ARL STATISTICS, 1988-89
ARL STATISTICS
1988-89

A COMPILATION OF STATISTICS
FROM THE ONE HUNDRED AND NINETEEN MEMBERS OF THE
ASSOCIATION OF RESEARCH LIBRARIES

Compiled by
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and
Maira Liriano

ASSOCIATION OF RESEARCH LIBRARIES
WASHINGTON, D.C.
1990
The ARL Statistics is published annually by
the Association of Research Libraries,
1527 New Hampshire Avenue, N.W., Washington, D.C. 20036

Price: ARL Members $20.00/year
       Nonmembers $60.00/year

ARL statistical data are also available from the
Association in machine-readable form

Association of Research Libraries.
ARL statistics,
v. 29 cm.
Began with 1974/75 issue.
Continues: Academic library statistics, ISSN 0571-0519.
Key title: ARL statistics, ISSN 0147-2135

Z675.U5A78 027.773 77-647280 MARC-8
Library of Congress 77

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Printed in the United States of America
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Monograph and Serial Costs in ARL Libraries

1985-86 - 1988-89

- Serials Unit Price (+44%)
- Serials Expenditures (+43%)
- Monograph Unit Price (+38%)
- Monograph Expenditures (+11%)
- No. of Serials Titles Purchased (0%)
- No. of Mon. Vols. Purchased (-19%)

Fiscal Year
INTRODUCTION

The 1988-89 *ARL Statistics* presents data for the U.S. and Canadian libraries that were members of the Association of Research Libraries during the 1988-89 fiscal year. The ARL membership consists of 107 university libraries and 12 public or private, independent research libraries. 106 university libraries and all of the non-university libraries reported their data; Northwestern University, for the first time since 1923, failed to report.¹

The economic trends of the past few years continued to take a toll on research libraries during 1988-89. The graph on the facing page illustrates some of these trends. Among academic libraries that reported expenditures for monographs and current serials, and numbers of items purchased in each category, the median unit price of serial subscriptions increased by 10%. (These increases followed 12% increases for both monographs and serials in the preceding year, 1986-87–1987-88.) Total expenditures for monographs rose about 9% and for serials about 8% As a result, the numbers of monographs and serials acquired in 1988-89 were approximately the same as in the preceding year.

The graph shows the percentage changes in these categories of data since 1985-86. Expenditures for serials have almost exactly kept pace with rising serial prices, so that the typical academic research library today has the same number of subscriptions as it did in 1985-86. But it is paying 43% more for those subscriptions. If these kinds of increases continue, by 1993 the typical library will be paying twice as much for the same number of serials that it acquired in 1986. Clearly, research libraries have been tending to protect their serials at the expense of monographs. Monograph prices have been tending to protect their serials at the expense of monographs. Monograph prices have been rising at rates somewhat below those of serials (except for the past year), but the money available for monographs has fallen and risen, depending on the total funds available for library materials. While the median number of monographs purchased in 1988-89 was about the same as in the previous year, overall the typical research library bought only about 80% as many monographs as in 1986.

A small sign of hope, as the graph displays, was the 1986 leveling off in the decline in numbers of monographs purchased. This change was due to a median 9% increase in total expenditures—the catch-all category in ARL libraries for everything but salaries, wages, materials, and binding—have been the fastest-rising component of expenditures. In 1989 this category was up by 12%. The increase in salaries and wages, the largest category of expenditures, was under 7%. Total library expenditures, as usual, increased 7 to 8%. Because of these differing rates of increase, salaries and wages continued to decline slightly as a percentage of total library expenditures.

¹ Northwestern has issued the following statement: "Data from Northwestern University Library are unavailable. In light of a pending U.S. Department of Justice investigation of a number of colleges and universities concerning alleged collusion in determining tuition and financial aid for students, Northwestern University Library has been advised by legal counsel to delay submission of survey data at this time."
With the numbers of monographs and serial acquisitions more or less constant from 1988 to 1989, one would expect no increase in the number of gross volumes added to the collections. And indeed the median library added (i.e., cataloged) approximately the same number of volumes in 1989 as in 1988. Similarly, there was almost no change in the number of current serials received (including purchased and unpurchased serials).

In regard to personnel, 62 of the 106 university libraries (59%) reported more professional staff in 1989 than in 1988, while 59 (56%) noted more student assistants. 59 (56%) also reported fewer non-professional staff. And 65 (61%) reported an increase in total staff.

The preceding statistics only hint at the variation among ARL members. Those using the ARL Statistics to compare individual libraries should consult the "Footnotes" and the symbols indicated in the "ARL Library Data Tables." Although definitions used in the Statistics aim at consistency, differing reporting practices do exist among member libraries. To aid comparability, expenditures of Canadian libraries are expressed in U.S. dollars in the ARL Statistics. The exchange rate used for 1988-89 is 1.2026 Canadian dollars to one U.S. dollar.\(^2\)

The rank order tables presented in this publication are quantitative, are not indicative of performance and outcomes, and therefore 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.

Kendon Stubbs
University of Virginia Library
January 17, 1990

\(^2\) The rate used is the annual average monthly noon exchange rates published in the Bank of Canada Review for the period July 1988 through June 1989. Expenditures reported in Canadian dollars are given in the "Footnotes" to the ARL Statistics.
ARL LIBRARY DATA TABLES
### ARL Library Data Table

#### Collections

<table>
<thead>
<tr>
<th>Institution</th>
<th>Libr No.</th>
<th>Volumes In Library</th>
<th>Volumes Added (Gross)</th>
<th>Volumes Added (Net)</th>
<th>Volumes Monographs Purchased</th>
<th>Current Serials Purchased</th>
<th>Current Serials Not Purchased</th>
<th>Current Serials Total Units in Library</th>
<th>Total Microfilm Units In Library</th>
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<td>83,002</td>
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<td>U/A</td>
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<td>20,453</td>
<td>17,311</td>
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<td>29,155</td>
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<td>57,274</td>
<td>11,603</td>
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<td>16,540</td>
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<td>b+</td>
<td>8</td>
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<td>U/A</td>
<td>U/A</td>
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<td>BLM+</td>
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<td>U/A</td>
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<td>8,417</td>
<td>2,867</td>
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</table>

**Notes:**
- B - Includes Branch Campuses
- L - Includes Law Library
- G - Government Documents Not Included in Serials Count
- M - Includes Medical Library
- 11 - See Footnotes
- b - Bibliographic Count
- N/A - Not Applicable
- U/A - Unavailable
# ARL Library Data Table

<table>
<thead>
<tr>
<th>Libr No</th>
<th>Total Loaned</th>
<th>Total Borrowed</th>
<th>Prof. Staff</th>
<th>Non. Prof. Staff</th>
<th>Student Assts.</th>
<th>Total Staff</th>
<th>Monographs</th>
<th>Current Serials</th>
<th>Other Library Materials</th>
<th>Misc. Materials Expend.</th>
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N/A - Not Applicable  
U/A - Unavailable
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<th>Salaries &amp; Wages Prof.</th>
<th>Salaries &amp; Wages Non-Prof.</th>
<th>Salaries Student Assistants</th>
<th>Total Salaries &amp; Wages</th>
<th>Other Operating Expend.</th>
<th>Total Library Expend.</th>
<th>INSTITUTION</th>
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B - Includes Branch Campuses  
L - Includes Law Library  
G - Government Documents Not Included in Serials Count  
+ - See Footnotes  
M - Includes Medical Library  
N/A - Not Applicable  
U/A - Unavailable
## ARL LIBRARY DATA TABLE

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B = Includes Branch Campuses  
G = Government Documents Not Included in Serials Count  
L = Includes Law Library  
M = Includes Medical Library  
N/A = Not Applicable  
b = Bibliographic Count  
U/A = Unavailable  
+ = See Footnotes
# ARL LIBRARY DATA TABLE

<table>
<thead>
<tr>
<th>Libr No</th>
<th>Total Loaned</th>
<th>Total Borrowed</th>
<th>Prof. Staff</th>
<th>Mon. Prof. Staff</th>
<th>Student Assts.</th>
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<th>Monographs</th>
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N/A - Not Applicable | U/A - Unavailable
# ARL Library Data Table

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<th>Total Operating Expend.</th>
<th>Total Library Expend.</th>
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N/A - Not Applicable  
U/A - Unavailable
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<th>Volumes Added (Net)</th>
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| ORANGE STERN                | GLM+ 65  | U/A                   | U/A                 | U/A                   | U/A                       | U/A                         | U/A                    | U/A                             |
| NOTRE DAME                  | GL+ 66   | 1,929,116             | 76,728              | 6,700                 | 57,250                    | U/A                         | 1                      | 16,602                          | 946                            |
| OHIO STATE                  | bLM+ 67  | 4,338,474             | 99,622              | 84,208                | 64,958                    | 23,509                      | 3,205                   | 24,050                          |                               |
| OKLAHOMA                    | LM+ 68   | 2,261,724             | 39,348              | 31,467                | 21,423                    | 16,887                      | 7                      | 17,888                          |                               |
| OKLAHOMA STATE              | GBM+ 69  | 1,524,543             | 47,767              | 40,840                | 11,446                    | 10,888                      | 1,088                   | 11,976                          | 842,934                       |
| OREGON                      | GL+ 70   | 1,844,650             | 41,937              | 40,801                | 27,533                    | 16,015                      | 5,009                   | 21,024                          | 1,761,082                     |
| PENNSYLVANIA                | LM+ 71   | 3,576,227             | 86,296              | 76,486                | 42,576                    | U/A                         | U/A                    | 30,419                          | 2,368,423                     |
| PENNSYLVANIA STATE          | + 72     | 3,043,837             | 85,650              | 79,223                | U/A                       | U/A                         | U/A                    | 30,345                          | 3,057,959                     |
| PITTSGURGH                  | M+ 73    | 2,783,211             | 91,980              | 76,796                | U/A                       | U/A                         | U/A                    | 2,9                             | 836,744                       |
| PRINCETON                   | + 74     | 4,179,904             | 110,908             | 105,077               | 75,583                    | U/A                         | U/A                    | 2,419                           | 53,488,236                    |
| PROTEUS                     | DG+ 75   | 1,867,691             | 60,029              | 53,626                | 16,098                    | 18,032                      | 3,010                   | 2,048                           | 817,608                       |
| QUEENS                      | bGL+ 76  | 1,748,888             | 66,848              | 36,728                | 31,771                    | U/A                         | U/A                    | 15,771                          | 1,757,181                     |
| RICE                        | bG+ 77   | 1,403,820             | 36,127              | 35,497                | U/A                       | 11,392                      | 761                     | 12,153                          | 1,911,998                     |
| ROCHESTER                   | BM+ 78   | 2,639,518             | 53,898              | 47,090                | 22,065                    | 12,206                      | 1,753                   | 13,959                          | 2,397,217                     |
| RUTGERS                     | GBL+ 79  | 3,129,861             | 113,110             | 92,193                | 67,723                    | U/A                         | U/A                    | 28,433                          | 3,536,150                     |
| SASKATCHEWAN                | GLM+ 80  | 1,372,707             | 52,592              | 15,161                | 20,826                    | 9,903                       | 845                     | 10,748                          | 2,008,684                     |

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U/A - Unavailable
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<tr>
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<th>Total Loaned</th>
<th>Prof. Staff</th>
<th>Non. Prof. Staff</th>
<th>Student Assts.</th>
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<th>Monographs</th>
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N/A - Not Applicable  U/A - Unavailable
### ARL LIBRARY DATA TABLE

#### EXPENDITURES

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B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
U/A - Unavailable

+ - See Footnotes
# ARL Library Data Table

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N/A - Not Applicable  
U/A - Unavailable
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<th>Salaries &amp; Wages Non-Prof.</th>
<th>Salaries &amp; Wages Student Assistants</th>
<th>Total Salaries &amp; Wages</th>
<th>Operating Expend.</th>
<th>Total Library Expend.</th>
<th>INSTITUTION</th>
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<td>10,069,852</td>
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<td>2,606,754</td>
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<td>U/A</td>
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<td>U/A</td>
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<td>U/A</td>
<td>N/A</td>
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<td>103,559,635</td>
<td>264,202,000</td>
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<td>72,436</td>
<td>697,233</td>
<td>371,017</td>
<td>135,737</td>
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<td>6,904,189</td>
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<td>6,703,927</td>
<td>8,309,583</td>
<td>362,911</td>
<td>15,376,421</td>
<td>12,114,931</td>
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<td>U/A</td>
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<td>U/A</td>
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<td>U/A</td>
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N/A - Not Applicable  U/A - Unavailable
### ARL Library Data Table

#### Totals

**Collections**

<table>
<thead>
<tr>
<th>Volumes In Library</th>
<th>Volumes Added (Gross)</th>
<th>Volumes Added (Net)</th>
<th>Monographs Purchased</th>
<th>Current Serials Purchased</th>
<th>Current Serials Not Purchased</th>
<th>Current Serials Total</th>
<th>Total Microform Units in Library</th>
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<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
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</tbody>
</table>

**University Median**

| 2,157,032 | 61,441 | 53,059 | 27,615 | 16,028 | 3,147 | 20,688 | 2,414,426 |

**University High**

| 11,781,270 | 336,649 | 239,291 | 123,418 | 47,209 | 32,006 | 103,944 | 5,473,071 |

**University Low**

| 1,182,764 | 33,112 | 15,161 | 5,652 | 8,154 | 1 | 9,103 | 188,660 |

**Totals - University Libraries**

| 294,754,582 | 8,491,734 | 7,058,673 | 2,733,033 | 1,186,972 | 338,663 | 2,931,318 | 259,290,523 |

**Totals - Non-University Libraries**

| 49,482,982 | 965,682 | 839,829 | 623,739 | 126,949 | 66,874 | 383,836 | 27,210,857 |

**Grand Totals - All ARL Libraries**

| 344,237,564 | 9,457,556 | 7,889,502 | 3,356,772 | 1,315,921 | 405,537 | 3,414,838 | 286,501,380 |
## ARL Library Data Table

### Totals

<table>
<thead>
<tr>
<th>INTERLIBRARY LOANS</th>
<th>PERSONNEL (FTE)</th>
<th>EXPENDITURES</th>
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</thead>
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<tr>
<td>Total Loaned</td>
<td>Total Borrowed</td>
<td>Prof. Staff</td>
</tr>
<tr>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
</tbody>
</table>

**University Median**

- 19,694
- 8,548
- 72
- 142
- 64
- 271
- 1,106,073
- 2,092,401
- 106,361
- 51,848

**University High**

- 168,755
- 175,750
- 336
- 590
- 314
- 1,065
- 4,740,865
- 4,369,333
- 1,373,143
- 1,515,300

**University Low**

- 7,241
- 869
- 30
- 46
- 10
- 122
- 438,844
- 1,027,994
- 5,663
- 0

**Totals - University Libraries**

- 2,700,084
- 1,151,814
- 8,861
- 17,533
- 7,700
- 34,114
- 145,961,180
- 238,656,511
- 15,048,821
- 10,436,029

**Totals - Non-University Libraries**

- 1,061,035
- 39,664
- 3,816
- 3,620
- 202
- 7,436
- 11,974,370
- 15,331,625
- 4,658,524
- 829,117

**Grand Totals - All ARL Libraries**

- 3,761,119
- 1,191,488
- 12,697
- 21,153
- 7,902
- 41,550
- 157,935,550
- 253,988,136
- 19,707,345
- 11,265,146

30
### ARL Library Data Table

#### Totals

<table>
<thead>
<tr>
<th></th>
<th>Contract Binding</th>
<th>Salaries &amp; Wages</th>
<th>Salaries &amp; Wages</th>
<th>Salaries &amp; Wages</th>
<th>Total Salaries &amp; Wages</th>
<th>Other Operating Expend.</th>
<th>Total Library Expend.</th>
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<tr>
<td><strong>Total Library Materials</strong></td>
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<td>20</td>
<td>21</td>
<td>22</td>
<td>24</td>
<td>25</td>
<td>26</td>
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<td>155,902</td>
<td>2,330,258</td>
<td>2,444,423</td>
<td>521,100</td>
<td>5,278,104</td>
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<td>846,442</td>
<td>11,155,810</td>
<td>10,517,661</td>
<td>4,703,230</td>
<td>22,694,586</td>
<td>6,795,569</td>
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<tr>
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<td>1,123,162</td>
<td>536,066</td>
<td>105,991</td>
<td>1,892,466</td>
<td>353,226</td>
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#### Totals - University Libraries

<table>
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<tr>
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<th>Salaries &amp; Wages</th>
<th>Salaries &amp; Wages</th>
<th>Salaries &amp; Wages</th>
<th>Total Salaries &amp; Wages</th>
<th>Other Operating Expend.</th>
<th>Total Library Expend.</th>
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<tr>
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<td>275,597,815</td>
<td>288,540,970</td>
<td>67,041,237</td>
<td>663,377,285</td>
<td>170,649,989</td>
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#### Totals - Non-University Libraries

<table>
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<tr>
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<th>Salaries &amp; Wages</th>
<th>Salaries &amp; Wages</th>
<th>Total Salaries &amp; Wages</th>
<th>Other Operating Expend.</th>
<th>Total Library Expend.</th>
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<td><strong>TOTALS</strong></td>
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<td>17,916,204</td>
<td>14,694,139</td>
<td>1,659,705</td>
<td>237,654,655</td>
<td>155,720,244</td>
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</table>

#### Grand Totals - All ARL Libraries

<table>
<thead>
<tr>
<th></th>
<th>Contract Binding</th>
<th>Salaries &amp; Wages</th>
<th>Salaries &amp; Wages</th>
<th>Salaries &amp; Wages</th>
<th>Total Salaries &amp; Wages</th>
<th>Other Operating Expend.</th>
<th>Total Library Expend.</th>
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</thead>
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<tr>
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<td>22,712,758</td>
<td>293,514,019</td>
<td>303,235,109</td>
<td>68,700,942</td>
<td>901,031,940</td>
<td>326,370,233</td>
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ANALYSIS OF SELECTED VARIABLES OF UNIVERSITY LIBRARIES

The percentages and ratios below are intended to summarize the basic data in the ARL Library Data Tables. The high, median, and low figures indicate the range as well as the midpoint for ARL's 107 university library members.

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<th>High</th>
<th>Median</th>
<th>Low</th>
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<td>37</td>
<td>26</td>
<td>19</td>
</tr>
<tr>
<td>2. Nonprofessional Staff as percent of Total Staff</td>
<td>72</td>
<td>51</td>
<td>14</td>
</tr>
<tr>
<td>3. Student Assistant Staff as percent of Total Staff</td>
<td>59</td>
<td>22</td>
<td>4</td>
</tr>
<tr>
<td>4. Ratio of Professional Staff to Non-professional Staff (excluding student assistants)</td>
<td>1.9:1</td>
<td>0.5:1</td>
<td>0.3:1</td>
</tr>
<tr>
<td>5. Ratio of Items Loaned to Items Borrowed</td>
<td>14.2:1</td>
<td>2.1:1</td>
<td>0.6:1</td>
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<tr>
<td>6. Serials Expenditures as percent of Materials Expenditures</td>
<td>75</td>
<td>59</td>
<td>38</td>
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<tr>
<td>7. Materials Expenditures as percent of Total Operating Expenditures</td>
<td>48</td>
<td>34</td>
<td>22</td>
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<tr>
<td>8. Contract Binding as percent of Total Operating Expenditures</td>
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<td>1.5</td>
<td>0.6</td>
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<tr>
<td>9. Salary and Wage Expenditures as percent of Total Operating Expenditures</td>
<td>67</td>
<td>51</td>
<td>43</td>
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<tr>
<td>10. Other Operating Expenditures as percent of Total Operating Expenditures</td>
<td>24</td>
<td>13</td>
<td>4</td>
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<tr>
<td>11. Unit cost of monographs (per volume)</td>
<td>77.64</td>
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<td>18.59</td>
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<tr>
<td>12. Unit cost of serials (per title)</td>
<td>190.18</td>
<td>128.22</td>
<td>71.28</td>
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</table>

Median figures are useful indicators when there is wide dispersion within a distribution. Because the mean represents a "balance point," a few very high or low scores may sometimes pull the mean away from the actual point at which values cluster. Medians, on the other hand, are a measure of central tendency, focusing on the midpoint in a distribution, and are thus preferable for describing ARL libraries.
### Ph.D., Faculty, and Enrollment Statistics*

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>Ph.D.'s Awarded</th>
<th>Ph.D. Fields</th>
<th>Faculty</th>
<th>Total Full-time**</th>
<th>Total FTE</th>
<th>Graduate Full-time</th>
<th>Graduate FTE</th>
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<tr>
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<td>85</td>
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<td>760</td>
<td>15,766</td>
<td>2,744</td>
<td>1,781</td>
<td>1,387</td>
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<td>4,186</td>
<td>2,818</td>
<td>1,025</td>
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* These figures were reported on ARL questionnaires and have not been verified with the Center for Statistics
** Includes both undergraduate and graduate students.
U/A - Unavailable
+ - See footnotes
## Ph.D., Faculty, and Enrollment Statistics

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* These figures were reported on ARL questionnaires and have not been verified with the Center for Statistics

** Includes both undergraduate and graduate students.

U/A - Unavailable
+ - See footnotes
### Ph.D., Faculty, and Enrollment Statistics

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* These figures were reported on ARL questionnaires and have not been verified with the Center for Statistics

** Includes both undergraduate and graduate students.

U/A - Unavailable

+ - See footnotes
The table below presents the rank for each university library in each of the seventeen categories for which rank order tables are prepared. As a further indication of the relative position of each institution, note that, in the individual rank order tables on the following pages, "group codes" are used. This is done because, in a number of cases, there is a relatively insignificant difference between two institutions which are nevertheless given two different rankings. The "coarser" ranking provided by clustering institutions into groups (based upon ranges) more realistically describes a library's relative standing.

The table numbers in the chart below refer to the following categories:

Table 1 - Volumes in Library (106)  
Table 2 - Volumes Added (Gross) (106)  
Table 3 - Current Serials (Total) (106)  
Table 4 - Microform Holdings (Total) (106)  
Table 5 - Materials Expenditures (106)  
Table 6 - Salaries & Wages Expenditures (106)  
Table 7 - Other Operating Expenditures (106)  
Table 8 - Total Operating Expenditures (106)  
Table 9 - Monographs Purchased (Volumes) (79)  
Table 10 - Expenditures For Monographs (103)  
Table 11 - Serials Purchased (Titles) (66)  
Table 12 - Expenditures for Serials (105)  
Table 13 - Total Items Loaned (106)  
Table 14 - Total Items Borrowed (106)  
Table 15 - Professional Staff (FTE) (106)  
Table 16 - Nonprofessional Staff (FTE) (106)  
Table 17 - Total Staff (FTE) (106)

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RANK ORDER TABLES OF UNIVERSITY LIBRARIES
**RANK ORDER TABLE 1: VOLUMES IN LIBRARY**

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

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*U/A - Unavailable*
The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:
1- 250,000 and over
2- 220,000-249,999
3- 190,000-219,999
4- 160,000-189,999
5- 130,000-159,999

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U/A - Unavailable
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1- 90,000 and over  5- 40,000-49,999
2- 80,000-89,999    6- 30,000-39,999
3- 70,000-79,999    7- 20,000-29,999
4- 60,000-69,999    9- 10,000-19,999
5- 50,000-59,999    10-  under 10,000

U/A - Unavailable  + - Includes government document serials
### RANK ORDER TABLE 4: MICROFORM HOLDINGS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

#### Group Ranges (in thousands) are:
- 1-4,000 and over
- 5-2,000-4,999
- 6-1,500-1,999
- 7-1,000-1,499
- 8-under 1,000

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**U/A - Unavailable**
# Rank Order Table 5: Materials Expenditures

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

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**Northwestern**

U/A - Unavailable
## RANK ORDER TABLE 6: SALARIES AND WAGES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

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U/A - Unavailable
The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

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U/A - Unavailable
### Rank Order Table 9: Monographs Purchased (Volumes)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

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U/A - Unavailable
## Rank Order Table 10: Expenditures for Monographs

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

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U/A - Unavailable  + - Also includes expenditures for other library materials
## RANK ORDER TABLE 11: SERIALS PURCHASED (TITLES)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:
- 1- 50,000 and over
- 2- 40,000-49,999
- 3- 30,000-39,999
- 4- 20,000-29,999
- 5- 10,000-19,999
- 6- under 10,000

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U/A - Unavailable
### RANK ORDER TABLE 12: EXPENDITURES FOR SERIALS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

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RANK ORDER TABLE 13: TOTAL ITEMS LOANED

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

- 1- 55,000 and over
- 7 - 25,000-29,999
- 2 - 50,000-54,999
- 8 - 20,000-24,999
- 3 - 45,000-49,999
- 9 - 15,000-19,999
- 4 - 40,000-44,999
- 10 - 10,000-14,999
- 5 - 35,000-39,999
- 11 - 5,000-9,999
- 6 - 30,000-34,999
- 12 - under 5,000

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U/A - Unavailable
### RANK ORDER TABLE 14: TOTAL ITEMS BORROWED

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:
- 1- 22,000 and over
- 2- 20,000-21,999
- 3- 18,000-19,999
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U/A - Unavailable
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RANK ORDER TABLE 16: NONPROFESSIONAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

- 1- 450 and over
- 2- 400-449
- 2- 350-399
- 4- 300-349
- 5- 250-299
- 6- 200-249
- 7- 150-199
- 8- 100-149
- 9- 50-99
- 10- under 50

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U/A - Unavailable
## RANK ORDER TABLE 17: TOTAL STAFF

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

- 1-650 and over
- 2-600-649
- 3-550-599
- 4-500-549
- 5-450-499
- 6-400-449
- 7-350-399
- 8-300-349
- 9-250-299
- 10-200-249
- 11-150-199
- 12-100-149

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U/A - Unavailable
ARL STATISTICS, 1988-89

Instructions for Completing the Questionnaire


2. The questionnaire assumes a fiscal year ending June 30, 1989. If your fiscal year is different, please provide a footnote on p. 4 of the questionnaire.

3. Please do not use decimals. All figures should be rounded to the nearest whole number.

4. Please do not leave any lines blank. If the appropriate answer is zero or none, use 0. If an exact figure is unavailable, use U/A. If a question is not applicable to your library, use N/A.

5. In a university that includes 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 in its Integrated Postsecondary Education Data System (IPEDS) survey described a branch campus as one "located in a community different from that of its parent institution ... beyond a reasonable commuting distance from the main campus ... The educational activities at the location must be organized on a relatively permanent basis ... and include course offerings for one or more complete college-level programs of at least one full year.") If figures for libraries located on branch campuses are reported, please provide an explanatory footnote on p. 4 of the questionnaire.

6. A branch library is defined as an auxiliary library service outlet with quarters separate from the central library of a system, 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.

7. Questions 1-6. Collections. Use the ANSI Z39.7-1983 definition for volume as follows:

   a physical unit of any printed, typewritten, handwritten, mimeographed, or processed work, contained in one binding or portfolio, hardbound or paperbound, which has been cataloged, classified, and made ready for use.

   Include duplicates and bound volumes of periodicals. Exclude microforms, maps, nonprint materials, and uncataloged items. Exclude government document volumes unless they are cataloged, classified, and shelved as part of the general collection. (Data on documents holdings are requested in the Supplementary Statistics questionnaire.) If any of these items cannot be excluded, please provide an explanatory footnote on p. 4 of the questionnaire. For purposes of this questionnaire, unclassified bound serials that are arranged in alphabetical order are considered classified.

8. Question 2. Include only volumes cataloged, classified, and made ready for use.

9. Question 6. Report number of volumes purchased. Include all volumes for which an expenditure was made during 1988-89, including volumes paid for in advance but not received during the fiscal year. Include monographs in series and continuations. If only number of titles purchased can be
reported, please report the data and provide an explanatory footnote on p. 4 of the questionnaire.

Note: This question is concerned with volumes purchased rather than volumes received or cataloged. Question 15 requests the expenditure for the volumes counted here.

10. Questions 7-9. Serials. Include duplicate subscriptions and only those government document serials that are cataloged, classified, and shelved as part of the general collection; do not include government documents serials that are housed in a separate government documents collection. (Data on government documents serials is requested in the Supplemental Statistics questionnaire.) Exclude monographic and publishers' series. A serial is

   a publication issued in successive parts, usually at regular intervals, and as a rule, intended to be continued indefinitely. Serials include periodicals, newspapers, annuals (reports, yearbooks, etc.), memoirs, proceedings, and transactions of societies.

11. Question 8. If separate numbers of nonpurchased and purchased serials are not available, report only the total number of current serials received on line 9, and report U/A for lines 7 and 8.

12. Question 10. Microforms. Include number of reels of microfilm, number of microcards, and number of microprint and microfiche sheets. Exclude government document microforms. (Data on government documents microforms is requested in the Supplemental Statistics questionnaire.)

13. Questions 11-14. Personnel. Report the number of staff in filled positions, or positions which are only temporarily vacant. Include cost recovery positions and staff hired for special projects and grants, but provide an explanatory footnote indicating the number of such staff. If such staff cannot be included, provide a footnote on p. 4 of the questionnaire. 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 whole numbers.

14. Question 11. Since the criteria for determining professional status vary among libraries, there is no attempt to define the term "professional." Each library should report those staff members it considers professional, including, when appropriate, staff who are not librarians in the strict sense of the term, such as computer experts, systems analysts, budget officers, etc.

15. Questions 15-26. Expenditures. Report all expenditures of funds that come to the library from the regular institutional budget and from other sources, such as research grants, special projects, gifts and endowments, and fees for service. Canadian libraries should report expenditures in both Canadian and U.S. dollars. To determine figures in U.S. dollars, divide Canadian dollar amounts by 1.2026, the average monthly noon exchange rate published in the Bank of Canada Review for the period July 1988-June 1989. Please round figures to the nearest dollar.

16. Question 15. Include here expenditures for volumes reported on line 6.


18. Question 17. Include all materials except monographs and current serials, e.g. microforms, backfiles of serials, charts and maps, audiovisual materials, manuscripts, electronic media, etc. If expenditures for these materials are included in lines 15 and/or 16 and cannot be disaggregated, please report U/A and provide a footnote on page 4.

19. Question 18. Include any other materials funds expenditures not included in questions 15-17, e.g., expenditures for bibliographic utilities, literature searching, security devices, memberships for the
purposes of publications, etc. Please list categories, with amounts, in a footnote on p. 4 of the
questionnaire. Note: If your library does not use materials funds for non-materials expenditures-
i.e., these expenditures are included in Other Operating Expenditures--report 0, not U/A, on line
18.

20. Question 20. Include only contract expenditures. If all binding is done in-house, state this fact
and give in-house expenditures in a footnote on p. 4 of the questionnaire; do not include personnel
expenditures.

separated, enter U/A on lines 21 and 22 and enter total staff on line 24.

22. Questions 23-24. Report 100% of student wages. Include federal and local funds for work study
students, regardless of budgetary source of funds.


25. Questions 29-30. Ph.D. Degrees. Please note that only the number of Ph.D. degrees are to be
counted. Statistics on all other advanced degrees (e.g., D.Ed., D.P.A., M.D., J.D.) are not included
in this survey. If you are unable to provide a figure for Ph.D.s only, please note this in a
footnote on p. 4 of the questionnaire.

26. Question 30. For the purposes of this report, Ph.D. fields are defined as the specific discipline
specialties formerly enumerated in the form used by the U.S. Department of Education entitled,
"Integrated Postsecondary Education Data System Survey, Postsecondary Completions," designated as
ED (CS) Form G50-14P-C. Although the IPEDS form requests figures for all doctoral degrees, only
fields in which Ph.D.s are awarded should be reported on the ARL questionnaire. Any exceptions
should be noted in a footnote on p. 4 of the questionnaire.

27. Questions 31-34. Enrollment. U.S. libraries should use the 1988-89 enrollment figures reported to
the Department of Education on the form entitled "Integrated Postsecondary Education Data System,
Fall Enrollment . . . 1988," designated as ED (CS) Form G50-14P-EF. The line and column
numbers on the IPEDS form for each category are noted on the questionnaire. Please check these
figures against the enrollment figures reported to ARL in 1988 to ensure consistency and accuracy.
Note: In the past, the number of part-time students reported was FTE; the number now reported
to IPEDS is a head count of part-time students.

28. Question 35. Faculty. Instructional faculty are defined as those members of the
Instructional/Research staff who are employed on a full-time basis and whose major regular
assignment is instruction, including those with released time for research. Please be sure number
reported is equivalent to the number reported for 1987-88.

29. Footnotes. 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 instruction
#5 for definition of branch campus libraries). Explanatory footnotes will be included with the
published statistics. 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. For your convenience, a copy of your footnotes from the 1987-88 ARL Statistics is
included in the questionnaire. Please update these notes, delete them, or indicate that they remain
valid. Note that the number in parentheses refers to the appropriate column on the Library Data
Tables in the published *Statistics*, not to a line number on the questionnaire.)

30. After the questionnaire has been completed, compare the figures with those submitted last year. On occasion, an error will be detected because of an unusual difference between numbers submitted this year and those for the preceding year. If an unusual change has occurred, provide an explanatory footnote on p. 4 of the questionnaire.

31. Before returning the questionnaire, **please check all math**. Many follow-up telephone calls can be avoided if math errors are corrected before the questionnaire is submitted.

32. Return one copy of the questionnaire to the ARL Office by **October 6, 1989**. If there are any questions about the procedure to be followed in completing these questionnaires, contact the ARL Office. Please be sure the library director has signed the questionnaire before it is returned to the ARL Office.
ARRL STATISTICS QUESTIONNAIRE, 1988-89

Please do not leave any lines blank. If the appropriate answer is zero or none, use "0". If an exact figure is unavailable, use "U/A". If a question is not applicable, use "N/A."

Reporting Institution ___________________________ Date Returned to ARL __________________

Questionnaire Completed by (Name) ____________________________

Position ___________________________ Phone ____________________________

Contact Person (if different) ____________________________

Position ___________________________ Phone ____________________________

COLLECTIONS (See instructions 7-11)

1. Volumes held June 30, 1988
   (Exclude microforms, uncataloged govt. docs., maps, a/v material.
   Record figure reported last year or footnote adjusted figure on p. 4.)

2. Volumes added during year — Gross
   (Exclude microforms, uncataloged govt. docs., maps, a/v material.)
   (See instruction 8)

3. Volumes withdrawn during year
   (Exclude microforms, uncataloged govt. docs., maps, a/v material.)

4. Volumes added during year — Net (Subtract line 3 from line 2)

5. Volumes held June 30, 1989 (Add line 1 to line 4)

6. Number of monographic volumes purchased
   (Volumes for which expenditures are reported on line 15. Footnote if titles.)
   (See instruction 9)

7. Number of current serials, including periodicals, purchased
   (See instruction 10)

8. Number of current serials, including periodicals, received but not purchased
   (Exchanges, gifts, etc.) (See instructions 10-11)

9. Total number of current serials received (Add line 7 to line 8)
   (See instruction 11)

10. Total microform units held June 30, 1989 (See instruction 12)

PERSONNEL (See instructions 13-14) (Round figures to nearest whole number.)

11. Number of professional staff, FTE (See instruction 14)

12. Number of nonprofessional staff, FTE

13. Number of student assistants, FTE

14. Total FTE staff (Add lines 11, 12, 13)
EXPENDITURES  *(See instructions 15-23)*

15. Monographs  (Expenditures for volumes reported on line 6)
   *(See instruction 16)*

16. Current serials including periodicals  *(See instruction 17)*

17. Other library materials  *(e.g., microforms, a/v, etc.)*
   *(See instruction 18)*

18. Miscellaneous  *(All materials fund expenditures not included above)*
   *(See instruction 19)*

19. Total library materials  *(Add lines 15, 16, 17, 18)*

20. Contract binding  *(See instruction 20)*

21. Salaries and wages  *(professional staff)*  *(See instruction 21)*

22. Salaries and wages  *(nonprofessional staff)*  *(See instruction 21)*

23. Salaries and wages  *(student assistants)*  *(See instruction 22)*

24. Total salaries and wages  *(Add lines 21,22,23)*  *(See instruction 21)*

25. Other operating expenditures  *(See instruction 23)*

26. Total library expenditures  *(Add lines 19, 20, 24, 25)*

INTERLIBRARY LOANS  *(See instruction 24)*

27. Total items loaned

28. Total items borrowed

PH.D. DEGREES  *(See instructions 25-26)*

29. Number of Ph.D.s awarded

30. Number of fields in which Ph.D.s can be awarded  *(See instruction 26)*

ENROLLMENT – FALL 1988  *(See instruction 27)*

31. Total full-time students  *(Add line 8, columns 13 & 14, and line 14, columns 13 & 14)*

32. Total part-time students  *(Add line 22, columns 13 & 14, and line 28, columns 13 & 14)*

33. Total full-time graduate students  *(Line 14, columns 13 & 14)*

34. Total part-time graduate students  *(Line 28, columns 13 & 14)*

FACULTY  *(See instruction 28)*

35. Number of full-time instructional faculty
FOOTNOTES FOR ARL STATISTICS, 1988-89

(Compare footnotes from previous year as they appear in the published ARL Statistics and revise as appropriate.
For your convenience, a copy of your library's footnotes is given on p. 4 of this questionnaire.) (See instruction 29)

1. Law Library statistics are included.
   _____ Yes  _____ No  _____ We do not have a Law Library

2. Medical Library statistics are included.
   _____ Yes  _____ No  _____ We do not have a Medical Library

3. Other main campus libraries not included:

4. Figures include reports from branch campus libraries. (See instruction 5)
   _____ Yes  _____ No  _____ We have only one campus.

5. If branch campus libraries are included, please specify which campuses:

6. If branch campus libraries are not included, please specify which campuses:

7. Basis of volume count is:  _____ Physical  _____ Bibliographical

8. Count of current serials (Questions 7-9) includes government document serials.
   _____ Yes  _____ No

9. Fringe benefits are included in expenditures for salaries and wages (Questions 21-24).
   _____ Yes  _____ No

10. Other comments:


FOOTNOTES FOR ARL STATISTICS, 1988-89

11. Footnotes as published in the 1987-88 ARL Statistics. Please indicate revisions, additions, and deletions as appropriate. Also, please indicate if any footnotes published last year are still valid if they are unchanged. Note: number in ( ) refers to the column in Library Data Tables in 1987-88 ARL Statistics.

Please return completed questionnaire to the ARL Office by October 6, 1989.

Reporting Institution: 

Library Director's Signature: 

### FOOTNOTES TO THE ARL STATISTICS, 1988-89

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<tr>
<td>ARIZONA STATE</td>
<td>(11-12)</td>
<td>Includes Arizona State University West Campus.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes 1 FTE professional and 2 FTE nonprofessional paid from grant funds.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1987-88 Ph.D. figures included all doctoral degrees.</td>
</tr>
<tr>
<td>BOSTON</td>
<td>(1)</td>
<td>Includes the Theology Library.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td>BOSTON PUBLIC</td>
<td>(1)</td>
<td>Includes branch libraries (794,707) and general library (833,180). Excludes patents (9,168,695); prints (700,000+); and manuscripts (1,000,000+).</td>
</tr>
<tr>
<td></td>
<td>(19)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td>BRIGHAM YOUNG</td>
<td></td>
<td>All figures are as of August 31, 1989.</td>
</tr>
<tr>
<td>BRITISH COLUMBIA</td>
<td>(1-8,15-26)</td>
<td>Figures are as of March 31, 1989.</td>
</tr>
<tr>
<td></td>
<td>(4,15-19)</td>
<td>Includes cataloged and classified government publications.</td>
</tr>
<tr>
<td></td>
<td>(8)</td>
<td>Microform holdings including government document microforms are 3,709,247.</td>
</tr>
<tr>
<td></td>
<td>(11-12)</td>
<td>Includes 5 professional and 3 nonprofessional positions paid from grant funds.</td>
</tr>
<tr>
<td></td>
<td>(17,18)</td>
<td>Included in Monographs Expenditures (15).</td>
</tr>
<tr>
<td></td>
<td>(15-26)</td>
<td>Expenditures reported in Canadian dollars were: (15) $2,555,711; (16) $2,705,306; (17) U/A; (18) U/A; (19) $5,261,017; (20) $208,922; (21) $4,097,464; (22) $5,262,248; (23) $903,917; (24) $10,263,629; (25) $1,276,776; (26) $17,010,344.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>----------------------------</td>
<td>---------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>BROWN (cont.)</td>
<td>(15)</td>
<td>Includes documents and media (such as microforms, videos, and sound recordings).</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Included in Monographs Expenditures (15) and Serials Expenditures (16).</td>
</tr>
<tr>
<td>CALIF., BERKELEY</td>
<td>(17,18)</td>
<td>Included in Monographs Expenditures (15).</td>
</tr>
<tr>
<td>CALIF., DAVIS</td>
<td></td>
<td>Includes Harrison Western Research Center Library collection of 18,142 bound volumes and 107 non-document serials in Fair Oaks, California.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Number of full-time instructional faculty is an estimated figure.</td>
</tr>
<tr>
<td>CALIF., IRVINE</td>
<td>(7)</td>
<td>Figure for current serials including government documents serials is 19,492.</td>
</tr>
<tr>
<td></td>
<td>(8)</td>
<td>Figure for microform holdings including government publications microforms is 1,637,126.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes memberships ($28,840) and other expenditures ($55,737).</td>
</tr>
<tr>
<td>CALIF., LOS ANGELES</td>
<td>(1)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(1-3)</td>
<td>Initial volume count in 1940s was bibliographical; subsequent counts of added volumes have been physical.</td>
</tr>
<tr>
<td></td>
<td>(5-7)</td>
<td>Includes cataloged government document serials.</td>
</tr>
<tr>
<td></td>
<td>(11)</td>
<td>Professional staff includes the following position titles: Specialist, Principal Administrative Analyst, Senior Administrative Analyst, Programmer I-IV, Senior Accountant, MSO I-IV, Principal Editor, Senior Editor, and Library Assistant V.</td>
</tr>
<tr>
<td>CALIF., RIVERSIDE</td>
<td>(4)</td>
<td>Count in number of titles rather than volumes.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>CALIF., RIVERSIDE (cont.)</td>
<td>(19)</td>
<td>Includes donations and budgeted work study funds.</td>
</tr>
<tr>
<td></td>
<td>(23)</td>
<td>Includes $33,097 in federal work study funds.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes grants, opportunity funds, and budgeted funds.</td>
</tr>
<tr>
<td>CALIF., SAN DIEGO</td>
<td>(3)</td>
<td>Reflects government documents deleted from volume count and added to government documents category (8,501 volumes).</td>
</tr>
<tr>
<td></td>
<td>(5-7)</td>
<td>Includes government document serials and monographic and publishers' serials received on standing order.</td>
</tr>
<tr>
<td></td>
<td>(14)</td>
<td>Includes 7 FTE hired for cost recovery operations, special projects, and grants.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes machine-readable data files ($31,470) and data services ($59,252).</td>
</tr>
<tr>
<td>CALIF., SANTA BARBARA</td>
<td>(8)</td>
<td>Faculty figures are FTE, almost all of which are full time.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Excludes government documents microforms for the first time.</td>
</tr>
<tr>
<td>CANADA INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION</td>
<td>(24)</td>
<td>Included in Monographs Expenditures (15).</td>
</tr>
<tr>
<td></td>
<td>(15-26)</td>
<td>Includes 14 branch libraries throughout Canada which serve the divisions of the National Research Council of Canada, CISTI's parent organization.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All figures are as of March 31, 1989.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes fringe benefits.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Expenditures reported in Canadian dollars were: (15) U/A; (16) U/A; (17) U/A; (18) U/A; (19) $8,931,731; (20) 73,200; (21) U/A; (22) U/A; (23) U/A; (24) $7,760,000; (25) $8,882,000; (26) $23,646,931.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>-------------------------</td>
<td>---------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>CASE WESTERN RESERVE</td>
<td>(1)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(1-3)</td>
<td>Count is physical for some libraries and bibliographical for others.</td>
</tr>
<tr>
<td></td>
<td>(3)</td>
<td>Net figure reflects volumes withdrawn during major weeding project.</td>
</tr>
<tr>
<td></td>
<td>(5-7)</td>
<td>Includes government document serials in Health Science Library.</td>
</tr>
<tr>
<td></td>
<td>(11-12)</td>
<td>Includes 1 FTE professional and 2 FTE nonprofessional paid from special project funds.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Figure for number of Ph.D. fields revised from previous years.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Figures for number of full-time faculty revised from previous years to include School of Medicine faculty.</td>
</tr>
<tr>
<td>CENTER FOR RESEARCH</td>
<td>(5-7)</td>
<td>Excludes state documents.</td>
</tr>
<tr>
<td>LIBRARIES</td>
<td>(9)</td>
<td>Current figure is for items loaned. Previous years' figures were for requests filled.</td>
</tr>
<tr>
<td></td>
<td>(11,12,21,22,)</td>
<td>Includes 1 FTE professional and 1 FTE nonprofessional working on grant fund project.</td>
</tr>
<tr>
<td></td>
<td>(17,26)</td>
<td>Includes restricted-fund expenditures.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Excludes figures related to building maintenance included in previous years. Includes monographic series; excludes duplicate subscriptions.</td>
</tr>
<tr>
<td>CHICAGO</td>
<td>(5-7)</td>
<td>Excludes 6,683 borrowed from the Center for Research Libraries.</td>
</tr>
<tr>
<td></td>
<td>(10)</td>
<td>Includes monographic series.</td>
</tr>
<tr>
<td></td>
<td>(16)</td>
<td>Included in Monographs Expenditures (15) and Serials Expenditures (16).</td>
</tr>
<tr>
<td>CINCINNATI</td>
<td>(1)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>------------------------</td>
<td>---------------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>CINCINNATI (cont.)</td>
<td>(16)</td>
<td>Includes microforms.</td>
</tr>
<tr>
<td></td>
<td>(17,18)</td>
<td>Included in Monographs Expenditures (15) and in Serial Expenditures (16).</td>
</tr>
<tr>
<td></td>
<td>(21,22)</td>
<td>Figures unavailable. A combined salary figure for professional and non-professional staff totals $4,930,701.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes $784,178 for operation of automated library system.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes only Ph.D. degrees; excludes all other doctoral degrees.</td>
</tr>
<tr>
<td>COLORADO</td>
<td>(12)</td>
<td>Includes 2 FTE paid from grant funds and 5 FTE paid from auxiliary funds.</td>
</tr>
<tr>
<td></td>
<td>(13)</td>
<td>Includes 23 FTE paid from work study funds.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes Bibliographic utility and Humanities Special Purchase expenditures.</td>
</tr>
<tr>
<td>COLORADO STATE</td>
<td>(18)</td>
<td>Includes ARL ($7,000); CRL ($20,176); RLG ($65,200); RLIN ($169,800); OCLC tapeload ($15,000); and IBDBS ($13,389).</td>
</tr>
<tr>
<td></td>
<td>(20)</td>
<td>Excludes in-house bindery supplies ($8,633).</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes payment for IBM 4361 and storage facility ($164,832) and allocation to Information Systems for NOTIS support ($108,000).</td>
</tr>
<tr>
<td>CONNECTICUT</td>
<td></td>
<td>Includes Greater Hartford Campus. Excludes Avery Point, Stamford, Waterbury, and Litchfield County Center for Higher Education.</td>
</tr>
<tr>
<td>CORNELL</td>
<td>(1)</td>
<td>Includes Geneva Experiment Station.</td>
</tr>
<tr>
<td></td>
<td>(15-18)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Unable to differentiate expenditure categories.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>DARTMOUTH</td>
<td>(11-14)</td>
<td>Includes 1 FTE professional, 3 FTE non-professionals, and .5 FTE student assistant paid from grant funds.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Included in Monographs Expenditures (15) and Serial Expenditures (16).</td>
</tr>
<tr>
<td>DELAWARE</td>
<td>(11-12)</td>
<td>Includes Marine Studies Library at the University of Delaware Marine Studies Research Complex in Lewes, Delaware.</td>
</tr>
<tr>
<td></td>
<td>(11-14,21-24)</td>
<td>Includes 3 professional staff and 2 support staff on grant funding.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Excludes professional and nonprofessional staff in Computing and Network Services assigned to the library.</td>
</tr>
<tr>
<td></td>
<td>(19)</td>
<td>Included in Monographs Expenditures (15) and Serials Expenditures (16).</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Excludes costs for 4 licensed databases.</td>
</tr>
<tr>
<td></td>
<td>(26)</td>
<td>Includes costs for 4 licensed databases.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Excludes operating budget of University of Delaware Library Associates, which in 1988-89 was $82,520.</td>
</tr>
<tr>
<td>DUKE</td>
<td>(1)</td>
<td>Includes Fuqua School of Business Library.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(4)</td>
<td>Count is number of titles rather than volumes.</td>
</tr>
<tr>
<td></td>
<td>(8)</td>
<td>Counts based on physical microform pieces. Includes Law Library government documents.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Faculty figure includes faculty with regular rank.</td>
</tr>
<tr>
<td>EMORY</td>
<td>(1)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(11-26)</td>
<td>Figures are as of August 31, 1989.</td>
</tr>
<tr>
<td></td>
<td>(14)</td>
<td>Includes 5.75 FTE cost recovery positions.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes database searches ($102,280) and bibliographic utilities ($46,976).</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>------------------</td>
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<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>FLORIDA</td>
<td>(1)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(11-12)</td>
<td>Includes .97 FTE professional and .15 FTE nonprofessional paid from grant funds.</td>
</tr>
<tr>
<td></td>
<td>(13)</td>
<td>Includes all hourly staff.</td>
</tr>
<tr>
<td></td>
<td>(21-24)</td>
<td>Includes fringe benefits.</td>
</tr>
<tr>
<td></td>
<td>(26)</td>
<td>Excludes all expenditures for library automation provided by the Florida Center for Library Automation.</td>
</tr>
<tr>
<td>FLORIDA STATE</td>
<td>(15)</td>
<td>Includes branch campus in Panama City (holdings and materials expenditures only). Excludes Development Research School.</td>
</tr>
<tr>
<td></td>
<td>(17,18)</td>
<td>Includes microforms, audiovisual materials, etc.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Figures available for Law Library only.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ph.D.s awarded includes all doctoral degrees.</td>
</tr>
<tr>
<td>GEORGETOWN</td>
<td>(5-7)</td>
<td>Includes government documents if cataloged and not part of the Depository.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Excludes one time expenditure of $720,828 overlapping two fiscal years for equipment needed for expansion to library building's first floor.</td>
</tr>
<tr>
<td>GEORGIA</td>
<td>(1,2)</td>
<td>Includes experiment stations at Griffin, Tifton, Skidaway, and Sapelo.</td>
</tr>
<tr>
<td></td>
<td>(7)</td>
<td>Includes cataloged government documents, some of which are shelved together in the Main and Science Libraries.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes some monographic series received on standing order.</td>
</tr>
<tr>
<td>GEORGIA TECH</td>
<td>(1-7)</td>
<td>Includes government documents that are cataloged, classified, and housed separately.</td>
</tr>
<tr>
<td>GUELPH</td>
<td>(1)</td>
<td>All figures are as of April 30, 1989.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes cataloged government documents.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
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<tr>
<td>----------------------</td>
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</tr>
<tr>
<td>GUELPH (cont.)</td>
<td>(7)</td>
<td>Government serials included for the first time.</td>
</tr>
<tr>
<td></td>
<td>(15-26)</td>
<td>Expenditures reported in Canadian dollars were: (15) $705,458; (16) $1,235,265; (17) $277,718; (18) 0; (19) $2,219,441; (20) $82,157; (21) $1,530,296; (22) $2,149,022; (23) $127,465; (24) $3,806,783; (25) $424,789; (26) $6,533,170.</td>
</tr>
<tr>
<td>HARVARD</td>
<td>(1)</td>
<td>Includes research institutions in District of Columbia and Italy.</td>
</tr>
<tr>
<td></td>
<td>(8)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(26)</td>
<td>Includes some government documents; excludes some international government documents.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Separate figures for expenditures from grants and special projects not available. Excludes fringe benefits ($4,231,333) and building and maintenance ($2,254,137) charged to library budget. Total reported expenses including these items: $47,391,007. Cost recovery items ($3,968,593) are included this year. All Ph.D.s are awarded through the Graduate School of Arts and Sciences. Number of full-time instructional faculty figure represents FY 88-89 full-time faculty count for all faculties of the University.</td>
</tr>
<tr>
<td>HAWAII</td>
<td>(25)</td>
<td>1988-89 figure includes one-time costs associated with relocating staff and services during three-month asbestos removal project.</td>
</tr>
<tr>
<td>HOUSTON</td>
<td>(4)</td>
<td>All figures are as of August 31, 1989.</td>
</tr>
<tr>
<td>HOWARD</td>
<td>(18)</td>
<td>Incorrect figures reported for 1987-88.</td>
</tr>
<tr>
<td>ILLINOIS, CHICAGO</td>
<td>(5-10)</td>
<td>1987-88 ILL figure included only partial ILL activity.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>---------------------</td>
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</tr>
<tr>
<td>ILLINOIS, CHICAGO (cont.)</td>
<td>(17)</td>
<td>Estimated figure. 1987-88 figures for full-time and part-time enrollment revised to 16,853 total full-time and 7,071 total part-time.</td>
</tr>
<tr>
<td>ILLINOIS, URBANA</td>
<td>(7)</td>
<td>Estimated figure. Includes 23 FTE graduate assistants and 17.5 FTE funded from research grants or other temporary funds.</td>
</tr>
<tr>
<td></td>
<td>(14)</td>
<td>Excludes 1988-89 volumes added from the Kinsey Institute for Sex Research.</td>
</tr>
<tr>
<td>INDIANA</td>
<td>(2)</td>
<td>Includes new funding for library automation project.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes only those government documents received on paid subscriptions.</td>
</tr>
<tr>
<td>IOWA</td>
<td>(5,7)</td>
<td>Figure available for Law Library only ($69,543). Expenditures for other libraries are included in Monographs Expenditures (15) and Serials Expenditures (16).</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Automation expenditures.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Excludes salary for .5 FTE Associate Dean for Research in Law.</td>
</tr>
<tr>
<td></td>
<td>(21)</td>
<td>Includes $95,368 in gifts.</td>
</tr>
<tr>
<td></td>
<td>(26)</td>
<td>Includes government document serials that are cataloged, classified, and shelved as part of the collection.</td>
</tr>
<tr>
<td>IOWA STATE</td>
<td>(5-7)</td>
<td>Includes government documents microfilm.</td>
</tr>
<tr>
<td></td>
<td>(8)</td>
<td>Includes 7 FTE cost recovery positions.</td>
</tr>
<tr>
<td></td>
<td>(12)</td>
<td>Includes 2.5 FTE cost recovery positions.</td>
</tr>
<tr>
<td></td>
<td>(13)</td>
<td>Includes OCLC ($21,000) and literature searching ($6,000).</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
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</tr>
<tr>
<td>JOHNS HOPKINS</td>
<td>(1)</td>
<td>Includes Eisenhower Library; Peabody Conservatory Library; Welch Medical Library; Institute of the History of Medicine; School of Hygiene and Public Health Library; Applied Physics Laboratory Library; School of Advanced International Studies in Washington, DC, and Bologna, Italy; the Center for Italian Studies in Florence, Italy; the Montgomery County Center in Rockville, MD; and the School of Continuing Studies' Columbia Center and Downtown Center.</td>
</tr>
<tr>
<td></td>
<td>(5-7)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes some cataloged government documents.</td>
</tr>
<tr>
<td>KANSAS</td>
<td>(1)</td>
<td>Includes literature searching, computer-assisted instruction, and postage for library materials.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes School of Medicine in Kansas City.</td>
</tr>
<tr>
<td>KENT STATE</td>
<td>(1)</td>
<td>Figures for main library included in Monographs Expenditures (15).</td>
</tr>
<tr>
<td></td>
<td>(5)</td>
<td>Count of Ph.D. fields includes one joint program with Kansas State, for a total of 52 fields at Lawrence campus and 11 at Medical Center in Kansas City.</td>
</tr>
<tr>
<td></td>
<td>(6)</td>
<td>Number of full-time instructional faculty excludes faculty administrators, librarians, and 58 faculty at Wichita Medical Center.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes main campus and branches at Astabula, Geauga, East Liverpool, Salem, Stark, Trumbull, Tuscarawas.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1987-88 figure adjusted to include seven regional campus libraries and the Instructional Resources Center.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes continuations.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Estimated figure.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
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<td>-------------------</td>
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<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>KENT STATE (cont.)</td>
<td>(7)</td>
<td>Excludes 4,750 government serials.</td>
</tr>
<tr>
<td></td>
<td>(8)</td>
<td>Excludes government documents.</td>
</tr>
<tr>
<td></td>
<td>(11-14,17,18,21-26)</td>
<td>Figures include Audiovisual Services, Computer Assisted Instruction, and Teleproduction.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes fringe benefits.</td>
</tr>
<tr>
<td>KENTUCKY</td>
<td>(7)</td>
<td>Excludes government documents.</td>
</tr>
<tr>
<td></td>
<td>(11,12)</td>
<td>Includes 4 FTE professionals and 1 FTE nonprofessional paid from grant funds. Also includes 2 FTE professionals on special assignment.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes OCLC services ($110,000); postage ($43,962); data services ($2,666); security strips and other binding supplies ($23,252); and Medical Library CD ROM and database subscriptions ($41,285).</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes $178,093 in grants and gifts and $137,847 in income.</td>
</tr>
<tr>
<td>LAVAL</td>
<td>(4)</td>
<td>Count is number of titles rather than volumes.</td>
</tr>
<tr>
<td></td>
<td>(15)</td>
<td>Includes $87,083 (Can.) in grant funds.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Includes $26,713 (Can.) for a special program of conversion on microfilm of part of the Scientific Library's periodical collections.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes online literature searching.</td>
</tr>
<tr>
<td></td>
<td>(20)</td>
<td>Includes only special contracts and binding furniture. Most binding is done in-house. Salaries involved are $180,263 (Can.).</td>
</tr>
<tr>
<td></td>
<td>(24)</td>
<td>Excludes fringe benefits $1,105,343 ($1,329,286 Can.).</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
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<td>---------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Laval cont.</td>
<td>(15-26)</td>
<td>Expenditures reported in Canadian dollars were: (15) $1,000,329; (16) $1,869,174; (17) $72,159; (18) $123,922; (19) $3,065,584; (20) $91,318; (21) $3,472,035; (22) $4,814,260; (23) $220,242; (24) $8,506,537; (25) $1,053,906; (26) $12,717,345.</td>
</tr>
<tr>
<td>Library of Congress</td>
<td>(7)</td>
<td>All figures are as of September 30, 1989. Estimated figure.</td>
</tr>
<tr>
<td>Linda Hall</td>
<td>(21-24)</td>
<td>Includes fringe benefits.</td>
</tr>
<tr>
<td>Louisiana State</td>
<td>(1)</td>
<td>All figures are as of December 31, 1988. Includes Law Library and Veterinary Medicine Library.</td>
</tr>
<tr>
<td></td>
<td>(2)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(7)</td>
<td>Includes 5,910 volumes processed from the Design Resource Center and 12,924 volumes from Instructional Media Center not previously cataloged.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Decrease is a reflection of cancellation activity and improved serials control.</td>
</tr>
<tr>
<td></td>
<td>(23)</td>
<td>Includes $115,000 paid to the Southeastern Library Network and Law Library expenditures of $59,256.</td>
</tr>
<tr>
<td>McGill</td>
<td>(17)</td>
<td>Includes $205,442 in work-study funds.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>All figures are as of May 31, 1989. Included in Monographs Expenditures (15) and Serials expenditures (16).</td>
</tr>
<tr>
<td></td>
<td>(22)</td>
<td>Includes Tattletape ($36,942 Can.); bibliographic searching ($378,717 Can.); and retrospective conversion bibliographic searching ($279,000 Can.).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes contracted security services ($192,173 Can.).</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
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<td>---------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>McGill (cont.)</td>
<td>(25)</td>
<td>Includes automation hardware and software installations ($182,275 Can.) and barcoding labels ($21,600 Can.). Expenditures reported in Canadian dollars were: (15) $1,730,224; (16) $2,404,184; (17) U/A; (18) $742,575; (19) $4,876,983; (20) $182,000; (21) $3,860,137; (22) $5,265,380; (23) $523,204; (24) $9,648,721; (25) $637,137; (26) $15,344,841. Total part-time student figure reported is FTE; headcount is 11,357.</td>
</tr>
<tr>
<td>McMaster</td>
<td>(1)</td>
<td>All figures are as of April 30, 1989.</td>
</tr>
<tr>
<td>(17)</td>
<td></td>
<td>1987-88 figure revised. Included in Monographs Expenditures (15) and Serials Expenditures (16). Expenditures reported in Canadian dollars were: (15) $1,896,871; (16) $2,420,697; (17) U/A; (18) $29,912; (19) $4,347,390; (20) $109,526; (21) $1,625,180; (22) $3,305,061; (23) $348,578; (24) $5,278,819; (25) $493,905; (26) $10,229,640.</td>
</tr>
<tr>
<td>Manitoba</td>
<td>(11-12)</td>
<td>All figures are as of March 31, 1989. Includes 1.6 FTE professional and 1.21 FTE non-professional paid from grant funds. Included in Monographs Expenditures (15) and Serials Expenditures (16). Expenditures reported in Canadian dollars were: (15) $936,372; (16) $1,905,648; (17) U/A; (18) U/A; (19) $2,842,020; (20) $163,997; (21) $2,374,613; (22) $2,975,614; (23) $485,190; (24) $5,835,417; (25) $1,016,926; (26) $9,858,360. Figures reported include data from the College of Library and Information Services Library for collections and expenditures for library materials only.</td>
</tr>
<tr>
<td>Maryland</td>
<td>(15-26)</td>
<td></td>
</tr>
</tbody>
</table>

80
<table>
<thead>
<tr>
<th>Institution</th>
<th>Category from Main Tables</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARYLAND (cont.)</td>
<td>(13,24)</td>
<td>Expenditures for federal work study students are excluded, but these students are included in the calculation of FTE student assistants.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ph.D. count includes all doctoral fields.</td>
</tr>
<tr>
<td>MASSACHUSETTS</td>
<td>(7)</td>
<td>Includes 285 periodical titles received as U.S. depository items. These titles are fully cataloged, classified, and intershelved in the main and branch collections.</td>
</tr>
<tr>
<td></td>
<td>(12)</td>
<td>Includes 8 temporary staff for retrospective conversion, and 1 trust-funded staff.</td>
</tr>
<tr>
<td></td>
<td>(23)</td>
<td>Includes Federal work-study contribution ($117,572) excluded in previous years.</td>
</tr>
<tr>
<td>MIT</td>
<td>(11,12)</td>
<td>Ph.D.s awarded excludes 103 Ed.D. degrees.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes 2.0 FTE professionals and 1.6 FTE nonprofessional paid through grant funds.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes bibliographic utilities ($179,215) and literature searching ($103,721).</td>
</tr>
<tr>
<td>MIAMI</td>
<td>(21)</td>
<td>Includes $155,858 in grant funds.</td>
</tr>
<tr>
<td>MICHIGAN</td>
<td>(1)</td>
<td>Excludes director's salary.</td>
</tr>
<tr>
<td></td>
<td>(16)</td>
<td>Excludes Dearborn Campus Library, and the University of Michigan, Flint Library.</td>
</tr>
<tr>
<td>MICHIGAN STATE</td>
<td>(1-3, 6-7)</td>
<td>Includes microforms in the Transportation Research Institute.</td>
</tr>
<tr>
<td></td>
<td>(5)</td>
<td>Includes microform serials.</td>
</tr>
<tr>
<td></td>
<td>(11)</td>
<td>Includes government documents.</td>
</tr>
<tr>
<td></td>
<td>(12)</td>
<td>Includes some monographic series that cannot be disaggregated.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes .5 FTE paid from grant funds.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes 1 FTE paid from grant funds and 4 FTE from cost recovery funds.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
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<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>MICHIGAN STATE (cont.)</td>
<td>(13)</td>
<td>Includes 1 FTE paid from grant funds and 19 FTE from cost recovery funds.</td>
</tr>
<tr>
<td></td>
<td>(16)</td>
<td>Includes expenditures for some monographic series that cannot be disaggregated.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Included in Monographs Expenditures (15) and Serial Expenditures (16).</td>
</tr>
<tr>
<td>MINNESOTA</td>
<td>(17)</td>
<td>Included in Monographs Expenditures (15) and Serials Expenditures (16).</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes CRL dues ($30,313) and postage, service charges, foreign drafts, etc.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Full-time instructional faculty figure reported for 1987-88 was incorrect.</td>
</tr>
<tr>
<td>MISSOURI</td>
<td>(5,7)</td>
<td>Includes law monographic series.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes $12,000 paid to OCLC by Law Library and $30,016 for computer-assisted legal research.</td>
</tr>
<tr>
<td></td>
<td>(21)</td>
<td>Includes $113,753 for UM-Wide Library Systems Office for online catalog.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes $295,476 for UM-Wide Library Systems Office for online catalog.</td>
</tr>
<tr>
<td>NATIONAL AGRICULTURAL LIBRARY</td>
<td>(2)</td>
<td>U.S.D.A. field libraries are not included.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All figures are as of September 30, 1989.</td>
</tr>
<tr>
<td></td>
<td>(11)</td>
<td>Serial volumes added is estimated count of unbound serials; binding of periodicals is not current.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Increase over last year's figure reflects a change in the manner of regarding administrative staff.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes fringe benefits.</td>
</tr>
<tr>
<td>NATIONAL LIBRARY OF CANADA</td>
<td>(21-24)</td>
<td>Figures for holdings, interlibrary loans, and expenditures are as of March 31, 1989.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>-----------------------------------</td>
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<td>----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>NATIONAL LIBRARY OF CANADA (cont.)</td>
<td>(4)</td>
<td>In addition to monographs purchased, two copies of documents published in Canada are received on legal deposit.</td>
</tr>
<tr>
<td></td>
<td>(11-14)</td>
<td>Authorized person-years.</td>
</tr>
<tr>
<td></td>
<td>(15,16)</td>
<td>Canadian monographs and serials are received on legal deposit.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes expenditures on custom brokers, memberships, Telex, freight and express charges, and communication (databases).</td>
</tr>
<tr>
<td></td>
<td>(15-26)</td>
<td>Expenditures reported in Canadian dollars were: (15) $553,533; (16) $708,549; (17) $1,497,817; (18) $44,707; (19) $2,804,606; (20) $18,000; (21) $8,062,143; (22) $9,993,105; (23) $436,437; (24) $18,491,685; (25) $14,569,477; (26) $35,883,768.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All figures are as of September 30, 1989.</td>
</tr>
<tr>
<td>NATIONAL LIBRARY OF MEDICINE</td>
<td>(11-26)</td>
<td>Statistics reflect the Library Operations component of the Library: Public Services, Technical Services, Bibliographic Services, and History of Medicine Divisions, as well as the Medical Subject Headings staff, the staff of the Regional Medical Library program, and the Office of the Associate Director for Library Operations.</td>
</tr>
<tr>
<td>NEBRASKA</td>
<td>(1)</td>
<td>Basis of volume count is physical, in previous years it was incorrectly reported as bibliographical.</td>
</tr>
<tr>
<td></td>
<td>(5-7)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(4-7)</td>
<td>Includes cataloged government documents.</td>
</tr>
<tr>
<td></td>
<td>(8)</td>
<td>Excludes figures for Law Library which are unavailable.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Increase from last year figure due to actual physical count.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Excludes figures for Law Library which are unavailable.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
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<tr>
<td>--------------------------</td>
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<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>NEWBERRY LIBRARY</td>
<td>(4)</td>
<td>Count is number of titles rather than volumes.</td>
</tr>
<tr>
<td></td>
<td>(7)</td>
<td>Estimated figure.</td>
</tr>
<tr>
<td></td>
<td>(21-24)</td>
<td>Includes fringe benefits.</td>
</tr>
<tr>
<td></td>
<td>(24,25)</td>
<td>Includes salaries and wages associated with buildings, maintenance,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>and the Division of Research and Education.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes General Library, Law Library, and Medical Center Library.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1987-88 data included only the General Library's figures.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td>NEW MEXICO</td>
<td>(1)</td>
<td>Includes some non-print volumes.</td>
</tr>
<tr>
<td></td>
<td>(1-3)</td>
<td>Medical Center Library reported number of volumes purchased.</td>
</tr>
<tr>
<td></td>
<td>(4)</td>
<td>General Library and Law Library reported number of titles purchased;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>these figures were converted to estimated volumes by multiplying by</td>
</tr>
<tr>
<td></td>
<td></td>
<td>a conversion factor of 1.2.</td>
</tr>
<tr>
<td></td>
<td>(8)</td>
<td>Number reflects current inventory. Excludes Medical Center Library.</td>
</tr>
<tr>
<td></td>
<td>(12)</td>
<td>Increase in number of General Library nonprofessional staff due to</td>
</tr>
<tr>
<td></td>
<td></td>
<td>opening of two new branch libraries and receipt of additional grant</td>
</tr>
<tr>
<td></td>
<td></td>
<td>funding.</td>
</tr>
<tr>
<td></td>
<td>(15)</td>
<td>Includes General Library expenditures for nonserial microforms and</td>
</tr>
<tr>
<td></td>
<td></td>
<td>audiovisual materials.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Includes Law Library and Medical Center Library expenditures only.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>General Library included in Monographs Expenditures (15).</td>
</tr>
<tr>
<td>NEW YORK</td>
<td>(17,18)</td>
<td>All figures as of August 31, 1989.</td>
</tr>
<tr>
<td>NEW YORK PUBLIC LIBRARY</td>
<td>(7)</td>
<td>Excludes separate figures for Main Library.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Reflects the results of a serials reduction project.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
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</tr>
<tr>
<td>NEW YORK PUBLIC LIBRARY (cont.)</td>
<td>(13)</td>
<td>Number used to calculate Student Assistants FTE is 35 hours/week.</td>
</tr>
<tr>
<td></td>
<td>(14)</td>
<td>Includes number of positions authorized; does not reflect number of positions filled/vacant at any given time.</td>
</tr>
<tr>
<td></td>
<td>(20)</td>
<td>Includes rebinding.</td>
</tr>
<tr>
<td></td>
<td>(15-26)</td>
<td>Estimated figures; audited financial statements for FY 89 not yet available.</td>
</tr>
<tr>
<td>NEW YORK STATE LIBRARY</td>
<td>(1)</td>
<td>All figures as of March 31, 1989.</td>
</tr>
<tr>
<td></td>
<td>(14,26)</td>
<td>Includes cataloged government documents.</td>
</tr>
<tr>
<td>NORTH CAROLINA</td>
<td>(1,12)</td>
<td>Includes figures for NEH, HEA II-C, and Library fund as well as State and LSCA funds.</td>
</tr>
<tr>
<td></td>
<td>(26)</td>
<td>Includes Institute of Marine Sciences Library.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes 2 FTE professionals and 1 FTE nonprofessional on special grant funds; excludes include 8.5 FTE paid from funds contributed by Duke and North Carolina State Universities for support of the Triangle Research Libraries Network.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes $2,502,068 in grants, trust, and other special funds; excludes $443,206 in expenditures for the Triangle Research Libraries Network from funds contributed by Duke and North Carolina State Universities.</td>
</tr>
<tr>
<td>NORTH CAROLINA STATE</td>
<td>(18)</td>
<td>Includes Veterinary Medical Library.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes bibliographic utilities ($35,033), memberships ($34,962), and other materials fund expenditures ($13,807).</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>------------------</td>
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<td>---------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>NORTHWESTERN</td>
<td></td>
<td>1988-89 data from Northwestern University were unavailable in time for publication. In light of a pending U.S. Department of Justice investigation of a number of colleges and universities concerning alleged collusion in determining tuition and financial aid for students, Northwestern University Library has been advised by legal counsel to delay submission of survey data at this time.</td>
</tr>
<tr>
<td>NOTRE DAME</td>
<td>(1)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(4)</td>
<td>Excludes Law Library figure.</td>
</tr>
<tr>
<td></td>
<td>(9-10)</td>
<td>Current figures are for items filled. Previous years reported the number of items requested.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Number of full-time instructional faculty excludes Law faculty.</td>
</tr>
<tr>
<td>OHIO STATE</td>
<td>(1,7)</td>
<td>Includes University Archives. Excludes College of Education curriculum/media center and several departmental reading rooms.</td>
</tr>
<tr>
<td></td>
<td>(5,6)</td>
<td>Includes cataloged government documents.</td>
</tr>
<tr>
<td></td>
<td>(11)</td>
<td>Apportionment of purchased and not purchased serials reflects completed analysis of recently computerized serial acquisition records.</td>
</tr>
<tr>
<td></td>
<td>(16)</td>
<td>Includes 6 FTE positions funded by grants.</td>
</tr>
<tr>
<td></td>
<td>(17,18)</td>
<td>Includes a $206,607 payment for Health Sciences that normally would be made in 1989-90.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes only Law Library expenditures. Data for other libraries included in Monographs Expenditures (15) and Serials Expenditures (16).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes expenditures attributed in 1983-84 and earlier years to the University computer center.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>--------------------</td>
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<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>OKLAHOMA</td>
<td></td>
<td>Volume count is bibliographical, reported in previous years as physical.</td>
</tr>
<tr>
<td>OKLAHOMA STATE</td>
<td>(1)</td>
<td>Includes OSU Technical Branches in Oklahoma City and Okmulgee, and the College of Osteopathic Medicine in Tulsa.</td>
</tr>
<tr>
<td></td>
<td>(21-24)</td>
<td>Includes the addition of 21,817 volumes from the College of Osteopathic Medicine for which OSU assumed administrative responsibilities beginning July 1, 1988.</td>
</tr>
<tr>
<td>OREGON</td>
<td>(1)</td>
<td>Includes fringe benefits.</td>
</tr>
<tr>
<td></td>
<td>(4)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(5,6)</td>
<td>Figure reported is titles rather than volumes.</td>
</tr>
<tr>
<td></td>
<td>(9,10)</td>
<td>Excludes duplicate subscriptions.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Figures are for number of patron requests rather than items.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Included in Monographs Expenditures (15) and Serials Expenditures (16).</td>
</tr>
<tr>
<td>PENNSYLVANIA</td>
<td>(8)</td>
<td>Includes bibliographic utilities, LEXIS/WESTLAW searching, shipping charges, and miscellaneous.</td>
</tr>
<tr>
<td>PENNSYLVANIA STATE</td>
<td></td>
<td>Full-time faculty figure represents tenure and tenure-track faculty.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes government documents which were excluded last year.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Number of Ph.D. fields reported for 1987-88 was incorrect.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes main campus and branches at Allentown, Altoona, Beaver, Berks, Delaware Co., DuBois, Fayette, Hazleton, McKeesport, Mont Alto, New Kensington, Ogontz, Penn State Erie, Behrend College, Penn State Great Valley, Penn State Harrisburg, Schuylkill, Shenango Valley, Wilkes-Barre, Worthington Scranton, York, and Capital College.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
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<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>PENNSYLVANIA STATE</td>
<td>(1) (11-14,15-26)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td>(cont.)</td>
<td>(17)</td>
<td>Reduced personnel and expenditures are due to the transfer of a department to central administration in July 1988.</td>
</tr>
<tr>
<td>PITTSPURGH</td>
<td>(1) (11-14)</td>
<td>Included in Monographs Expenditures (15) and Serials Expenditures (16).</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Excludes branch campus libraries at Johnstown, Greensberg, Bradford, and Titusville.</td>
</tr>
<tr>
<td>PRINCECTON</td>
<td>(24)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td>PURDUE</td>
<td>(4)</td>
<td>Includes 2 FTE professionals and 1 FTE student assistant paid from grant funds.</td>
</tr>
<tr>
<td></td>
<td>(16)</td>
<td>Excludes microforms, except for the Law Library.</td>
</tr>
<tr>
<td>QUEEN'S</td>
<td>(4) (16)</td>
<td>Faculty figures include both instructional faculty and faculty identified otherwise.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Figures prior to 1985-86 included fringe benefits.</td>
</tr>
<tr>
<td></td>
<td>(24)</td>
<td>Full-time students figure for 1987-88 was incorrect.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Estimated figure.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Number of Ph.D. fields includes the number of departments and interdisciplinary programs which grant Ph.D.s. In previous years number included some break-down within fields.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All figures are as of April 30, 1989.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Figure reported is titles rather than volumes.</td>
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<tr>
<td></td>
<td></td>
<td>Includes microforms.</td>
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<tr>
<td></td>
<td></td>
<td>Includes audiovisual material only.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Excludes Law Librarian.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
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</tr>
<tr>
<td>QUEEN'S (cont.)</td>
<td>(25)</td>
<td>Includes cost recovery of $175,000 (Can.). Expenditures reported in Canadian dollars were: (15) $1,266,355; (16) $2,455,549; (17) $21,293; (18) 0; (19) $3,743,197; (20) $133,350; (21) U/A; (22) U/A; (23) $215,371; (24) $5,245,435; (25) $498,212; (26) $9,620,194.</td>
</tr>
<tr>
<td>RICE</td>
<td>(9)</td>
<td>Includes ILL to corporate libraries. Included in Monographs Expenditures (15). Includes bibliographic utilities ($68,202); database searching ($63,241); security ($21,453); and memberships ($16,200). Includes all sources of funding. Includes positions funded by external grants, contracts, and transfers from other university budgets and cost centers.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td></td>
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<td></td>
<td>(19,25,26)</td>
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<td>(24)</td>
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<td>(5,7)</td>
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<td></td>
<td>(16)</td>
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<td></td>
<td>(17)</td>
<td></td>
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<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
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<td>---------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>ROCHESTER (cont.)</td>
<td>(18)</td>
<td>Includes Rush Rhees Library only. Decrease from 1987-88 reflects shift in reporting for most of these expenditures to Other Operating Expenditures (25).</td>
</tr>
<tr>
<td>RUTGERS</td>
<td>(1)</td>
<td>Figures include two law libraries; services to a non-Rutgers medical school; and campuses in Camden, Newark, and New Brunswick.</td>
</tr>
<tr>
<td></td>
<td>(19,22)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Excludes staff hired for special projects and grants.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Excludes Theological College libraries on campus that are not part of the library system.</td>
</tr>
<tr>
<td>SASKATCHEWAN</td>
<td>(1)</td>
<td>Figures are as of April 30, 1989.</td>
</tr>
<tr>
<td></td>
<td>(4)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Figure reported is titles rather than volumes.</td>
</tr>
<tr>
<td></td>
<td>(15-26)</td>
<td>Included in Monographs Expenditures (15).</td>
</tr>
<tr>
<td>SMITHSONIAN</td>
<td></td>
<td>Expenditures reported in Canadian dollars were: (15) $1,211,922; (16) $2,264,942; (17) U/A; (18) 0; (19) $3,476,864; (20) $118,085;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(21) $1,541,380; (22) $2,861,037; (23) $192,809; (24) $4,595,226; (25) $659,664; (26) $8,849,839.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes Smithsonian Astrophysical Observatory in Cambridge, MA and Mt. Hopkias, AZ; Cooper-Hewitt Museum in New York City; and Smithsonina</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Excludes Hirshhorn Museum and Sculpture Garden, Woodrow Wilson International Center for Scholars, Freer Gally of Art, National Museum of</td>
</tr>
<tr>
<td></td>
<td></td>
<td>American Art, and National Portrait Gallery.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All figures are as of September 30, 1989.</td>
</tr>
</tbody>
</table>
SMITHSONIAN (cont.)

(2)

Basis of volume count is physical, reported in previous years as bibliographical.

(4)

Represents 22,912 titles and 5,891 volumes.

(15)

Includes 6,409 volumes received through Acquisitions services, and 56,000 volumes received in a collection of trade literature purchased with special funding.

(16)

Includes S.I. Libraries budget ($412,895); and special funding for purchase of collection of trade literature ($150,000).

(17)

Includes $198,772 pre-payment toward 1990 subscriptions.

(18)

Includes ILL ($4,000) and photoduplication at the Library of Congress ($500).

(26)

Includes conservation ($5,277); database searching ($322,000); document delivery ($86,200); S.I. Bibliographic Information System ($121,000); OCLC ($132,000); and contract cataloging ($57,500).

SOUTH CAROLINA

(11)

Excludes health and medical benefits ($558,457); travel ($52,590); training ($19,378); and building and equipment maintenance ($39,100).

(17)

Includes 1 FTE paid from grant funds.

(25)

Included in Monographs Expenditures (15) and Serials Expenditures (16).

SOUTHERN CALIFORNIA

Includes one time expenditure of $925,000 for NOTIS installation.

Includes the Andrus Gerontology Center Library, the Hancock Library of Biology and Oceanography, and the Arnold Schoenberg Institute Library, and the Occupational Therapy/Physical Therapy and Nursing Collection; excludes the Safety and Systems Management Library.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Category from Main Tables</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOUTHERN CALIFORNIA</td>
<td>(5)</td>
<td>Law Library figure is unavailable. Main Library and Medical Library figure is 14,591.</td>
</tr>
<tr>
<td>(cont.)</td>
<td>(6)</td>
<td>Law Library and Medical Library figures are unavailable. Main Library figure is 19,092.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes Law Library and Medical Library only. Similar expenditures for the Central Library System included in Other Operating Expenditures (25).</td>
</tr>
<tr>
<td>SOUTHERN ILLINOIS</td>
<td></td>
<td>Number of Ph.D.s awarded may include some D.Eds and D.P.A.s.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Excludes School of Medicine Library (Springfield), which is not administratively part of Library Affairs.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Number of Ph.D.s awarded excludes MD., JD., DBA., and RHD.</td>
</tr>
<tr>
<td>STANFORD</td>
<td>(1)</td>
<td>Figures include Hopkins Marine Station Library.</td>
</tr>
<tr>
<td></td>
<td>(14)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(15-26)</td>
<td>Includes 15 FTE paid from grant and contract funds.</td>
</tr>
<tr>
<td></td>
<td>(26)</td>
<td>Figures are as of August 31, 1989.</td>
</tr>
<tr>
<td>SUNY, ALBANY</td>
<td>(4,5,7,)</td>
<td>Includes $1,169,939 in grant and contract funds.</td>
</tr>
<tr>
<td></td>
<td>(8)</td>
<td>Includes the Dewey Graduate Library of Public Affairs and Policy on East campus.</td>
</tr>
<tr>
<td></td>
<td>(11-14)</td>
<td>Figures are as of March 31, 1989.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes government document microforms.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes 1 FTE professional, 4.4 FTE non-professionals, and 7 FTE student assistants in cost recovery or grant-funded positions.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes ILL service ($4,167); memberships ($105,896); bibliographic utilities ($113,800); computer-based reference service ($15,200).</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>-------------------</td>
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<td>----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>SUNY, BUFFALO</td>
<td>(4)</td>
<td>All figures are as of March 31, 1989.</td>
</tr>
<tr>
<td></td>
<td>(5)</td>
<td>Excludes monographs in series and continuations.</td>
</tr>
<tr>
<td></td>
<td>(11-14)</td>
<td>Includes monographic series.</td>
</tr>
<tr>
<td></td>
<td>(16)</td>
<td>Includes 5 FTE professionals, 3 FTE nonprofessional, and 10 FTE student assistants on special projects grants.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes expenditures for monographic series.</td>
</tr>
<tr>
<td></td>
<td>(23)</td>
<td>Includes memberships ($38,800) and bibliographic utilities and literature searching ($165,900).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Excludes federal work-study funding.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ph.D.s awarded are as of June 30, 1989.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Figures are as of March 31, 1988.</td>
</tr>
<tr>
<td>SUNY, STONY BROOK</td>
<td>(7)</td>
<td>Includes government documents for Health Sciences Library.</td>
</tr>
<tr>
<td></td>
<td>(8)</td>
<td>Includes government documents for Main Library.</td>
</tr>
<tr>
<td></td>
<td>(15)</td>
<td>Includes some microforms for main library.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes bibliographic utilities and automation ($106,025); literature searching ($9,756); and memberships ($92,569).</td>
</tr>
<tr>
<td>SYRACUSE</td>
<td>(4)</td>
<td>Excludes Utica College.</td>
</tr>
<tr>
<td></td>
<td>(11)</td>
<td>Figure reported is number of titles rather than volumes.</td>
</tr>
<tr>
<td></td>
<td>(21)</td>
<td>Includes 3.5 FTE in Academic Computing Center.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes $157,640 for Academic Computing Center staff.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
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</tr>
<tr>
<td>SYRACUSE (cont.)</td>
<td>(23)</td>
<td>Includes federal work-study funding for the first time.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes Academic Computing Center computer rentals, collection insurance, as well as regular operating expenditures.</td>
</tr>
<tr>
<td>TEMPLE</td>
<td>(18)</td>
<td>Ph.D.s awarded include all doctoral degrees.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Excludes Health, Physical Education, Recreation and Dance Library; Media Learning Center; Institute on Aging Library; Journalism Library; Test Library and Measurement Research Center; and Presser Learning Center. Includes branch campus libraries in Ambler, PA; Tyler Campus; and Temple University Center City, Philadelphia.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes bibliographic utilities ($129,285); literature searching ($9,190); RLG membership ($78,700); and CRL membership ($21,162).</td>
</tr>
<tr>
<td>TENNESSEE</td>
<td>(1-3)</td>
<td>Ph.D.s awarded include all doctoral degrees.</td>
</tr>
<tr>
<td></td>
<td>(4)</td>
<td>Includes government documents from Law Library only.</td>
</tr>
<tr>
<td></td>
<td>(17,18)</td>
<td>Law Library figures unavailable.</td>
</tr>
<tr>
<td></td>
<td>(21,22)</td>
<td>Includes figures for Law Library only.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes longevity pay.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Excludes cost recovery.</td>
</tr>
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<td></td>
<td></td>
<td>All figures are as of August 31, 1989.</td>
</tr>
<tr>
<td>TEXAS</td>
<td>(5)</td>
<td>Includes the General Libraries, the Humanities Research Center, and the Tarlton Law Library.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Figure unavailable for Law Library.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Figures for the General Libraries and the Humanities Research Center are respectively 25,698 and 203.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
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</tr>
<tr>
<td>TEXAS (cont.)</td>
<td>(6)</td>
<td>Figure unavailable for Law Library. Figures for the General Libraries and Humanities Research Center are respectively 40,559 and 33.</td>
</tr>
<tr>
<td></td>
<td>(14)</td>
<td>Includes 2.75 FTE staff hired on grant and/or recovery funds.</td>
</tr>
<tr>
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<td>(17,18)</td>
<td>Included in Monographs Expenditures (15).</td>
</tr>
<tr>
<td></td>
<td>(19)</td>
<td>Includes expenditures of General Libraries ($4,146,184), Humanities Research Center ($677,184), and Law Library ($726,004).</td>
</tr>
<tr>
<td></td>
<td>(23)</td>
<td>Includes federal work-study funds.</td>
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<tr>
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<td></td>
<td>Ph.D.s awarded includes D.Ed. degrees.</td>
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<tr>
<td></td>
<td></td>
<td>Faculty figure is budgeted FTE.</td>
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<tr>
<td></td>
<td></td>
<td>Medical Library is a separate academic entity; data from its two branch libraries are not included.</td>
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<td></td>
<td></td>
<td>All figures are as of August 31, 1989.</td>
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<tr>
<td></td>
<td>(3)</td>
<td>Includes NTIS documents.</td>
</tr>
<tr>
<td></td>
<td>(15)</td>
<td>Includes some expenditures for Other Library Materials (17).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All figures are as of April 30, 1989.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes only the libraries of the university within the President's budget; excludes libraries of the federated and affiliated institutions.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes monographic series.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Included in Monographs Expenditures (15) and Serials Expenditures (16).</td>
</tr>
<tr>
<td></td>
<td>(1,4,5,7)</td>
<td>Regular part-time assistants' salaries were counted with nonprofessional staff rather than with wages and students as in prior years.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Table</td>
<td>Notes</td>
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<td>-------------------------------------------------</td>
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<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>TORONTO (cont.)</td>
<td>(15-26)</td>
<td>Expenditures reported in Canadian dollars were: (15) $4,378,976; (16) $3,919,868; (17) U/A; (18) U/A; (19) $8,298,844; (20) $300,316; (21) $6,955,378; (22) $11,089,949; (23) $1,167,333; (24) $19,212,660; (25) $1,741,252; (26) $29,553,072.</td>
</tr>
<tr>
<td>TULANE</td>
<td>(4)</td>
<td>Includes Delta Regional Primate Research Center in Covington, Louisiana.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Figure reported is a combination of titles and volumes.</td>
</tr>
<tr>
<td>VANDERBILT</td>
<td>(1)</td>
<td>Includes SOLINET charges.</td>
</tr>
<tr>
<td></td>
<td>(16)</td>
<td>Faculty figure includes faculty in School of Medicine and School of Public Health and Tropical Medicine.</td>
</tr>
<tr>
<td></td>
<td>(16,17)</td>
<td>Excludes 17,000 hours of videotape.</td>
</tr>
<tr>
<td>VIRGINIA</td>
<td>(5-7)</td>
<td>Includes current serials and periodicals purchased in microform.</td>
</tr>
<tr>
<td></td>
<td>(13)</td>
<td>Other Library Materials Expenditures (17) for Law and Medical libraries are included in Serials Expenditures (16).</td>
</tr>
<tr>
<td></td>
<td>(16)</td>
<td>Full-time instructional faculty figure includes clinical faculty.</td>
</tr>
<tr>
<td>VIRGINIA POLYTECHNIC &amp; STATE UNIVERSITY</td>
<td></td>
<td>Includes monographic series in Health Sciences Library and Law Library.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Increase in Student Assistant FTE is due to new computer count.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes expenditures for monographic series in Health Sciences Library and Law Library.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes &quot;open reserve&quot; collection of approximately 10,000 volumes at Northern Virginia Graduate Center in Falls Church, Virginia.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
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<td>---------------------------------</td>
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<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>VIRGINIA POLYTECHNIC</td>
<td>(5-8)</td>
<td>Estimated figures.</td>
</tr>
<tr>
<td>&amp; STATE UNIVERSITY</td>
<td>(11)</td>
<td>Includes 2 non-faculty department head positions.</td>
</tr>
<tr>
<td>(cont.)</td>
<td>(16)</td>
<td>Includes pre-payment of $701,524 for 6,584 titles.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Includes bibliographic utilities ($130,853); literature searching ($46,326); binding supplies and contractual services ($21,904).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Full-time graduate student figure includes professional school (veterinary medicine) students.</td>
</tr>
<tr>
<td>WASHINGTON</td>
<td>(4)</td>
<td>Excludes Law Library.</td>
</tr>
<tr>
<td></td>
<td>(7)</td>
<td>Excludes Law Library.</td>
</tr>
<tr>
<td></td>
<td>(11-14)</td>
<td>Includes 1 FTE professional, 5.5 FTE nonprofessional, and 14 FTE students paid from cost recovery operations.</td>
</tr>
<tr>
<td></td>
<td>(17,18)</td>
<td>Includes Law Library only.</td>
</tr>
<tr>
<td>WASHINGTON STATE</td>
<td>(11-14)</td>
<td>Includes staff for Instructional Media Services. Also includes .95 FTE professionals, 4.35 FTE nonprofessional, and 10.92 students paid from cost recovery and grant funds.</td>
</tr>
<tr>
<td></td>
<td>(15)</td>
<td>Includes microforms and $3,799 in grant and cost recovery funds.</td>
</tr>
<tr>
<td></td>
<td>(16)</td>
<td>Includes microforms, CD-ROMs, and $1,848 in grants and cost recovery funds.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Includes figures for Instructional Media Service purchase of film and videos only.</td>
</tr>
<tr>
<td></td>
<td>(21)</td>
<td>Includes $24,017 grant and cost recovery funds.</td>
</tr>
<tr>
<td></td>
<td>(22)</td>
<td>Includes $79,681 grant and cost recovery funds.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>----------------------</td>
<td>---------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>WASHINGTON STATE (cont.)</td>
<td>(23)</td>
<td>Includes $111,886 grant and cost recovery funds.</td>
</tr>
<tr>
<td></td>
<td>(24)</td>
<td>Includes $215,584 grant and cost recovery funds.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes $250,294 grant and cost recovery funds.</td>
</tr>
<tr>
<td>WASHINGTON, ST. LOUIS</td>
<td>(7)</td>
<td>Includes 7,883 current serials held in the Law and Medical libraries for which separate counts of purchased and not purchased are unavailable. Includes Law and Medical Library government documents.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Separate costs not available for Dental School Library and the Central Library system.</td>
</tr>
<tr>
<td></td>
<td>(18)</td>
<td>Figures apply to Law, Business, and Social Work libraries only.</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes on campus computing facilities and other automation costs, other services (i.e. postage, leases) and equipment. Also includes Social Security and annuity for all libraries ($304,045 fringes included for Central Library; no separate figures available for other libraries.)</td>
</tr>
<tr>
<td>WATERLOO</td>
<td>(1)</td>
<td>Faculty figures exclude Medical School faculty. Total with Medical School is 1,478.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Figures include the University Map and Design Library, the Davis Centre Library, and the Optometry Reading Room.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All figures are as of April 30, 1989.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes cataloged government documents.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>WATERLOO (cont.)</td>
<td>(15-26)</td>
<td>Expenditures reported in Canadian dollars were: (15) $1,530,578; (16) $1,733,852; (17) U/A; (18) 0; (19) $3,264,430; (20) $80,110; (21) $2,089,214; (22) $2,833,629; (23) $268,532; (24) $5,191,375; (25) $648,712; (26) $9,184,627.</td>
</tr>
<tr>
<td>WAYNE STATE</td>
<td>(14)</td>
<td>All figures are as of September 30, 1989.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Includes Reuther Archives of Labor and History and College of Pharmacy and Allied Health Professions.</td>
</tr>
<tr>
<td></td>
<td>(21)</td>
<td>Includes 7 professional and 5 student assistant FTE on grant funding.</td>
</tr>
<tr>
<td></td>
<td>(23)</td>
<td>Included in Monographs Expenditures (15) and Serials Expenditures (16).</td>
</tr>
<tr>
<td></td>
<td>(25)</td>
<td>Includes one-time grant fund allocation of $154,875 for retrospective conversion.</td>
</tr>
<tr>
<td></td>
<td>(26)</td>
<td>Includes one-time grant fund allocation of $48,096 for retrospective conversion.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Includes one-time grant fund allocation of $75,568 for retrospective conversion.</td>
</tr>
<tr>
<td>WESTERN ONTARIO</td>
<td>(1)</td>
<td>Includes one-time expenditure of grant funds ($278,539) for retrospective conversion.</td>
</tr>
<tr>
<td></td>
<td>(17)</td>
<td>Excludes libraries of 3 affiliated colleges and School of Library and Information Science.</td>
</tr>
<tr>
<td></td>
<td>(21,22)</td>
<td>All figures are as of April 30, 1989.</td>
</tr>
<tr>
<td></td>
<td>(15-26)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Included in Monographs Expenditures (15).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Professional and non-professional salaries and wages cannot be separated.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Expenditures reported in Canadian dollars were: (15) $2,116,450; (16) $2,383,054; (17) U/A; (18) $62,352; (19) $4,561,856; (20) $191,679; (21) U/A; (22) U/A; (23) $722,125; (24) $6,996,485; (25) $496,435; (26) $12,246,455.</td>
</tr>
<tr>
<td>Institution</td>
<td>Category from Main Tables</td>
<td>Notes</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>WISCONSIN</td>
<td>(1)</td>
<td>Includes maps.</td>
</tr>
<tr>
<td></td>
<td>(5-7)</td>
<td>Includes some government document serials which are cataloged.</td>
</tr>
<tr>
<td>YALE</td>
<td>(1-4)</td>
<td>Includes Lewis-Walpole Library in Farmington, Connecticut.</td>
</tr>
<tr>
<td></td>
<td>(5-7)</td>
<td>Excludes typewritten, handwritten, and mimeographed works (treated as manuscript materials).</td>
</tr>
<tr>
<td></td>
<td>(5,6)</td>
<td>Excludes newspapers.</td>
</tr>
<tr>
<td></td>
<td>(7)</td>
<td>Estimated figures.</td>
</tr>
<tr>
<td></td>
<td>(14)</td>
<td>1987-88 figure revised.</td>
</tr>
<tr>
<td></td>
<td>(25,26)</td>
<td>1987-88 figure of 668 was incorrectly printed as 868 in 1987-88 Statistics.</td>
</tr>
<tr>
<td>YORK</td>
<td>(25)</td>
<td>Includes one-time automation expenditure of $462,000.</td>
</tr>
<tr>
<td></td>
<td>(15-26)</td>
<td>Number of full-time instructional faculty excludes Medical School.</td>
</tr>
</tbody>
</table>

All figures are as of April 30, 1989.

Includes Glendon Campus.

Includes bibliographic utilities ($185,689 Can.) and online searching ($24,799 Can.).

Expenditures reported in Canadian dollars were: (15) $1,366,188; (16) $1,802,834; (17) $132,190; (18) $150,825; (19) $3,452,037; (20) $227,166; (21) $2,493,910; (22) $3,134,882; (23) $700,199; (24) $6,328,991; (25) $1,159,691; (26) $11,167,885.