## Salary Survey Trends 2014-2015

The ARL Annual Salary Survey 2014-2015 reports salary data for all professional staff working in ARL member libraries. The Association of Research Libraries (ARL) represents the interests of libraries that serve major research institutions in the US and Canada. The Association operates as a forum for the exchange of ideas and as an agent for collective action to influence forces affecting the ability of these libraries to meet the future needs of scholarship. The ARL Statistics and Assessment program, which produces the Salary Survey, is organized around collecting, analyzing, and distributing quantifiable information describing the characteristics of research libraries. The ARL Annual Salary Survey is the most comprehensive and thorough guide to current salaries in large US and Canadian academic and research libraries and is a valuable management and research tool.

Data for 10,036 professional staff members were reported this year for the 115 ARL university libraries, including their law and medical libraries ( 866 staff members reported by 72 medical libraries and 731 staff members reported by 76 law libraries). For the 10 nonuniversity ARL members, data were reported for 3,635 professional staff members.

The university population is generally treated in three distinct groups: staff in the "general" library system, staff in the university medical libraries, and staff in the university law libraries. Any branch libraries for which data were received, other than law and medical, are included in the "general" category, whether or not those libraries are administratively independent. Footnotes for many institutions provide information on branch inclusion or exclusion.

In all tables where data from US and Canadian institutions are combined, Canadian salaries are converted into US dollar equivalents at the rate of 1.0706 Canadian dollars per US dollar. ${ }^{1}$ Tables 4 and 40 through 46, however, pertain exclusively to staff in Canadian university libraries, so salary data in those tables are expressed in Canadian dollars.

The tables are organized in seven major sections. The first section includes Tables 1 through 4, which report salary figures for all professionals working in ARL member libraries, including law and medical library data. The second section includes salary information for the 10 nonuniversity research libraries of ARL. The third section, entitled "ARL University Libraries," reports data in Tables 7 through 27 for the "general" library system of the university ARL members, combining US and Canadian data but excluding law and medical data. The fourth section, composed of Tables 28 through 39, reports data on US ARL university library members excluding law and medical data; the fifth section, Tables 40-46, reports data on Canadian ARL university libraries excluding law and medical data. The sixth section, (Tables 47-56) and the seventh section (Tables 57-66) report on medical and law libraries, respectively, combining US and Canadian data. Initial diagnostics showed that some of the job categories had too few cases. These categories have been aggregated into the same groupings as in prior years.

## Race and Ethnicity

There were 1,294 minority professional staff reported in 99 US ARL university libraries, including law and medical libraries. ${ }^{2}$ Note that the data for minority professionals comes only from the US ARL university libraries following the Equal Employment Opportunity Commission (EEOC) definitions.

1 This is the average monthly noon exchange rate published in the Bank of Canada Review for the period July 2013-June 2014 and is used in converting figures that are shown effective as of 1 July 2014. This information can be accessed at http:// www.bankofcanada.ca/en/rates/exchange.html.
2 Some US institutions offer their librarians the option of not reporting race and ethnicity; others forbid the tracking of racial and ethnic classification altogether. See Footnotes.

Currently, $14.8 \%$ of the professional staff in US ARL university libraries (including law and medical libraries) belong to one of the four non-Caucasian categories for which ARL keeps records. The percentage of minorities in managerial or leadership positions in ARL academic libraries is far lower: $10.7 \%$ are directors ( 12 out of 112 ), $6.2 \%$ are associate directors ( 20 out of 323 ), $7.0 \%$ are assistant directors ( 11 out of 157 ) and $8.7 \%$ ( 33 out of 379 ) are the head of a branch library (see Table 31). Graph 1, below, depicts the overall racial/ethnic distribution of professional staff in US ARL university libraries: Caucasian/Other 85.2\%, Asian/Pacific Islander 6.8\%, Black 4.6\%, Hispanic 3.0\%, and American Indian/Alaskan Native 0.4\%.

Figure 1: Race/Ethnicity of Professional Staff in US ARL University Libraries, FY 2014-2015


Minority professional staff in US ARL university libraries continues to be disproportionately distributed across the country. Using Figure 2, we can compare the number of minority staff with other staff, region by region. These patterns of distribution have been relatively stable for the entire history of ARL's data-collection experience. Minorities are underrepresented by almost $37 \%$ in the West North Central region and by $34 \%$ in the New England region (see Table 27 for a definition of the regions). Proportionately to other regions, there are more minorities in the Pacific, Middle Atlantic, and South Atlantic regions.

Figure 2: Minority Professionals by Region in US ARL University Libraries, FY 2014-2015

| Race/ <br> EthNictity <br> Category | New <br> England | Middle <br> Atlantic | East <br> North <br> Central | West <br> North <br> Central | South <br> Atlantic | East <br> South <br> Central | West <br> South <br> Central | Mountain | Pacific | Total | \% |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Black | 25 | 75 | 72 | 21 | 126 | 22 | 25 | 8 | 27 | 401 | $31 \%$ |
| Hispanic | 17 | 50 | 37 | 9 | 44 | 8 | 36 | 22 | 43 | 266 | $21 \%$ |
| Asian | 71 | 106 | 83 | 22 | 86 | 14 | 45 | 17 | 149 | 593 | $46 \%$ |
| American <br> Indian/Alaskan <br> Native | 3 | 9 | 5 | 3 | 1 |  | 3 | 7 | 3 | 34 | $3 \%$ |
| Minority Total | 116 | 240 | 197 | 55 | 257 | 44 | 109 | 54 | 222 | 1294 | $100.0 \%$ |
| Minority Percent | $9.0 \%$ | $18.5 \%$ | $15.2 \%$ | $4.3 \%$ | $19.9 \%$ | $3.4 \%$ | $8.4 \%$ | $4.2 \%$ | $17.2 \%$ |  |  |
| Nonminority <br> Total | 1013 | 1240 | 1300 | 503 | 1350 | 365 | 624 | 399 | 653 | 7447 | $100.0 \%$ |
| Nonminority <br> Percent | $13.6 \%$ | $16.7 \%$ | $17.5 \%$ | $6.8 \%$ | $18.1 \%$ | $4.9 \%$ | $8.4 \%$ | $5.4 \%$ | $8.8 \%$ |  |  |
| Regional Percent <br> Total staff | $12.9 \%$ | $16.9 \%$ | $17.1 \%$ | $6.4 \%$ | $18.4 \%$ | $4.7 \%$ | $8.4 \%$ | $5.2 \%$ | $10.0 \%$ |  |  |
| Proportional <br> Minority <br> Representation | $-33.82 \%$ | $10.78 \%$ | $-13.14 \%$ | $-36.76 \%$ | $9.94 \%$ | $-30.61 \%$ | $0.00 \%$ | $-22.22 \%$ | $95.45 \%$ |  |  |

ARL recognizes the difficulties that the profession has in attracting a diverse workforce and continues to work actively in the development of workplace climates that embrace diversity. One way that ARL achieves this end is through the work of the ARL Diversity Program. The ARL Diversity Program through its Leadership and Career Development Program and the Initiative to Recruit a Diverse Workforce, emphasizes ARL's and its members' commitment to creating a diverse academic and research library community to better meet the new challenges of global competition and changing demographics. Further, the diversity program focuses on issues surrounding work relationships in libraries while considering the impact of diversity on library services, interactions with library users, and the development of collections. More information about the diversity program can be found at http://www.arl.org/leadership-recruitment/diversity-recruitment.

ClimateQUAL ${ }^{\oplus}$ is an assessment initiative that focuses on some of the same issues. It is the statistics and assessment program's tool that assesses organizational climate and diversity in libraries. ClimateQUAL helps libraries plumb the dimensions of climate and organizational culture important for a healthy organization in a library setting. The survey addresses climate issues such as diversity, teamwork, learning, and fairness, as well as current managerial practices, and staff attitudes and beliefs. Libraries use their survey data to improve their organizational climate and diversity culture for delivering superior services to the communities they serve. More information about ClimateQUAL can be found at http://www.climatequal.org.

## Gender data

The overall gender balance in the 115 Canadian and US university libraries (including law and medical libraries) is $36.4 \%$ male and $63.6 \%$ female (Figure 3d).

Figure 3a: Distribution of Professional Staff in US ARL University Libraries by Sex, FY 2014-2015

| United States | Men |  | Women |  | Total |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | Number of Staff | Percent of Staff | Number of Staff | Percent of Staff | Staff |
| Main | 2,892 | $38.8 \%$ | 4,567 | $61.2 \%$ | 7,459 |
| Medical | 193 | $25.4 \%$ | 566 | $74.6 \%$ | 759 |
| Law | 237 | $34.3 \%$ | 454 | $65.7 \%$ | 691 |
| All | $\mathbf{3 , 3 2 2}$ | $\mathbf{3 7 . 3} \%$ | $\mathbf{5 , 5 8 7}$ | $\mathbf{6 2 . 7} \%$ | $\mathbf{8 , 9 0 9}$ |

Figure 3b: Distribution of Professional Staff in US ARL University Libraries by Minority Status and Sex, FY 2014-2015

| United States | Men |  | Women |  | Total |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | Number of Staff | Percent of Staff | Number of Staff | Percent of Staff | Staff |
| Minority* | 398 | $30.8 \%$ | 896 | $69.2 \%$ | 1,294 |
| Non-minority | 2,872 | $38.6 \%$ | 4,575 | $61.4 \%$ | 7,447 |
| All | $\mathbf{3 , 2 7 0}$ | $\mathbf{3 7 . 4 \%}$ | $\mathbf{5 , 4 7 1}$ | $\mathbf{6 2 . 6 \%}$ | $\mathbf{8 , 7 4 1}$ |

*Note: There are seven US institutions that did not report race/ethnicity data; therefore, the totals will not aggregate to the total needed for the US and Canadian sub-totals to equal the figure displayed in the combined total.

Figure 3c: Distribution of Professional Staff in Canadian ARL University Libraries by Sex, FY 2014-2015

| Canada | Men |  | Women |  | Total |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | Number of Staff | Percent of Staff | Number of Staff | Percent of Staff | Staff |
| Main | 312 | $31.8 \%$ | 668 | $68.2 \%$ | 980 |
| Medical | 9 | $8.4 \%$ | 98 | $91.6 \%$ | 107 |
| Law | 13 | $32.5 \%$ | 27 | $67.5 \%$ | 40 |
| All | $\mathbf{3 3 4}$ | $\mathbf{2 9 . 6 \%}$ | $\mathbf{7 9 3}$ | $\mathbf{7 0 . 4 \%}$ | $\mathbf{1 , 1 2 7}$ |

Figure 3d: Distribution of Professional Staff in All ARL University Libraries by Sex, FY 2014-2015

| Combined | Men |  | Women |  | Total |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | Number of Staff | Percent of Staff | Number of Staff | Percent of Staff | Staff |
| Main | 3,204 | $38.0 \%$ | 5,235 | $62.0 \%$ | 8,439 |
| Medical | 202 | $23.3 \%$ | 664 | $76.7 \%$ | 866 |
| Law | 250 | $34.2 \%$ | 481 | $65.8 \%$ | 731 |
| All | $\mathbf{3 , 6 5 6}$ | $\mathbf{3 6 . 4 \%}$ | $\mathbf{6 , 3 8 0}$ | $\mathbf{6 3 . 6 \%}$ | $\mathbf{1 0 , 0 3 6}$ |

Many readers of previous surveys have inquired about evidence of gender-based salary differentials in ARL libraries. Additionally, data on salary comparisons for directors also are frequently requested. Last year the average salary for female directors was slightly higher than that of their male counterparts, and the trend continues this year (see Table 18). The number of women in the top administrative library position decreased from 67 in 2013-2014 to 65 of the 112 total director positions (see Table 18).

In keeping with previous years, the 2014-2015 data show that salaries for women in US ARL university libraries have not yet met parity with that of men (see Table 18). In 2014-2015 the overall salary for women was $95.7 \%$ of that of men for the 115 ARL university libraries (compared to $96.3 \%$ in 2013-2014). This suggests a slight regression in the slow, long-term trend towards closure of the gender gap in ARL libraries-in 1980-81, women in ARL libraries made roughly $87 \%$ that of men.

Table 18 displays 19 job categories; females earn more than their male counterparts in just 6 of the 19 categories listed. Table 20 provides average years of professional experience for many of the same staffing categories for which salary data are shown in Table 18, revealing that experience differentials may explain some differences within specific job categories. Women have more experience in all but one of the six job categories in which they average higher pay. There are five categories where women, on average, have more experience and less pay: Associate Director; Assistant Director; Digital Specialist; Head, Acquisitions; and Department Head-Other Department. Table 22 further reveals that the average salary for men is consistently higher than the average salary for women in all ten experience cohorts. Among minority librarians, the pattern is similar, though in the $24-27$ years of experience cohort male minority professionals earned less than their female counterparts (see Table 39).

There is a sense that the gender gap persists in academe in areas beyond the library and that a renewed commitment to resolve the problem is needed. ${ }^{3}$ A variety of reasons have been offered as to why these trends persist, most notably the perception that work is peripheral in a woman's life and, consequently, femaledominated professions are undervalued. Librarianship is predominantly and persistently a woman's profession. The scarcity of men in the profession has been well documented in many studies - the largest percentage of men employed in ARL libraries was $38.2 \%$ in 1980-81; since then men have consistently represented about $35 \%$ of the professional staff in ARL libraries.

## The Specialist Breakdowns

As seen in Figure 4, which now includes all positions, the category that includes Administrative Specialists (no subgroup) makes up $2.1 \%$ of the dataset; the category that includes Digital Specialists (no subgroup) makes up $1.4 \%$ of the dataset, and the category that includes Functional Specialists (no subgroup) makes up 2.1\% of the data set. Archivists comprised the largest percentage of Functional Specialists who used an alternative code ( $5.9 \%$ ), and Information Technology specialists comprised the largest percentage of Digital Specialists who used an alternative code (9.0\%). Information Technology specialists include the IT, Systems; IT, Web Developer; and IT Programmer job sub-codes.

[^0]Figure 4: Distribution of Job Codes and Sub-Codes by Position and Type of Library, FY 2014-2015

| Position | Main |  | Medical |  | Law |  | All Positions |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No. | Percent | No. | Percent | No. | Percent | No. | Percent |
| Director | 112 | 1.3\% |  |  |  |  | 112 | 1.1\% |
| Associate Director | 323 | 3.8\% | 49 | 5.7\% | 47 | 6.4\% | 419 | 4.2\% |
| Assistant Director | 157 | 1.9\% | 31 | 3.6\% | 53 | 7.3\% | 241 | 2.4\% |
| Head, Medical |  |  | 65 | 7.5\% |  |  | 65 | 0.6\% |
| Head, Law |  |  |  |  | 72 | 9.8\% | 72 | 0.7\% |
| Head, Branch | 379 | 4.5\% | 23 | 2.7\% |  |  | 402 | 4.0\% |
| Dept. Head |  |  |  |  |  |  |  |  |
| Acquisitions | 99 | 1.2\% | 18 | 2.1\% | 30 | 4.1\% | 147 | 1.5\% |
| Cataloging | 151 | 1.8\% | 11 | 1.3\% | 29 | 4.0\% | 191 | 1.9\% |
| Circulation | 110 | 1.3\% | 16 | 1.8\% | 29 | 4.0\% | 155 | 1.5\% |
| Library Technology | 104 | 1.2\% | 11 | 1.3\% | 5 | 0.7\% | 120 | 1.2\% |
| Rare Book/Manuscripts/ Special Collections | 104 | 1.2\% | 8 | 0.9\% | 4 | 0.5\% | 116 | 1.2\% |
| Research/Reference/ Information or Learning Commons | 137 | 1.6\% | 19 | 2.2\% | 24 | 3.3\% | 180 | 1.8\% |
| Other Department Heads | 601 | 7.1\% | 54 | 6.2\% | 20 | 2.7\% | 675 | 6.7\% |
| Administrative Specialist (no subgroup); Administrative support, Marketing/ Communication/IP Permissions, Other Administrative | 185 | 2.2\% | 15 | 1.7\% | 8 | 1.1\% | 208 | 2.1\% |
| Business Manager | 165 | 2.0\% | 12 | 1.4\% | 5 | 0.7\% | 182 | 1.8\% |
| Human Resources | 87 | 1.0\% | 1 | 0.1\% |  |  | 88 | 0.9\% |
| Development/Advancement | 46 | 0.5\% | 2 | 0.2\% |  |  | 48 | 0.5\% |
| Digital Specialist (no subgroup), <br> Institutional Repository Curator; <br> Digital Specialist with Subject <br> Expertise | 127 | 1.5\% | 1 | 0.1\% | 10 | 1.4\% | 138 | 1.4\% |
| IT, Systems | 371 | 4.4\% | 30 | 3.5\% | 17 | 2.3\% | 418 | 4.2\% |
| IT, Web Developer | 159 | 1.9\% | 16 | 1.8\% | 3 | 0.4\% | 178 | 1.8\% |
| IT, Programmer | 290 | 3.4\% | 16 | 1.8\% |  |  | 306 | 3.0\% |
| Scholarly Communications | 78 | 0.9\% | 3 | 0.3\% |  |  | 81 | 0.8\% |
| Digital Acquisitions | 90 | 1.1\% | 7 | 0.8\% | 4 | 0.5\% | 101 | 1.0\% |
| Digital Collections Curation | 124 | 1.5\% | 1 | 0.1\% | 4 | 0.5\% | 129 | 1.3\% |


| Position | Main |  | Medical |  | Law |  | All Positions |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No. | Percent | No. | Percent | No. | Percent | No. | Percent |
| Functional Specialist (no subgroup); Coordinator, Team Leader (non-supervisory responsibility) | 184 | 2.2\% | 16 | 1.8\% | 8 | 1.1\% | 208 | 2.1\% |
| Archivists | 564 | 6.7\% | 23 | 2.7\% | 4 | 0.5\% | 591 | 5.9\% |
| Assessment, Management Information Systems, Planning | 72 | 0.9\% | 1 | 0.1\% | 1 | 0.1\% | 74 | 0.7\% |
| Media Specialists | 96 | 1.1\% | 3 | 0.3\% | 2 | 0.3\% | 101 | 1.0\% |
| Preservation, including digital collections | 164 | 1.9\% | 1 | 0.1\% |  |  | 165 | 1.6\% |
| Subject Specialist (no subgroup) | 730 | 8.7\% | 138 | 15.9\% | 66 | 9.0\% | 934 | 9.3\% |
| Subject Specialist in Humanities/Fine Arts | 238 | 2.8\% |  |  |  |  | 238 | 2.4\% |
| Subject Specialist in Sciences \& Technology | 235 | 2.8\% | 34 | 3.9\% | 2 | 0.3\% | 271 | 2.7\% |
| Subject Specialist in Social/ Behavior Science | 199 | 2.4\% | 12 | 1.4\% | 13 | 1.8\% | 224 | 2.2\% |
| Subject Specialist in Area Studies | 185 | 2.2\% |  |  | 1 | 0.1\% | 186 | 1.9\% |
| Catalogers/Metadata analysts | 604 | 7.2\% | 15 | 1.7\% | 39 | 5.3\% | 658 | 6.6\% |
| Research/Reference/Instruction | 834 | 9.9\% | 170 | 19.6\% | 185 | 25.3\% | 1189 | 11.8\% |
| Public Services | 217 | 2.6\% | 34 | 3.9\% | 26 | 3.6\% | 277 | 2.8\% |
| Technical Services | 118 | 1.4\% | 10 | 1.2\% | 20 | 2.7\% | 148 | 1.5\% |
| All Positions: | 8,439 |  | 866 |  | 731 |  | 10,036 |  |

Figure 5: Number and Average Salaries of ARL University Librarians by Position and Sex, Specialist Breakdown, FY 2014-2015

| Position | Women |  | Men |  | All Positions |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average | No. | Average | No. | Average | No. |
| Director | 226,458 | 65 | 226,310 | 47 | 226,396 | 112 |
| Associate Director | 119,847 | 254 | 127,263 | 165 | 122,768 | 419 |
| Assistant Director | 97,885 | 156 | 108,778 | 85 | 101,727 | 241 |
| Head, Medical | 137,035 | 52 | 140,866 | 13 | 137,801 | 65 |
| Head, Law | 167,788 | 38 | 175,864 | 34 | 171,602 | 72 |
| Head, Branch | 86,373 | 277 | 93,006 | 125 | 88,435 | 402 |
| Dept. Head |  |  |  |  |  |  |
| Acquisitions | 77,882 | 107 | 80,044 | 40 | 78,471 | 147 |
| Cataloging | 81,805 | 136 | 80,698 | 55 | 81,487 | 191 |
| Circulation | 77,321 | 102 | 73,499 | 53 | 76,014 | 155 |
| Library Technology | 95,045 | 39 | 95,347 | 81 | 95,249 | 120 |
| Rare Book/Manuscripts/Special Collections | 95,835 | 59 | 94,854 | 57 | 95,353 | 116 |
| Research / Reference/Information or Learning Commons | 84,611 | 129 | 87,299 | 51 | 85,373 | 180 |
| Other Department Heads | 84,441 | 425 | 86,523 | 250 | 85,212 | 675 |
| Administrative Specialist (no subgroup); Administrative support, Marketing/ Communication/IP Permissions, Other Administrative | 68,692 | 158 | 68,367 | 50 | 68,614 | 208 |
| Business Manager | 73,430 | 109 | 74,736 | 73 | 73,954 | 182 |
| Human Resources | 76,094 | 78 | 71,252 | 10 | 75,544 | 88 |
| Development/Advancement | 87,088 | 29 | 79,290 | 19 | 84,001 | 48 |
| Digital Specialist (no subgroup), Institutional Repository Curator; Digital Specialist with Subject Expertise | 65,150 | 81 | 67,643 | 57 | 66,180 | 138 |
| IT, Systems | 72,710 | 123 | 71,190 | 295 | 71,637 | 418 |
| IT, Web Developer | 66,831 | 72 | 69,636 | 106 | 68,502 | 178 |
| IT, Programmer | 74,052 | 76 | 75,478 | 230 | 75,124 | 306 |
| Scholarly Communications | 70,970 | 52 | 74,751 | 29 | 72,324 | 81 |
| Digital Acquisitions | 67,191 | 76 | 68,962 | 25 | 67,629 | 101 |
| Digital Collections Curation | 65,764 | 70 | 68,385 | 59 | 66,963 | 129 |


| Posirion | Women |  | Men |  | All Positions |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Average | No. | Average | No. | Average | No. |
| Functional Specialist (no subgroup); <br> Coordinator, Team Leader (non- <br> supervisory responsibility) | 63,583 | 141 | 69,767 | 67 | 65,575 | 208 |
| Archivists |  |  |  |  |  |  |
| Assessment, Management Information <br> Systems, Planning | 70,652 | 51 | 72,088 | 23 | 71,098 | 74 |
| Media Specialists | 59,171 | 40 | 61,140 | 61 | 60,360 | 101 |
| Preservation, including digital <br> collections | 65,631 | 117 | 68,890 | 48 | 66,579 | 165 |
| Subject Specialist | 70,573 | 637 | 73,851 | 297 | 71,615 | 934 |
| Subject Specialist in Humanities/Fine <br> Arts | 70,215 | 145 | 74,888 | 93 | 72,041 | 238 |
|  <br> Technology | 68,087 | 191 | 69,922 | 80 | 68,629 | 271 |
| Subject Specialist in Social/Behavior <br> Science | 66,805 | 158 | 72,133 | 66 | 68,375 | 224 |
| Subject Specialist in Area Studies | 73,289 | 119 | 73,486 | 67 | 73,360 | 186 |
| Catalogers/Metadata analysts | 67,614 | 468 | 69,362 | 190 | 68,119 | 658 |
| Research/Reference/Instruction | 68,671 | 872 | 68,981 | 317 | 68,754 | 1,189 |
| Public Services | 64,207 | 194 | 65,046 | 83 | 64,459 | 277 |
| Technical Services | 61,743 | 112 | 59,392 | 36 | 61,172 | 148 |
| All Positions: | 77,014 | $\mathbf{6 , 3 8 0}$ | 80,629 | $\mathbf{3 , 6 5 6}$ | 78,331 | $\mathbf{1 0 , 0 3 6}$ |

In regards to the gender gap in ARL libraries discussed in the previous section, it is worth noting that the average salaries of men are higher than those of women in 29 out of the 38 categories in Figure 5.

## Institutional Characteristics and Salaries

## Public and Private Institutions

The gap between salaries paid in private ARL university libraries and those paid in publicly supported ARL university libraries decreased in 2014-2015 to $7.48 \%$, with librarians at private institutions earning an average of $\$ 5,566$ more than their peers at public institutions. Head, Acquisitions and Head, Circulation are the only two job categories where librarians in public institutions earned more than their counterparts in private institutions (see Table 23).

## Library Size

Library size, as measured by the number of professional staff, is another significant determinant of salary. As a rule, the largest libraries tend to pay the highest average salaries, not only overall, but for specific positions as well. In 2014-2015 libraries with more than 110 staff reported the highest average salary, $\$ 80,578$, followed by the smallest libraries, i.e. those with $23-49$ staff, which reported the next highest average salary $\$ 77,334$ (see Table 25). In 2014-2015 the gap between the highest paying cohort and the lowest paying cohort increased to $\$ 3,492$.

The cutoff staffing levels used to determine the largest cohort of libraries continued to hold steady at 110 in 2014-2015. ${ }^{4}$

## Geographic Area

In 2014-2015, the highest average salaries were found in Canada $(\$ 89,636)$ followed by New England $(\$ 84,380)$ with salaries in the Pacific region ( $\$ 82,932$ ) coming in third (see Table 27). For the 2014-2015 survey period, the Canadian currency exchange rate is 1.0706 . The West South Central region had the lowest average salary: \$67,134.

## Rank Structure

Rank structure provides a useful framework for examining professional salaries in ARL university libraries. Figure 6, below, displays average salary and years of experience in the most commonly used rank structures. Readers should be aware that not all individuals have a rank that fits into the rank structure the library utilizes. Most commonly, directors may have no rank (or a rank outside the structure) and it is common for non-librarians included in the survey (business officers, personnel staff, computer specialists, liaisons etc.) to be unranked, as well.
The pattern of relationships between rank and salary seen in past years continues: with higher rank associated with higher average years of experience and a correspondingly higher salary. Of the 10,036 librarians in ARL university member libraries, 6,481 occupy a rank within these three most commonly found ranking systems, and the largest number of professionals $(3,393)$ occupy a position in a four-step rank structure.

Figure 6a: Average Salaries and Average Years of Experience of Library Professionals in Libraries with Three, Four, and Five Step Rank Structures, FY 2014-2015

|  | Three-Step |  |  | Four-Step |  |  | Five-Step |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Salary | Experience | No. of Staff | Salary | Experience | No. of Staff | Salary | Experience | No. of Staff |
| Librarian 1 | 63,068 | 8.5 | 490 | 58,381 | 8.6 | 494 | 59,565 | 11.1 | 249 |
| Librarian 2 | 75,925 | 17.4 | 684 | 67,904 | 13.0 | 920 | 63,847 | 12.2 | 302 |
| Librarian 3 | 94,509 | 24.8 | 435 | 78,624 | 20.1 | 1,331 | 75,044 | 16.9 | 471 |
| Librarian 4 |  |  |  | 95,543 | 26.9 | 648 | 89,172 | 22.5 | 319 |
| Librarian 5 |  |  |  |  |  |  | 105,232 | 26.7 | 138 |
| No. of Staff | 1,609 |  |  | 3,393 |  |  | 1,479 |  |  |

The direct relationship between rank and salary is highlighted even more in the three tables below, which show average salary by percentile in each of the three rank structures presented in Figure 6.

Figure 6b: Average Salary by Percentile in Libraries with Three Step Rank Structures, FY 2014-2015

|  | No. of Staff | Low | 25th Percentile | Median | 75th Percentile | High |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Librarian 1 | 490 | 33,942 | 53,480 | 60,000 | 69,494 | 129,222 |
| Librarian 2 | 684 | 45,909 | 61,026 | 70,368 | 85,005 | 188,133 |
| Librarian 3 | 435 | 54,640 | 79,097 | 92,259 | 107,724 | 165,997 |

[^1]Figure 6c: Average Salary by Percentile in Libraries with Four Step Rank Structures, FY 2014-2015

|  | No. of Staff | Low | 25th Percentile | Median | 75th Percentile | High |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Librarian 1 | 494 | 37,678 | 50,364 | 56,146 | 63,977 | 119,800 |
| Librarian 2 | 920 | 38,642 | 56,244 | 63,720 | 75,500 | 174,302 |
| Librarian 3 | 1331 | 42,734 | 64,580 | 74,556 | 88,110 | 209,450 |
| Librarian 4 | 648 | 50,000 | 77,268 | 88,930 | 109,194 | 247,800 |

Figure 6d: Average Salary by Percentile in Libraries with Five Step Rank Structures, FY 2014-2015

|  | No. of Staff | Low | 25th Percentile | Median | 75th Percentile | High |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Librarian 1 | 249 | 33,155 | 49,978 | 58,743 | 66,817 | 102,605 |
| Librarian 2 | 302 | 33,100 | 54,704 | 64,048 | 71,600 | 96,923 |
| Librarian 3 | 471 | 33,975 | 61,986 | 75,110 | 86,154 | 125,943 |
| Librarian 4 | 319 | 50,228 | 71,531 | 86,989 | 102,071 | 232,833 |
| Librarian 5 | 138 | 40,500 | 86,237 | 102,859 | 124,481 | 175,000 |

## Inflation Effect

Tables 2 and 6 reveal changes in beginning professional and median salaries as reported by both university and nonuniversity research libraries as well as the US Bureau of Labor's Cost of Living Index (CPI-All Urban Consumers). Table 3 is similar to Table 2, but reports data only on US libraries. Table 4 shows trend data for Canadian libraries and compares them to the changes in the Canadian Consumer Price Index (Consumer Price Index for Canada, all-items, not seasonally adjusted). Tables 2, 3, and 4 include law and medical library staff in ARL university libraries. Tables 3 and 4 indicate that the purchasing power of professionals in the United States did not keep pace with inflation, while the purchasing power of their Canadian counterparts surpassed inflation.

US salaries were almost on par with inflation in 2014-2015. US CPI increased by $2 \%$ (see Table 3), ${ }^{5}$ and the median salary for US ARL university libraries in 2014-2015 increased by $1.8 \%$ to $\$ 70,000$ (see Table 3). Canadian salaries (reported in Canadian dollars) surpassed inflation: the Canadian CPI increased $2.1 \%$, while median salaries in Canadian university libraries increased by $3.2 \%$ to $\$ 92,000$ (Canadian dollars, see Table 4). ${ }^{6}$ The median beginning salary (BPS) for university ARL librarians remained \$48,000 in 2014-2015 (see Table 2). Table 6 shows that the median for beginning salaries in nonuniversity libraries increased to $\$ 51,888$ in 2014-2015, and the overall median salary for nonuniversity librarians increased to $\$ 95,329$.

Readers are reminded that these data reflect only salaries, and that there are other compensation issues which may have influenced the pattern of salaries in various institutions. In addition, a highly standardized structure for capturing data has been used, which may portray results in a way that cannot be fully representative of a local situation.

[^2]
## Downloadable Data Tables

The online version of the ARL Annual Salary Survey 2014-2015 includes access to a spreadsheet of the data tables that are presented in the publication. Online readers can click on the Resources icon (the downward pointing arrow) in the sidebar menu to download the data tables in Excel format.

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[^0]:    3 There are many instances citing the continuation of gender inequity in academia. See, for example: Mary Ann Mason,
    "Still Earning Less," Chronicle of Higher Education 13 January 2010, http://chronicle.com/article/Still-Earning-Less/63482/; Katherine Mangan, "Women in Academic Medicine: Equal to Men, Except in Pay," Chronicle of Higher Education 31 March 2010, http://chronicle.com/article/Women-in-Academic-Medicine-/64892/; Paula Wasley, " Gender Gap in Pay Widens Over Time," Chronicle of Higher Education 4 May 2007, http://chronicle.com/article/Gender-Gap-in-Pay-Widens-Over/9208/; Denise K. Manger's articles in the Chronicle of Higher Education, "Faculty Salaries Increased 3.7\% in 1999-2000" (14 April 2000: A20) and "Faculty Salaries are Up 3.6\%, Double the Rate of Inflation" (23 April 1999: A16); D. W. Miller, "Salary Gap Between Male and Female Professors Grows Over the Years, Study Suggests," Chronicle of Higher Education, Today's News, 27 April 2000; and Yolanda Moses, "Salaries in Academe: The Gender Gap Persists," Chronicle of Higher Education 12 Dec. 1997: A60.

[^1]:    4 In 1995-96, the largest cohort of libraries was determined based on staff over 124; in 1996-98, over 120; in 1998-99, over 115; and since 1999-2000, over 110. See Table 27.

[^2]:    5 CPI data retrieved from the US Department of Labor, Bureau of Labor Statistics' Consumer Price Index-All Urban Consumers (US All items, 1982-84=100 - CUUR0000SA0) available online at http://www.bls.gov/data/.
    6 The source for Canadian CPI data is Table 5: The Consumer Price Index for Canada (All-Items, Not Seasonally Adjusted, Historical Data) published in The Daily, a Statistics Canada publication, available online at http://www.statcan.gc.ca/pub/62-001-x/62-001-x2015002-eng.htm.

