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AUTHOR Reed-Scott, Jutta, Comp.; And Others
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ABSTRACT

This document presents data from 115 U.S. and Canadian research libraries that were members of the Association of Research Libraries (ARL) during the 1993-94 fiscal year. The Preservation Statistics questionnaire which is included is designed to yield statistical information on the current level of preservation efforts in research libraries, and on the key organizational, functional, and fiscal components that characterize preservation programs. The report is divided into three parts. In the first section, summary data tables display the aggregated statistics describing the current level of preservation efforts in ARL libraries. The tables show statistics for: personnel; expenditures; conservation and preservation treatment; and preservation microfilming. The second section provides an analysis of the core data for all reporting ARL libraries. The key organizational, functional, and fiscal components that characterize preservation programs in ARL libraries and that distinguish between program levels are analyzed. The third section is an analysis of core data based on size of collection. A copy of the annual questionnaire and footnotes to the 1993-94 Statistics are also provided. (Author/AEF)

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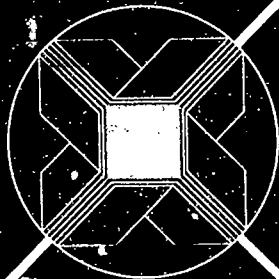
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ARL PRESERVATION STATISTICS

1993-94

A Compilation of Statistics
from the Members of the
Association of Research Libraries



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ASSOCIATION OF RESEARCH LIBRARIES
WASHINGTON, DC
1995

**ARL
PRESERVATION
STATISTICS**

1993-94

**A Compilation of Statistics
from the Members of the
Association of Research Libraries**

Compiled by

Jutta Reed-Scott

Martha Kyrillidou

and

Kaylyn E. Hipps

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Table of Contents

| | |
|--|----|
| Introduction | 5 |
| Part I: Summary Data Tables | |
| Table I: Personnel (FTE) | 11 |
| Table II: Expenditures (in dollars)..... | 14 |
| Table III: Conservation Treatment..... | 20 |
| Table IV: Preservation Treatment | 27 |
| Table V: Preservation Microfilming | 30 |
| | |
| Part II: Analysis of Core Data for All Reporting ARL Libraries | 37 |
| | |
| Part III: Analysis of Core Data by Size of Collection..... | 43 |
| | |
| ARL Preservation Statistics Questionnaire, 1993-94 | 47 |
| | |
| Footnotes to the ARL Preservation Statistics, 1993-94 | 59 |

Introduction

The 1993-94 *ARL Preservation Statistics* presents data from 115 U.S. and Canadian research libraries that were members of the Association of Research Libraries during the 1993-94 fiscal year.¹ The ARL membership consists of 108 university libraries and 11 public or private, independent research libraries.

The 1993-1994 Preservation Statistics questionnaire is designed to yield statistical information on the current level of preservation efforts in research libraries, and on the key organizational, functional, and fiscal components that characterize preservation programs.

Among the significant developments that took place in research libraries in the 1980s was the emergence of preservation programs, configured as distinct administrative units, separately staffed, funded, and administered. Since 1987-88 the number of programs managed by a preservation administrator has grown steadily from 76 to 92 in 1993-94. That development was accompanied by significant growth in preservation expenditures and staffing across the ARL membership. The 1993-94 data show that this expansion has halted. For the past two years, preservation expenditures have levelled off. Preservation expenditures for ARL's 115 reporting member libraries as a whole were \$77,674,363, a small increase over last year's expenditures. Total professional and support personnel also showed only minimal growth. Preservation activities for ARL's 115 libraries as a whole increased slightly. Most of the growth was reported in the category of minor treatments, while the number of more complex and time-consuming procedures declined.

Preservation microfilming production continued to grow. In 1988, the National Endowment for the Humanities began a multi-year, expanded cooperative preservation microfilming program. Since then, ARL libraries have participated extensively in that program. University libraries in the aggregate reported that special grants from external sources accounted for about 12 percent of the total preservation expenditures. Grant funds were expended predominantly on preservation microfilming projects. The chart on page 6 shows that ARL member libraries preserved 127,650 volumes on microfilm. One notable trend over the past six years is greater reliance on contract filming services. The counts for inhouse production of preservation microfilm masters have steadily declined as use of outside film laboratories has expanded.

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

Most of the data contained in this publication are descriptive indices of preservation activities in research libraries, including preservation staffs and expenditures, and productivity. The data are also

¹ The Newberry Library withdrew from membership in the Association of Research Libraries in January 1993. This library's data are included in the preservation statistics prior to 1992-93. The University of Alberta, Howard University, University of Iowa, and the Canada Institute for Scientific and Technical Information (CISTI) were unable to report their data to the 1993-94 *ARL Preservation Statistics*.

SUMMARY OF PRESERVATION DATA

1988/89 - 1993/94

| Category | 1988/89 | 1989/90 | 1990/91 | 1991/92 | 1992/93 | 1993/94 | |
|---|--|--|---|--|--|---|--|
| No. of Institutions Reporting | 107 | 115 | 117 | 119 | 114 | 115 | |
| No. of Preservation Administrators | 76 | 86 | 90 | 95 | 91 | 92 | |
| Total Staff Library-wide Engaged in Preservation Activities | 1,620.52 | 1,760.73 | 1,744.34 | 1,867 | 1,841.99 | 1,900.20 | |
| Total Preservation Expenditures | \$60,714,802 | \$66,045,392 | \$70,705,449 | \$76,550,655 | \$76,793,364 | \$77,674,363 | |
| Conservation Treatment (volumes) | Contract: Minor: 2,336 Interim: 8,393 Major: 4,623 In-house: Minor: 658,711 Interim: 176,901 Major: 17,113 Total contract: 16,801 Total in-house: 888,868 | Contract: Level 1: 5,162 Level 2: 4,906 Level 3: 3,090 In-house: Level 1: 682,735 Level 2: 272,464 Level 3: 32,233 Total contract: 15,697 Total in-house: 987,432 | Contract: Level 1: 3,970 Level 2: 2,317 Level 3: 2,376 In-house: Level 1: 668,597 Level 2: 271,508 Level 3: 16,253 Total contract: 8,717 Total in-house: 956,358 | Contract: Level 1: 2,979 Level 2: 7,957 Level 3: 2,794 In-house: Level 1: 1,035,955 Level 2: 257,934 Level 3: 21,665 Total contract: 18,029 Total in-house: 1,316,757 | Contract: Level 1: 4,756 Level 2: 3,826 Level 3: 3,208 In-house: Level 1: 664,860 Level 2: 262,022 Level 3: 21,033 Total contract: 12,278 Total in-house: 952,097 | Contract: Level 1: 2,703 Level 2: 3,054 Level 3: 3,028 In-house: Level 1: 680,602 Level 2: 243,421 Level 3: 20,701 Total contract: 8,424 Total in-house: 982,830 | Titles: 106,733 Volumes: 127,650 Exposures: 29,900,149 |
| Microfilming | Titles: 75,198 Volumes: 60,502 Exposures: 18,254,133 | Titles: 68,904 Volumes: 92,093 Exposures: 23,687,873 | Titles: 77,740 Volumes: 123,233 Exposures: 28,264,637 | Titles: 93,052 Volumes: 204,934 Exposures: 28,892,445 | Titles: 104,818 Volumes: 124,455 Exposures: 32,844,044 | Titles: 106,733 Volumes: 127,650 Exposures: 29,900,149 | |

useful in determining the organization of preservation units and the components of preservation programs. Each library's total expenditures and materials expenditures, as reported in the 1993-94 *ARL Statistics*, are displayed in the tables together with the percentage of preservation expenditures.

Those using the *ARL Preservation Statistics* to compare activities in individual institutions will need to consult the definitions used in the instructions as well as the "Footnotes to the ARL Preservation Statistics." Although the definitions and procedures used in the Preservation Statistics questionnaire aim at achieving consistency, variant reporting practices do exist among ARL libraries. Care should be used in comparing this year's data to data collected in the previous years. Four libraries that were included in previous reports did not report their 1993-94 data.

The report is divided into three parts: Summary Data Tables, Analysis of Core Data for All Reporting ARL Libraries, and Analysis of Core Data Based on Size of Collection.

Part I: Summary Data Tables displays the aggregated statistics describing the current level of preservation efforts in ARL libraries. The data tables contain statistics from all respondents for five major data categories.

Part II: Analysis of Core Data for All Reporting ARL Libraries provides analysis of the responses without displaying the data from individual libraries. The analysis includes data from all reporting university and nonuniversity libraries. The key organizational, functional, and fiscal components that characterize preservation programs in ARL libraries and that distinguish between program levels are analyzed.

Part III: Analysis of Core Data Based on Size of Collection provides statistical measures in four groupings by size of library.

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

Part I:

Summary Data Tables

TABLE 1: PERSONNEL (FTE)

| INSTITUTION | Pres. Admin. 1 | % Time on Pres. Activ. 2 | Pres. Unit Prof. Staff 3 | Pres. Unit Support Staff 4 | Pres. Unit Student Assist. 5 | Pres. Unit Total Staff 6 | Library Wide Prof. Staff 7 | Library Wide Support Staff 8 | Library Wide Student Assist. 9 | Library Wide Total Staff 10 |
|---------------------------|----------------|--------------------------|--------------------------|----------------------------|------------------------------|--------------------------|----------------------------|------------------------------|--------------------------------|-----------------------------|
| ALABAMA | yes | 50% | .65 | .95 | 1.00 | 2.60 | .65 | 1.31 | 1.50 | 3.46 |
| ALBERTA | . | . | . | . | . | . | . | . | . | . |
| ARIZONA | no | . | .00 | .00 | .00 | .00 | U/A | U/A | U/A | U/A |
| ARIZONA STATE | yes | 100% | 1.00 | 3.20 | 1.20 | 5.40 | 1.00 | 4.15 | 1.20 | 6.35 |
| AUBURN | no | . | .00 | .00 | .00 | .00 | .60 | 9.60 | 2.60 | 12.80 |
| BOSTON | no | . | .00 | .00 | .00 | .00 | .00 | 4.50 | 2.00 | 6.50 |
| BRIGHAM YOUNG | yes | 100% | 6.00 | .00 | 11.50 | 17.50 | 6.00 | .00 | 11.50 | 17.50 |
| BRITISH COLUMBIA | yes | 50% | 1.00 | 1.00 | .00 | 2.00 | 1.36 | 9.34 | .12 | 10.82 |
| BROWN | yes | 100% | 2.00 | 6.00 | 1.50 | 9.50 | 4.00 | 10.00 | 3.00 | 17.00 |
| CALIFORNIA, BERKELEY | yes | 100% | 4.42 | 22.69 | 11.89 | 39.00 | 15.22 | 35.99 | 24.96 | 76.17 |
| CALIFORNIA, DAVIS | yes | 100% | 1.00 | 5.50 | 2.20 | 8.70 | 1.00 | 5.50 | 2.20 | 8.70 |
| CALIFORNIA, IRVINE | yes | 75% | .75 | 5.00 | 4.70 | 10.45 | .75 | 5.00 | 4.70 | 10.45 |
| CALIFORNIA, LOS ANGELES | yes | 100% | 1.00 | .75 | .49 | 2.24 | 1.30 | 6.64 | 5.87 | 13.81 |
| CALIFORNIA, RIVERSIDE | yes | 25% | .25 | .00 | .00 | .25 | .25 | 2.35 | .68 | 3.28 |
| CALIFORNIA, SAN DIEGO | yes | 60% | .00 | .00 | .00 | .00 | 1.24 | 9.48 | 4.10 | 14.82 |
| CALIFORNIA, SANTA BARBARA | yes | 10% | .10 | 5.50 | 2.00 | 7.60 | .10 | 7.50 | 2.50 | 10.10 |
| CASE WESTERN RESERVE | yes | 100% | 1.15 | 2.30 | .00 | 3.45 | 1.25 | 3.83 | .00 | 5.08 |
| CHICAGO | yes | 100% | 2.00 | 7.23 | 2.03 | 11.26 | 3.09 | 17.47 | 4.27 | 24.83 |
| CINCINNATI | yes | 50% | 1.00 | 4.00 | 1.88 | 6.88 | 1.25 | 4.00 | 1.89 | 7.14 |
| COLORADO | yes | 100% | 1.00 | 8.90 | 5.27 | 15.17 | 1.05 | 9.12 | 5.47 | 15.64 |
| COLORADO STATE | yes | 100% | 1.00 | 6.00 | 1.00 | 8.00 | 1.30 | 6.00 | 1.00 | 8.30 |
| COLUMBIA | yes | 100% | 6.00 | 26.60 | 7.50 | 40.10 | 9.10 | 30.20 | 9.30 | 48.60 |
| CONNECTICUT | yes | 100% | 2.00 | 4.70 | 5.00 | 11.70 | 2.40 | 6.40 | 6.90 | 15.70 |
| CORNELL | yes | 100% | 8.40 | 25.00 | 3.27 | 36.67 | 8.41 | 28.10 | 3.52 | 40.03 |
| DARTMOUTH | no | . | .00 | .00 | .00 | .00 | 2.00 | 6.50 | .50 | 9.00 |
| DELAWARE | yes | 100% | 1.00 | 5.00 | 7.11 | 13.11 | 1.25 | 5.75 | 7.36 | 14.36 |
| DUKE | no | . | .00 | 1.00 | 1.40 | 2.40 | .71 | 11.40 | 4.60 | 16.71 |
| EMORY | yes | 100% | 2.00 | 1.25 | 3.14 | 6.39 | 2.30 | 5.88 | 4.31 | 12.49 |
| FLORIDA | yes | 100% | 4.00 | 7.00 | 4.25 | 15.25 | 4.00 | 9.35 | 4.75 | 18.10 |
| FLORIDA STATE | yes | 10% | .00 | .00 | .00 | .00 | 1.85 | 5.10 | .00 | 6.95 |
| GEORGETOWN | yes | 100% | 1.00 | 2.00 | .25 | 3.25 | 1.20 | 7.00 | 1.00 | 9.20 |
| GEORGIA | no | . | .00 | .00 | .00 | .00 | 2.20 | 10.30 | 5.00 | 17.50 |
| GEORGIA TECH | no | . | .00 | .00 | .00 | .00 | .30 | 2.00 | .20 | 2.50 |
| GUELPH | no | . | .00 | .00 | .00 | .00 | .50 | 3.20 | 1.00 | 4.70 |
| HARVARD | yes | 100% | 18.46 | 53.50 | 9.76 | 81.72 | 22.16 | 62.61 | 16.21 | 100.98 |
| HAWAII | yes | 100% | 2.00 | 5.00 | 6.00 | 13.00 | 2.00 | 7.00 | 7.00 | 16.00 |
| HOUSTON | no | . | .00 | .00 | .00 | .00 | .30 | 3.20 | 8.00 | 11.50 |
| HOWARD | . | . | . | . | . | . | . | . | . | . |
| ILLINOIS, CHICAGO | no | . | .00 | .00 | .00 | .00 | .00 | 3.20 | .35 | 3.55 |
| ILLINOIS, URBANA | yes | 100% | 2.00 | 2.82 | 1.54 | 6.36 | 7.80 | 7.67 | 6.23 | 21.70 |
| INDIANA | yes | 100% | 3.00 | 7.59 | 2.79 | 13.38 | 7.55 | 14.86 | 6.54 | 28.95 |
| IOWA | . | . | . | . | . | . | . | . | . | . |
| IOWA STATE | yes | 100% | 1.00 | 2.50 | 1.60 | 5.10 | 1.00 | 2.50 | 1.60 | 5.10 |
| JOHNS HOPKINS | yes | 100% | 2.00 | 6.10 | 1.20 | 9.30 | 2.02 | 7.20 | 16.20 | 25.42 |
| KANSAS | no | . | .00 | .00 | .00 | .00 | 1.11 | 5.02 | 6.37 | 12.50 |

TABLE 1: PERSONNEL (FTE)

| INSTITUTION | Pres. Admin. 1 | % Time on Pres. Activ. 2 | Pres. Unit Prof. Staff 3 | Pres. Unit Support Staff 4 | Pres. Unit Student Assist. 5 | Pres. Unit Total Staff 6 | Library Wide Prof. Staff 7 | Library Wide Support Staff 8 | Library Wide Student Assist. 9 | Library Wide Total Staff 10 |
|----------------------|----------------|--------------------------|--------------------------|----------------------------|------------------------------|--------------------------|----------------------------|------------------------------|--------------------------------|-----------------------------|
| KENT STATE | no | . | .00 | .00 | .00 | .00 | .00 | 3.00 | 1.00 | 4.00 |
| KENTUCKY | yes | 100% | 1.04 | 7.31 | 4.64 | 12.97 | 1.94 | 12.11 | 7.84 | 21.89 |
| LAVAL | yes | 100% | 1.00 | 7.00 | .00 | 8.00 | 1.20 | 7.00 | .30 | 8.50 |
| LOUISIANA STATE | yes | 100% | 1.00 | 1.50 | 1.00 | 3.50 | 1.00 | 7.60 | 4.25 | 12.85 |
| MCGILL | yes | 10% | .10 | .00 | .50 | .60 | .10 | 1.00 | .50 | 1.60 |
| MCMASTER | yes | 100% | 1.00 | 2.00 | .25 | 3.25 | 1.00 | 3.00 | .75 | 4.75 |
| MANITOBA | yes | 100% | 1.00 | 4.00 | .00 | 5.00 | 1.00 | 5.50 | .00 | 6.50 |
| MARYLAND | yes | 100% | 2.00 | 4.00 | 6.50 | 12.50 | 2.00 | 6.35 | 9.00 | 17.35 |
| MASSACHUSETTS | no | . | .00 | .00 | .00 | .00 | .20 | 3.11 | 1.59 | 4.90 |
| MIT | yes | 50% | 2.10 | 2.90 | 1.80 | 6.80 | 4.20 | 4.00 | 3.60 | 11.80 |
| MIAMI | yes | 5% | .00 | .00 | .00 | .00 | .58 | 10.60 | 4.75 | 15.93 |
| MICHIGAN | yes | 100% | 5.00 | 20.20 | 4.70 | 29.90 | U/A | U/A | U/A | U/A |
| MICHIGAN STATE | yes | 100% | 1.40 | 4.40 | 3.90 | 9.70 | 2.00 | 4.90 | 4.30 | 11.20 |
| MINNESOTA | yes | 50% | .50 | .35 | .50 | 1.35 | 2.75 | 9.80 | 5.95 | 18.50 |
| MISSOURI | yes | 5% | .05 | 4.00 | 1.65 | 5.70 | .56 | 4.50 | 1.90 | 6.96 |
| NEBRASKA | yes | 50% | .50 | 7.00 | 1.50 | 9.00 | 2.00 | 9.50 | 2.00 | 13.50 |
| NEW MEXICO | no | . | .00 | .00 | .00 | .00 | 2.20 | 6.50 | 6.50 | 15.20 |
| NEW YORK | yes | 100% | 3.05 | 7.00 | 3.03 | 13.08 | 7.16 | 13.38 | 10.50 | 31.04 |
| NORTH CAROLINA | yes | 10% | U/A | U/A | U/A | U/A | 3.38 | 13.00 | 8.50 | 24.88 |
| NORTH CAROLINA STATE | no | . | .00 | .00 | .00 | .00 | .76 | 6.19 | 2.40 | 9.35 |
| NORTHWESTERN | yes | 100% | 3.50 | 6.50 | 9.29 | 19.29 | 4.40 | 11.46 | 12.56 | 28.42 |
| NOTRE DAME | yes | 100% | 2.00 | 5.75 | 2.00 | 9.75 | 2.00 | 7.00 | 2.50 | 11.50 |
| OHIO STATE | yes | 100% | 3.00 | 6.30 | 2.20 | 11.50 | 4.30 | 13.60 | 5.90 | 23.80 |
| OKLAHOMA | yes | 15% | .15 | .00 | .50 | .65 | .23 | .45 | .63 | 1.31 |
| OKLAHOMA STATE | yes | 15% | .15 | .00 | .00 | .15 | .50 | 2.95 | 2.20 | 5.65 |
| OREGON | yes | 100% | .00 | 5.50 | 2.50 | 8.00 | 1.20 | 9.56 | 6.29 | 17.05 |
| PENNSYLVANIA | no | . | .00 | .00 | .00 | .00 | 3.75 | 8.25 | 12.00 | 24.00 |
| PENNSYLVANIA STATE | yes | 100% | 1.00 | 2.50 | .00 | 3.50 | 1.10 | 12.85 | .25 | 14.20 |
| PITTSBURGH | yes | 100% | 1.00 | 3.00 | .75 | 4.75 | 1.00 | 3.50 | 1.00 | 5.50 |
| PRINCETON | yes | 100% | 5.00 | 5.50 | 3.00 | 13.50 | 7.83 | 11.50 | 4.33 | 23.66 |
| PURDUE | yes | 10% | .10 | .00 | .00 | .10 | .15 | 5.30 | .20 | 5.65 |
| QUEEN'S | yes | 25% | .25 | 2.00 | .00 | 2.25 | .25 | 2.00 | .00 | 2.25 |
| RICE | yes | 30% | .30 | 1.00 | .33 | 1.63 | .35 | 4.03 | .66 | 5.04 |
| ROCHESTER | yes | 100% | 2.30 | 4.70 | 2.20 | 9.20 | 2.40 | 5.90 | 3.10 | 11.40 |
| RUTGERS | yes | 50% | .50 | .00 | .00 | .50 | 1.57 | 5.92 | 5.54 | 13.03 |
| SASKATCHEWAN | yes | 33% | .00 | 4.30 | .00 | 4.30 | .25 | 5.00 | .00 | 5.25 |
| SOUTH CAROLINA | no | . | .00 | .00 | .00 | .00 | 1.50 | 4.50 | 6.00 | 12.00 |
| SOUTHERN CALIFORNIA | yes | 100% | 1.00 | 2.00 | 1.00 | 4.00 | 1.10 | 2.70 | 1.20 | 5.00 |
| SOUTHERN ILLINOIS | yes | 100% | 1.00 | 1.00 | 5.20 | 7.20 | 1.50 | 2.60 | 7.90 | 12.00 |
| STANFORD | yes | 100% | 5.00 | 13.80 | 4.23 | 23.03 | 6.24 | 18.88 | 5.87 | 30.99 |
| SUNY-ALBANY | yes | 100% | 2.00 | .80 | 1.20 | 4.00 | 2.25 | 3.30 | 1.45 | 7.00 |
| SUNY-BUFFALO | yes | 100% | 4.00 | .00 | 1.60 | 5.60 | 7.40 | 4.50 | 6.80 | 18.70 |
| SUNY-STONY BROOK | yes | 100% | 1.00 | 2.00 | 1.00 | 4.00 | 1.00 | 3.50 | 1.00 | 5.50 |
| SYRACUSE | yes | 100% | 2.00 | 6.00 | .00 | 8.00 | 2.10 | 6.20 | .50 | 8.80 |
| TEMPLE | no | . | .00 | .00 | .00 | .00 | 3.05 | 4.85 | .75 | 8.65 |

TABLE 1: PERSONNEL (FTE)

| INSTITUTION | Pres. Admin. 1 | % Time on Pres. Activ. 2 | Pres. Unit Prof. Staff 3 | Pres. Unit Support Staff 4 | Pres. Unit Student Assist. 5 | Pres. Unit Total Staff 6 | Library Wide Prof. Staff 7 | Library Wide Support Staff 8 | Library Wide Student Assist. 9 | Library Wide Total Staff 10 |
|---------------------------|----------------|--------------------------|--------------------------|----------------------------|------------------------------|--------------------------|----------------------------|------------------------------|--------------------------------|-----------------------------|
| TENNESSEE | yes | 100% | .00 | .00 | .00 | .00 | 1.70 | 8.50 | 1.70 | 11.90 |
| TEXAS | yes | 100% | 12.38 | 14.38 | 1.35 | 28.11 | 14.96 | 32.70 | 2.68 | 50.34 |
| TEXAS A&M | yes | 25% | .25 | 1.00 | .25 | 1.50 | .60 | 6.50 | 4.25 | 11.35 |
| TORONTO | yes | 100% | 4.00 | 20.60 | 10.00 | 34.60 | 5.00 | 21.60 | 10.00 | 36.60 |
| TULANE | no | . | .00 | 3.00 | .75 | 3.75 | .25 | 3.58 | 2.06 | 5.89 |
| UTAH | yes | 100% | 1.00 | 7.75 | 3.50 | 12.25 | 1.00 | 7.75 | 3.50 | 12.25 |
| VANDERBILT | yes | 100% | 1.00 | 7.00 | .00 | 8.00 | 1.30 | 9.10 | .19 | 10.59 |
| VIRGINIA | yes | 100% | 1.00 | 5.25 | 2.50 | 8.75 | 1.30 | 6.50 | 3.25 | 11.05 |
| VPI & SU | yes | 20% | .00 | 2.00 | 3.00 | 5.00 | .00 | 2.00 | 3.00 | 5.00 |
| WASHINGTON | yes | 25% | .25 | 2.00 | .75 | 3.00 | .65 | 11.24 | 1.85 | 13.74 |
| WASHINGTON STATE | yes | 25% | .05 | .58 | .00 | .63 | .10 | 5.54 | 1.77 | 7.41 |
| WASHINGTON U.-ST. LOUIS | yes | 100% | 1.00 | 5.00 | 2.00 | 8.00 | 1.00 | 5.00 | 2.00 | 8.00 |
| WATERLOO | yes | 10% | .00 | .00 | .00 | .00 | .30 | 7.50 | .00 | 7.80 |
| WAYNE STATE | no | . | .00 | .00 | .00 | .00 | 1.62 | 3.95 | 1.60 | 7.17 |
| WESTERN ONTARIO | yes | 5% | .05 | .00 | .00 | .05 | .05 | 8.40 | .00 | 8.45 |
| WISCONSIN | yes | 20% | 3.20 | 11.65 | 4.75 | 19.60 | 3.51 | 13.02 | 6.63 | 23.16 |
| YALE | yes | 100% | 7.00 | 36.00 | 7.00 | 50.00 | 9.00 | 44.00 | 10.00 | 63.00 |
| YORK | no | . | .00 | .00 | .00 | .00 | .09 | 3.12 | .70 | 3.91 |
| BOSTON PUBLIC LIBRARY | no | . | .00 | .00 | .00 | .00 | 3.00 | 14.00 | 10.00 | 27.00 |
| CANADA INST. FOR SCITECH. | . | . | . | . | . | . | . | . | . | . |
| CENTER FOR RESEARCH LIBS. | yes | 25% | 1.00 | 1.00 | .00 | 2.00 | 1.60 | 1.60 | 2.80 | 6.00 |
| LIBRARY OF CONGRESS | yes | 100% | 46.00 | 46.50 | .00 | 92.50 | 63.00 | 104.50 | .00 | 167.50 |
| LINDA HALL LIBRARY | yes | 25% | .00 | .00 | .00 | .00 | 2.00 | .50 | .00 | 2.50 |
| NATL. AGRICULTURAL LIB. | no | . | .00 | .00 | .00 | .00 | .15 | .25 | .00 | .40 |
| NATL. LIBRARY OF CANADA | yes | 100% | 3.00 | 2.00 | .30 | 5.30 | 4.00 | 13.00 | .30 | 17.30 |
| NATL. LIBRARY OF MEDICINE | yes | 100% | 6.00 | 6.00 | 3.00 | 15.00 | 7.00 | 6.50 | 3.30 | 16.80 |
| NEW YORK PUBLIC LIBRARY | yes | 100% | 8.00 | 63.00 | .00 | 71.00 | 17.00 | 63.00 | .00 | 80.00 |
| NEW YORK STATE LIBRARY | yes | 100% | 2.50 | 8.75 | .00 | 11.25 | 2.50 | 9.75 | .00 | 12.25 |
| SMITHSONIAN INSTITUTION | yes | 100% | 3.00 | 8.00 | .50 | 11.50 | 3.00 | 8.00 | .50 | 11.50 |

| Type of Library | Pres. Unit Prof. Staff 3 | Pres. Unit Support Staff 4 | Pres. Unit Student Assist. 5 | Pres. Unit Total Staff 6 | Library Wide Prof. Staff 7 | Library Wide Support Staff 8 | Library Wide Student Assist. 9 | Library Wide Total Staff 10 |
|-----------------|--------------------------|----------------------------|------------------------------|--------------------------|----------------------------|------------------------------|--------------------------------|-----------------------------|
| University | | | | | | | | |
| Sum | 163.35 | 489.60 | 204.29 | 857.24 | 255.45 | 887.56 | 415.94 | 1558.95 |
| Nonuniversity | | | | | | | | |
| Sum | 69.50 | 135.25 | 3.80 | 208.55 | 103.25 | 221.10 | 16.90 | 341.25 |
| TOTAL | | | | | | | | |
| Sum | 232.85 | 624.85 | 208.09 | 1065.79 | 358.70 | 1108.66 | 432.84 | 1900.20 |

TABLE II: EXPENDITURES

| INSTITUTION | Total Salaries & Wages 1 | Contract Conserv. 2 | Contract Binding 3 | Contract Preserv. Photocop. 4 | Contract Preserv. Microfilm 5 | Other Contract Expend. 6 | Total Contract Expend. 7 | Supplies 8 |
|---------------------------|-----------------------------|------------------------|-----------------------|----------------------------------|----------------------------------|-----------------------------|-----------------------------|---------------|
| ALABAMA | \$46,429 | \$0 | \$135,997 | \$0 | \$0 | \$0 | \$135,997 | \$4,419 |
| ALBERTA | . | . | . | . | . | . | . | . |
| ARIZONA | \$22,969 | \$2,500 | \$260,519 | \$0 | \$0 | \$0 | \$263,019 | \$26,454 |
| ARIZONA STATE | \$114,300 | \$10,600 | \$189,160 | \$0 | \$0 | \$0 | \$199,760 | \$14,882 |
| AUBURN | \$175,050 | \$0 | \$126,588 | \$0 | \$4,539 | \$0 | \$131,127 | U/A |
| BOSTON | \$151,800 | \$0 | \$176,883 | \$0 | \$0 | \$0 | \$176,883 | \$12,000 |
| BRIGHAM YOUNG | \$235,231 | \$0 | \$169,411 | \$0 | \$0 | \$0 | \$169,411 | \$35,040 |
| BRITISH COLUMBIA | \$248,504 | \$0 | \$187,715 | \$0 | \$36,550 | \$4,165 | \$228,430 | \$5,454 |
| BROWN | \$416,633 | \$18,638 | \$213,101 | \$6,064 | \$16,449 | \$0 | \$254,252 | \$23,222 |
| CALIFORNIA, BERKELEY | \$1,829,938 | \$2,478 | \$848,936 | \$97,750 | \$323,367 | \$59,109 | \$1,331,640 | \$85,504 |
| CALIFORNIA, DAVIS | \$231,626 | \$0 | \$159,335 | \$2,929 | \$14,840 | \$1,116 | \$178,220 | \$7,901 |
| CALIFORNIA, IRVINE | \$233,783 | \$0 | \$193,404 | \$250 | \$3,200 | \$0 | \$196,854 | \$3,500 |
| CALIFORNIA, LOS ANGELES | \$311,603 | \$45,650 | \$419,208 | \$11,114 | \$17,622 | \$7,060 | \$500,654 | \$78,189 |
| CALIFORNIA, RIVERSIDE | \$76,522 | \$0 | \$157,009 | \$1,102 | \$2,044 | \$0 | \$160,155 | \$740 |
| CALIFORNIA, SAN DIEGO | \$353,190 | \$2,808 | \$315,909 | \$285 | \$23,830 | \$0 | \$342,832 | \$30,829 |
| CALIFORNIA, SANTA BARBARA | \$176,000 | \$5,000 | \$226,392 | \$0 | \$0 | \$0 | \$231,392 | \$70,000 |
| CASE WESTERN RESERVE | \$107,827 | \$918 | \$122,793 | \$2,643 | \$0 | \$0 | \$126,354 | \$4,650 |
| CHICAGO | \$521,211 | \$18,898 | \$443,952 | \$8,175 | \$141,326 | \$25,234 | \$637,585 | \$16,841 |
| CINCINNATI | \$252,886 | \$0 | \$147,873 | \$0 | \$280 | \$0 | \$148,153 | \$10,495 |
| COLORADO | \$269,535 | \$0 | \$184,361 | \$1,696 | \$0 | \$146 | \$186,203 | \$1,630 |
| COLORADO STATE | \$216,496 | \$1,496 | \$145,000 | \$9,210 | \$206 | \$0 | \$155,912 | \$6,535 |
| COLUMBIA | \$1,016,020 | \$35,419 | \$643,119 | \$13,575 | \$327,049 | \$5,500 | \$1,024,662 | \$57,739 |
| CONNECTICUT | \$395,421 | \$49,698 | \$232,190 | \$0 | \$0 | \$0 | \$281,888 | \$10,235 |
| CORNELL | \$700,777 | \$0 | \$218,366 | \$27,685 | \$253,362 | \$0 | \$499,413 | \$216,583 |
| DARTMOUTH | \$165,735 | \$670 | \$162,236 | \$0 | \$0 | \$0 | \$162,906 | \$9,312 |
| DELAWARE | \$217,839 | \$3,350 | \$143,954 | \$11,793 | \$15,844 | \$0 | \$174,941 | \$25,990 |
| DUKE | \$265,143 | \$400 | \$239,704 | \$0 | \$0 | \$0 | \$240,104 | \$26,884 |
| EMORY | \$228,738 | \$0 | \$148,029 | \$0 | \$13,993 | \$6,140 | \$168,162 | \$8,197 |
| FLORIDA | \$235,454 | \$9,806 | \$197,823 | \$0 | \$26,856 | \$42,121 | \$276,606 | \$11,608 |
| FLORIDA STATE | \$146,077 | \$0 | \$216,259 | \$0 | \$3,175 | \$0 | \$219,434 | \$4,480 |
| GEORGETOWN | \$216,482 | \$4,750 | \$205,127 | \$86,221 | \$0 | \$0 | \$296,098 | \$15,280 |
| GEORGIA | \$280,263 | \$0 | \$297,644 | \$0 | U/A | \$0 | \$297,643 | \$29,793 |
| GEORGIA TECH | \$42,583 | \$0 | \$78,598 | \$0 | \$950 | \$0 | \$79,548 | \$500 |
| GUELPH | \$4,311 | \$4,083 | \$89,240 | \$0 | \$0 | \$0 | \$93,323 | \$8,769 |
| HARVARD | \$2,195,581 | \$213,172 | \$993,867 | \$119,710 | \$345,758 | \$270,976 | \$1,943,483 | \$169,065 |
| HAWAII | \$345,833 | \$0 | \$239,984 | \$0 | \$7,089 | \$0 | \$247,073 | \$12,078 |
| HOUSTON | \$62,159 | \$0 | \$95,354 | \$0 | \$0 | \$0 | \$95,354 | \$1,711 |
| HOWARD | . | . | . | . | . | . | . | . |
| ILLINOIS, CHICAGO | \$71,625 | \$0 | \$137,180 | \$0 | \$0 | \$0 | \$137,180 | \$7,474 |
| ILLINOIS, URBANA | \$400,145 | \$12,505 | \$237,257 | \$0 | \$124,485 | \$1,594 | \$375,841 | \$46,406 |
| INDIANA | \$542,064 | \$0 | \$272,652 | \$0 | \$3,164 | \$863 | \$276,679 | \$29,366 |
| IOWA | . | . | . | . | . | . | . | . |
| IOWA STATE | \$101,637 | \$5,080 | \$98,682 | \$8,616 | \$0 | \$0 | \$112,378 | \$37,167 |
| JOHNS HOPKINS | \$232,655 | \$0 | \$134,464 | \$278 | \$10,000 | \$30,279 | \$175,021 | \$19,666 |
| KANSAS | \$201,145 | \$0 | \$207,105 | \$16,039 | \$30,635 | \$0 | \$253,779 | \$15,962 |

TABLE II: EXPENDITURES

| Equipment | Total Preserv. Expend. | Preserv. Exp. from External Sources | Library Expend. (from ARL Statistics) | Preserv. as % of Total Library Expend. | Materials Expend. (from ARL Statistics) | Preserv. as % of Total Materials Expend. | INSTITUTION |
|-----------|------------------------|-------------------------------------|---------------------------------------|--|---|--|---------------------------|
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| \$0 | \$186,845 | \$0 | \$8,905,081 | 2% | \$3,317,378 | 6% | ALABAMA |
| . | . | . | \$15,425,722 | . | \$4,916,215 | . | ALBERTA |
| \$0 | \$312,442 | \$0 | \$16,497,643 | 2% | \$6,306,870 | 5% | ARIZONA |
| \$800 | \$329,742 | \$0 | \$17,025,340 | 2% | \$6,663,669 | 5% | ARIZONA STATE |
| \$4,799 | \$310,976 | \$0 | \$8,910,670 | 3% | \$3,801,081 | 8% | AUBURN |
| \$0 | \$340,683 | \$0 | \$11,054,361 | 3% | \$3,841,523 | 9% | BOSTON |
| \$7,000 | \$446,682 | \$0 | \$12,421,409 | 4% | \$4,527,122 | 10% | BRIGHAM YOUNG |
| \$335 | \$482,723 | \$52,622 | \$19,523,225 | 2% | \$6,185,305 | 8% | BRITISH COLUMBIA |
| \$4,418 | \$698,525 | \$0 | \$12,565,530 | 6% | \$3,786,987 | 18% | BROWN |
| \$37,460 | \$3,284,542 | \$781,979 | \$32,498,086 | 10% | \$9,559,943 | 34% | CALIFORNIA, BERKELEY |
| \$0 | \$417,747 | \$6,422 | \$13,787,945 | 3% | \$4,688,058 | 9% | CALIFORNIA, DAVIS |
| \$0 | \$434,137 | \$0 | \$12,534,724 | 3% | \$4,005,699 | 11% | CALIFORNIA, IRVINE |
| \$2,384 | \$892,830 | \$0 | \$29,676,567 | 3% | \$8,955,879 | 10% | CALIFORNIA, LOS ANGELES |
| \$0 | \$237,417 | \$27,351 | \$7,304,558 | 3% | \$2,807,846 | 8% | CALIFORNIA, RIVERSIDE |
| \$1,810 | \$728,661 | \$22,229 | \$15,077,945 | 5% | \$4,745,537 | 15% | CALIFORNIA, SAN DIEGO |
| \$5,000 | \$482,392 | \$0 | \$11,171,957 | 4% | \$3,345,796 | 14% | CALIFORNIA, SANTA BARBARA |
| \$2,917 | \$241,748 | \$0 | \$8,852,750 | 3% | \$3,794,502 | 6% | CASE WESTERN RESERVE |
| \$1,075 | \$1,176,712 | \$273,597 | \$17,875,544 | 7% | \$6,200,721 | 19% | CHICAGO |
| \$0 | \$411,534 | \$0 | \$12,767,348 | 3% | \$5,043,940 | 8% | CINCINNATI |
| \$0 | \$457,368 | \$0 | \$13,206,606 | 3% | \$6,402,328 | 7% | COLORADO |
| \$0 | \$378,943 | \$0 | \$7,831,059 | 5% | \$3,491,081 | 11% | COLORADO STATE |
| \$13,869 | \$2,112,290 | \$861,022 | \$27,915,579 | 8% | \$8,711,720 | 24% | COLUMBIA |
| \$7,811 | \$695,355 | \$12,388 | \$14,630,057 | 5% | \$4,616,248 | 15% | CONNECTICUT |
| \$2,062 | \$1,418,835 | \$764,776 | \$26,480,063 | 5% | \$8,692,678 | 16% | CORNELL |
| \$0 | \$337,953 | \$0 | \$10,580,296 | 3% | \$3,928,607 | 9% | DARTMOUTH |
| \$2,688 | \$421,458 | \$51,818 | \$10,040,679 | 4% | \$4,327,411 | 10% | DELAWARE |
| \$0 | \$532,131 | \$1,000 | \$20,928,982 | 3% | \$7,346,751 | 7% | DUKE |
| \$0 | \$405,097 | \$13,993 | \$18,690,710 | 2% | \$6,425,281 | 6% | EMORY |
| \$0 | \$523,668 | \$14,567 | \$15,779,580 | 3% | \$5,671,794 | 9% | FLORIDA |
| \$0 | \$369,991 | \$0 | \$8,906,140 | 4% | \$4,101,110 | 9% | FLORIDA STATE |
| \$0 | \$527,860 | \$0 | \$14,930,942 | 4% | \$5,072,415 | 10% | GEORGETOWN |
| \$21,100 | \$628,800 | \$0 | \$14,455,400 | 4% | \$5,832,888 | 11% | GEORGIA |
| \$150 | \$122,781 | \$0 | \$6,284,966 | 2% | \$2,846,181 | 4% | GEORGIA TECH |
| \$2,108 | \$198,511 | \$0 | \$6,666,777 | 3% | \$2,383,172 | 8% | GUELPH |
| \$47,183 | \$4,355,312 | \$646,351 | \$63,923,050 | 7% | \$14,378,067 | 30% | HARVARD |
| \$6,119 | \$611,103 | \$0 | \$11,904,522 | 5% | \$4,418,527 | 14% | HAWAII |
| \$0 | \$159,224 | \$0 | \$9,925,683 | 2% | \$4,143,333 | 4% | HOUSTON |
| . | . | . | \$8,744,865 | . | \$3,796,739 | . | HOWARD |
| \$0 | \$216,279 | \$0 | \$12,432,682 | 2% | \$4,162,242 | 5% | ILLINOIS, CHICAGO |
| \$9,202 | \$831,594 | \$177,412 | \$21,534,639 | 4% | \$7,513,611 | 11% | ILLINOIS, URBANA |
| \$11,836 | \$859,945 | \$60,651 | \$21,633,483 | 4% | \$7,707,210 | 11% | INDIANA |
| . | . | . | \$15,094,605 | . | \$5,678,249 | . | IOWA |
| \$5,291 | \$256,473 | \$0 | \$11,174,259 | 2% | \$4,343,507 | 6% | IOWA STATE |
| \$0 | \$427,342 | \$47,951 | \$17,810,895 | 2% | \$6,691,673 | 6% | JOHNS HOPKINS |
| \$0 | \$470,886 | \$2,584 | \$13,696,701 | 3% | \$5,250,698 | 9% | KANSAS |

TABLE II: EXPENDITURES

| INSTITUTION | Total Salaries & Wages 1 | Contract Conserv. 2 | Contract Binding 3 | Contract Preserv. Photocop. 4 | Contract Preserv. Microfilm 5 | Other Contract Expend. 6 | Total Contract Expend. 7 | Supplies 8 |
|----------------------|-----------------------------|------------------------|-----------------------|----------------------------------|----------------------------------|-----------------------------|-----------------------------|---------------|
| KENT STATE | \$64,461 | \$0 | \$91,966 | \$0 | \$0 | U/A | \$91,966 | \$15,000 |
| KENTUCKY | \$311,080 | \$3,505 | \$126,706 | \$0 | \$0 | \$8,733 | \$138,944 | \$32,901 |
| LAVAL | \$214,370 | \$0 | \$81,654 | \$0 | \$38,621 | \$0 | \$120,275 | \$59,167 |
| LOUISIANA STATE | \$123,222 | \$3,254 | \$204,042 | \$0 | \$0 | \$0 | \$207,296 | \$35,336 |
| MCGILL | * | \$0 | \$191,201 | \$0 | \$9,184 | \$164 | \$200,549 | \$0 |
| MCMASTER | \$126,437 | \$0 | \$77,722 | \$0 | \$2,840 | \$0 | \$80,562 | \$24,151 |
| MANITOBA | \$164,032 | \$0 | \$120,468 | \$0 | \$11,441 | \$0 | \$131,909 | \$7,641 |
| MARYLAND | \$225,173 | \$10,263 | \$177,531 | \$0 | \$375 | \$0 | \$188,169 | \$24,480 |
| MASSACHUSETTS | \$91,904 | \$0 | \$144,103 | \$0 | \$1,023 | \$200 | \$145,326 | \$5,348 |
| MIT | \$320,650 | \$4,275 | \$180,903 | \$320 | \$0 | \$0 | \$185,498 | \$12,340 |
| MIAMI | \$238,066 | \$0 | \$146,552 | \$0 | \$29,736 | \$0 | \$176,288 | \$18,604 |
| MICHIGAN | \$657,514 | \$11,931 | \$278,038 | \$15,895 | \$27,443 | \$0 | \$333,307 | \$60,431 |
| MICHIGAN STATE | \$249,837 | \$0 | \$256,349 | \$0 | \$23,408 | \$12,305 | \$292,062 | \$17,909 |
| MINNESOTA | \$452,224 | \$4,658 | \$519,962 | \$35,170 | \$0 | \$0 | \$559,790 | \$5,648 |
| MISSOURI | \$91,332 | \$0 | \$119,005 | \$0 | \$0 | \$0 | \$119,005 | \$7,811 |
| NEBRASKA | \$279,052 | \$0 | \$155,020 | \$0 | \$0 | \$9,814 | \$164,834 | \$22,258 |
| NEW MEXICO | \$271,275 | \$0 | \$168,707 | \$5,440 | \$5,994 | \$0 | \$180,141 | \$17,200 |
| NEW YORK | \$605,212 | \$5,168 | \$434,432 | \$7,347 | \$20,191 | \$3,000 | \$470,138 | \$25,114 |
| NORTH CAROLINA | \$450,800 | \$3,432 | \$211,919 | U/A | U/A | U/A | \$215,348 | \$35,961 |
| NORTH CAROLINA STATE | \$176,450 | \$0 | \$121,546 | \$0 | \$0 | \$0 | \$121,546 | \$2,500 |
| NORTHWESTERN | \$434,387 | \$9,131 | \$198,991 | \$19,681 | \$58,469 | \$22,449 | \$308,721 | \$41,358 |
| NOTRE DAME | \$209,678 | \$0 | \$102,289 | \$3,310 | \$169,795 | \$4,805 | \$280,199 | \$25,300 |
| OHIO STATE | \$497,502 | \$6,894 | \$268,130 | \$33,449 | \$9,381 | \$2,406 | \$320,260 | \$14,295 |
| OKLAHOMA | * | \$0 | \$93,533 | \$850 | \$0 | \$0 | \$94,383 | \$2,864 |
| OKLAHOMA STATE | \$80,832 | \$0 | \$81,048 | \$0 | \$0 | \$0 | \$81,048 | \$3,156 |
| OREGON | \$247,228 | \$0 | \$143,638 | \$0 | \$0 | \$0 | \$143,638 | \$87,128 |
| PENNSYLVANIA | \$378,170 | \$6,882 | \$301,746 | \$0 | \$1,119 | \$0 | \$309,747 | \$14,291 |
| PENNSYLVANIA STATE | \$183,811 | \$5,726 | \$476,333 | \$0 | \$29,789 | \$81,525 | \$593,373 | \$25,233 |
| PITTSBURGH | \$103,474 | \$12,847 | \$326,982 | \$23,295 | \$2,000 | \$991 | \$366,115 | \$5,000 |
| PRINCETON | \$616,744 | \$14,834 | \$480,744 | \$34,926 | \$230,663 | \$100 | \$761,267 | \$84,650 |
| PURDUE | \$108,587 | \$2,400 | \$134,366 | \$0 | \$2,991 | \$0 | \$139,757 | \$0 |
| QUEEN'S | * | \$0 | \$138,011 | \$0 | \$0 | \$13,988 | \$151,998 | \$3,737 |
| RICE | \$99,387 | \$0 | \$85,373 | \$0 | \$0 | \$0 | \$85,373 | \$6,882 |
| ROCHESTER | \$215,225 | \$7,300 | \$156,771 | \$11,190 | \$8,663 | \$55,947 | \$239,871 | \$18,979 |
| RUTGERS | \$254,764 | \$0 | \$315,896 | \$0 | \$0 | \$0 | \$315,896 | \$6,532 |
| SASKATCHEWAN | \$106,699 | \$0 | \$49,667 | \$0 | \$0 | \$0 | \$49,667 | \$0 |
| SOUTH CAROLINA | \$142,000 | \$0 | \$151,062 | \$0 | \$10,000 | \$0 | \$161,062 | \$22,000 |
| SOUTHERN CALIFORNIA | \$124,612 | \$0 | \$215,352 | \$0 | \$23,787 | \$0 | \$239,139 | \$37,226 |
| SOUTHERN ILLINOIS | \$140,960 | \$0 | \$172,000 | \$0 | \$0 | \$0 | \$172,000 | \$12,926 |
| STANFORD | \$923,857 | \$4,331 | \$487,823 | \$350 | \$235,506 | \$0 | \$728,010 | \$34,075 |
| SUNY-ALBANY | \$150,838 | \$271 | \$89,604 | \$4,564 | \$4,263 | \$2,095 | \$100,797 | \$3,173 |
| SUNY-BUFFALO | \$455,199 | \$0 | \$160,496 | \$0 | \$0 | \$1,034 | \$161,530 | \$24,674 |
| SUNY-STONY BROOK | \$107,456 | \$0 | \$19,996 | \$3,000 | \$2,000 | \$0 | \$24,996 | \$7,469 |
| SYRACUSE | \$175,301 | \$0 | \$85,262 | \$0 | \$0 | \$2,470 | \$87,732 | \$13,970 |
| TEMPLE | \$203,085 | \$0 | \$153,674 | \$500 | \$0 | \$0 | \$154,174 | \$3,988 |

* Salary figures are not reported when fewer than four individuals involved.

TABLE II: EXPENDITURES

| Equipment | Total Preserv. Expend. | Preserv. Exp. from External Sources | Library Expend. (from ARL Statistics) | Preserv. as % of Total Library Expend. | Materials Expend. (from ARL Statistics) | Preserv. as % of Total Materials Expend. | INSTITUTION |
|-----------|------------------------|-------------------------------------|---------------------------------------|--|---|--|----------------------|
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| \$0 | \$171,427 | \$0 | \$8,646,169 | 2% | \$2,640,219 | 6% | KENT STATE |
| \$3,325 | \$486,250 | \$0 | \$11,150,830 | 4% | \$4,138,895 | 12% | KENTUCKY |
| \$0 | \$393,812 | \$38,621 | \$11,931,933 | 3% | \$3,901,055 | 10% | LAVAL |
| \$2,018 | \$367,872 | \$0 | \$8,924,642 | 4% | \$2,978,662 | 12% | LOUISIANA STATE |
| \$0 | \$236,903 | \$1,457 | \$13,704,719 | 2% | \$4,130,179 | 6% | MCGILL |
| \$6,071 | \$237,221 | \$8,051 | \$8,884,630 | 3% | \$3,482,962 | 7% | MCMASTER |
| \$0 | \$303,582 | \$0 | \$9,277,830 | 3% | \$2,751,575 | 11% | MANITOBA |
| \$19,500 | \$457,322 | \$0 | \$14,473,453 | 3% | \$4,495,534 | 10% | MARYLAND |
| \$0 | \$242,578 | \$49,283 | \$10,316,926 | 2% | \$3,327,015 | 7% | MASSACHUSETTS |
| \$27,440 | \$545,928 | \$0 | \$11,660,608 | 5% | \$3,717,766 | 15% | MIT |
| \$50 | \$433,008 | \$0 | \$13,105,722 | 3% | \$5,007,379 | 9% | MIAMI |
| \$9,022 | \$1,060,274 | \$161,391 | \$30,252,302 | 4% | \$10,664,110 | 10% | MICHIGAN |
| \$1,128 | \$560,936 | \$34,137 | \$13,078,052 | 4% | \$4,679,271 | 12% | MICHIGAN STATE |
| \$3,000 | \$1,020,662 | \$103,790 | \$23,869,764 | 4% | \$8,065,114 | 13% | MINNESOTA |
| \$0 | \$218,148 | \$3,068 | \$9,704,964 | 2% | \$3,767,771 | 6% | MISSOURI |
| \$2,426 | \$468,570 | \$0 | \$9,445,174 | 5% | \$3,925,855 | 12% | NEBRASKA |
| \$0 | \$468,616 | \$108,598 | \$14,453,182 | 3% | \$4,315,339 | 11% | NEW MEXICO |
| \$13,929 | \$1,114,393 | \$241,070 | \$23,848,785 | 5% | \$6,849,538 | 16% | NEW YORK |
| \$65,197 | \$767,309 | \$68,432 | \$20,744,310 | 4% | \$7,446,495 | 10% | NORTH CAROLINA |
| \$200 | \$300,696 | \$0 | \$11,986,206 | 3% | \$4,615,933 | 7% | NORTH CAROLINA STATE |
| \$2,283 | \$786,749 | \$139,548 | \$16,119,684 | 5% | \$5,520,891 | 14% | NORTHWESTERN |
| \$6,000 | \$521,177 | \$247,756 | \$9,994,220 | 5% | \$4,284,425 | 12% | NOTRE DAME |
| \$0 | \$832,057 | \$26,046 | \$18,917,677 | 4% | \$6,626,478 | 13% | OHIO STATE |
| \$0 | \$114,446 | \$0 | \$8,795,406 | 1% | \$3,769,255 | 3% | OKLAHOMA |
| \$1,083 | \$166,119 | \$1,083 | \$8,085,159 | 2% | \$2,729,135 | 6% | OKLAHOMA STATE |
| \$0 | \$477,994 | \$0 | \$10,354,162 | 5% | \$4,512,652 | 11% | OREGON |
| \$0 | \$702,208 | \$63,265 | \$20,655,506 | 3% | \$6,903,926 | 10% | PENNSYLVANIA |
| \$196 | \$802,613 | \$48,015 | \$23,031,780 | 3% | \$7,715,741 | 10% | PENNSYLVANIA STATE |
| \$1,000 | \$475,589 | \$0 | \$17,151,635 | 3% | \$6,745,752 | 7% | PITTSBURGH |
| \$26,606 | \$1,489,267 | \$263,382 | \$22,859,857 | 7% | \$7,687,612 | 19% | PRINCETON |
| \$0 | \$248,344 | \$9,139 | \$10,414,675 | 2% | \$3,998,423 | 6% | PURDUE |
| \$0 | \$212,680 | \$0 | \$9,061,422 | 2% | \$3,380,886 | 6% | QUEEN'S |
| \$0 | \$191,642 | \$0 | \$9,050,797 | 2% | \$3,942,635 | 5% | RICE |
| \$24,424 | \$498,499 | \$184,782 | \$10,055,711 | 5% | \$3,992,899 | 12% | ROCHESTER |
| \$1,006 | \$578,198 | \$98,998 | \$22,673,554 | 3% | \$6,835,251 | 8% | RUTGERS |
| \$0 | \$156,366 | \$0 | \$7,789,282 | 2% | \$3,285,584 | 5% | SASKATCHEWAN |
| \$0 | \$325,062 | \$77,023 | \$10,548,997 | 3% | \$3,795,575 | 9% | SOUTH CAROLINA |
| \$3,122 | \$404,099 | \$2,598 | \$17,780,180 | 2% | \$6,191,999 | 7% | SOUTHERN CALIFORNIA |
| \$0 | \$325,886 | \$0 | \$9,507,823 | 3% | \$3,689,890 | 9% | SOUTHERN ILLINOIS |
| \$37,654 | \$1,723,596 | \$241,657 | \$35,630,950 | 5% | \$11,066,524 | 16% | STANFORD |
| \$4,142 | \$258,950 | \$102,040 | \$8,697,243 | 3% | \$3,186,770 | 8% | SUNY-ALBANY |
| \$5,417 | \$646,820 | \$102,690 | \$12,641,639 | 5% | \$4,572,276 | 14% | SUNY-BUFFALO |
| \$2,845 | \$142,766 | \$102,690 | \$10,471,053 | 1% | \$3,895,457 | 4% | SUNY-STONY BROOK |
| \$11,022 | \$288,025 | \$86,014 | \$9,751,753 | 3% | \$3,287,025 | 9% | SYRACUSE |
| \$0 | \$361,247 | \$7,401 | \$10,962,486 | 3% | \$3,863,977 | 9% | TEMPLE |

TABLE II: EXPENDITURES

| INSTITUTION | Total Salaries & Wages 1 | Contract Conserv. 2 | Contract Binding 3 | Contract Preserv. Photocop. 4 | Contract Preserv. Microfilm 5 | Other Contract Expend. 6 | Total Contract Expend. 7 | Supplies 8 |
|---------------------------|-----------------------------|------------------------|-----------------------|----------------------------------|----------------------------------|-----------------------------|-----------------------------|---------------|
| TENNESSEE | \$227,567 | \$0 | \$161,082 | \$0 | \$9,641 | \$0 | \$170,723 | \$2,027 |
| TEXAS | \$905,696 | \$5,000 | \$204,849 | \$136 | \$148,489 | \$20,000 | \$378,474 | \$58,996 |
| TEXAS A&M | \$150,081 | \$0 | \$119,976 | \$0 | \$0 | \$0 | \$119,976 | \$15,242 |
| TORONTO | \$624,729 | \$14,947 | \$278,789 | \$0 | \$33,370 | \$0 | \$327,106 | U/A |
| TULANE | \$65,791 | \$0 | \$154,529 | \$0 | \$0 | \$0 | \$154,529 | \$9,085 |
| UTAH | \$182,326 | \$0 | \$265,749 | \$0 | \$0 | \$0 | \$265,749 | \$20,093 |
| VANDERBILT | \$184,127 | \$3,831 | \$153,609 | \$0 | \$0 | \$0 | \$157,440 | \$1,588 |
| VIRGINIA | \$195,463 | \$0 | \$279,028 | \$5,008 | \$0 | \$0 | \$284,036 | \$0 |
| VPI & SU | \$67,669 | \$0 | \$178,187 | \$0 | \$0 | \$0 | \$178,187 | \$7,500 |
| WASHINGTON | \$348,513 | \$5,056 | \$238,107 | \$10,141 | \$23,270 | \$3,246 | \$279,820 | \$28,420 |
| WASHINGTON STATE | \$169,664 | \$0 | \$95,366 | \$0 | \$668 | \$0 | \$96,034 | \$3,827 |
| WASHINGTON U.-ST. LOUIS | \$133,252 | \$0 | \$150,093 | \$200 | \$970 | \$0 | \$151,263 | \$10,480 |
| WATERLOO | \$168,594 | \$324 | \$70,549 | \$0 | \$0 | \$0 | \$70,873 | \$8,025 |
| WAYNE STATE | \$181,516 | \$0 | \$125,041 | \$0 | \$0 | \$0 | \$125,041 | \$9,345 |
| WESTERN ONTARIO | \$174,314 | \$4,763 | \$145,611 | \$0 | \$0 | \$0 | \$150,374 | U/A |
| WISCONSIN | \$487,165 | \$1,500 | \$249,903 | \$0 | \$0 | \$8,734 | \$260,137 | \$51,105 |
| YALE | \$1,233,530 | \$4,488 | \$351,000 | \$15,165 | \$291,914 | \$100 | \$662,667 | \$16,840 |
| YORK | \$83,487 | \$0 | \$159,404 | \$0 | \$0 | \$0 | \$159,404 | \$3,113 |
| BOSTON PUBLIC LIBRARY | \$498,862 | \$69,703 | \$57,810 | \$0 | \$77,081 | \$0 | \$204,594 | \$20,000 |
| CANADA INST. FOR SCITECH. | . | . | . | . | . | . | . | . |
| CENTER FOR RESEARCH LIBS. | \$108,220 | \$0 | \$0 | \$0 | \$79,216 | \$608 | \$79,824 | \$1,700 |
| LIBRARY OF CONGRESS | \$5,885,735 | \$147,372 | \$1,338,059 | \$0 | \$0 | \$159,019 | \$1,644,450 | \$392,758 |
| LINDA HALL LIBRARY | U/A | \$1,250 | \$78,500 | \$0 | \$0 | \$3,000 | \$82,750 | \$640 |
| NATL. AGRICULTURAL LIB. | * | \$0 | \$93,790 | \$0 | \$7,150 | \$0 | \$100,940 | \$600 |
| NATL. LIBRARY OF CANADA | \$412,752 | \$0 | \$33,679 | \$0 | \$100,814 | \$934,160 | \$1,068,653 | \$8,146 |
| NATL. LIBRARY OF MEDICINE | \$598,581 | \$80,330 | \$160,000 | \$2,280 | \$579,600 | \$308,665 | \$1,130,875 | \$27,716 |
| NEW YORK PUBLIC LIBRARY | \$1,986,508 | \$16,555 | \$476,349 | \$7,185 | \$518,546 | \$7,815 | \$1,026,450 | \$70,650 |
| NEW YORK STATE LIBRARY | \$312,442 | \$0 | \$34,952 | \$0 | \$10,263 | \$0 | \$45,215 | \$40,842 |
| SMITHSONIAN INSTITUTION | \$316,129 | \$0 | \$83,000 | \$0 | \$0 | \$1,694 | \$84,694 | \$15,681 |

| Type of Library | Total Salaries & Wages 1 | Contract Conserv. 2 | Contract Binding 3 | Contract Preserv. Photocop. 4 | Contract Preserv. Microfilm 5 | Other Contract Expend. 6 | Total Contract Expend. 7 | Supplies 8 |
|-----------------|-----------------------------|------------------------|-----------------------|----------------------------------|----------------------------------|-----------------------------|-----------------------------|---------------|
| University | | | | | | | | |
| Sum | \$30,916,089 | \$604,929 | \$22,189,865 | \$655,072 | \$3,213,617 | \$708,409 | \$27,371,888 | \$2,376,941 |
| Nonuniversity | | | | | | | | |
| Sum | \$10,201,261 | \$315,210 | \$2,356,139 | \$9,465 | \$1,372,670 | \$1,414,961 | \$5,468,445 | \$578,733 |
| TOTAL | | | | | | | | |
| Sum | \$41,117,350 | \$920,139 | \$24,546,004 | \$664,537 | \$4,586,287 | \$2,123,370 | \$32,840,333 | \$2,955,674 |

* Salary figures not published when fewer than four individuals involved.

TABLE II: EXPENDITURES

| Equipment | Total Preserv. Expend. | Preserv. Exp. from External Sources | Library Expend. (from ARL Statistics) | Preserv. as % of Total Library Expend. | Materials Expend. (from ARL Statistics) | Preserv. as % of Total Materials Expend. | INSTITUTION |
|-----------|------------------------|-------------------------------------|---------------------------------------|--|---|--|---------------------------|
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| \$450 | \$400,767 | \$0 | \$10,820,032 | 4% | \$4,085,229 | 10% | TENNESSEE |
| \$0 | \$1,343,166 | \$337,645 | \$22,387,342 | 6% | \$6,429,359 | 21% | TEXAS |
| \$800 | \$286,099 | \$0 | \$13,005,235 | 2% | \$4,731,716 | 6% | TEXAS A&M |
| U/A | \$951,835 | \$45,725 | \$29,439,327 | 3% | \$9,117,090 | 10% | TORONTO |
| \$2,990 | \$232,395 | \$0 | \$8,742,551 | 3% | \$3,858,575 | 6% | TULANE |
| \$1,948 | \$470,116 | \$0 | \$12,890,250 | 4% | \$4,669,032 | 10% | UTAH |
| \$0 | \$343,155 | \$0 | \$12,813,764 | 3% | \$4,582,129 | 7% | VANDERBILT |
| \$1,587 | \$481,086 | \$0 | \$16,977,827 | 3% | \$6,467,287 | 7% | VIRGINIA |
| \$0 | \$253,356 | \$0 | \$10,603,537 | 2% | \$4,840,115 | 5% | VPI & SU |
| \$189 | \$656,942 | \$500 | \$22,818,111 | 3% | \$7,058,250 | 9% | WASHINGTON |
| \$0 | \$269,525 | \$0 | \$9,259,789 | 3% | \$3,146,295 | 9% | WASHINGTON STATE |
| \$0 | \$294,995 | \$6,500 | \$15,517,047 | 2% | \$5,939,304 | 5% | WASHINGTON U.-ST. LOUIS |
| \$0 | \$247,491 | \$0 | \$8,832,233 | 3% | \$3,371,985 | 7% | WATERLOO |
| \$0 | \$315,902 | \$0 | \$12,784,470 | 2% | \$4,940,413 | 6% | WAYNE STATE |
| \$0 | \$324,688 | \$0 | \$11,203,107 | 3% | \$4,029,646 | 8% | WESTERN ONTARIO |
| \$51,727 | \$850,134 | \$163,707 | \$25,069,946 | 3% | \$7,246,709 | 12% | WISCONSIN |
| \$16,700 | \$1,929,737 | \$364,888 | \$33,487,000 | 6% | \$11,460,000 | 17% | YALE |
| \$0 | \$246,004 | \$0 | \$12,044,922 | 2% | \$3,665,142 | 7% | YORK |
| \$0 | \$723,456 | \$59,486 | \$29,388,540 | 2% | \$6,512,313 | 11% | BOSTON PUBLIC LIBRARY |
| . | . | . | \$18,423,287 | . | \$6,725,955 | . | CANADA INST. FOR SCITECH. |
| \$0 | \$189,744 | \$50,709 | \$3,500,066 | 5% | \$911,755 | 21% | CENTER FOR RESEARCH LIBS. |
| \$124,000 | \$8,046,943 | \$288,421 | \$388,381,716 | 2% | \$8,086,548 | 100% | LIBRARY OF CONGRESS |
| U/A | \$83,390 | \$0 | \$3,707,228 | 2% | \$1,698,000 | 5% | LINDA HALL LIBRARY |
| \$0 | \$183,572 | \$0 | \$20,050,603 | 1% | \$1,801,813 | 10% | NATL. AGRICULTURAL LIB. |
| \$22,420 | \$1,511,971 | \$499,963 | \$33,018,023 | 5% | \$1,859,817 | 81% | NATL. LIBRARY OF CANADA |
| \$28,445 | \$1,785,617 | \$0 | \$28,301,000 | 6% | \$4,299,000 | 42% | NATL. LIBRARY OF MEDICINE |
| \$23,657 | \$3,107,265 | \$1,618,761 | \$38,303,414 | 8% | \$9,192,354 | 34% | NEW YORK PUBLIC LIBRARY |
| \$0 | \$398,499 | \$57,758 | \$9,252,849 | 4% | \$2,535,181 | 16% | NEW YORK STATE LIBRARY |
| \$8,567 | \$425,071 | \$0 | \$6,358,217 | 7% | \$1,394,527 | 30% | SMITHSONIAN INSTITUTION |

| Equipment | Total Preserv. Expend. | Preserv. Exp. from External Sources | Library Expend. (from ARL Statistics) | Materials Expend. (from ARL Statistics) | Type of Library |
|-----------|------------------------|-------------------------------------|---------------------------------------|---|-----------------|
| 9 | 10 | 11 | 12 | 14 | |
| | | | | | University |
| \$553,914 | \$61,218,835 | \$7,359,704 | \$1,628,238,967 | \$564,447,573 | Sum |
| | | | | | Nonuniversity |
| \$207,089 | \$16,455,528 | \$2,575,098 | \$578,684,943 | \$45,017,263 | Sum |
| | | | | | TOTAL |
| \$761,002 | \$77,674,363 | \$9,934,802 | \$2,206,923,910 | \$609,464,836 | Sum |

TABLE III: CONSERVATION TREATMENT

| INSTITUTION | Volumes: Level 1 Treatment Contract 1 | Volumes: Level 1 Treatment In-house 2 | Volumes: Level 2 Treatment Contract 3 | Volumes: Level 2 Treatment In-house 4 | Volumes: Level 3 Treatment Contract 5 | Volumes: Level 3 Treatment In-house 6 | Total Volumes Treated Contract 7 |
|---------------------------|---|---|---|---|---|---|--|
| ALABAMA | 0 | 0 | 0 | 109 | 0 | 0 | 0 |
| ALBERTA | . | . | . | . | . | . | . |
| ARIZONA | 0 | 2,464 | 0 | 1,479 | 25 | 0 | 25 |
| ARIZONA STATE | 0 | 16,643 | 0 | 1,804 | 223 | 0 | 223 |
| AUBURN | 0 | 7,111 | 0 | 2,606 | 0 | 847 | 0 |
| BOSTON | 0 | 233 | 0 | 162 | 0 | 1,499 | 0 |
| BRIGHAM YOUNG | 0 | 4,931 | 0 | 3,404 | 0 | 878 | 0 |
| BRITISH COLUMBIA | 0 | 13,039 | 0 | 3,106 | 0 | 29 | 0 |
| BROWN | 0 | 6,124 | 0 | 75 | 30 | 128 | 30 |
| CALIFORNIA, BERKELEY | 0 | 0 | 0 | 9,237 | 0 | 21 | 0 |
| CALIFORNIA, DAVIS | 0 | 2,738 | 0 | 1,808 | 0 | 29 | 0 |
| CALIFORNIA, IRVINE | 0 | 1,660 | 0 | 1,519 | 0 | 64 | 0 |
| CALIFORNIA, LOS ANGELES | 0 | 6,107 | 18 | 8,174 | 155 | 20 | 173 |
| CALIFORNIA, RIVERSIDE | 10 | 4,802 | 0 | 0 | 221 | 0 | 231 |
| CALIFORNIA, SAN DIEGO | 0 | 8,533 | 0 | 552 | 0 | 0 | 0 |
| CALIFORNIA, SANTA BARBARA | 0 | 24,908 | 0 | U/A | 0 | U/A | 0 |
| CASE WESTERN RESERVE | 456 | 2,158 | 1 | 979 | 0 | 63 | 457 |
| CHICAGO | 0 | 2,581 | 170 | 192 | 74 | 18 | 244 |
| CINCINNATI | 0 | 788 | 0 | 1,950 | 0 | 168 | 0 |
| COLORADO | 0 | 2,420 | 0 | 738 | 0 | 15 | 0 |
| COLORADO STATE | 0 | 7,005 | 9 | 1,260 | 10 | 0 | 19 |
| COLUMBIA | 0 | 2,139 | 18 | 1,512 | 14 | 2,146 | 32 |
| CONNECTICUT | 0 | 9,927 | 0 | 3,129 | 0 | 269 | 0 |
| CORNELL | 0 | 74,971 | 0 | 4,637 | 0 | 265 | 0 |
| DARTMOUTH | 0 | 252 | 21 | 42 | 38 | 17 | 59 |
| DELAWARE | 0 | 1,026 | 0 | 4,275 | 13 | 7 | 13 |
| DUKE | 0 | 2,538 | 0 | 993 | 0 | 54 | 0 |
| EMORY | 0 | 4,295 | 0 | 2,326 | 0 | 2 | 0 |
| FLORIDA | 430 | 5,770 | 500 | 7,827 | 430 | 101 | 1,360 |
| FLORIDA STATE | 521 | 127 | 922 | 240 | 576 | 0 | 2,019 |
| GEORGETOWN | 0 | 1,640 | 0 | 2,014 | 0 | 31 | 0 |
| GEORGIA | 0 | 2 | 0 | 2 | 0 | 8 | 0 |
| GEORGIA TECH | 0 | 0 | 0 | 90 | 0 | 0 | 0 |
| GUELPH | 0 | 5,814 | 9 | 0 | 80 | 0 | 89 |
| HARVARD | 470 | 18,235 | 126 | 5,062 | 590 | 400 | 1,047 |
| HAWAII | 0 | 5,075 | 0 | 4,262 | 0 | 205 | 0 |
| HOUSTON | 0 | 1,243 | 0 | 532 | 0 | 0 | 0 |
| HOWARD | . | . | . | . | . | . | . |
| ILLINOIS, CHICAGO | U/A | 2,942 | U/A | 904 | U/A | 0 | U/A |
| ILLINOIS, URBANA | 0 | 18,715 | 0 | 15,989 | 10 | 975 | 10 |
| INDIANA | 0 | 5,643 | 0 | 4,888 | 0 | 479 | 0 |
| IOWA | . | . | . | . | . | . | . |
| IOWA STATE | 0 | 3,119 | 0 | 1,007 | 28 | 0 | 28 |
| JOHNS HOPKINS | 0 | 2,788 | 0 | 2,443 | 0 | 76 | 0 |
| KANSAS | 0 | 17,089 | 0 | 284 | 0 | 8 | 0 |

TABLE III: CONSERVATION TREATMENT

| Total Volumes Treated In-house 8 | Sheets Treated Contract 9 | Sheets Treated In-house 10 | Non-paper Items Treated Contract 11 | Non-paper Items Treated In-house 12 | Protect. Enclos. Constr. Contract 13 | Protect. Enclos. Constr. In-house 14 | INSTITUTION |
|--|------------------------------------|-------------------------------------|---|---|--|--|---------------------------|
| 122 | 0 | 150 | 0 | 0 | 0 | 0 | ALABAMA |
| . | . | . | . | . | . | . | ALBERTA |
| 3,943 | 0 | 0 | 0 | 1,000 | 0 | 797 | ARIZONA |
| 18,447 | 0 | 322 | 0 | 0 | 0 | 1 | ARIZONA STATE |
| 10,564 | 0 | 0 | 0 | 0 | 0 | 65 | AUBURN |
| 1,894 | 0 | 0 | 0 | 0 | 0 | 681 | BOSTON |
| 9,213 | 0 | 106 | 0 | 0 | 92 | 156 | BRIGHAM YOUNG |
| 16,174 | 0 | 200 | 0 | 0 | 3,705 | 245 | BRITISH COLUMBIA |
| 6,327 | 0 | 2,204 | 0 | 0 | 845 | 773 | BROWN |
| 9,258 | 0 | 3,260 | 0 | 224 | 718 | 31,056 | CALIFORNIA, BERKELEY |
| 4,575 | 0 | 7 | 0 | 1 | 0 | 181 | CALIFORNIA, DAVIS |
| 3,243 | 0 | 0 | 0 | 0 | 0 | 0 | CALIFORNIA, IRVINE |
| 14,301 | 18 | 489 | 300 | 948 | 131 | 485 | CALIFORNIA, LOS ANGELES |
| 4,802 | 0 | 50 | 0 | 100 | 0 | 0 | CALIFORNIA, RIVERSIDE |
| 9,085 | 0 | 22 | 0 | 502 | 125 | 367 | CALIFORNIA, SAN DIEGO |
| 24,908 | 0 | 0 | 0 | 0 | 0 | 918 | CALIFORNIA, SANTA BARBARA |
| 3,200 | 0 | 68 | 0 | 1 | 77 | 60 | CASE WESTERN RESERVE |
| 2,791 | 0 | 1,852 | 1 | 2 | 121 | 78 | CHICAGO |
| 2,906 | 0 | 0 | 0 | 0 | 0 | 891 | CINCINNATI |
| 3,173 | 0 | 0 | 0 | 0 | 2,020 | 21 | COLORADO |
| 8,265 | 0 | 877 | 0 | 0 | 3 | 70 | COLORADO STATE |
| 5,797 | 0 | 3,409 | 1 | 31 | 128 | 549 | COLUMBIA |
| 13,325 | 1 | 380 | 49 | 1,015 | 2,272 | 95 | CONNECTICUT |
| 79,873 | 0 | 333 | 0 | 0 | 0 | 2,105 | CORNELL |
| 311 | 16 | 49 | 0 | 381 | 2 | 39 | DARTMOUTH |
| 5,308 | 368 | 177 | 0 | 0 | 456 | 2,947 | DELAWARE |
| 3,585 | 0 | 0 | 0 | 384 | 0 | 218 | DUKE |
| 6,623 | 0 | 369 | 0 | 0 | 0 | 2,903 | EMORY |
| 13,698 | 0 | 2,190 | 0 | 0 | 500 | 496 | FLORIDA |
| 367 | 0 | 0 | 0 | 0 | 129 | 0 | FLORIDA STATE |
| 3,685 | 0 | 0 | 0 | 0 | 310 | 0 | GEORGETOWN |
| 12 | 0 | 195 | 0 | 722 | 0 | 41 | GEORGIA |
| 0 | 0 | 116 | 0 | 0 | 0 | 0 | GEORGIA TECH |
| 5,814 | 9 | 1,185 | 0 | 3,591 | 1 | 0 | GUELPH |
| 23,787 | 62 | 1,179 | 22,999 | 1,982 | 15,004 | 13,087 | HARVARD |
| 9,542 | 0 | 1,292 | 0 | 3,213 | 0 | 421 | HAWAII |
| 1,775 | 0 | 0 | 0 | 0 | 48 | 1,010 | HOUSTON |
| . | . | . | . | . | . | . | HOWARD |
| 3,846 | U/A | U/A | U/A | U/A | U/A | U/A | ILLINOIS, CHICAGO |
| 35,679 | 0 | 7,966 | 0 | 2,764 | 346 | 1,488 | ILLINOIS, URBANA |
| 11,010 | 0 | 269 | 0 | 3,353 | 28 | 914 | INDIANA |
| 4,126 | 0 | 0 | 0 | 0 | 0 | 62 | IOWA |
| 5,307 | 0 | 20 | 0 | 0 | 36 | 1,662 | IOWA STATE |
| 15,934 | 0 | 528 | 0 | 100 | 0 | 153 | JOHNS HOPKINS |
| | | | | | | | KANSAS |

TABLE III: CONSERVATION TREATMENT

| INSTITUTION | Volumes: Level 1 Treatment Contract 1 | Volumes: Level 1 Treatment In-house 2 | Volumes: Level 2 Treatment Contract 3 | Volumes: Level 2 Treatment In-house 4 | Volumes: Level 3 Treatment Contract 5 | Volumes: Level 3 Treatment In-house 6 | Total Volumes Treated Contract 7 |
|----------------------|---|---|---|---|---|---|--|
| KENT STATE | 0 | 5,251 | 0 | 858 | 0 | 0 | 0 |
| KENTUCKY | 0 | 15,096 | 0 | 5,062 | 0 | 9 | 0 |
| LAVAL | 0 | 8,616 | 0 | 13,904 | 0 | 2 | 0 |
| LOUISIANA STATE | 0 | 17,819 | 0 | 617 | 0 | 0 | 0 |
| MCGILL | 0 | 3,924 | 0 | 0 | 0 | 0 | 0 |
| MCMASTER | 0 | 0 | 0 | 8,188 | 0 | 226 | 0 |
| MANITOBA | 0 | 2,718 | 0 | 545 | 0 | 20 | 0 |
| MARYLAND | 0 | 3,252 | 308 | 4,254 | 0 | 1,416 | 308 |
| MASSACHUSETTS | 0 | 1,327 | 0 | 5 | 0 | 0 | 0 |
| MIT | 0 | 2,399 | 0 | 1,020 | 0 | 3 | 0 |
| MIAMI | 0 | 5,945 | 0 | 4,274 | 0 | 497 | 0 |
| MICHIGAN | 267 | 15,551 | 397 | 1,218 | 0 | 165 | 644 |
| MICHIGAN STATE | 0 | 21,323 | 0 | 932 | 42 | 0 | 42 |
| MINNESOTA | 37 | 1,127 | 2 | 555 | 5 | 36 | 44 |
| MISSOURI | 0 | 5,486 | 0 | 0 | 0 | 0 | 0 |
| NEBRASKA | 0 | 1,282 | 0 | 5,781 | 0 | 0 | 0 |
| NEW MEXICO | 0 | 4,358 | 0 | 2,187 | 0 | 75 | 0 |
| NEW YORK | 0 | 9,846 | 190 | 3,058 | 0 | 923 | 190 |
| NORTH CAROLINA | U/A | 2,128 | U/A | 8,459 | U/A | 10 | U/A |
| NORTH CAROLINA STATE | 0 | 947 | 0 | 2,026 | 0 | 3 | 0 |
| NORTHWESTERN | 0 | 20,293 | 0 | 3,020 | 26 | 143 | 26 |
| NOTRE DAME | 0 | 1,859 | 0 | 1,224 | 0 | 2,062 | 0 |
| OHIO STATE | 0 | 11,561 | 0 | 1,167 | 0 | 181 | 0 |
| OKLAHOMA | 0 | 817 | 0 | 945 | 0 | 0 | 0 |
| OKLAHOMA STATE | 0 | 2,751 | 0 | 0 | 0 | 0 | 0 |
| OREGON | 0 | 19,127 | 0 | 3,379 | 0 | 0 | 0 |
| PENNSYLVANIA | 0 | 1,850 | 0 | 0 | 10 | 0 | 10 |
| PENNSYLVANIA STATE | 0 | 3,276 | 200 | 761 | 5 | 30 | 5 |
| PITTSBURGH | 0 | 2,450 | 0 | 1,705 | 85 | 91 | 85 |
| PRINCETON | 0 | 3,562 | 0 | 2,993 | 0 | 329 | 0 |
| PURDUE | 0 | 466 | 0 | 0 | 40 | 0 | 40 |
| QUEEN'S | 0 | 3,108 | 0 | 458 | 0 | 0 | 0 |
| RICE | 0 | 13,094 | 0 | 1,042 | 0 | 12 | 0 |
| ROCHESTER | 0 | 11,987 | 0 | 3,211 | 111 | 0 | 111 |
| RUTGERS | 0 | 1,433 | 0 | 499 | 0 | 0 | 0 |
| SASKATCHEWAN | 0 | 0 | 0 | 11,865 | 0 | 0 | 0 |
| SOUTH CAROLINA | U/A | U/A | 0 | U/A | 0 | U/A | 0 |
| SOUTHERN CALIFORNIA | 0 | 12,066 | 0 | 697 | 0 | 0 | 0 |
| SOUTHERN ILLINOIS | 0 | 17,599 | 58 | 1,372 | 0 | 3 | 58 |
| STANFORD | 0 | 4,586 | 0 | 3,947 | 46 | 106 | 46 |
| SUNY-ALBANY | 0 | 26 | 0 | 1,278 | 0 | 11 | 0 |
| SUNY-BUFFALO | 0 | 2,484 | 0 | 8,177 | 0 | 0 | 0 |
| SUNY-STONY BROOK | 0 | 4,286 | 0 | 6,456 | 0 | 0 | 0 |
| SYRACUSE | 0 | 3,116 | 0 | 1,762 | 0 | 0 | 0 |
| TEMPLE | 0 | 1,306 | 0 | 115 | 0 | 0 | 0 |

TABLE III: CONSERVATION TREATMENT

| Total Volumes Treated In-house | 8 | Sheets Treated Contract | 9 | Sheets Treated In-house | 10 | Non-paper Items Treated Contract | 11 | Non-paper Items Treated In-house | 12 | Protect. Enclos. Constr. Contract | 13 | Protect. Enclos. Constr. In-house | 14 | INSTITUTION |
|---|--------|-------------------------------|---------|-------------------------------|----|---|--------|---|-------|--|----|--|-------|----------------------|
| 6,109 | 0 | U/A | 0 | U/A | 0 | 0 | 0 | U/A | 0 | 0 | 0 | 611 | 611 | KENT STATE |
| 20,167 | 0 | 2,632 | 0 | 0 | 0 | 0 | 0 | 134 | 0 | 254 | 0 | 1,118 | 1,118 | KENTUCKY |
| 22,522 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | LAVAL |
| 18,436 | 21 | 10,000 | 0 | 0 | 0 | 0 | 0 | 2,000 | 0 | 0 | 0 | 880 | 880 | LOUISIANA STATE |
| 3,924 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | MCGILL |
| 8,414 | 0 | 380 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,681 | 1,681 | MCMASTER |
| 3,283 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 856 | 856 | MANITOBA |
| 8,922 | 351 | 0 | 99 | 0 | 0 | 0 | 0 | 0 | 0 | 234 | 0 | 79 | 79 | MARYLAND |
| 1,332 | 0 | 15 | 0 | 0 | 0 | 0 | 10,529 | 0 | 0 | 0 | 0 | 50 | 50 | MASSACHUSETTS |
| 3,422 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 483 | 483 | MIT |
| 10,716 | 0 | 150 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 310 | 310 | MIAMI |
| 16,934 | 0 | 318 | 0 | 233 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 929 | 929 | MICHIGAN |
| 22,255 | 0 | U/A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | MICHIGAN STATE |
| 1,398 | 21,189 | 300 | 36 | 15,050 | 0 | 0 | 0 | 0 | 2,004 | 0 | 0 | 518 | 518 | MINNESOTA |
| 5,486 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 1,850 | 1,850 | MISSOURI |
| 7,063 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 | 0 | 0 | 1,129 | 1,129 | NEBRASKA |
| 6,621 | 0 | 1,701 | 0 | 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 733 | 733 | NEW MEXICO |
| 13,827 | 1,063 | 1,338 | 175,000 | 22 | 0 | 0 | 0 | 22 | 119 | 0 | 0 | 833 | 833 | NEW YORK |
| 10,602 | U/A | 1,333 | 264 | 132 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 1,785 | 1,785 | NORTH CAROLINA |
| 2,976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 0 | 0 | 0 | NORTH CAROLINA STATE |
| 23,456 | 0 | 746 | 0 | 0 | 0 | 0 | 0 | 0 | 92 | 0 | 0 | 352 | 352 | NORTHWESTERN |
| 5,145 | 0 | 344 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 238 | 238 | NOTRE DAME |
| 12,909 | 135 | 620 | 0 | 8 | 0 | 0 | 8 | 0 | 4 | 0 | 0 | 5,422 | 5,422 | OHIO STATE |
| 1,762 | 0 | 925 | 0 | 178 | 0 | 0 | 178 | 0 | 0 | 0 | 0 | 445 | 445 | OKLAHOMA |
| 2,751 | 0 | 298 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | OKLAHOMA STATE |
| 22,506 | 0 | 880 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 54 | OREGON |
| 1,850 | 7 | 75,000 | 0 | 1,000 | 0 | 0 | 1,000 | 0 | 30 | 0 | 0 | 300 | 300 | PENNSYLVANIA |
| 4,067 | 268 | 236 | 0 | 270 | 0 | 0 | 270 | 0 | 2,219 | 0 | 0 | 75 | 75 | PENNSYLVANIA STATE |
| 4,246 | 178 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 949 | 0 | 0 | 172 | 172 | PITTSBURGH |
| 6,884 | 0 | 3,387 | 0 | 35 | 0 | 0 | 35 | 0 | 1,486 | 0 | 0 | 782 | 782 | PRINCETON |
| 466 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | PURDUE |
| 3,566 | 0 | 623 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 1,277 | 1,277 | QUEEN'S |
| 14,148 | 0 | 240 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 358 | 358 | RICE |
| 15,198 | 0 | 350 | 0 | 37 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 2,080 | 2,080 | ROCHESTER |
| 1,932 | 2 | 1,535 | 0 | 4,927 | 0 | 0 | 4,927 | 0 | 58 | 0 | 0 | 878 | 878 | RUTGERS |
| 11,865 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 270 | 270 | SASKATCHEWAN |
| U/A | 0 | U/A | 0 | U/A | 0 | 0 | U/A | 0 | 0 | 0 | 0 | U/A | U/A | SOUTH CAROLINA |
| 12,763 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 185 | 185 | SOUTHERN CALIFORNIA |
| 14,175 | 0 | 1,201 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 963 | 963 | SOUTHERN ILLINOIS |
| 8,639 | 0 | 628 | 0 | 232 | 0 | 0 | 232 | 0 | 12 | 0 | 0 | 6,209 | 6,209 | STANFORD |
| 1,315 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 13 | SUNY-ALBANY |
| 10,661 | 0 | 295 | 0 | 72 | 0 | 0 | 72 | 0 | 0 | 0 | 0 | 209 | 209 | SUNY-BUFFALO |
| 10,742 | 0 | 1,180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,749 | 6,749 | SUNY-STONY BROOK |
| 4,878 | 0 | 12 | 0 | 97 | 0 | 0 | 97 | 0 | 0 | 0 | 0 | 81 | 81 | SYRACUSE |
| 1,421 | 0 | 0 | 0 | 45,300 | 0 | 0 | 45,300 | 0 | 0 | 0 | 0 | 0 | 0 | TEMPLE |

TABLE III: CONSERVATION TREATMENT

| INSTITUTION | Volumes: Level 1 Treatment Contract 1 | Volumes: Level 1 Treatment In-house 2 | Volumes: Level 2 Treatment Contract 3 | Volumes: Level 2 Treatment In-house 4 | Volumes: Level 3 Treatment Contract 5 | Volumes: Level 3 Treatment In-house 6 | Total Volumes Treated Contract 7 |
|---------------------------|---|---|---|---|---|---|--|
| TENNESSEE | 0 | 3,247 | 0 | 905 | 0 | 108 | 0 |
| TEXAS | 0 | 25,787 | 0 | 1,518 | 0 | 163 | 0 |
| TEXAS A&M | 0 | 1,733 | 0 | 4,023 | 0 | 20 | 0 |
| TORONTO | 0 | 6,235 | 0 | 4,262 | 0 | 53 | 0 |
| TULANE | 0 | 360 | 0 | 1,483 | 0 | 406 | 0 |
| UTAH | 0 | 2,583 | 0 | 998 | 0 | 98 | 0 |
| VANDERBILT | 0 | 446 | 0 | 748 | 0 | 5 | 0 |
| VIRGINIA | 237 | 9,934 | 44 | 876 | 26 | 0 | 304 |
| VPI & SU | 0 | 3,900 | 0 | 896 | 0 | 0 | 0 |
| WASHINGTON | 0 | 8,678 | 0 | 776 | 0 | 453 | 0 |
| WASHINGTON STATE | 0 | U/A | 0 | U/A | 0 | U/A | 0 |
| WASHINGTON U.-ST. LOUIS | 0 | 978 | 0 | 922 | 0 | 0 | 0 |
| WATERLOO | 0 | 450 | 0 | 0 | 3 | 0 | 3 |
| WAYNE STATE | 0 | 3,917 | 0 | 195 | 0 | 0 | 0 |
| WESTERN ONTARIO | 0 | 277 | 0 | 277 | 0 | 1,294 | 0 |
| WISCONSIN | 0 | 8,325 | 0 | 2,793 | 0 | 365 | 0 |
| YALE | 260 | 29,705 | 0 | 1,043 | 0 | 1,320 | 260 |
| YORK | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BOSTON PUBLIC LIBRARY | 0 | 2,097 | 0 | 0 | 0 | 837 | 0 |
| CANADA INST. FOR SCITECH. | . | . | . | . | . | . | . |
| CENTER FOR RESEARCH LIBS. | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LIBRARY OF CONGRESS | U/A | U/A | U/A | U/A | U/A | U/A | U/A |
| LINDA HALL LIBRARY | 0 | 1,508 | 0 | 319 | 0 | 164 | 1 |
| NATL. AGRICULTURAL LIB. | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NATL. LIBRARY OF CANADA | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NATL. LIBRARY OF MEDICINE | 15 | 0 | 61 | 0 | 104 | 0 | 180 |
| NEW YORK PUBLIC LIBRARY | 0 | 2 | 0 | 154 | 8 | 104 | 8 |
| NEW YORK STATE LIBRARY | 0 | 1,088 | 0 | 515 | 0 | 1 | 0 |
| SMITHSONIAN INSTITUTION | 0 | 259 | 0 | 90 | 0 | 135 | 0 |

| Type of Library | Volumes: Level 1 Treatment Contract 1 | Volumes: Level 1 Treatment In-house 2 | Volumes: Level 2 Treatment Contract 3 | Volumes: Level 2 Treatment In-house 4 | Volumes: Level 3 Treatment Contract 5 | Volumes: Level 3 Treatment In-house 6 | Total Volumes Treated Contract 7 |
|--------------------|---|---|---|---|---|---|--|
| University | | | | | | | |
| Sum | 2,688 | 675,648 | 2,993 | 242,343 | 2,916 | 19,460 | 8,235 |
| Nonuniversity | | | | | | | |
| Sum | 15 | 4,954 | 61 | 1,078 | 112 | 1,241 | 189 |
| TOTAL | | | | | | | |
| Sum | 2,703 | 680,602 | 3,054 | 243,421 | 3,028 | 20,701 | 8,424 |

TABLE III: CONSERVATION TREATMENT

| Total Volumes Treated In-house 8 | Sheets Treated Contract 9 | Sheets Treated In-house 10 | Non-paper Items Treated Contract 11 | Non-paper Items Treated In-house 12 | Protect. Enclos. Constr. Contract 13 | Protect. Enclos. Constr. In-house 14 | INSTITUTION |
|--|------------------------------------|-------------------------------------|---|---|--|--|---------------------------|
| 4,260 | 0 | 79 | 0 | 0 | 98 | 21 | TENNESSEE |
| 27,468 | 0 | 6,692 | 1 | 2,673 | 0 | 8,569 | TEXAS |
| 5,776 | 0 | 1,000 | 0 | 25 | 0 | 1,233 | TEXAS A&M |
| 10,550 | 0 | 1,609 | 0 | 4 | 0 | 1,840 | TORONTO |
| 2,249 | 0 | 204 | 0 | 1,014 | 0 | 1,030 | TULANE |
| 3,679 | 0 | 2,053 | 0 | 219 | 1,039 | 805 | UTAH |
| 1,199 | 0 | 30 | 0 | 0 | 305 | 235 | VANDERBILT |
| 10,810 | 87 | 0 | 0 | 0 | 1 | 496 | VIRGINIA |
| 4,796 | 0 | 0 | 0 | 0 | 406 | 0 | VPI & SU |
| 9,907 | 0 | 112 | 749 | 0 | 0 | 119 | WASHINGTON |
| U/A | 0 | U/A | 0 | U/A | 0 | U/A | WASHINGTON STATE |
| 1,900 | 0 | 282 | 0 | 0 | 5 | 152 | WASHINGTON U.-ST. LOUIS |
| 450 | 0 | 0 | 0 | 0 | 0 | 0 | WATERLOO |
| 4,112 | 0 | U/A | 0 | 10 | 0 | 33 | WAYNE STATE |
| 1,848 | 0 | 19 | 0 | 8 | 1 | 0 | WESTERN ONTARIO |
| 11,483 | 0 | 8 | 0 | 0 | 432 | 155 | WISCONSIN |
| 32,068 | 0 | 2,402 | 0 | 350 | 359 | 780 | YALE |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | YORK |
| 2,934 | 0 | 0 | 0 | 0 | 0 | 100 | BOSTON PUBLIC LIBRARY |
| . | . | . | . | . | . | . | CANADA INST. FOR SCITECH. |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | CENTER FOR RESEARCH LIBS. |
| 34,193 | 5,000 | 24,561 | U/A | 8,234 | 1,071 | 2,111 | LIBRARY OF CONGRESS |
| 1,991 | 0 | U/A | 0 | 0 | 23 | 0 | LINDA HALL LIBRARY |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | NATL. AGRICULTURAL LIB. |
| 10,460 | 0 | 0 | 0 | 0 | 0 | 732 | NATL. LIBRARY OF CANADA |
| 0 | 175 | 0 | 370 | 0 | 19 | 0 | NATL. LIBRARY OF MEDICINE |
| 260 | 0 | 6,539 | 0 | 1,322 | 21 | 8,167 | NEW YORK PUBLIC LIBRARY |
| 1,604 | 0 | 4,630 | 0 | 0 | 0 | 1,052 | NEW YORK STATE LIBRARY |
| 484 | 0 | 0 | 0 | 0 | 243 | 18 | SMITHSONIAN INSTITUTION |

| Total Volumes Treated In-house 8 | Sheets Treated Contract 9 | Sheets Treated In-house 10 | Non-paper Items Treated Contract 11 | Non-paper Items Treated In-house 12 | Protect. Enclos. Constr. Contract 13 | Protect. Enclos. Constr. In-house 14 | Type of Library |
|--|------------------------------------|-------------------------------------|---|---|--|--|----------------------|
| 930,904 | 23,775 | 150,421 | 199,574 | 104,956 | 37,469 | 121,466 | University Sum |
| 51,926 | 5,175 | 35,730 | 370 | 9,556 | 1,377 | 12,180 | Nonuniversity Sum |
| 982,830 | 28,950 | 186,151 | 199,944 | 114,512 | 38,846 | 133,646 | TOTAL Sum |

TABLE IV: PRESERVATION TREATMENT

| INSTITUTION | BINDING | BINDING | Bound Vols. | Bound Vols. | Lin. Feet | Lin. Feet | Pres. Phot. | Pres. Phot. |
|---------------------------|------------------------------|------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|----------------------------|----------------------------|
| | Volumes Bound Contract | Volumes Bound In-house | & Pamphlets Mass-Deac. Contract | & Pamphlets Mass-Deac. In-House | of Manusc. Mass-Deac. Contract | of Manusc. Mass-Deac. In-House | Entire Item Contract | Entire Item In-House |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| ALABAMA | 8,102 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| ALBERTA | . | . | . | . | . | . | . | . |
| ARIZONA | 30,155 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ARIZONA STATE | 32,683 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AUBURN | 21,067 | 0 | U/A | U/A | U/A | U/A | 0 | 3 |
| BOSTON | 11,976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BRIGHAM YOUNG | 19,805 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| BRITISH COLUMBIA | 33,027 | 0 | 0 | 0 | 0 | 0 | 13 | 22 |
| BROWN | 25,199 | 0 | 0 | 0 | 0 | 0 | 142 | 0 |
| CALIFORNIA, BERKELEY | 82,590 | 0 | 0 | 0 | 0 | 0 | 808 | 0 |
| CALIFORNIA, DAVIS | 15,728 | 0 | 0 | 0 | 0 | 0 | 30 | 0 |
| CALIFORNIA, IRVINE | 21,946 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| CALIFORNIA, LOS ANGELES | 40,936 | 0 | 0 | 0 | 0 | 0 | 83 | 0 |
| CALIFORNIA, RIVERSIDE | 20,009 | 2,381 | 0 | 0 | 0 | 0 | 49 | 0 |
| CALIFORNIA, SAN DIEGO | 35,347 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| CALIFORNIA, SANTA BARBARA | 20,878 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CASE WESTERN RESERVE | 9,122 | 0 | 98 | 0 | 0 | 6 | 37 | 28 |
| CHICAGO | 83,279 | 0 | 2,998 | 0 | U/A | 0 | 183 | 20 |
| CINCINNATI | 14,859 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |
| COLORADO | 27,836 | 0 | 0 | 0 | 0 | 0 | 9 | 6 |
| COLORADO STATE | 16,661 | 0 | 0 | 0 | 0 | 0 | 90 | 3 |
| COLUMBIA | 67,689 | 0 | 400 | 0 | 0 | 0 | 183 | 0 |
| CONNECTICUT | 39,543 | 0 | 791 | 0 | 0 | 0 | 0 | 47 |
| CORNELL | 34,705 | 2,764 | 0 | 38 | 0 | 0 | 318 | 203 |
| DARTMOUTH | 13,757 | 8,676 | 0 | 0 | 0 | 0 | 0 | 0 |
| DELAWARE | 14,994 | 3 | 0 | 0 | 0 | 0 | 123 | 6,166 |
| DUKE | 35,316 | 14,829 | 0 | 0 | 0 | 0 | 0 | 94 |
| EMORY | 24,890 | 0 | 0 | 0 | 0 | 0 | 0 | 191 |
| FLORIDA | 20,162 | 14 | 0 | 0 | 0 | 0 | 0 | 48 |
| FLORIDA STATE | 29,237 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GEORGETOWN | 16,423 | 0 | 0 | 0 | 0 | 0 | 670 | 0 |
| GEORGIA | 48,549 | 5 | 0 | 0 | 0 | 0 | 0 | 9,544 |
| GEORGIA TECH | 11,949 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GUELPH | 15,768 | 0 | 0 | 0 | 0 | 0 | 0 | 45 |
| HARVARD | 90,183 | 146 | 6,240 | 0 | 0 | 0 | 1,441 | 95 |
| HAWAII | 16,077 | 0 | 0 | 0 | 0 | 0 | 0 | 54 |
| HOUSTON | 14,152 | 1,564 | 0 | 0 | 0 | 0 | 0 | 0 |
| HOWARD | . | . | . | . | . | . | . | . |
| ILLINOIS, CHICAGO | 18,737 | 120 | 0 | 0 | 0 | 0 | 0 | 0 |
| ILLINOIS, URBANA | 58,911 | 0 | 0 | 0 | 0 | 0 | 0 | 500 |
| INDIANA | 51,575 | 0 | 0 | 0 | 0 | 0 | 0 | 142 |
| IOWA | . | . | . | . | . | . | . | . |
| IOWA STATE | 23,022 | 0 | 0 | 0 | 0 | 0 | 55 | 0 |
| JOHNS HOPKINS | 36,589 | 37 | 3,195 | 0 | 0 | 0 | 5 | 71 |
| KANSAS | 31,144 | 4,450 | 0 | 0 | 0 | 0 | 116 | 0 |

TABLE IV: PRESERVATION TREATMENT

| INSTITUTION | BINDING Volumes Bound Contract | BINDING Volumes Bound In-house | Bound Vols. & Pamphlets Mass-Deac. Contract | Bound Vols. & Pamphlets Mass-Deac. In-House | Lin. Feet of Manusc. Mass-Deac. Contract | Lin. Feet of Manusc. Mass-Deac. In-House | Pres. Phot. Entire Item Contract | Pres. Phot. Entire Item In-House |
|----------------------|---|---|--|--|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| KENT STATE | 12,397 | U/A | 0 | U/A | 0 | U/A | U/A | U/A |
| KENTUCKY | 18,753 | 0 | 0 | 0 | 0 | 0 | 0 | 450 |
| LAVAL | 2,932 | 14,654 | 0 | 0 | 0 | 0 | 0 | 0 |
| LOUISIANA STATE | 13,040 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| MCGILL | 22,097 | 10,081 | 0 | 0 | 0 | 0 | 0 | 0 |
| MCMASTER | 16,465 | 2,134 | 0 | 0 | 0 | 0 | 0 | 7 |
| MANITOBA | 14,191 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| MARYLAND | 23,448 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| MASSACHUSETTS | 17,270 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIT | 19,127 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| MIAMI | 16,769 | 25 | 0 | 0 | 0 | 0 | 0 | 20 |
| MICHIGAN | 40,273 | 0 | 0 | 0 | 0 | 0 | 207 | 1 |
| MICHIGAN STATE | 43,833 | 0 | 11 | 0 | 0 | 0 | 0 | 5 |
| MINNESOTA | 51,039 | 24 | 0 | 0 | 0 | 0 | 609 | 0 |
| MISSOURI | 15,578 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEBRASKA | 21,763 | 0 | 750 | 0 | 0 | 0 | 0 | 0 |
| NEW MEXICO | 16,238 | 0 | 0 | 0 | 0 | 0 | 0 | 71 |
| NEW YORK | 43,159 | 0 | 100 | 0 | 0 | 0 | 105 | 0 |
| NORTH CAROLINA | 37,104 | U/A | U/A | U/A | U/A | U/A | U/A | 306 |
| NORTH CAROLINA STATE | 18,934 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| NORTHWESTERN | 26,366 | 0 | 8,960 | 0 | U/A | 0 | 274 | 0 |
| NOTRE DAME | 13,516 | 0 | 185 | 0 | 0 | 0 | 27 | 27 |
| OHIO STATE | 44,703 | 0 | 0 | 0 | 0 | 0 | 476 | 0 |
| OKLAHOMA | 262 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| OKLAHOMA STATE | 10,210 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OREGON | 0 | 19,306 | 0 | 0 | 0 | 0 | 0 | 2,013 |
| PENNSYLVANIA | 33,869 | 0 | 0 | 0 | 0 | 0 | 0 | 421 |
| PENNSYLVANIA STATE | 44,079 | 0 | 0 | 0 | 0 | 0 | 0 | 39 |
| PITTSBURGH | 35,037 | 0 | 0 | 0 | 0 | 0 | 166 | 25 |
| PRINCETON | 62,347 | 0 | 0 | 0 | 0 | 0 | 408 | 2 |
| PURDUE | 17,287 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| QUEEN'S | 19,229 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| RICE | 10,392 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ROCHESTER | 12,883 | 1,110 | 0 | 0 | 0 | 0 | 180 | 89 |
| RUTGERS | 37,711 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |
| SASKATCHEWAN | 7,461 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SOUTH CAROLINA | 19,243 | 0 | 0 | 0 | 0 | 0 | 0 | 200 |
| SOUTHERN CALIFORNIA | 21,696 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SOUTHERN ILLINOIS | 25,090 | 0 | 0 | 0 | 0 | 0 | 0 | 41 |
| STANFORD | 61,589 | 0 | 0 | 0 | 0 | 0 | 1 | 375 |
| SUNY-ALBANY | 11,585 | 18 | 0 | 0 | 0 | 0 | 22 | 131 |
| SUNY-BUFFALO | 29,057 | 0 | 0 | 0 | 0 | 0 | 0 | 451 |
| SUNY-STONY BROOK | 15,710 | 0 | 130 | 0 | 0 | 0 | 24 | 0 |
| SYRACUSE | 11,588 | 9,397 | 0 | 0 | 0 | 0 | 0 | 0 |
| TEMPLE | 16,154 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE IV: PRESERVATION TREATMENT

| INSTITUTION | BINDING | BINDING | Bound Vols. | Bound Vols. | Lin. Feet | Lin. Feet | Pres. Phot. | Pres. Phot. |
|---------------------------|------------------------------|------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|----------------------------|----------------------------|
| | Volumes Bound Contract | Volumes Bound In-house | & Pamphlets Mass-Deac. Contract | & Pamphlets Mass-Deac. In-House | of Manusc. Mass-Deac. Contract | of Manusc. Mass-Deac. In-House | Entire Item Contract | Entire Item In-House |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| TENNESSEE | 29,667 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TEXAS | 29,049 | 0 | 37 | 0 | 140 | 0 | 4 | 0 |
| TEXAS A&M | 15,816 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| TORONTO | 28,401 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TULANE | 30,633 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UTAH | 19,476 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VANDERBILT | 21,992 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| VIRGINIA | 42,489 | 0 | 0 | 0 | 0 | 0 | 65 | 299 |
| VPI & SU | 26,145 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WASHINGTON | 28,245 | 0 | 0 | 0 | 0 | 0 | 104 | U/A |
| WASHINGTON STATE | 12,719 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WASHINGTON U.-ST. LOUIS | 12,785 | 8,268 | 0 | 0 | 0 | 0 | 3 | 0 |
| WATERLOO | 6,160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WAYNE STATE | 21,189 | 0 | 0 | 0 | 0 | 0 | 0 | U/A |
| WESTERN ONTARIO | 22,996 | 4,691 | 0 | 0 | 0 | 0 | 0 | 0 |
| WISCONSIN | 32,933 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |
| YALE | 45,331 | 0 | 0 | 0 | 0 | 0 | 200 | 3,970 |
| YORK | 30,565 | 52 | 0 | 0 | 0 | 0 | 10 | 0 |
| BOSTON PUBLIC LIBRARY | 4,383 | 3,132 | 0 | 0 | 0 | 0 | 0 | 0 |
| CANADA INST. FOR SCITECH. | . | . | . | . | . | . | . | . |
| CENTER FOR RESEARCH LIBS. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LIBRARY OF CONGRESS | 207,632 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LINDA HALL LIBRARY | 5,535 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NATL. AGRICULTURAL LIB. | 3,635 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NATL. LIBRARY OF CANADA | 654 | 0 | 147,966 | 241,360 | 0 | 0 | 0 | 0 |
| NATL. LIBRARY OF MEDICINE | 28,789 | 0 | 0 | 0 | 0 | 0 | 13 | 0 |
| NEW YORK PUBLIC LIBRARY | 66,827 | 0 | 0 | 0 | 0 | 0 | 75 | 0 |
| NEW YORK STATE LIBRARY | 10,278 | 0 | 0 | 0 | 0 | 0 | 400 | 0 |
| SMITHSONIAN INSTITUTION | 11,004 | 0 | 0 | 0 | 0 | 0 | 108 | 0 |

| Type of Library | BINDING | BINDING | Bound Vols. | Bound Vols. | Lin. Feet | Lin. Feet | Pres. Phot. | Pres. Phot. |
|-----------------|------------------------------|------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|----------------------------|----------------------------|
| | Volumes Bound Contract | Volumes Bound In-house | & Pamphlets Mass-Deac. Contract | & Pamphlets Mass-Deac. In-House | of Manusc. Mass-Deac. Contract | of Manusc. Mass-Deac. In-House | Entire Item Contract | Entire Item In-House |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| University | | | | | | | | |
| Sum | 2,792,642 | 104,749 | 23,895 | 38 | 140 | 6 | 7,256 | 26,550 |
| Nonuniversity | | | | | | | | |
| Sum | 338,737 | 3,132 | 147,966 | 241,360 | 0 | 0 | 596 | 0 |
| TOTAL | | | | | | | | |
| Sum | 3,131,379 | 107,881 | 171,861 | 241,398 | 140 | 6 | 7,852 | 26,550 |

TABLE V: PRESERVATION MICROFILMING

| INSTITUTION | Total Volumes Contract Film 1 | Total Volumes In-House Film 2 | Total Volumes Contract Fiche 3 | Total Volumes In-House Fiche 4 | Total Titles Contract Film 5 | Total Titles In-House Film 6 | Total Titles Contract Fiche 7 | Total Titles In-House Fiche 8 |
|---------------------------|---|---|--|--|--|--|---|---|
| ALABAMA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ALBERTA | . | . | . | . | . | . | . | . |
| ARIZONA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ARIZONA STATE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AUBURN | 0 | 64 | 0 | 0 | 0 | 30 | 0 | 0 |
| BOSTON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BRIGHAM YOUNG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BRITISH COLUMBIA | 209 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| BROWN | 1,657 | 0 | 0 | 0 | 1,657 | 0 | 0 | 0 |
| CALIFORNIA, BERKELEY | 3,994 | 1,269 | 0 | 0 | 2,411 | 719 | 0 | 0 |
| CALIFORNIA, DAVIS | 46 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| CALIFORNIA, IRVINE | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| CALIFORNIA, LOS ANGELES | 0 | 225 | 0 | 0 | 0 | 198 | 0 | 0 |
| CALIFORNIA, RIVERSIDE | 17 | 0 | 0 | 0 | 17 | 0 | 0 | 0 |
| CALIFORNIA, SAN DIEGO | 6 | 0 | 0 | 0 | 7 | 0 | 0 | 0 |
| CALIFORNIA, SANTA BARBARA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CASE WESTERN RESERVE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CHICAGO | 3,215 | 0 | 0 | 0 | 2,011 | 0 | 0 | 0 |
| CINCINNATI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| COLORADO STATE | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| COLUMBIA | 6,084 | 1,304 | 0 | 0 | 4,476 | 140 | 0 | 0 |
| CONNECTICUT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CORNELL | 5,857 | 0 | 1 | 0 | 4,470 | 0 | 1 | 0 |
| DARTMOUTH | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| DELAWARE | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| DUKE | 0 | 0 | 0 | 0 | 4 | 8 | 0 | 0 |
| EMORY | 1,937 | 0 | 0 | 0 | 1,546 | 0 | 0 | 0 |
| FLORIDA | 5,815 | 3,336 | 0 | 0 | 1,031 | 2,106 | 0 | 0 |
| FLORIDA STATE | 68 | 0 | 0 | 0 | 20 | 0 | 0 | 0 |
| GEORGETOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GEORGIA | U/A | U/A | 0 | 0 | 358 | 251 | 0 | 0 |
| GEORGIA TECH | 17 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| GUELPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HARVARD | 11,503 | 202 | 2,570 | 0 | 9,090 | 45 | 2,570 | 0 |
| HAWAII | 28 | 0 | U/A | 0 | 25 | 0 | 244 | 0 |
| HOUSTON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HOWARD | . | . | . | . | . | . | . | . |
| ILLINOIS, CHICAGO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ILLINOIS, URBANA | 2,583 | 0 | 0 | 0 | 2,327 | 0 | 0 | 0 |
| INDIANA | 100 | 0 | 870 | 0 | 1 | 0 | 870 | 0 |
| IOWA | . | . | . | . | . | . | . | . |
| IOWA STATE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| JOHNS HOPKINS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KANSAS | 883 | 9 | 0 | 0 | U/A | 4 | 0 | 0 |

TABLE V: PRESERVATION MICROFILMING

| Total Exposures Contract Film 9 | Total Exposures In-House Film 10 | Total Exposures Contract Fiche 11 | Total Exposures In-House Fiche 12 | Preserv. Microfilm. Total Volumes 13 | Preserv. Microfilm. Total Titles 14 | Preserv. Microfilm. Total Exposures 15 | INSTITUTION |
|------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|---|--|---|---------------------------|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | ALABAMA |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | ALBERTA |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | ARIZONA |
| 0 | 31,522 | 0 | 0 | 64 | 30 | 31,522 | ARIZONA STATE |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | AUBURN |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | BOSTON |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | BRIGHAM YOUNG |
| 146,149 | 0 | 0 | 0 | 209 | 3 | 146,149 | BRITISH COLUMBIA |
| 107,521 | 0 | 0 | 0 | 1,657 | 1,657 | 107,521 | BROWN |
| 639,304 | 227,653 | 0 | 0 | 5,263 | 3,130 | 866,957 | CALIFORNIA, BERKELEY |
| 44,977 | 0 | 0 | 0 | 46 | 1 | 44,977 | CALIFORNIA, DAVIS |
| 7,832 | 0 | 0 | 0 | 4 | 2 | 7,832 | CALIFORNIA, IRVINE |
| 0 | 23,200 | 0 | 0 | 225 | 198 | 23,200 | CALIFORNIA, LOS ANGELES |
| 3,441 | 0 | 0 | 0 | 17 | 17 | 3,441 | CALIFORNIA, RIVERSIDE |
| 64,960 | 0 | 0 | 0 | 6 | 7 | 64,960 | CALIFORNIA, SAN DIEGO |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | CALIFORNIA, SANTA BARBARA |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | CASE WESTERN RESERVE |
| 593,558 | 0 | 0 | 0 | 3,215 | 2,011 | 593,558 | CHICAGO |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | CINCINNATI |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | COLORADO |
| 2,432 | 0 | 0 | 0 | 5 | 5 | 2,432 | COLORADO STATE |
| 971,549 | 41,197 | 0 | 0 | 7,388 | 4,616 | 1,012,746 | COLUMBIA |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | CONNECTICUT |
| 736,290 | 0 | 170 | 0 | 5,858 | 4,471 | 736,460 | CORNELL |
| 4,000 | 0 | 0 | 0 | 3 | 2 | 4,000 | DARTMOUTH |
| 103,734 | 0 | 0 | 0 | U/A | 4 | 103,734 | DELAWARE |
| 0 | 3,902 | 0 | 0 | U/A | 12 | 3,902 | DUKE |
| 160,003 | 0 | 0 | 0 | 1,937 | 1,546 | 160,003 | EMGRY |
| 125,262 | 645,427 | 0 | 0 | 9,151 | 3,137 | 770,689 | FLORIDA |
| 34,099 | 0 | 0 | 0 | 68 | 20 | 34,099 | FLORIDA STATE |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | GEORGETOWN |
| 179,000 | 340,600 | 0 | 0 | U/A | 609 | 519,600 | GEORGIA |
| U/A | 0 | 0 | 0 | 17 | 1 | U/A | GEORGIA TECH |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | GUELPH |
| 1,281,467 | 11,250 | 61,895 | 0 | 14,275 | 11,705 | 1,354,612 | HARVARD |
| 76,528 | 0 | 96,590 | 0 | 28 | 269 | 173,118 | HAWAII |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | HOUSTON |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | HOWARD |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | ILLINOIS, CHICAGO |
| 370,732 | 0 | 0 | 0 | 2,583 | 2,327 | 370,732 | ILLINOIS, URBANA |
| 80,000 | 0 | 13,044 | 0 | 970 | 871 | 93,044 | INDIANA |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | IOWA |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | IOWA STATE |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | JOHNS HOPKINS |
| 99,646 | 2,116 | 0 | 0 | 892 | 4 | 101,762 | KANSAS |

TABLE V: PRESERVATION MICROFILMING

| INSTITUTION | Total Volumes Contract Film 1 | Total Volumes In-House Film 2 | Total Volumes Contract Fiche 3 | Total Volumes In-House Fiche 4 | Total Titles Contract Film 5 | Total Titles In-House Film 6 | Total Titles Contract Fiche 7 | Total Titles In-House Fiche 8 |
|----------------------|---|---|--|--|--|--|---|---|
| KENT STATE | U/A | U/A | U/A | U/A | U/A | U/A | U/A | U/A |
| KENTUCKY | 1,020 | 509 | 0 | 0 | 716 | 484 | 0 | 0 |
| LAVAL | 476 | 0 | 0 | 0 | 292 | 0 | 0 | 0 |
| LOUISIANA STATE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MCGILL | 169 | 0 | 0 | 0 | 148 | 0 | 0 | 0 |
| MCMASTER | 80 | 0 | 0 | 0 | 58 | 0 | 0 | 0 |
| MANITOBA | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MARYLAND | 29 | 0 | 0 | 0 | 29 | 0 | 0 | 0 |
| MASSACHUSETTS | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| MIT | 0 | 453 | 0 | 2,105 | 0 | 183 | 0 | 2,079 |
| MIAMI | 956 | 0 | 0 | 0 | 924 | 0 | 0 | 0 |
| MICHIGAN | 653 | 1,679 | 0 | 0 | 431 | 1,033 | 0 | 0 |
| MICHIGAN STATE | 591 | 0 | 0 | 0 | 546 | 0 | 0 | 0 |
| MINNESOTA | 2,088 | 0 | 0 | 0 | 63 | 0 | 0 | 0 |
| MISSOURI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEBRASKA | 0 | 8 | 0 | 0 | 0 | 4 | 0 | 0 |
| NEW MEXICO | 58 | 0 | 0 | 0 | 103 | 0 | 0 | 0 |
| NEW YORK | 848 | 0 | 0 | 0 | 678 | 0 | 0 | 0 |
| NORTH CAROLINA | U/A | 277 | U/A | U/A | U/A | U/A | U/A | U/A |
| NORTH CAROLINA STATE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTHWESTERN | 1,641 | 0 | U/A | 0 | U/A | 0 | U/A | 0 |
| NOTRE DAME | 3,737 | 0 | 0 | 0 | 1,509 | 0 | 0 | 0 |
| OHIO STATE | 232 | 0 | 0 | 4 | 187 | 0 | 0 | 2 |
| OKLAHOMA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OKLAHOMA STATE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OREGON | 0 | 0 | 0 | 0 | 200 | 66 | 300 | 0 |
| PENNSYLVANIA | 15 | 0 | 0 | 0 | 23 | 0 | 0 | 0 |
| PENNSYLVANIA STATE | 1,360 | 0 | 0 | 0 | 1,228 | 0 | 0 | 0 |
| PITTSBURGH | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 |
| PRINCETON | 5,671 | 30 | 0 | 0 | 5,059 | 24 | 0 | 0 |
| PURDUE | 111 | 0 | 0 | 0 | 50 | 0 | 0 | 0 |
| QUEEN'S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RICE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ROCHESTER | 484 | 0 | 0 | 0 | 65 | 0 | 0 | 0 |
| RUTGERS | U/A | U/A | U/A | U/A | U/A | U/A | U/A | U/A |
| SASKATCHEWAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SOUTH CAROLINA | U/A | U/A | 0 | 0 | U/A | 97 | 0 | 0 |
| SOUTHERN CALIFORNIA | 6,133 | 0 | 0 | 0 | 596 | 0 | 0 | 0 |
| SOUTHERN ILLINOIS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| STANFORD | 3,180 | 0 | 0 | 0 | 16,601 | 0 | 0 | 0 |
| SUNY-ALBANY | 85 | 0 | 0 | 0 | 49 | 0 | 0 | 0 |
| SUNY-BUFFALO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SUNY-STONY BROOK | 30 | 0 | 0 | 0 | 30 | 0 | 0 | 0 |
| SYRACUSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TEMPLE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE V: PRESERVATION MICROFILMING

| Total Exposures Contract Film 9 | Total Exposures In-House Film 10 | Total Exposures Contract Fiche 11 | Total Exposures In-House Fiche 12 | Preserv. Microfilm. Total Volumes 13 | Preserv. Microfilm. Total Titles 14 | Preserv. Microfilm. Total Exposures 15 | INSTITUTION |
|---------------------------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------------------|-------------------------------------|--|----------------------|
| U/A | U/A | U/A | U/A | 0 | 0 | 0 | KENT STATE |
| 123,131 | 180,674 | 0 | 0 | 1,529 | 1,200 | 303,805 | KENTUCKY |
| 139,630 | 0 | 0 | 0 | 476 | 292 | 139,630 | LAVAL |
| 0 | 156,870 | 0 | 0 | U/A | U/A | 156,870 | LOUISIANA STATE |
| 35,735 | 0 | 0 | 0 | 169 | 148 | 35,735 | MCGILL |
| 22,744 | 0 | 0 | 0 | 80 | 58 | 22,744 | MCMASTER |
| 30,000 | 0 | 0 | 0 | 500 | U/A | 30,000 | MANITOBA |
| 2,500 | 0 | 0 | 0 | 29 | 29 | 2,500 | MARYLAND |
| 11,174 | 0 | 0 | 0 | U/A | 4 | 11,174 | MASSACHUSETTS |
| 0 | 143,840 | 0 | 580,712 | 2,558 | 2,262 | 724,552 | MIT |
| 104,104 | 0 | 0 | 0 | 956 | 924 | 104,104 | MIAMI |
| 87,578 | 310,505 | 0 | 0 | 2,332 | 1,464 | 398,083 | MICHIGAN |
| 95,047 | 0 | 0 | 0 | 591 | 546 | 95,047 | MICHIGAN STATE |
| 248,448 | 0 | 0 | 0 | 2,088 | 63 | 248,448 | MINNESOTA |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | MISSOURI |
| 0 | U/A | 0 | 0 | 8 | 4 | U/A | NEBRASKA |
| 65,539 | 0 | 0 | 0 | 58 | 103 | 65,539 | NEW MEXICO |
| 162,867 | 0 | 0 | 0 | 848 | 678 | 162,867 | NEW YORK |
| U/A | 47,910 | U/A | U/A | 277 | U/A | 47,910 | NORTH CAROLINA |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | NORTH CAROLINA STATE |
| U/A | 0 | U/A | 0 | 1,641 | U/A | U/A | NORTHWESTERN |
| 972,526 | 0 | 0 | 0 | 3,737 | 1,509 | 972,526 | NOTRE DAME |
| 37,578 | 0 | 0 | 4,142 | 236 | 189 | 41,720 | OHIO STATE |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | OKLAHOMA |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | OKLAHOMA STATE |
| 0 | 690,200 | 0 | 0 | U/A | 566 | 690,200 | OREGON |
| 4,100 | 0 | 0 | 0 | 15 | 23 | 4,100 | PENNSYLVANIA |
| 0 | 0 | 0 | 0 | 1,360 | 1,228 | U/A | PENNSYLVANIA STATE |
| 6,219 | 0 | 0 | 0 | 7 | 7 | 6,219 | PITTSBURGH |
| 888,003 | 32,179 | 0 | 0 | 5,701 | 5,083 | 920,182 | PRINCETON |
| 18,705 | 0 | 0 | 0 | 111 | 50 | 18,705 | PURDUE |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | QUEEN'S |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | RICE |
| 86,409 | 0 | 0 | 0 | 484 | 65 | 86,409 | ROCHESTER |
| U/A | U/A | U/A | U/A | 0 | 0 | 0 | RUTGERS |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | SASKATCHEWAN |
| U/A | 291,714 | 0 | 0 | U/A | 97 | 291,714 | SOUTH CAROLINA |
| 124,028 | 0 | 0 | 0 | 6,133 | 596 | 124,028 | SOUTHERN CALIFORNIA |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | SOUTHERN ILLINOIS |
| 1,046,630 | 0 | 0 | 0 | 3,180 | 16,601 | 1,046,630 | STANFORD |
| 56,350 | 0 | 0 | 0 | 85 | 49 | 56,350 | SUNY-ALBANY |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | SUNY-BUFFALO |
| 6,824 | 0 | 0 | 0 | 30 | 30 | 6,824 | SUNY-STONY BROOK |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | SYRACUSE |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | TEMPLE |

TABLE V: PRESERVATION MICROFILMING

| INSTITUTION | Total Volumes Contract Film 1 | Total Volumes In-House Film 2 | Total Volumes Contract Fiche 3 | Total Volumes In-House Fiche 4 | Total Titles Contract Film 5 | Total Titles In-House Film 6 | Total Titles Contract Fiche 7 | Total Titles In-House Fiche 8 |
|---------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|
| TENNESSEE | 1,075 | 0 | 0 | 0 | 541 | 0 | 0 | 0 |
| TEXAS | 2,439 | 0 | 0 | 0 | 1,995 | 0 | 0 | 0 |
| TEXAS A&M | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TORONTO | 287 | 456 | 10 | 0 | 270 | 443 | 1 | 0 |
| TULANE | 1,577 | 0 | 0 | 0 | 1,491 | 0 | 0 | 0 |
| UTAH | 98 | 0 | 0 | 0 | 59 | 0 | 0 | 0 |
| VANDERBILT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VIRGINIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VPI & SU | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WASHINGTON | U/A | 0 | U/A | 0 | 38 | 0 | U/A | 0 |
| WASHINGTON STATE | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| WASHINGTON U.-ST. LOUIS | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WATERLOO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WAYNE STATE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WESTERN ONTARIO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WISCONSIN | 0 | 2,617 | 0 | 0 | 0 | 2,207 | 0 | 0 |
| YALE | 9,820 | 0 | 0 | 0 | 7,521 | 30 | 0 | 0 |
| YORK | U/A | U/A | 0 | 0 | 32 | U/A | 0 | 0 |
| BOSTON PUBLIC LIBRARY | 0 | 0 | 0 | 0 | 154 | 0 | 0 | 0 |
| CANADA INST. FOR SCITECH. | . | . | . | . | . | . | . | . |
| CENTER FOR RESEARCH LIBS. | 5,736 | 0 | 0 | 0 | 4,935 | 0 | 0 | 0 |
| LIBRARY OF CONGRESS | 0 | U/A | 0 | 0 | 0 | U/A | 0 | 0 |
| LINDA HALL LIBRARY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NATL. AGRICULTURAL LIB. | 143 | 0 | 0 | 0 | 51 | 0 | 0 | 0 |
| NATL. LIBRARY OF CANADA | 0 | 0 | 0 | 0 | 0 | 0 | 10,000 | 0 |
| NATL. LIBRARY OF MEDICINE | 5,154 | 0 | 0 | 0 | U/A | 0 | 0 | 0 |
| NEW YORK PUBLIC LIBRARY | 2,458 | 5,609 | 0 | 0 | 1,619 | 1,795 | 0 | 0 |
| NEW YORK STATE LIBRARY | 0 | U/A | U/A | U/A | 0 | 84 | 1,837 | 417 |
| SMITHSONIAN INSTITUTION | 652 | 0 | 384 | 0 | 321 | 0 | 367 | 0 |

| Type of Library | Total Volumes Contract Film 1 | Total Volumes In-House Film 2 | Total Volumes Contract Fiche 3 | Total Volumes In-House Fiche 4 | Total Titles Contract Film 5 | Total Titles In-House Film 6 | Total Titles Contract Fiche 7 | Total Titles In-House Fiche 8 |
|-----------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|
| University | | | | | | | | |
| Sum | 89,516 | 12,438 | 3,451 | 2,109 | 71,014 | 8,072 | 3,986 | 2,081 |
| Nonuniversity | | | | | | | | |
| Sum | 14,143 | 5,609 | 384 | 0 | 7,080 | 1,879 | 12,204 | 417 |
| TOTAL | | | | | | | | |
| Sum | 103,659 | 18,047 | 3,835 | 2,109 | 78,094 | 9,951 | 16,190 | 2,498 |

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| Total Exposures Contract Film 9 | Total Exposures In-House Film 10 | Total Exposures Contract Fiche 11 | Total Exposures In-House Fiche 12 | Preserv. Microfilm. Total Volumes 13 | Preserv. Microfilm. Total Titles 14 | Preserv. Microfilm. Total Exposures 15 | INSTITUTION |
|---------------------------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------------------|-------------------------------------|--|---------------------------|
| 329,552 | 0 | 0 | 0 | 1,075 | 541 | 329,552 | TENNESSEE |
| 515,021 | 15,200 | 0 | 0 | 2,439 | 1,995 | 530,221 | TEXAS |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | TEXAS A&M |
| 54,040 | 82,110 | 20,482 | 0 | 753 | 714 | 156,632 | TORONTO |
| 123,513 | 0 | 0 | 0 | 1,577 | 1,491 | 123,513 | TULANE |
| 30,939 | 0 | 0 | 0 | 98 | 59 | 30,939 | UTAH |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | VANDERBILT |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | VIRGINIA |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | VPI & SU |
| 72,782 | 0 | U/A | 0 | U/A | 38 | 72,782 | WASHINGTON |
| 0 | 0 | 0 | 0 | U/A | 2 | U/A | WASHINGTON STATE |
| 0 | 0 | 0 | 0 | 35 | U/A | U/A | WASHINGTON U.-ST. LOUIS |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | WATERLOO |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | WAYNE STATE |
| 1,600 | 0 | 0 | 0 | U/A | U/A | 1,600 | WESTERN ONTARIO |
| 0 | 675,000 | 0 | 0 | 2,617 | 2,207 | 675,000 | WISCONSIN |
| 1,384,630 | 3,543 | 0 | 0 | 9,820 | 7,551 | 1,388,173 | YALE |
| 34,260 | 2,317 | 0 | 0 | U/A | 32 | 36,577 | YORK |
| 355,808 | 0 | 0 | 0 | U/A | 154 | 355,808 | BOSTON PUBLIC LIBRARY |
| . | . | . | . | . | . | . | CANADA INST. FOR SCITECH. |
| 298,546 | 0 | 0 | 0 | 5,736 | 4,935 | 298,546 | CENTER FOR RESEARCH LIBS. |
| 0 | 4,431,486 | 0 | 0 | U/A | U/A | 4,431,486 | LIBRARY OF CONGRESS |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | LINDA HALL LIBRARY |
| 48,055 | 0 | 0 | 0 | 143 | 51 | 48,055 | NATL. AGRICULTURAL LIB. |
| 96,506 | 0 | 3,000,000 | 0 | U/A | 10,000 | 3,096,506 | NATL. LIBRARY OF CANADA |
| 1,425,134 | 0 | 0 | 0 | 5,154 | U/A | 1,425,134 | NATL. LIBRARY OF MEDICINE |
| 744,295 | 1,299,072 | 0 | 0 | 8,067 | 3,414 | 2,043,367 | NEW YORK PUBLIC LIBRARY |
| 0 | 300,492 | 171,000 | 67,900 | U/A | 2,338 | 539,392 | NEW YORK STATE LIBRARY |
| 124,329 | 0 | 46,872 | 0 | 1,036 | 688 | 171,201 | SMITHSONIAN INSTITUTION |

| Total Exposures Contract Film 9 | Total Exposures In-House Film 10 | Total Exposures Contract Fiche 11 | Total Exposures In-House Fiche 12 | Preserv. Microfilm. Total Volumes 13 | Preserv. Microfilm. Total Titles 14 | Preserv. Microfilm. Total Exposures 15 | Type of Library |
|---------------------------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------------------|-------------------------------------|--|----------------------|
| 12,754,690 | 3,958,929 | 192,181 | 584,854 | 107,514 | 85,153 | 17,490,654 | University Sum |
| 3,092,673 | 6,031,050 | 3,217,872 | 67,900 | 20,136 | 21,580 | 12,409,495 | Nonuniversity Sum |
| 15,847,363 | 9,989,979 | 3,410,053 | 652,754 | 127,650 | 106,733 | 29,900,149 | TOTAL Sum |

Part II: Analysis of Core Data for All Reporting Libraries

1. Organizational Structure

a. Preservation Administration

The most significant means for measuring the progress of ARL libraries in increasing their preservation efforts is to track the establishment of preservation programs managed by a preservation administrator. The data offer persuasive evidence that preservation programs have become a standard unit in research libraries. As displayed in the data tables, 92 institutions indicated that the library has appointed a preservation administrator, and of those, 61 libraries reported that the preservation program is managed by a full-time preservation administrator. Responses are summarized below.

Table 1. Administration of Preservation Programs

| | |
|--|-------------------|
| Full-time preservation administrator | <u>61</u> (53.0%) |
| Part-time preservation administrator who devotes 50% or more time to preservation activities, but not 100% | <u>9</u> (7.9%) |
| Part-time preservation administrator who devotes less than 50% of time to preservation activities | <u>22</u> (19.1%) |
| No preservation administrator | <u>23</u> (20.0%) |

b. Reporting Relationships

While most ARL libraries have separate preservation units, their placement is far from uniform. The 91² responses to the question on reporting relationships show that about a third of the preservation administrators report to the library director or associate library director. The next frequently found organizational pattern is a reporting relationship to the assistant/associate director for collection development. The third most-cited reporting relationship is to the assistant/associate director for technical services. The remaining libraries chose a variety of organizational options placing the preservation administrator within special collections, public services, or administrative services.

² Although 92 libraries reported a full-time preservation administrator, the University of Tennessee administers its preservation operations through a six-member preservation matrix organization, and is therefore not included in Table 2.

Although the placement of preservation departments within the library structure varies, with few exceptions, the preservation administrator reports to senior library management.

Table 2. Position to Which Preservation Administrator Reports

| | |
|--|-------------------|
| Director of Libraries/Associate Director | <u>29</u> (31.8%) |
| Assistant/Associate Director for Collection Management | <u>24</u> (26.4%) |
| Assistant/Associate Director for Technical Services | <u>18</u> (19.8%) |
| Assistant/Associate Director for Public Services | <u>6</u> (6.6%) |
| Other | <u>14</u> (15.4%) |

2. Personnel

The size of the staff reporting to the preservation administrator is a key factor in defining a library's level of preservation program development. The table below displays the correlation between number of professional staff FTE and the number of nonprofessional staff FTE and student assistant FTE in preservation units. The median figures for staff size are used as indicators of the midpoint in the distribution at which values cluster. The preservation administrator is included in the number of professional staff. (Total of 91 programs reported).

Table 3. Staffing Patterns of Preservation Programs

| <u>Number of Professionals</u> | <u>Median of Support Staff</u> | <u>Median of Student Assistants</u> | <u>Median of Total FTE</u> |
|--------------------------------|--------------------------------|-------------------------------------|----------------------------|
| 4 or more (17.6%) | 20.40 | 4.24 | 32.25 |
| 2 - 3.9 (23.1%) | 6.00 | 2.03 | 11.25 |
| 1 - 1.9 (29.7%) | 3.20 | 1.00 | 5.40 |
| less than 1 (29.7%) | 0.35 | 0.00 | 0.65 |

Reporting accurate statistics regarding the number of FTE staff engaged in preservation activities library-wide remains problematic. The variety and complexity of organizational structures make collecting the data a time-consuming and difficult burden for libraries. Even in libraries with large-scale preservation departments the data show that preservation cannot be completely assigned to that single organizational unit. Instead it is evident that there are preservation aspects in the work of almost every library unit and that preservation is a library-wide responsibility. The more decentralized preservation activities are and the more scattered staffs involved in preservation activities are, the more difficult it becomes to provide accurate data. Caution should be used in interpreting the data below, because of these problems. (Total of 113 libraries reporting data).

Table 4. Staffing Patterns of Preservation Activities Library-Wide

| <u>Number of Professionals</u> | <u>Median of Support Staff</u> | <u>Median of Student Assistants</u> | <u>Median of Total FTE</u> |
|--------------------------------|--------------------------------|-------------------------------------|----------------------------|
| 4 or more (20.4%) | 13.60 | 5.90 | 28.95 |
| 2 - 3.9 (21.2%) | 7.00 | 4.31 | 14.35 |
| 1 - 1.9 (30.1%) | 5.63 | 1.80 | 9.90 |
| less than 1 (28.3%) | 3.81 | 1.55 | 5.65 |

3. Expenditures

The financial support for preservation activities in ARL university libraries shows a substantial range from slightly more than \$170,000 to over \$4 million during fiscal year 1993-94. As a corollary, ARL university libraries spent from slightly less than 1% to as much as 10% of total operating budgets for preservation.

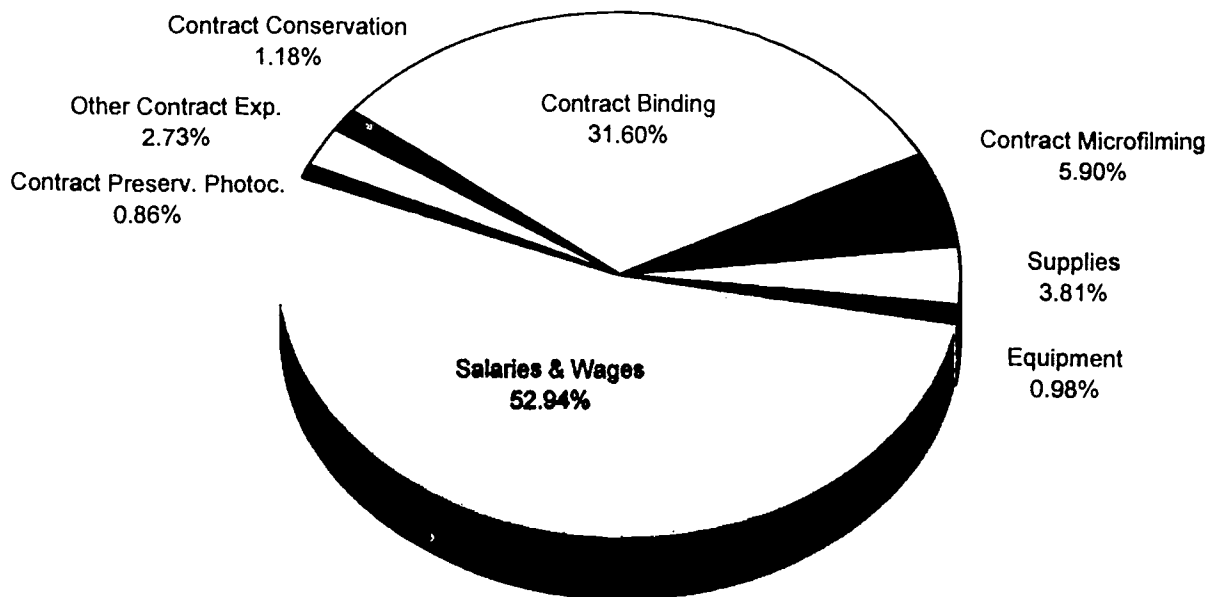
Table 5 summarizes preservation expenditures by displaying the midpoint for three ranges for all reporting ARL libraries. It also indicates corresponding median preservation expenditures as a percentage of total operating expenditures and as a percentage of materials expenditures.

The pie chart on page 40 highlights the allocation of preservation expenditures. Local needs and capabilities will determine the exact allocation of budgetary resources to various activities, but it is useful to look at the aggregate apportionment for ARL member libraries. As in past years, the largest category is salaries and wages, followed by binding expenditures. The chart displays the allocation of preservation expenditures based on data from all reporting ARL libraries.

Table 5. Preservation Expenditures

| | <u>Median of First Quartile</u> | <u>Median of All Responses</u> | <u>Median of Third Quartile</u> |
|--|---|--|---|
| Total Preservation Expenditures | \$1,060,274 | \$427,342 | \$340,683 |
| Preservation Expenditures as Percent of Total Library Expenditures | 5.13% | 3.27% | 2.90% |
| Preservation Expenditures as Percent of Materials Expenditures | 16.32% | 9.35% | 8.33% |

Preservation Expenditures, 1993-94



4. Conservation Treatment

Conservation treatments encompass an array of activities as defined in the instructions that accompanied the survey. Beginning in 1989-90, the amount of *time* required to complete conservation treatments has been used (i.e., "treatments that require 15 minutes or less to perform, more than 15 minutes but less than 2 hours, and more than 2 hours"). While the resulting data tell only how long the treatments take rather than how technically complex they are, results are more reliable and do not invite facile assumption about the nature of an institution's conservation program. The table below provides information on the number of volumes that received minor (Level 1) treatment and the number of volumes that were given more time-consuming intermediate (Level 2) and major (Level 3) conservation treatment. It is recognized that significant differences exist in the nature of treatments performed.

Table 6. Conservation Treatment

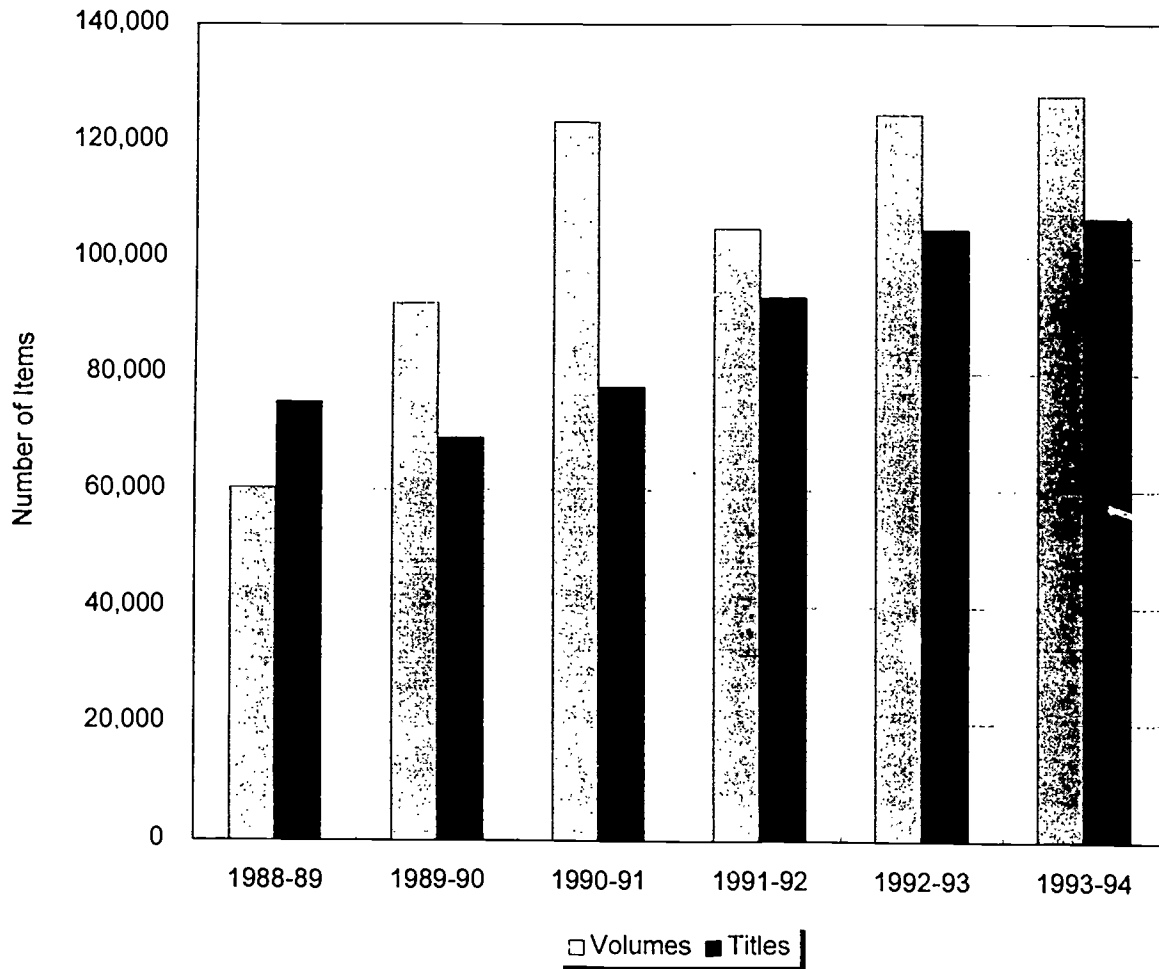
| | Median of First <u>Quartile</u> | Median of All <u>Responses</u> | Median of Third <u>Quartile</u> |
|--|---------------------------------------|--------------------------------------|---------------------------------------|
| Number of Volumes: Level 1 Treatment | 15,096 | 2,788 | 2,097 |
| Number of Volumes: Levels 2 & 3 Treatment | 5,071 | 1,229 | 896 |

5. Preservation Microfilming

One notable expansion in preservation activities is preservation microfilming. The *ARL Preservation Statistics* actually underreport total production among ARL members, because the reporting of preservation microfilming production remains problematic. The best indicator of preservation microfilming output is the total number of exposures or number of frames filmed. Another convenient measure is number of physical volumes filmed supplemented by the bibliographic count of the number titles filmed. Several libraries do not provide complete counts of exposures and other libraries do not report data for either the number of titles or volumes filmed. The data tables display figures as reported by member libraries for these three categories.

As noted earlier, the National Preservation Microfilming Program, initiated by the National Endowment for the Humanities in 1988, has had a substantial impact on preservation microfilming among the members of ARL. The chart below highlights the increase in number of volumes filmed over the past six years.

Production of Preservation Microfilm Masters



Number of Libraries Reporting

| | |
|---------|-----|
| 1988-89 | 107 |
| 1989-90 | 115 |
| 1990-91 | 117 |
| 1991-92 | 119 |
| 1992-93 | 114 |
| 1993-94 | 115 |

Part III: Analysis of Core Data by Size of Collection

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

In 1991, ARL published preservation program benchmarks for selected core activities in the *Preservation Program Models* report.³ The benchmarks were intended to serve as indicators of the level of effort that can be expected as a library's preservation program develops. The benchmarks reflect targets and are a useful tool for measuring progress toward meeting preservation needs. The tables in this section parallel the four size groupings of ARL libraries used in the *Preservation Program Models* report.⁴ These are collections of more than 5 million volumes, 3 to 5 million volumes, 2 to 3 million volumes, and less than 2 million volumes. For each size grouping, the tables provide medians for personnel, budget, and production. In this report, median figures are used as indicators of the midpoint in the distribution at which values cluster. The medians offer a composite measure for assessing the scale of local effort based on four different size groupings. The benchmarks reflected an ideal progression of preservation program development. They provide a useful tool for comparing the level of preservation services needed with the current level of activities. Libraries interested in that comparison may wish to consult the *Preservation Program Models* report.

The size groupings and number of libraries in each category are:

| | |
|-----------|--|
| Group 1:* | over 5 million volumes (20 libraries) |
| Group 2:+ | 3 to 5 million volumes (21 libraries) |
| Group 3:† | 2 to 3 million volumes (49 libraries) |
| Group 4:‡ | under 2 million volumes (25 libraries) |

The tables on pages 44 and 45 summarize the responses in five categories for each of the four size grouping.

| | |
|---|--|
| * | 1 library in this group reported no Preservation Unit |
| + | 5 libraries in this group reported no Preservation Unit |
| † | 12 libraries in this group reported no Preservation Unit |
| ‡ | 5 libraries in this group reported no Preservation Unit |

³ Jan Merrill-Oldham, Carolyn Clark Morrow, and Mark Roosa, *Preservation Program Models: A Study Project and Report* (Washington, D.C.: Association of Research Libraries, 1991).

⁴ The libraries in each group are determined by data submitted to the 1993-94 *ARL Statistics* (Washington, D.C.: Association of Research Libraries, 1995).

Table 7. Staffing Patterns of Preservation Programs

| | <u>Median of Professionals</u> | <u>Median of Support Staff</u> | <u>Median of Students FTE</u> | <u>Median of Total FTE</u> |
|---------|------------------------------------|------------------------------------|-----------------------------------|--------------------------------|
| Group 1 | 4.71 | 14.09 | 2.90 | 25.57 |
| Group 2 | 1.00 | 2.75 | 1.10 | 4.38 |
| Group 3 | 0.50 | 2.00 | 0.50 | 5.60 |
| Group 4 | 0.25 | 0.95 | 0.00 | 2.60 |

Table 8. Staffing Patterns of Preservation Activities Library-wide

| | <u>Median of Professionals</u> | <u>Median of Support Staff</u> | <u>Median of Students FTE</u> | <u>Median of Total FTE</u> |
|---------|------------------------------------|------------------------------------|-----------------------------------|--------------------------------|
| Group 1 | 7.80 | 18.88 | 5.95 | 30.99 |
| Group 2 | 1.59 | 7.73 | 4.68 | 13.61 |
| Group 3 | 1.24 | 6.19 | 2.20 | 11.35 |
| Group 4 | 0.65 | 4.00 | 1.00 | 6.50 |

Table 9. Preservation Expenditures

| | <u>Median of Total Preservation Expenditures</u> | <u>Median of Pres. Exp. as % of Total Library Exp.</u> | <u>Median of Pres. Exp. as % of Materials Expend.</u> |
|---------|--|--|---|
| Group 1 | \$1,259,939 | 4.56% | 15.95% |
| Group 2 | \$523,668 | 3.32% | 8.97% |
| Group 3 | \$369,991 | 3.30% | 9.02% |
| Group 4 | \$247,491 | 2.80% | 7.34% |

Table 10. Conservation Treatment

| | <u>Median of Level 1 Treatment</u> | <u>Median of Level 2 Treatment</u> | <u>Median of Level 3 Treatment</u> |
|---------|--|--|--|
| Group 1 | 6,107 | 2,793 | 265 |
| Group 2 | 3,276 | 993 | 29 |
| Group 3 | 2,923 | 998 | 5 |
| Group 4 | 1,508 | 896 | 11 |

Table 11. Contract Binding

| | <u>Median of Contract Binding Expenditures</u> | <u>Median of Number of Volumes Bound</u> |
|---------|--|--|
| Group 1 | \$385,104 | 51,319 |
| Group 2 | \$239,704 | 35,594 |
| Group 3 | \$153,674 | 19,476 |
| Group 4 | \$95,366 | 12,719 |

ARL PRESERVATION STATISTICS QUESTIONNAIRE 1993-94

GENERAL INSTRUCTIONS

1. Please enter your data on the ARL Preservation Statistics diskette. The printed copy of the questionnaire is a worksheet provided for your convenience. Be sure to read the "ARL Preservation Statistics Documentation" as well as these Instructions before beginning to input data.

Return one copy of the diskette to the ARL Office by **November 30, 1994** as well as a copy of the **worksheet** and retain a copy of the diskette and the worksheet for your records. If you have problems with your diskette or have questions about the procedure to be followed in completing the survey, contact the ARL Office.

2. **Please read all instructions carefully before you answer the questionnaire.** Make your responses as complete and accurate as possible. Give estimates where you must, but please do not make wild guesses. Use the "FOOTNOTES" section to expand upon or clarify your responses.
3. All questions assume **a fiscal year ending June 30, 1994. If your library's fiscal year is different, please use the "FOOTNOTES" section to explain.**
4. **Do not leave entries blank.** If your library does not perform a given function or had no activity on this function, enter 0. If your library performs a function but data are not available, enter -1 for U/A (Unavailable).
5. Use the same basis for reporting as is used in responding to the main *ARL Statistics* questionnaire. For example, if in *ARL Statistics* you normally include data for a law library and/or a medical library, also include those libraries in response to this survey.
6. 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, Integrated Postsecondary Education Data System (IPEDS) defines 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 explain in a footnote in the "FOOTNOTES" section.
7. 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.
8. Preservation data are not easy to define or to record in precise categories, and preservation terminology is not yet fixed. If you have difficulty interpreting the questionnaire or are uncertain how its data categories apply in your situation, contact Jutta Reed-Scott, ARL Senior Program Officer, (202) 296-2296; e-mail: jutta@cni.org.

SPECIFIC INSTRUCTIONS

9. For the purposes of this survey, the elements of a "preservation program" include: **conservation treatment, commercial binding, mass treatment and reproduction** (i.e., preservation photocopying and preservation microfilming). While shelf preparation activities (e.g., plating, labeling, insertion of security devices) and stack maintenance have obvious preservation implications and may comprise units that are supervised by the preservation administrator, they fall outside the scope of this survey.

The terms **commercial binding, conservation treatment, preservation photocopying, mass deacidification, and preservation microfilming** are defined in the instructions below.

10. **Question 1.** Does the library have a preservation administrator, whether part-time or full-time, who manages a partial or comprehensive preservation program? If it does not, respond no and skip questions 2, 3, and 4.
11. **Question 2.** What percentage of the preservation administrator's total job assignment is dedicated to preservation activities and preservation management? If the library has a full-time preservation administrator, general management activities (e.g., meeting attendance, committee work) should be considered an integral part of the administrator's responsibilities, and the answer to this question recorded as 100%. In contrast, where the preservation administrator has a dual assignment (e.g., where he or she also has significant responsibilities as a serials librarian, bibliographer, or curator), the percentage of time devoted to preservation activities and preservation management should be calculated. If the library has no preservation administrator, leave blank.
12. **Question 3.** Record the job title (e.g., "Associate Director for Collection Development"), not the name of the person to whom the preservation administrator reports. If the library has no preservation administrator, leave blank.
13. **Questions 4-5.** FTE (i.e., "Full-Time Equivalent") is the numerical representation of full- and part-time work activities. A person working full-time is represented by an FTE of 1.00; a person working half-time by an FTE of 0.50. Three persons working half-time are represented by a combined FTE of 1.50. The number of FTE staff should be determined on the basis of the length of the work week in the reporting library. **Round figures to the nearest two decimal places.**

Record FTE staff in filled positions or positions that are only temporarily vacant on the date that ends the library's fiscal year. Include staff hired for special projects, internships, and grants, but provide an explanatory note in the "FOOTNOTES" section indicating the FTE of such staff. The "FOOTNOTES" section should also be used to record such information as the number of hours worked by volunteers, or the number of months that a full-time position was vacant during the year.

For the purposes of this survey, report trained professional conservators and photographers (senior practitioners rather than technicians) in the "professional" category, whether or not they have a master's degree in library science.

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

15. **Question 5.** When calculating the FTE staff involved in preservation activities library-wide, the following activities should be included regardless of the department or library to which staff report: conservation, commercial binding preparation, preservation microfilming and photocopying, mass treatment, preservation related bibliographic searching and decision-making, and quality control.

This figure should include staff who report to the preservation administrator, as recorded in question #4. The total FTE should reflect preservation staff based on their responsibilities, not on their place in the library's organizational structure. For example, a student assistant who works 0.20 FTE, devoting half-time to pamphlet binding and the rest to non-preservation-activities would be included in the "Student Assistants" section of this questionnaire as 0.10 FTE. A staff member who devotes half-time to preparing volumes for commercial binding and half time to serials check-in would be included as 0.50 FTE.

16. **Question 6-11.** Sources of funds are irrelevant in responding to questions #6-11. Report all expenditures of funds that come to the library from the regular institutional budget and from other sources, such as research grants and fees for services.
17. **Questions 6-11.** Canadian libraries should report expenditures only in Canadian dollars. These amounts will be translated into U.S. dollars using a conversion exchange rate of 1.3381 Canadian dollars to 1 U.S. dollar, which was determined using the average monthly noon exchange rate published in the Bank of Canada Review for the period July 1993 through June 1994.
18. **Questions 6a-6d.** These questions refer to salaries paid to staff engaged in preservation activities library wide; therefore record salaries for staff reported in response to question #5. Do not include fringe benefits.
19. **Question 6d.** This answer is the sum of the answers to questions #6a through #6c.
20. **Question 7. Contract expenditures** refers to expenditures for preservation services for which the library is invoiced by an outside vendor, organization, or individual (e.g., a professional conservator, commercial library binder, or commercial microfilming service).
21. **Question 7a.**

Conservation treatment: Refers to the remedial and protective treatment (both mechanical and chemical) of papers, hard-bound and soft-bound volumes, photographic materials, films, magnetic tapes, disks, and other library materials to restore them to usable condition and/or to extend their useful lives. Also refers to the construction of protective enclosures (e.g., wrappers, jackets, boxes) for library materials. The term "conservation" implies item-by-item examination of materials for the purpose of making appropriate treatment decisions, and use of archivally sound methods and materials. For examples of types of conservation treatments see instructions for questions #12-18.

Record fees paid to regional conservation centers and to private conservators. Also record fees paid to commercial binders for conservation services such as box making, deacidification, and encapsulation. If fees paid to commercial binders for phase boxes and other items and treatments have been recorded on the main 1993-94 *ARL Statistics* in question #6, please note that here to preclude double reporting.

22. **Question 7b.**

Commercial binding: Refers to the binding and rebinding performed by commercial library binderies, as described in the *Library Binding Institute Standard for Library Binding*, 8th edition (Rochester: Library Binding Institute, 1986). Commercial library binderies are characterized by the presence of overseeing machines; Smythe-type sewing machines; double-fan adhesive binding equipment; and automated rounders and backers, hydraulic presses, and spine stamping equipment.

This figure should be the same dollar amount reported on the main 1993-94 *ARL Statistics* survey in question #6. Any variation from this figure should be explained in the "FOOTNOTES" section.

Those libraries that pay fees to a university-operated "commercial" type bindery, should record expenditures in the blank provided and make a note in the "FOOTNOTES" section.

23. **Question 7e.** Other contract expenditures might include fees paid for commercial freeze-drying, fumigating, or mass-deacidification of library materials, mass paper strengthening treatment, membership fees for use of regional conservation facilities, and equipment repairs. Use the "FOOTNOTES" section of the diskette to note the amount and nature of major expenditures.

24. **Question 7f.** This answer is the sum of the answers to questions #7a through #7e.

25. **Question 8.** Supplies include materials used for conservation treatment (e.g., papers, book cloths, adhesives, pamphlet binders, box board, chemicals, expendable filters for water systems); prefabricated archival quality protective enclosures used for storage of papers, microforms, photographs, videotapes, and other library materials (i.e., the boxes, wrappers, file folders, and envelopes available through supply catalogs); paper used for preservation photocopying; and film, chemicals, and other supplies used for preservation microfilming. Expenditures for equipment and tools costing under \$100 should be recorded here. Expenditures for security labels and stamps, book pockets, call number and bar code labels, and book plates fall outside the scope of this survey and should not be recorded.

Since use of prefabricated boxes, wrappers, folders, and envelopes can involve a wide variety of library materials (e.g., books, manuscripts, maps, microfiche, microfilm, photographic prints, slides, various recorded sound media), as well as large and diverse supply inventories, statistics for these activities are difficult to collect. For the purposes of this survey, therefore, the expenditures for supplies, as recorded in question #8, will suffice as a measure of effort.

26. **Question 9.** Record expenditures for equipment and tools costing over \$100, such as machinery (e.g., board shears, fume hoods, microfilming cameras, photocopy machines used exclusively for preservation photocopying), furniture (e.g., laboratory benches, chemical supply cabinets), and computer hardware purchased for exclusive use by a preservation department for such purposes as conservation management, bindery preparation, and bibliographic searching related to preservation decision making. Capital expenditures for building renovations (e.g., the construction of a conservation facility) or for construction that results in improved housing of library materials (such as replacement of heating, ventilating, and air conditioning systems) should be recorded in the "FOOTNOTES" section.
27. **Question 10.** This answer is the sum of the answers to questions #6d, #7f, #8, and #9. At this time, it is not possible to enter the total independently of the component figures, i.e., "U/A" entered will count as "0." If you can provide a total figure in one of these fields, even though one or more of the component fields are "Unavailable," please provide this information in a footnote in the "FOOTNOTES" section of the diskette.

Certain preservation-related expenses are not requested in this survey (e.g., the cost of staff travel and training, printing brochures and posters, purchasing reference materials). If significant, these should be noted in the "FOOTNOTES" section.

28. **Question 11.** These are expenditures that are funded by special grants from external sources. Examples include staff salaries or the purchase of a major piece of equipment supported by a granting agency to undertake a grant-funded project.

Record total preservation expenditures that came from external agencies in the form of grants from July 1, 1993 through June 30, 1994 (or the library's equivalent fiscal year). Funds allocated from the library's regular operating budget (including gifts, royalties, endowment income, and special funds provided to the library by its parent institution) are regarded as internal and should not be reflected here.

29. **Questions 12-23.** Contract services are those for which the library is invoiced by an outside organization (e.g., a regional microfilming service), by an individual (e.g., a private conservator), or by a university operated "commercial" type bindery. In-house activities are those that are performed within the library and funded through the library's regular operating budget.
30. **Questions 12-14.** Answers to these questions should be mutually exclusive. **While any given volume may receive several conservation treatments, it should be recorded only once, in response to question #12, 13, or 14, in the category representing the highest level of sophistication.** For example, when an errata sheet is tipped in, it should be recorded only once as a "level 1 treatment" (question #12). Treatment of the pages of a volume or pamphlet should not be recorded under "unbound sheets" (question #16), even if the volume is disbound at the time the pages are treated. Rather, treatment of the volume should be recorded once, in response to question #12, #13, or #14, whichever is appropriate.

When a volume receives conservation treatment and a box is made for it, however, the conservation treatment should be recorded in response to question #12, #13, or #14, and the boxing should be recorded in response to question #18. In the same vein, when the pages of a book are repaired and the book is sent to a commercial bindery, the volume should be recorded in response to both "level 1 conservation treatment" (question #12) and "commercial binding" (question #19). Items that are sent to a commercial bindery without being repaired should not be reported in the "Conservation Treatment" section even if they have been inspected by a conservator.

Conservation encompasses a wide range of treatments, including binding pamphlets and paperbacks in-house, temporary serials binding, tipping-in errata sheets and other inserts, making pockets for loose parts such as maps and charts, slitting uncut pages, making page repairs, removing tapes and stains from pages, repairing text blocks (either before, or instead of sending them out for commercial binding), tightening hinges, replacing endpapers, rebacking, recasing, and rebinding. Treatments range from minor procedures that can be done relatively quickly by technicians to major procedures that require the skill and judgment of a conservator, involve written and photographic documentation, and are mechanically and chemically complex.

Conservation may also include item-by-item remedial treatment (NOT mass treatment) of individual items damaged by water, fire, and mold. For the purposes of this survey, the cost of mass treatments such as freeze drying and fumigation, as recorded in response to question #7e, "other contract expenditures," will suffice as a measure of effort.

Because the nature of procedures and the level of in-house conservation expertise varies significantly from library to library, and the degree of skill required to perform a particular treatment varies case by case, establishing criteria that assigns levels of sophistication to various treatments is problematic. In order to reflect the resource implications of conservation work as uniformly as possible across ARL libraries, treatments should be recorded based on the length of time that they require to perform. Use of archivally sound methods and materials is presumed in all cases.

31. **Question 12.** Level 1 conservation treatments are those that require 15 minutes or less to perform.
32. **Question 13.** Level 2 treatments are those that require more than 15 minutes but less than two hours to perform.
33. **Question 14.** Level 3 conservation treatments are those that require more than two hours to perform.
34. **Question 15.** This answer is the sum of the answers to questions #12-14. **It should reflect the total number of volumes (including pamphlets) that were treated, and not the total number of treatments performed.**
35. **Question 16.** Unbound sheets include items such as manuscripts, maps, posters, and works of art on paper. Procedures include a variety of remedial mechanical and chemical treatments (e.g., surface cleaning, washing, deacidifying, encapsulating, mounting, matting) that lengthen the life of the item. Include paper repairs that are made using methods and materials that are archivally sound and appropriate for the item being mended. **Report the total number of sheets of paper that were treated, and not the total number of treatments performed.**

36. **Question 17.** Non-paper items include such materials as films, magnetic tapes, disks, globes, and artifacts. Treatment of photographic materials is also reported here. Treatments might include cleaning, splicing, reformatting (e.g., from film to video tape), and duplicating for preservation purposes. The microfilming of photographs, however, should be recorded in response to question #23.
37. **Question 18.** "Custom-fitted enclosures" can be distinguished from the prefabricated boxes and other enclosures identified in question #8 as "supplies," in that the former are custom-made for the item that they are meant to protect, and the latter are standard-size enclosures available from supply catalogs. Custom-fitted enclosures include paper and polyester book jackets, paper and board wrappers, portfolios, phase boxes, double-tray boxes, and other boxes. (Polyester encapsulation of single sheets should not be reported here, but rather, in response to question #16.) Use of archival quality methods and materials is implicit.
38. **Question 19.** Record all volumes (including pamphlets) bound or rebound by a commercial bindery. In those cases where a university operates a "commercial" type bindery (see definition of commercial binding, instruction #20 above), and fees are paid to that bindery, enter data under "Contract" and make a note in the "FOOTNOTES" section.
39. **Questions 20-21.**

Mass deacidification is a process by which books and papers are treated to neutralize acidity and to introduce an alkaline buffer. Materials are mass-deacidified in batches, in chambers that hold several (or many) items. Item-by-item deacidification of volumes and papers, as performed by conservators and conservation technicians, should be regarded as conservation treatment and recorded in response to question #14, not here.

While mass deacidification is not yet being carried out routinely by libraries, this question has appeared in earlier *ARL Preservation Statistics* questionnaires to establish base line data. Subsequent annual responses will serve as a measure of growth in deacidification activity over time.

40. **Question 21.** Record the number of linear feet of manuscripts and other papers actually treated, not the number of linear feet of shelving emptied for treatment.
41. **Questions 22.**

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

Record the number of bound volumes and pamphlets photocopied in their entirety (i.e., each page has been photocopied such that a facsimile volume is produced).

42. **Question 23.**

Preservation microfilming includes preparation of materials for microfilming, filming itself, processing, inspection, and subsequent disposition of both film and materials filmed. Adherence to preservation-related American National Standards Institute standards and Association for Information and Image Management standards for film stock, production, and storage is implicit.

Record data only for first-generation microforms. For monographs and serials (including newspapers), record data in all three categories (i.e., "volumes," "titles," "exposures"), if possible. For materials such as archives, manuscripts, maps, and photographs, record exposures only. Because this is likely to capture information on diverse types of materials, use the "FOOTNOTES" section to indicate the nature of major projects, e.g., "1,590 photographs filmed from the 19th Century Russian Collection; 12,493 manuscripts filmed from the Johnson Historical Collection."

An "exposure" is one frame of film. Please indicate in a footnote if the number of exposures reported includes all filming, or if the number reflects only filming of such materials as archives, manuscripts, maps, and photographs, where no title or volumes counts are available.

Include data for projects that are undertaken cooperatively with other libraries, but not for commercial projects in which the library participates (such as a situation in which a commercial vendor borrows library materials for filming and subsequent sale of the film). When the library serves as a commercial microfilming vendor for another institution, this filming should be recorded by the library that contracts to have the filming done, and not by the filming library.

Record preservation microform masters that result from the copying of non-archival or damaged film. Use the "FOOTNOTES" section to indicate what percentage of all master negative film is produced by copying existing film, rather than by filming original material.

Dissertations that are sent to University Microfilms International for filming should not be recorded.

43. **Footnotes.** Reporting libraries are urged to record in the "FOOTNOTES" section to report any information that would clarify the figures submitted, e.g., the inclusion of branch campus libraries (see instruction #6 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 1992-93 *ARL Preservation Statistics* is included with the printed copy of the questionnaire. **Please update these notes, delete them, or indicate that they remain valid.** (Note that the numbers on the printed worksheet refer to the columns in the main data tables, e.g. I-5 is line 5 in Table I in the published *Preservation Statistics*. If you add new footnotes, please use the line numbers in the questionnaire.)
44. Return one copy of the diskette to the ARL Office by **November 30, 1994** and retain the worksheet and a copy of the diskette for your records. If there are any questions about the procedure to be followed in completing the survey, contact the ARL Office.

ARL PRESERVATION STATISTICS QUESTIONNAIRE

1993-94

PLEASE READ THE ACCOMPANYING INSTRUCTIONS BEFORE RESPONDING. NOTE: If the appropriate answer is zero, none, or not applicable, use 0. If an exact figure is unavailable, use -1 for U/A, i.e. unavailable.

Reporting Institution _____ Date Returned to ARL _____

Questionnaire Completed by (Name) _____

Title and Department _____

Phone number _____ e-mail address _____

ADMINISTRATION

1. Does the library have a preservation administrator (yes/no) 1. _____
2. If yes, what percentage of the administrator's total job assignment is dedicated to preservation activities and preservation program management? 2. _____%
3. If yes, what is the job title of the person to whom the preservation administrator reports?

PERSONNEL

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

| Professional Staff FTE | Support Staff FTE | Student Assistants FTE | Total Staff FTE |
|------------------------|-------------------|------------------------|-----------------|
| 4A. _____ | 4B. _____ | 4C. _____ | 4D. _____ |

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

| Professional Staff FTE | Support Staff FTE | Student Assistants FTE | Total Staff FTE |
|------------------------|-------------------|------------------------|-----------------|
| 5A. _____ | 5B. _____ | 5C. _____ | 5D. _____ |

ARL Preservation Statistics Questionnaire, page 3

CONSERVATION TREATMENT

CONTRACT

IN-HOUSE

- 12. Number of volumes (including pamphlets) given level 1 conservation treatment 12A. _____ 12B. _____
- 13. Number of volumes (including pamphlets) given level 2 conservation treatment 13A. _____ 13B. _____
- 14. Number of volumes (including pamphlets) given level 3 conservation treatment 14A. _____ 14B. _____
- 15. TOTAL number of volumes (including pamphlets) given conservation treatment (Add lines 12, 13, & 14) 15A. _____ 15B. _____
- 16. Number of unbound sheets given conservation treatment 16A. _____ 16B. _____
- 17. Number of photographs and non-paper items given conservation treatment 17A. _____ 17B. _____
- 18. Number of custom-fitted protective enclosures constructed 18A. _____ 18B. _____

BINDING

- 19. Number of volumes commercially bound or rebound (or bound in-house using methods and materials typically used by the commercial library binding industry) 19A. _____ 19B. _____

MASS TREATMENT

- 20. Number of bound volumes and pamphlets mass-deacidified 20A. _____ 20B. _____
- 21. Number of linear feet of manuscripts mass-deacidified 21A. _____ 21B. _____

PRESERVATION PHOTOCOPYING

- 22. Number of bound volumes and pamphlets photocopied in their entirety 22A. _____ 22B. _____

PRESERVATION MICROFILMING PRODUCTION

| 23. TOTAL Microfilming Production | CONTRACT ROLL FILM | IN-HOUSE ROLL FILM | CONTRACT FICHE | IN-HOUSE FICHE |
|-----------------------------------|-----------------------|-----------------------|-------------------|-------------------|
| 23a. Volumes | 1. _____ | 2. _____ | 3. _____ | 4. _____ |
| 23b. Titles | 1. _____ | 2. _____ | 3. _____ | 4. _____ |
| 23c. Exposures | 1. _____ | 2. _____ | 3. _____ | 4. _____ |

FOOTNOTES

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 Med. Library
3. Other main campus libraries *not* included: (listed in "Footnotes" below)
4. Figures include reports from branch CAMPUS libraries.
 Yes No We have only one campus

If branch campus libraries are included, please specify which campuses in the footnotes below.

If branch campus libraries are *not* included, please specify which campuses in the footnotes below:

5. Are there any additional footnotes? Yes No

Please indicate revisions, additions, and deletions in the 1992-93 ARL Preservation Statistics footnotes. If any footnotes published last year are unchanged, please mark to indicate that they are still valid. The numbers refer to columns in the main data tables in the publication, e.g. 1-5 is line 5 in Table 1.

PLEASE RETURN COMPLETED SURVEY DISKETTE TO THE ARL OFFICE BY NOVEMBER 30, 1994.

Association of Research Libraries, 21 Dupont Circle, Suite 800, Washington, DC 20036 (202) 296-2296
FAX (202) 872-0884. Please contact Jutta Reed-Scott (jutta@cni.org) or Martha Kyrillidou (martha@cni.org) for assistance with this questionnaire.

FOOTNOTES TO THE ARL PRESERVATION STATISTICS 1993-94

| Institution | Category from Main Tables (Table, column) | Notes |
|-----------------------|---|--|
| ALABAMA | | <p>Figures are for fiscal year ending September 30, 1994.</p> <p>There are no figures included from the University of Alabama in Birmingham or the University of Alabama in Huntsville.</p> |
| | I, 2 | Preservation administrator in Law Library dedicates 10% of total job assignment to preservation activities. |
| ALBERTA | II, 12, 14 | Expenditures in Canadian dollars were: (12) 20,641,158; (14) \$6,578,387. |
| ARIZONA | | Due to our library-wide restructuring this past year, the data provided herein best reflect only what is available to us at this point. |
| ARIZONA STATE | | Includes Law and ASU West Library |
| | I, 3-6 | Excludes 1 frozen professional Collections Conservator position. |
| AUBURN | | Figures are for fiscal year ending September 30, 1994. |
| | II, 8 | Supplies are purchased centrally for all library departments: specific break-down is unavailable. |
| | II, 9 | Represents equipment maintenance rather than purchases. |
| BOSTON | | Includes Law, Medical, and Theology Libraries. |
| BOSTON PUBLIC LIBRARY | | Preservation activities are administered by departments with a Preservation Laboratory attached to the Rare Books Department. |
| BRITISH COLUMBIA | | <p>Fiscal year for University of British Columbia is April 1 to March 31: these statistics represent ARL fiscal year July 1 to June 30.</p> <p>Includes Law and Medical Libraries, and hospital branch libraries at Vancouver General, St. Paul's, Children's and Woman's Hospitals.</p> |
| | V, 1 | Includes British Columbia Sessional Papers and two newspapers. |
| | V, 9 | Includes 9,455 archival images from the James G. Swan Papers. |
| | II, 1-12; 14 | Expenditures in Canadian dollars were: (1) \$332,523; (2) 0; (3) \$251,181; (4) 0; (5) \$48,908; (6) \$5,573; (7) \$305,662; (8) \$7,298; (9) \$448; (10) \$645,931; (11) \$70,414; (12) \$26,124,028; (14) \$8,276,556. |
| BRIGHAM YOUNG | | <p>Figures are for fiscal year ending August 31, 1994.</p> <p>Excludes Law Library and branch campus libraries at Brigham Young University Hawaii Campus and Jerusalem Center.</p> |
| | II, 1 | Salaries do not include two full-time vacant positions during fiscal year 1993-94. |

| Institution | Category from Main Tables (Table, column) | Notes |
|-------------------------|--|--|
| BROWN | | Includes Medical Library; excludes J. Carter Brown Library. |
| | II, 5 | Microfilming was funded through the RLG/NEH GCMP II grant. |
| | V, 9 | Figures reflect master negative reels. Excludes duplicating negatives and positive use copy. |
| CALIFORNIA, BERKELEY | | Excludes Law Library |
| | I, 8-9 | The increase in Conservation Department support staff and GA reflects a new department focus for grant projects which includes processing for manuscript collections. |
| | II, 3 | Figure reported includes expenditures for the Law Library and a few other affiliated libraries for which no other preservation statistics are reported. Excluding those libraries, U.C. Berkeley spent \$791,360 on library binding. |
| | II, 6 | Figures reflect expenses for contracted support staff hired to complete a major stack cleaning project. |
| | III, 3 | Figure includes conservation treatment taking less than fifteen minutes, for which separate statistics are not taken. |
| | V, 1-4 | Only roll film is created; no microfiche production. |
| CALIFORNIA, DAVIS | | Excludes Law, Medical, and Health Sciences Libraries. |
| | II, 3 | Includes University Bindery. Excludes Law and Medical Libraries, and supplies expenditures included in figure reported to 1993-94 ARL Statistics. |
| | II, 6 | Includes commercially available reprints purchased to replace existing brittle volumes. |
| | II, 11 | Figure represents University of California Preservation Program funds. |
| CALIFORNIA, IRVINE | | Includes figures for Medical Library. |
| CALIFORNIA, LOS ANGELES | | Includes Law and Medical Libraries. |
| | II, 3 | Figure does not match that reported to the 1993-94 ARL Statistics, because it excludes \$45,650 reported in line II, 2 (Contract Conservation) and \$76,617 included in line II, 8 (Supplies). |
| | II, 6 | Other contract expenditures includes \$4,060 to remaster 125 field interview audio cassettes. |
| | IV, 1-2 | Contract library binding is done by the University of California's Bindery. |
| CALIFORNIA, SAN DIEGO | I, 10 | In addition, 375 hours were worked by volunteers. |
| | I, 7; 10 | Includes .875 FTE for special projects, paid with grant funds. |
| | II, 3 | Differs from ARL statistics because ARL statistics reflect actual expenditures, while ARL Preservation Statistics reflect expense for volumes sent to Bindery for which charges lag by two months. |
| | V, 9 | Includes 33,749 exposures from two manuscript collections. |

| Institution | Category from Main Tables (Table, column) | Notes |
|---------------------------|---|--|
| CALIFORNIA, SANTA BARBARA | III, 4, 6 | Volumes given level 2 and level 3 treatment included in level 1 (III, 2). |
| CANADA INST. FOR SCITECH. | II, 12, 14 | Expenditures in Canadian dollars were: (12) \$24,652,200; (14) \$9,000,000. |
| CASE WESTERN RESERVE | II, 2 | Includes Law, Medical, and the Mandel School of Applied Social Sciences Libraries. \$768 is for mass deacidification. (\$5,241 for contract lamination and \$931 for contract phase boxes is included in table II, 3, so it was not reported here.) |
| CENTER FOR RESEARCH LIBS. | II, 6 | Print master storage. |
| | II, 11 | Includes funds from grants and restricted funds. |
| | V, 9 | Number of exposures for two grant projects not available. |
| CHICAGO | | Includes Law and Medical Libraries. |
| | IV, 5 | 30 flat maps |
| | IV, 7 | Reported figure does not include 1,200 single sheets for Special Collections. |
| CINCINNATI | | Includes Law and Medical Libraries. Excludes branch campus libraries at Raymond Walters College and Clermont College. |
| | I | Due to the reorganization of the Access Services Division, the former Department Head and several FTE were reassigned to other departments. |
| COLORADO | | Includes Law Library. |
| COLUMBIA | I, 6 | Staff hired for Special Projects, Internships, Grants is 24.4 FTE. |
| | II, 3 | Contract Commercial Binding includes \$42,250 of Law Library expense and \$66,383 of Health Sciences Library expense. No other Law Library or Health Science Library preservation expenses are included in these statistics. |
| | | Clam shell boxes and other complex protective enclosures are included in Contract Conservation; phase boxes and other simple protective enclosures produced by our commercial binder are included in II, 3. |
| | III, 12 | This number represents only boxes constructed by professional conservators. Phase boxes and other fitted enclosures constructed by our commercial binder are included in IV, 1. |
| CONNECTICUT | | Includes Medical, Law, and Greater Hartford Campus Libraries. Excludes branch campus libraries at Avery Point, Stamford, Waterbury, and Litchfield County Center for Higher Education. |
| | II, 2 | Includes \$24,944 for boxes purchased from a commercial binder and charged to the commercial binding budget; \$8,446 for reproduction of film onto videotape, \$15,218 for mass deacidification, and \$1,090 for conservation treatment. |
| | II, 3 | Figure differs from the \$258,134 reported in the 1993-94 ARL Statistics because expenditures for commercially-made boxes (\$24,944) have been subtracted and recorded under "Contract Conservation (II, 2)." |

| Institution | Category from Main Tables (Table, column) | Notes |
|----------------------|--|--|
| CONNECTICUT (cont'd) | II, 11 | Includes \$3,942 LSCA Title III preservation grant from the Connecticut State Library and \$8,446 from UConn Class of '42. |
| | III, 9-10 | 1 wall map treated by a regional conservation center. |
| | III, 11 | Figure represents 49 reels of 16-mm. cellulose acetate film copied to videotape (master, sub-master, and 3 service copies) |
| | III, 12 | Figure represents 915 videotapes cleaned and evaluated and 100 videotapes repaired. |
| | IV, 3-4 | Figure represents 91 scrapbooks and 700 maps commercially mass-deacidified. |
| CORNELL | | Excludes Medical Library. |
| | | Includes Law Library and Geneva Experimental Station Library. |
| | I | Staff hired on special projects and grants are included, but FTE not identified. |
| DARTMOUTH | | Includes Medical Library. |
| | II, 3 | Contract Conservation figure (line II, 2) is included in figure reported to 1993-94 ARL Statistics. |
| DELAWARE | I, 4 | 1.00 support staff in NEH funded position for the Delaware Newspaper Project. |
| | I, 5 | 1.68 Student Assistants from Delaware Newspaper Project. |
| | IV, 8 | Figure represents the number of manuscript sheets photocopied for preservation. |
| | V, 5-12 | Microfilming done for Delaware Newspaper Project. Delaware titles included in this total are: 2 titles for 63,226 exposures. |
| DUKE | | Includes Law, Medical, and Fuqua School of Business Libraries. |
| | I, 1 | Law Library has a preservation administrator with 10% of that person's time devoted to preservation activities. |
| EMORY | | Includes Law, Medical, Theology, and Oxford College Libraries. |
| | II, 5 | Figure does not include cost of film produced in SOLINET/ASERL project. |
| | V | Includes volumes, titles and exposures filmed in the SOLINET/ASERL project. |
| FLORIDA | I, 3; 7 | Includes 1.0 FTE professional level staff volunteer. |
| | II, 6 | \$42,121 paid out for regeneration of deteriorated microform masters created in the 1950's on acetate film. |
| FLORIDA STATE | | Excludes Panama City branch, Law Library, and Developmental Research School. |
| | II, 3 | Includes Law Library expenditures included in figure reported to 1993-94 ARL Statistics. |
| GEORGETOWN | | Includes Law and Medical Libraries. |
| | I, 3-6; II, 1 | Only Law Library has a preservation administrator. Data apply to Law Library only. |

| Institution | Category from Main Tables (Table, column) | Notes |
|------------------|--|--|
| GEORGIA | | Includes Law Library, Agricultural Experiment Stations at Griffin and Tifton, and Marine Experiment at Sapelo and Skidaway. |
| | V, 13-15 | Microfilming is supported by the ASERL/SOLINET/NEH Grant Project. |
| GEORGIA TECH | | As noted in previous years, our emphasis has been on the acquisition of new materials in science and technology; we have many valuable materials in the area of science and technology that should receive preservation treatment if funds were available. |
| GUELPH | | Figures are for fiscal year ending April 30, 1994. |
| | II, 2-3 | The sum of these two figures is reported as contract binding expenditures in the 1993-94 ARL Statistics. |
| | II, 1-12; 14 | Expenditures in Canadian dollars were: (1) \$126,197; (2) \$5,464; (3) \$119,412; (4) 0; (5) 0; (6) 0; (7) \$124,876; (8) \$11,734; (9) \$2,821; (10) \$265,628; (11) 0; (12) \$8,920,814; (14) \$3,188,923. |
| HARVARD | | Includes Law and Medical Libraries. |
| | IV, 3 | Includes 2,646 folded maps. |
| HAWAII | | Excludes Law Library. |
| HOUSTON | | The University of Houston Libraries' fiscal year runs from September 1 to August 31. |
| ILLINOIS, URBANA | | Includes Law Library. |
| | I, 4 | Includes one position vacant throughout the year for lack of funding. |
| | I, 10 | In addition, documented work by volunteers in two Library units totalled 1,725 hours or approximately .83 FTE. |
| | II, 3 | Includes \$2,704 for 338 phase boxes included in the quantity reported on III, 12. |
| INDIANA | | Includes Medical and Law Libraries. Excludes branch campuses at Indianapolis, Richmond, Ft. Wayne, Kokomo, Gary, South Bend, and New Albany. |
| | I, 7-10 | Beginning with 1993-94, the Indiana University Libraries report includes libraries that are part of the Bloomington campus library system, but are not under the budgetary authority of the Dean of University Libraries. These are: the Indiana University Law Library, the Kinsey Institute Library, and the Archives of Traditional Music. Also, the Indiana University Archives became part of the Bloomington campus library system in 1993, and is included for the first time in this report. |
| | II, 5 | 1) Fumigation of IU Archives collection \$450. 2) Master negative vault rental at NUS \$413. |
| | V, 1 | Roll film. 100 volumes of the <i>Indiana Daily Student</i> , filmed cooperatively for the Indiana Newspaper Project. |
| | V, 7 | Microfiche: Latin American pamphlets primarily from the Munoz collection. |

| Institution | Category from Main Tables (Table, column) | Notes |
|---------------|--|---|
| JOHNS HOPKINS | | Includes School of Advanced International Studies, Peabody Conservatory, Applied Physics Laboratory, and Welch Medical Libraries. |
| | | Excludes Italy Center (Bologna), China Center (Nanjing), and Institute for the History of Medicine. |
| | | The library's data for items I, 3-10, II, 1, 7-11 in 1990-91 through 1992-93 were inadvertently under-reported. |
| | II, 11 | These expenditures represent a grant from NEH to offer hands-on workshops in preservation techniques to a national audience. Funding for staff salaries was \$20,536. The remainder of the money was for fringe benefits, supplies, printing, postage, telephone, etc. |
| KANSAS | | Includes Law Library, the Regents Center (Overland Park), and the University of Kansas Medical Center in Kansas City. |
| | | Excludes Clendening History of Medicine Library, Kansas City, and the University of Kansas School of Medicine in Wichita. |
| KENT STATE | | Excludes branch campus libraries at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas. |
| | II, 3 | Excludes expenditures for branch campus libraries which were included in figure reported to the 1993-94 <i>ARL Statistics</i> . |
| | II, 8 | Estimate. |
| KENTUCKY | | Includes Law and Medical Libraries. |
| | | Excludes branch campus libraries at Lexington, Prestonburg, Madisonville, Ashland, Somerset, Hopkinsville, Louisville, Elizabethtown, Cumberland, Maysville, Paducah, Owensboro, Hazard, and Henderson. |
| | I, 3-6 | Includes Binding/Repair Unit (1 FTE professional; 1 FTE support staff, 1.6 FTE student); Microfilm Center (6.25 FTE support staff, 2.63 FTE student); and SOLINET/ASERL Preservation Microfilming Project staff (.04 FTE professional, .06 FTE support staff, .41 FTE student). |
| | I, 3-6 | Several support staff positions were vacant for a total of 6 months. |
| | II, 6 | Includes service and maintenance contracts for microfilming equipment. |
| | IV, 8 | Total represents 450 pamphlets. |
| LAVAL | | Figures for the fiscal year ending May 31, 1994. |
| | II, 8 | Figure reported to the 1993-94 <i>ARL Statistics</i> also includes expenditures for preservation supplies (Can. \$79,171). |
| | II, 5, 11 V | Preservation microfilming was funded by the Mellon Foundation and carried out in cooperation with four Canadian university libraries. |
| | II, 1-12; 14 | Expenditures in Canadian dollars were: (1) \$286,849; (2) 0; (3) \$109,261; (4) 0; (5) \$51,679; (6) 0; (7) \$160,940; (8) \$79,171; (9) 0; (10) \$526,960; (11) \$51,679; (12) \$15,966,119; (14) \$5,220,002. |

| Institution | Category from Main Tables (Table, column) | Notes |
|---------------------|--|---|
| LIBRARY OF CONGRESS | | Figures are for fiscal year ending September 30, 1994. |
| | III, 12 | Does not include 13,491 disc recordings cleaned and repacked; 981 reels of motion picture film cleaned; 880,000 feet of motion picture film replaced or converted; 107,203,500 feet of sound recordings converted to magnetic tape and 1,295 videos copied. |
| LINDA HALL | | Figures are for fiscal year ending December 31, 1993. |
| LOUISIANA STATE | | Excludes Law and Veterinary Medicine Libraries. |
| McGILL | | Figures are for fiscal year ending May 31, 1994. |
| | II, 1-12; 14 | Expenditures in Canadian dollars were: (1) \$48,645; (2) 0; (3) \$255,846; (4) 0; (5) \$12,289; (6) \$220; (7) \$268,355; (8) 0; (9) 0; (10) \$317,000; (11) \$1,950; (12) \$18,338,285; (14) \$5,526,593. |
| McMASTER | | Excludes Medical Library. |
| | | All figures are for the fiscal year ending April 30, 1994. |
| | II, 3 | Excludes Health Sciences Library expenditures that are included in figure reported to 1993-94 ARL Statistics. |
| | II, 1-12; 14 | Expenditures in Canadian dollars were: (1) \$169,186; (2) 0; (3) \$104,000; (4) 0; (5) \$3,800; (6) 0; (7) \$107,800; (8) \$32,316; (9) \$8,123; (10) \$317,425; (11) \$10,773 (12) \$11,888,524; (14) \$4,660,551. |
| MANITOBA | | Figures are for fiscal year ending March 31, 1994. |
| | II, 3, 5 | Reported as a combined total in 1993-94 ARL Statistics (Can. \$161,198 + Can. \$15,309 = Can. \$176,507). |
| | II, 8 | Includes costs of security strips. |
| | II, 1-12; 14 | Expenditures in Canadian dollars were: (1) \$219,491; (2) 0; (3) \$161,198; (4) 0; (5) \$15,309; (6) 0; (7) \$176,507; (8) \$10,225; (9) 0; (10) \$406,223; (11) 0; (12) \$12,414,664; (14) \$3,681,882. |
| MARYLAND | 1, 8 | FTE staff library wide include the following (besides the Preservation Dept.): Nat. Pub. Broadcasting Archives--.50; Archives & MS--.25; Marylandia Room--.10; EPSL--.50. |
| | 1, 9 | FTE staff library wide include the following (besides the Preservation Dept.): Nat. Pub. Broadcasting Archives--1.25; Archives & MS--1.00; Marylandia Room--.25. |
| | II, 8 | Preservation supplies include the following units: Archives and Manuscripts--\$10,800; Marylandia Room--\$6,526; Preservation Dept.--\$7,154. |
| MIAMI | | Includes Law and Medical Libraries and Rosentiel School of Marine and Atmospheric Science Library. |
| | | University of Miami fiscal year is June 1 to May 31. |
| | 1, 3-6 | The Medical School Library and the Library of the Rosentiel School of Marine and Atmospheric Sciences are on branch campuses. |

| Institution | Category from Main Tables (Table, column) | Notes |
|----------------|--|--|
| MIAMI (cont'd) | II, 5 | The University of Miami is a participant in a NEH funded microfilming project. The project is sponsored and managed by the Association of Southeastern Research Libraries (ASERL) and the Southeastern Library Network (SOLINET). The figure shown represents the University of Miami's contribution in dollars, and covers bibliographic verification costs, shipping, insurance, and other miscellaneous expenses. Actual filming costs are paid by SOLINET. |
| | III, 9-10 | This figure relates solely to work performed by specialists. It excludes routine work performed by non-specialists even though it yields a conservation benefit. |
| | V, 1 | Work completed as part of ASERL/SOLINET preservation microfilming project. See footnote for line II, 5. |
| MICHIGAN | | Includes Medical Library. |
| | | Excludes Law Library, Bentley Historical Collections, Clements Library, Kresge Business Administration Library, and branch campus libraries at Dearborn and Flint. |
| | I, 3 | Conservation Assistant II position vacant 7 months. |
| | I, 4 | Conservation Assistant I position vacant 11 months. |
| | I, 6 | Includes seven volunteers. |
| | II, 1 | As salary figures for staff engaged in preservation activities library-wide are unavailable, the figures given in each of the categories in this question reflect only staff employed in the Preservation Division. |
| | II, 3 | Excludes expenditures for Law and Business Libraries included in figure reported to 1993-94 ARL Statistics. |
| | II, 8 | Includes supplies purchased with Preservation Division funds for use both within and outside the division. |
| | II, 9 | Includes equipment purchased with Preservation Division funds for use both within and outside the division. |
| | II, 10 | Excludes expenditures of \$81,315 from the Preservation Division's institutional funds for the purchase of commercially available replacements. |
| III, 1-2 | Includes an estimated 3,000 minor treatments (e.g., tip-ins) performed by library staff on-site at the various library locations, with instruction and supplies from Conservation/Book Repair staff. | |
| MICHIGAN STATE | II, 1 | Student salary is based on average cost per hour to the library, including work-study for which the library pays 30% of the total wage. |
| | II, 2 | Figure in brackets is included in total in line II, 3. |
| | II, 6 | Includes other expenses paid through NEH-CIC Cooperative Microfilming Project grant. |
| | II, 8 | Include Preservation Department, Art, and Special Collections expenditures. |
| | III, 1-2 | Includes 17,900 standard size catalog order enclosures used in Special Collections and Art Libraries. |

| Institution | Category from Main Tables (Table, column) | Notes |
|-------------------------------|--|---|
| MINNESOTA | | Includes Medical Library, excludes Law Library. |
| | II, 3 | Contract commercial binding includes Law Library. |
| | IV, 1 | Excludes commercial binding for the Law Library. |
| MISSOURI | | Includes Medical Library. Excludes Law Library and campus libraries at Kansas City, Rolla, and St. Louis, as they are separate campuses within the University of Missouri System. |
| | II, 3 | Excludes Law Library expenditures included in figure reported to 1993-94 ARL Statistics. |
| NATIONAL AGRICULTURAL LIBRARY | | Figures are for the fiscal year ending September 30, 1994. |
| NATIONAL LIBRARY OF CANADA | | Figures are for fiscal year ending March 31, 1994. |
| | II, 5 | Includes Can. \$100,000 representing National Library of Canada's and universities' share of expenditures of the Canadian Theses on Microfiche Service. |
| | II, 6 | Includes Can. \$615,000 spent on mass deacidification. |
| | II, 1-12; 14 | Expenditures in Canadian dollars were: (1) \$552,303; (2) N/A; (3) \$45,066; (4) N/A; (5) \$134,899; (6) \$1,250,000; (7) \$1,429,965; (8) \$10,900; (9) \$30,000; (10) \$2,023,168; (11) \$669,000; (12) \$44,181,417; (14) \$2,488,621. |
| NATIONAL LIBRARY OF MEDICINE | | Figures are for the fiscal year ending September 30, 1994. |
| | II, 2-7 | Except for commercial binding, contract figures are for amounts obligated in FY 94 not spent and do not correlate with production figures, as only completed work is reported in sections III-V. |
| | II, 5 | Includes \$143,800 for microfilm preparation contract and \$435,800 for microfilming services. |
| | II, 6 | Other contract expenditures are: Microfilm Reproduction (\$48,497); Microfilm Inspection (\$30,000); Microfilm Vault Rental (\$28,650); Motion Picture Vault Rental (\$42,348); Binding Preparation (\$144,170); Collection Condition Survey Consultant (\$15,000); which totals \$308,665. |
| | II, 9 | Equipment: figure excludes \$29,000 renovation of Book Repair Lab space. |
| NEBRASKA | | Excludes Law Library. |
| | II, 2 | Excludes fees paid to a commercial binder for protective enclosures, etc., which are included in line II, 3. |
| | II, 3 | Excludes Law Library expenditures included in figure reported to 1993-94 ARL Statistics (\$164,350). |
| NEW MEXICO | | Excludes Health Sciences Libraries and branch campuses at Gallup, Los Alamos, Santa Fe, Taos and Valencia. |
| | II, 3 | Includes expenditures for Health Sciences Libraries as reported to the 1993-94 ARL Statistics. |

| Institution | Category from Main Tables (Table. column) | Notes |
|---------------------------|---|---|
| NEW MEXICO (cont'd) | II, 11 | The General Library received approximately \$108,598 for the third year of an NEH Newspaper Project grant, which funded some of the microfilming and supplies reported in II, 2-8, and 65% of salaries for 2 FTE professionals, 2 FTE support staff, and .5 FTE student assistant reported in I, 6 and II, 1. |
| | IV, 1 | Includes the volume count for the General Library and the Law Library only; Health Sciences Library figures are unavailable. |
| | V, 9 | Includes New Mexico Newspaper Project (30,539), American Indian oral history transcripts, Clement March diaries, architectural photos. |
| NEW YORK | | Includes Law and Medical Libraries, Dental School, Institute of Fine Arts, Courant Institute, and Environmental Medicine. |
| | | Figures are for fiscal year ending August 31, 1994. |
| | III, 11 | 175,000 linear feet of moving image film. |
| NEW YORK STATE LIBRARY | | Figures are for fiscal year ending March 31, 1994. |
| NORTH CAROLINA | | Includes Law and Medical |
| | III, 4 | Pamphlet binders are made in-house. |
| NORTH CAROLINA STATE | | Includes Veterinary Medical Library. |
| | | The NCSU Libraries is currently recruiting for a new position of preservation administrator. |
| | II, 3 | Includes expenditures for contract conservation. |
| NORTHWESTERN | | Includes Law, Dental, Schaffner, and Science and Engineering Libraries. |
| | | Figures are for the fiscal year ending August 31, 1994. |
| | I, 3 | The position of Collections Conservator, a permanent position in the Preservation Department, was vacant for 7 months of Fiscal Year 1994. |
| | II, 11 | Includes grant money as follows: salaries, excluding benefits (\$90,179), microfilming (\$49,369). |
| NOTRE DAME | I, 3-6 | Includes NEH funded microfilm project staff (1 FTE professional, 2 FTE support staff, and 1.25 FTE student.) |
| | II, 3 | Law Library figures are included in figure reported for 1993-94 ARL Statistics. |
| | II, 5 | Includes cost for remote storage of master negatives: \$1,317. |
| | II, 6 | Includes \$1,505 for mass deacidification. |
| | V, 1 | Includes NEH microfilming of the Medieval Institute Library (1,508 titles, 3,725 volumes, and 972,526 exposures). |
| OKLAHOMA | | Includes Law and Medical Libraries. |

| Institution | Category from Main Tables (Table, column) | Notes |
|-----------------------|---|---|
| OKLAHOMA STATE | | Includes OSU Technical Branch in Oklahoma City, OSU Technical Branch in Okmulgee, and College of Osteopathic Medicine and Surgery in Tulsa. |
| OREGON | | Library reorganization created new Preservation & Binding Dept., July 1, 1993, from existing units within Catalog Dept. |
| | | Main Library completed three-year building project, including three shifts of entire collection, performed by library staff. |
| | II, 8 | More accurate number than previously available. |
| | II, 9 | Beach Lab conservation equipment moved from Special Collections to Preservation Department. |
| | IV, 8 | Includes 2,000 manuscript items. |
| PENNSYLVANIA | | Includes Law and Medical Libraries. |
| PENNSYLVANIA STATE | | Excludes Medical Library. |
| | I, 3-6 | Branch libraries included in statistics are: Earth & Mineral Sciences, Physical Sciences, Engineering, Math, Architecture, Education, Pollock. |
| | I, 8 | Figure includes 3.25 FTE hired July 1993-April 1994 to assist in flood recovery. |
| | II, 6 | Figure includes fees paid for commercial vacuum freeze-drying. |
| | III, 3 | Includes preservation reformatting of videotapes. |
| PITTSBURGH | | Includes Law and Medical Libraries. Excludes Western Psychiatric Institute and Clinic, and branch campuses at Bradford, Greensburg, Johnstown, and Titusville. |
| | II, 3 | Excludes Western Psychiatric Institute and Clinic Library. |
| PRINCETON | | Includes .3 FTE outside volunteers under student assistants, and 2.93 FTE grant-funded microfilming project processing positions: 0.33 FTE professional staff, 2.0 FTE support staff, and .6 FTE student assistants. |
| | I, 10 | Includes 3.5 FTE grant-funded microfilming project positions in cataloging: 2.5 FTE professional staff, .5 FTE support staff, and .5 FTE student assistants. |
| | V, I; 5; 9 | Figures represent contract work produced through grant-funded microfilming projects: NEH Arabic Project II (5,197 volumes, 4,858 titles, and 811,067 exposures); RLG GCMP III (Turkish): (474 volumes, 474 titles, 76,936 exposures). |
| QUEEN'S | | Figures are for fiscal year ending April 30, 1994. |
| | | Includes Law, Health Sciences and Education Libraries. Excludes preservation activities in the University Archives. |
| | I, 3-6 | Includes Douglas Library and branches. Excludes Education, Health Sciences, and Law Libraries. |
| | II, 6 | Represents freeze-drying after a flood (covered by insurance). |
| | II, 9 | Included in line II, 8 (Supplies). |

| Institution | Category from Main Tables (Table. column) | Notes |
|---------------------|--|---|
| QUEEN'S (cont'd) | II, 1-12; 14 | Expenditures in Canadian dollars were: (1) \$76,198; (2) 0; (3) \$184,672; (4) 0; (5) 0; (6) \$18,717; (7) \$203,389; (8) \$5,000; (9) 0; (10) \$284,588; (11) 0; (12) \$12,125,089; (14) \$4,523,964. |
| ROCHESTER | | Includes Miner School of Medicine and Dentistry, Sibley Music Library, and Eastman School of Music. |
| | II, 7 | Includes New York State Conservation/Preservation grant funds to support a photographic preservation research and development project conducted by Image Permanence Institute. In this case, IPI is considered a vendor. This year is the first of a two year project. |
| RUTGERS | | Includes Law Library and services to a non-Rutgers medical school, colleges, and professional schools in Camden, Newark and New Brunswick. |
| SASKATCHEWAN | | Includes Law and Medical Libraries. Fiscal year end is April 30, 1994. |
| | III, 2 | Figures for routine mending done in Circulation and Branch Libraries, i.e., outside of central Binding Unit reporting to the Head of Cataloguing and Special Collections, are unavailable. |
| | II, 1-12, 14 | Expenditures in Canadian dollars were: (1) \$142,774; (2) 0; (3) \$66,459; (4) 0; (5) 0; (6) 0; (7) \$66,459; (8) 0; (9) 0; (10) \$209,233; (11) 0; (12) \$1,042,838; (14) \$4,396,440. |
| SMITHSONIAN | | Includes branch libraries of the Center for Astrophysics in Cambridge, MA and Mt. Hopkins, AZ; Cooper-Hewitt Museum in New York City; Smithsonian Tropical Research Institute in the Republic of Panama. Excludes the libraries of Hirshhorn Museum and Sculpture Garden, Woodrow Wilson International Center for Scholars, Freer Gallery of Art, National Museum of American Art and National Portrait Gallery. |
| | I, 6 | 1 FTE professional position vacant for two months. |
| | II, 1 | Excludes lapsed salary of \$6,036 for vacant position in FY 1994. |
| | III, 8 | Includes 256 minor, 90 intermediate and 93 major treatments performed as part of General Collections Repair Program. |
| | V | Work was completed in FY 1994 with FY 1993 funds. |
| SOUTH CAROLINA | | Includes Law and Medical Libraries. Excludes branch campus libraries at Aiken, Salkehatchie, Beaufort, Lancaster, Spartanburg, Sumpter and Union. |
| SOUTHERN CALIFORNIA | | Includes Law and Medical Libraries; excludes Arnold Schoenberg Institute Archives. |
| SOUTHERN ILLINOIS | I, 5 | Includes 4 FTE graduate assistants. |
| STANFORD | | Stanford's fiscal year is September 1 through August 31. Includes the Hoover Institution and the Hopkins Marine Station. |


| Institution | Category from Main Tables (Table, column) | Notes |
|-------------------|---|--|
| STANFORD (cont'd) | | Excludes Law, Medical, Stanford Linear Accelerator Center, and Graduate School of Business Libraries. |
| | I, 2 | In Stanford University Libraries, 1 FTE preservation administrator; in Hoover Institution 1 FTE preservation administrator. |
| | I, 4; II, 8 | Includes 1 FTE conservator hired for a 1-year project |
| | II, 3 | Includes Law and Medical libraries' expenditures for contract commercial binding. |
| | IV, 1-2 | Figures represent only binding performed by the University Library and Hoover Institution. |
| | V, 9-12 | Exposures include 72 manuscript boxes of materials. |
| | V, 14 | Titles include 15,612 pamphlets. |
| SUNY-ALBANY | | Includes Thomas E. Dewey Library of the Rockefeller College of Public Affairs and Policy. |
| SUNY-BUFFALO | | Includes Law and Medical Libraries. |
| | | Figures are for the fiscal year ending June 30, 1994. |
| SUNY-STONY BROOK | | Figures are for fiscal year ending March 31, 1994 |
| | | Includes Medical Library. |
| | | Branch libraries: Biology, Chemistry, Computer Science, Earth and Space Sciences, Engineering, Math/Physics, Marine Sciences, Music. |
| SYRACUSE | | Includes Law Library. |
| | II, 3 | Includes expenditures for Law Library as reported in <i>1993-94 ARL Statistics</i> . |
| | II, 6 | Includes Commission on Preservation and Access funding (\$2,500). |
| TEMPLE | | Includes Law and Medical Libraries, and branch libraries at Amble and Tyler School of Art. |
| TENNESSEE | | Includes Law Library and excludes branch campus libraries at Chattanooga, Martin, and Memphis. |
| | I, 1-10 | Administration of preservation operates through a six-member preservation matrix organization. |
| | II, 3 | Figure includes binding expenditures for Law Library as reported in the <i>1993-94 ARL Statistics</i> . |
| TEXAS | | Includes Law Library. Excludes the McDonald Observatory Library. |
| | | Fiscal year from September 1 to August 31. |

| Institution | Category from Main Tables (Table, column) | Notes |
|----------------|--|--|
| TEXAS (cont'd) | I, 1-2 | The Harry Ransom Humanities Research Center employs 1 FTE Chief Conservation Officer who reports to the Director of the Center. The General Libraries employs 1 FTE Preservation Officer who reports to the Deputy Assistant Director for Information Resources and Collections. The Tarlton Law Library's Archivist/Rare Book Librarian devotes 10% of his time to preservation administration activities. He reports to the Assistant Librarian for Public Services. |
| | I, 3-6 | General Libraries (2 professionals, 9.38 non professionals, 0 student assistant) includes 2.25 FTE non professional staff hired for a grant project. Harry Ransom Humanities Research Center (10.38 professional, 5 non professional, 1.35 student assistant) includes 2.28 FTE professional staff hired for a grant project. |
| | I, 7-10 | General Libraries (4.48 professional, 23.7 non professional, 1.08 student assistant) includes 1.98 FTE professional and 7.95 FTE non professional staff hired for or contributed toward grant projects. Harry Ransom Humanities Research Center (10.38 professional, 8 non professional, 1.35 student assistant) includes 2.28 FTE professional staff hired for a grant project. Tarlton Law Library (.1 professional, 1 non professional, .25 student assistant). |
| | II, 1 | General Libraries (\$146,867 professional, \$335,229 non professional, \$9,345 student assistant totals \$491,441). Harry Ransom Humanities Research Center (\$258,804 professional, \$96,990 non professional, \$38,398 student assistant totals \$394,192). Tarlton Law Library (\$2,648 professional, \$14,399 non professional, \$3,016 student assistant totals \$20,063). |
| | II, 2 | Harry Ransom Humanities Research Center for one painting. |
| | II, 3 | General Libraries \$194,882 figure includes: \$8,804 contracted to the University's Printing Division for binding. Tarlton Law Library figure includes \$9,967 contracted to the University's Printing Division for binding. |
| | II, 4-5 | General Libraries only. |
| | II, 6 | Harry Ransom Humanities Research Center for four mass deacidification (DEZ) shipments. |
| | II, 8 | General Libraries \$17,596; Harry Ransom Humanities Research Center \$38,000; Tarlton Law Library \$3,400. |
| | II, 9 | Small equipment purchases for General Libraries and Harry Ransom Humanities Research Center included in II, 8. |
| | II, 10 | General Libraries \$852,544; Harry Ransom Humanities Research Center \$457,192; Tarlton Law Library \$33,430. |
| | II, 11 | General Libraries: NEH Texas Newspaper Project (\$73,806, not including travel to meeting or to pick up newspapers for filming); NEH Benson Latin American Collection Brittle Monographs Project (\$179,531, not including travel to meeting); Title II-C Bibliographic Control for and Preservation of Mexican Archives (\$15,644). Harry Ransom Humanities Research Center: NEH Mass Deacidification Project (\$68,664). |
| | III, 2 | General Libraries 23, 289; Harry Ransom Humanities Research Center (1); Tarlton Law Library 2,497. |
| | III, 4 | General Libraries 1,368; Harry Ransom Humanities Research Center 100; Tarlton Law Library 50. |
| | III, 6 | General Libraries 73; Harry Ransom Humanities Research Center 90; Tarlton Law Library 163. |

| Institution | Category from Main Tables (Table, column) | Notes |
|----------------|--|--|
| TEXAS (cont'd) | III, 8 | General Libraries 24,730; Harry Ransom Humanities Research Center 191; Tarlton Law Library 2,547. |
| | III, 10 | General Libraries 2,392; Harry Ransom Humanities Research Center 4,300. |
| | III, 12 | General Libraries 2,460; Harry Ransom Humanities Research Center 208; Tarlton Law Library 5. |
| | III, 14 | General Libraries 1,377; Harry Ransom Humanities Research Center 7,167; Tarlton Law Library 25. |
| | IV, 1 | General Libraries 28,069; Tarlton Law Library 980. |
| | IV, 3-6 | Harry Ransom Humanities Research Center only. |
| | IV, 7-8 | General Libraries only. Also made preservation photocopies for 5,000 unbound sheets. |
| | V | In-house roll film for Harry Ransom Humanities Research Center only. All other figures for General Libraries only. Contract roll film: NEH Benson Latin American Collection Brittle Monographs Project (2,377 volumes; 1,916 titles; 369,462 frames); NEH Texas Newspaper Project (29 titles; 136,916 frames. No volume count provided as most of the newspapers were unbound); Patron Requested filming for Benson Latin American Collection and Center for American History Materials (62 volumes, 50 titles, 8,643 frames). |
| TEXAS A&M | | Fiscal year ending August 31, 1994. |
| TORONTO | | Includes Medical Library. Excludes Law Library, Scarborough College, Erindale College, and all of Federated Colleges. |
| | | Figures are for fiscal year ending April 30, 1994. |
| | II, 1-12; 14 | Expenditures in Canadian dollars were: (1) \$835,950; (2) \$20,000; (3) \$373,048; (4) 0; (5) \$44,652; (6) 0; (7) \$437,700; (8) U/A; (9) U/A; (10) \$1,273,650; (11) \$61,185; (12) \$39,392,763; (14) \$12,199,578. |
| TULANE | | Includes Law, Medical, and Women's Center Libraries. |
| UTAH | | Excludes Law and Medical Libraries. |
| | II, 3 | Commercial Binding figure includes Law, Medical, and main libraries as reported in the 1993-94 ARL Statistics. |
| | II, 5 | Expenditures for contract preservation microfilming are included in II, 3 (Contract Binding). |
| VANDERBILT | | Includes Law and Medical Libraries. |
| VIRGINIA | | Includes Law and Medical Libraries. |
| | II, 3 | Includes contract conservation (\$3,938) and preservation supplies (\$26,303). |
| VPI & SU | | Includes Northern Virginia Graduate Center in Falls Church. |

| Institution | Category from Main Tables (Table, column) | Notes |
|------------------|--|---|
| WASHINGTON | | Includes Law and Medical Libraries and branch campuses of Bothell and Tacoma. |
| | III | Excludes Law Library figures. |
| | V, 5; 9 | Figure for contract roll film represents newspapers. |
| | V, 3; 7; 11 | Contract fiche exposures are not available for Law Library. |
| WASHINGTON STATE | | Excludes branch campuses of Spokane, Tri-Cities, and Vancouver. |
| WATERLOO | | Special Collections Librarian and the Coordinator of Collections Management oversee conservation activities. The primary initiative continues to be replacement/binding of books in the Collection and binding new books on entry. Brittle books are placed in storage. Oversewing is replaced with sewing through the fold with our commercial binder. |
| | II, 3 | Figure reported to the 1993-94 ARL Statistics includes contract conservation (II, 2) and preservation supplies (II, 8). |
| | II, 8 | Preservation supplies now include an additional \$6,538 for acid-free pamphlet binders and acid free glue, for items going into the general collection. |
| | II, 1-12; 14 | Expenditures in Canadian dollars were: (1) \$225,595; (2) 433; (3) \$94,402; (4) 0; (5) 0; (6) 0; (7) \$94,835; (8) \$10,738; (9) 0; (10) \$331,168; (11) 0; (12) \$11,818,411; (14) \$4,512,053. |
| WAYNE STATE | | Includes Law and Medical Libraries, Reuther Library, and Archives of Labor and Urban Affairs. |
| | | Figures are for year ending September 30, 1994. |
| WESTERN ONTARIO | | Excludes Graduate School of Library and Information Science, Brescia College, Huron College, and King's College. |
| | II, 1-12; 14 | Expenditures in Canadian dollars were: (1) \$233,250; (2) \$6,373; (3) \$194,842; (4) 0; (5) 0; (6) 0; (7) \$201,215; (8) U/A; (9) 0; (10) \$434,465; (11) 0; (12) \$14,990,878; (14) \$5,392,069. |
| WISCONSIN | | Includes Law and Medical Libraries. |
| | I, 3-6 | Figure represents preservation staff at Memorial Library only. |
| | I, 4 | Support staff includes 3.75 FTE working on specially funded projects. |
| | I, 5 | Student staff includes .9 FTE working on specially funded projects and .35 FTE volunteer hours. |
| | I, 7-10 | Figures represent preservation staff at Memorial, Law, Health Sciences, and Agriculture/Life Sciences Libraries. |
| | I, 7 | Professional staff includes .06 FTE working on specially funded projects. |
| | I, 8 | Support staff includes 3.79 FTE working on specially funded projects. |
| | I, 9 | Student staff includes .9 FTE working on specially funded projects and .35 volunteer hours. |

| Institution | Category from Main Tables (Table, column) | Notes |
|--------------------|---|--|
| WISCONSIN (cont'd) | II, 1-10 | Figures include expenditures for Memorial, Law, Health Sciences, and Agriculture/Life Sciences Libraries. |
| | II, 6 | Figure represents equipment repair contracts for Memorial Library Microfilm Lab. |
| | II, 9 | Includes construction of new workspace (\$49,606). |
| | III | Figures are for Memorial, Law, Health Sciences, and Agriculture/Life Sciences Libraries. |
| | IV, 1-2 | Includes figures for Memorial, Agriculture/Life Sciences, and other General Library System libraries, as well as Law and Health Sciences, but does not include some libraries whose expenditures are incorporated into the total in II, 3. |
| YALE | | Includes Law and Medical Libraries. |
| YORK | | Includes Law Library and Glendon College. |
| | | Figures are for fiscal year ending April 30, 1994. |
| | II, 1-12; 14 | Expenditures in Canadian dollars were: (1) \$111, 714; (2) 0; (3) \$213,299; (4) 0; (5) 0; (6) 0; (7) \$213,299; (8) \$4,165; (9) 0; (10) \$329,178; (11) 0; (12) \$16,117.310; (14) \$4,904,327. |



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