tr>
<td>Iowa State</td>
<td>S</td>
<td>Iowa State University</td>
<td>Ames, Iowa</td>
</tr>
<tr>
<td>Johns Hopkins</td>
<td>P</td>
<td>Johns Hopkins University</td>
<td>Baltimore, Maryland</td>
</tr>
<tr>
<td>Kansas</td>
<td>S</td>
<td>University of Kansas</td>
<td>Lawrence, Kansas</td>
</tr>
<tr>
<td>Institution</td>
<td>Category</td>
<td>Full Name of Institution</td>
<td>Location</td>
</tr>
<tr>
<td>-----------------------</td>
<td>----------</td>
<td>-------------------------------------------------------------------------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>Kent State</td>
<td>S</td>
<td>Kent State University</td>
<td>Kent, Ohio</td>
</tr>
<tr>
<td>Kentucky</td>
<td>S</td>
<td>University of Kentucky</td>
<td>Lexington, Kentucky</td>
</tr>
<tr>
<td>Laval</td>
<td>C</td>
<td>Laval University</td>
<td>Quebec, Quebec</td>
</tr>
<tr>
<td>Louisiana State</td>
<td>S</td>
<td>Louisiana State University</td>
<td>Baton Rouge, Louisiana</td>
</tr>
<tr>
<td>Louisville</td>
<td>S</td>
<td>University of Louisville</td>
<td>Louisville, Kentucky</td>
</tr>
<tr>
<td>McGill</td>
<td>C</td>
<td>McGill University</td>
<td>Montreal, Quebec</td>
</tr>
<tr>
<td>McMaster</td>
<td>C</td>
<td>McMaster University</td>
<td>Hamilton, Ontario</td>
</tr>
<tr>
<td>Manitoba</td>
<td>C</td>
<td>University of Manitoba</td>
<td>Winnipeg, Manitoba</td>
</tr>
<tr>
<td>Maryland</td>
<td>S</td>
<td>University of Maryland</td>
<td>College Park, Maryland</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>S</td>
<td>University of Massachusetts</td>
<td>Amherst, Massachusetts</td>
</tr>
<tr>
<td>MIT</td>
<td>P</td>
<td>Massachusetts Institute of Technology</td>
<td>Cambridge, Massachusetts</td>
</tr>
<tr>
<td>Miami</td>
<td>P</td>
<td>University of Miami</td>
<td>Coral Gables, Florida</td>
</tr>
<tr>
<td>Michigan</td>
<td>S</td>
<td>University of Michigan</td>
<td>Ann Arbor, Michigan</td>
</tr>
<tr>
<td>Michigan State</td>
<td>S</td>
<td>Michigan State University</td>
<td>East Lansing, Michigan</td>
</tr>
<tr>
<td>Minnesota</td>
<td>S</td>
<td>University of Minnesota</td>
<td>Minneapolis, Minnesota</td>
</tr>
<tr>
<td>Missouri</td>
<td>S</td>
<td>University of Missouri</td>
<td>Columbia, Missouri</td>
</tr>
<tr>
<td>Montreal</td>
<td>C</td>
<td>University of Montreal</td>
<td>Montreal, Quebec</td>
</tr>
<tr>
<td>Nebraska</td>
<td>S</td>
<td>University of Nebraska-Lincoln</td>
<td>Lincoln, Nebraska</td>
</tr>
<tr>
<td>New Mexico</td>
<td>S</td>
<td>University of New Mexico</td>
<td>Albuquerque, New Mexico</td>
</tr>
<tr>
<td>North Carolina</td>
<td>S</td>
<td>University of North Carolina</td>
<td>Chapel Hill, North Carolina</td>
</tr>
<tr>
<td>North Carolina State</td>
<td>S</td>
<td>North Carolina State University</td>
<td>Raleigh, North Carolina</td>
</tr>
<tr>
<td>Northwestern</td>
<td>P</td>
<td>Northwestern University</td>
<td>Evanston, Illinois</td>
</tr>
<tr>
<td>Notre Dame</td>
<td>S</td>
<td>University of Notre Dame</td>
<td>Notre Dame, Indiana</td>
</tr>
<tr>
<td>Ohio</td>
<td>S</td>
<td>Ohio University</td>
<td>Athens, Ohio</td>
</tr>
<tr>
<td>Ohio State</td>
<td>S</td>
<td>Ohio State University</td>
<td>Columbus, Ohio</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>S</td>
<td>University of Oklahoma</td>
<td>Stillwater, Oklahoma</td>
</tr>
<tr>
<td>Oklahoma State</td>
<td>S</td>
<td>Oklahoma State University</td>
<td>Eugene, Oregon</td>
</tr>
<tr>
<td>Oregon</td>
<td>S</td>
<td>University of Oregon</td>
<td>Philadelphia, Pennsylvania</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>P</td>
<td>University of Pennsylvania</td>
<td>University Park, Pennsylvania</td>
</tr>
<tr>
<td>Pennsylvania State</td>
<td>S</td>
<td>Pennsylvania State University</td>
<td>Pittsburgh, Pennsylvania</td>
</tr>
<tr>
<td>Pittsburgh</td>
<td>S</td>
<td>University of Pittsburgh</td>
<td>Princeton, New Jersey</td>
</tr>
<tr>
<td>Princeton</td>
<td>P</td>
<td>Princeton University</td>
<td>West Lafayette, Indiana</td>
</tr>
<tr>
<td>Purdue</td>
<td>S</td>
<td>Purdue University</td>
<td>Kingston, Ontario</td>
</tr>
<tr>
<td>Queen’s</td>
<td>C</td>
<td>Queen’s University</td>
<td>Houston, Texas</td>
</tr>
<tr>
<td>Rice</td>
<td>P</td>
<td>Rice University</td>
<td>Rochester, New York</td>
</tr>
<tr>
<td>Rochester</td>
<td>S</td>
<td>Rutgers University</td>
<td>New Brunswick, New Jersey</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>C</td>
<td>University of Saskatchewan</td>
<td>Saskatoon, Saskatchewan</td>
</tr>
<tr>
<td>South Carolina</td>
<td>S</td>
<td>University of South Carolina</td>
<td>Columbia, South Carolina</td>
</tr>
<tr>
<td>Southern California</td>
<td>P</td>
<td>University of Southern California</td>
<td>Los Angeles, California</td>
</tr>
<tr>
<td>Southern Illinois</td>
<td>S</td>
<td>Southern Illinois University</td>
<td>Carbondale, Illinois</td>
</tr>
<tr>
<td>SUNY-Albany</td>
<td>S</td>
<td>University at Albany, State University of New York</td>
<td>Albany, New York</td>
</tr>
<tr>
<td>SUNY-Buffalo</td>
<td>S</td>
<td>University at Buffalo, State University of New York</td>
<td>Buffalo, New York</td>
</tr>
<tr>
<td>SUNY-Stony Brook</td>
<td>S</td>
<td>State University of New York at Stony Brook</td>
<td>Stony Brook, New York</td>
</tr>
<tr>
<td>Syracuse</td>
<td>P</td>
<td>Syracuse University</td>
<td>Syracuse, New York</td>
</tr>
<tr>
<td>Temple</td>
<td>S</td>
<td>Temple University</td>
<td>Philadelphia, Pennsylvania</td>
</tr>
<tr>
<td>Tennessee</td>
<td>S</td>
<td>University of Tennessee</td>
<td>Knoxville, Tennessee</td>
</tr>
<tr>
<td>Texas</td>
<td>S</td>
<td>University of Texas</td>
<td>Austin, Texas</td>
</tr>
<tr>
<td>Texas A&amp;M</td>
<td>S</td>
<td>Texas A&amp;M University</td>
<td>College Station, Texas</td>
</tr>
<tr>
<td>Texas Tech</td>
<td>S</td>
<td>Texas Tech University</td>
<td>Lubbock, Texas</td>
</tr>
<tr>
<td>Toronto</td>
<td>C</td>
<td>University of Toronto</td>
<td>Toronto, Ontario</td>
</tr>
<tr>
<td>Tulane</td>
<td>P</td>
<td>Tulane University</td>
<td>New Orleans, Louisiana</td>
</tr>
<tr>
<td>Utah</td>
<td>S</td>
<td>University of Utah</td>
<td>Salt Lake City, Utah</td>
</tr>
<tr>
<td>Vanderbilt</td>
<td>P</td>
<td>Vanderbilt University</td>
<td>Nashville, Tennessee</td>
</tr>
<tr>
<td>Virginia</td>
<td>S</td>
<td>University of Virginia</td>
<td>Charlottesville, Virginia</td>
</tr>
<tr>
<td>Virginia Tech</td>
<td>S</td>
<td>Virginia Polytechnic Institute &amp; State University</td>
<td>Blacksburg, Virginia</td>
</tr>
<tr>
<td>Washington</td>
<td>S</td>
<td>University of Washington</td>
<td>Seattle, Washington</td>
</tr>
<tr>
<td>Washington State</td>
<td>S</td>
<td>Washington State University</td>
<td>Pullman, Washington</td>
</tr>
<tr>
<td>Institution</td>
<td>Category</td>
<td>Full Name of Institution</td>
<td>Location</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------</td>
<td>-------------------------------------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td>Washington U.-St. Louis</td>
<td>P</td>
<td>Washington University</td>
<td>St. Louis, Missouri</td>
</tr>
<tr>
<td>Waterloo</td>
<td>C</td>
<td>University of Waterloo</td>
<td>Waterloo, Ontario</td>
</tr>
<tr>
<td>Wayne State</td>
<td>S</td>
<td>Wayne State University</td>
<td>Detroit, Michigan</td>
</tr>
<tr>
<td>Western Ontario</td>
<td>C</td>
<td>University of Western Ontario</td>
<td>London, Ontario</td>
</tr>
<tr>
<td>Wisconsin</td>
<td>S</td>
<td>University of Wisconsin</td>
<td>Madison, Wisconsin</td>
</tr>
<tr>
<td>Yale</td>
<td>P</td>
<td>Yale University</td>
<td>New Haven, Connecticut</td>
</tr>
<tr>
<td>York</td>
<td>C</td>
<td>York University</td>
<td>North York, Ontario</td>
</tr>
<tr>
<td>Boston Public Library</td>
<td>N</td>
<td>Boston Public Library</td>
<td>Boston, Massachusetts</td>
</tr>
<tr>
<td>Library of Congress</td>
<td>N</td>
<td>Library of Congress</td>
<td>Washington, DC</td>
</tr>
<tr>
<td>Natl. Agricultural Lib.</td>
<td>N</td>
<td>National Agricultural Library</td>
<td>Beltsville, Maryland</td>
</tr>
<tr>
<td>Lib. &amp; Archives of Canada</td>
<td>X</td>
<td>Library and Archives of Canada</td>
<td>Ottawa, Ontario</td>
</tr>
<tr>
<td>Natl. Library of Medicine</td>
<td>N</td>
<td>National Library of Medicine</td>
<td>Bethesda, Maryland</td>
</tr>
<tr>
<td>New York Public Library</td>
<td>N</td>
<td>New York Public Library</td>
<td>New York, New York</td>
</tr>
<tr>
<td>New York State Library</td>
<td>N</td>
<td>New York State Library</td>
<td>Albany, New York</td>
</tr>
<tr>
<td>Smithsonian Institution</td>
<td>N</td>
<td>Smithsonian Institution</td>
<td>Washington, DC</td>
</tr>
</tbody>
</table>

S: US public university
P: US private university
C: Canadian university
N: US nonuniversity
X: Canadian nonuniversity