

ARL ACADEMIC  
HEALTH SCIENCES  
LIBRARY STATISTICS  
2008–2009

Compiled and Edited by

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ASSOCIATION OF RESEARCH LIBRARIES  
WASHINGTON, DC  
2011

## ARL Academic Health Sciences Library Statistics 2008–2009

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

The *ARL Academic Health Sciences Library Statistics* datafiles and accompanying documentation are available at [www.arl.org/stats/annualsurveys/med/index.shtml](http://www.arl.org/stats/annualsurveys/med/index.shtml).

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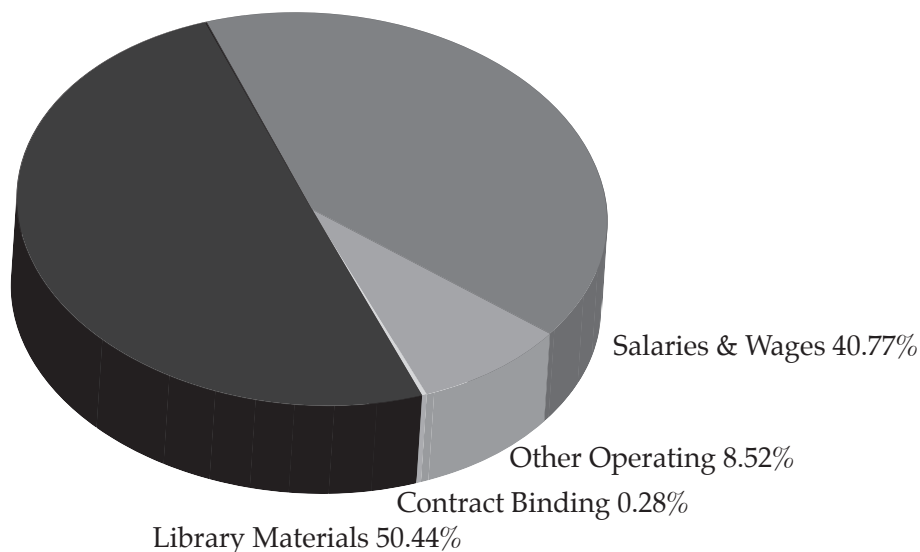


## HIGHLIGHTS

### ARL ACADEMIC HEALTH SCIENCES LIBRARY STATISTICS 2008–2009

- Out of 114 ARL university libraries, 62 responded to this survey.<sup>1</sup>
- Health Sciences libraries reported median values of 230,011 volumes held and 2,249 gross volumes added. Also, these libraries employed the full-time equivalent of 2,131 staff members in the fiscal year 2008–2009.
- Responding libraries reported total expenditures of \$235,821,026.<sup>2</sup> As seen in the graph below, materials expenditures made up the largest portion of the total, with approximately 50% of aggregated expenses falling under a materials-related category.
- Health sciences libraries reported a total of \$83,986,222 in electronic materials expenditures, or a median of almost 79% of their total materials budgets. This includes a total of \$78,539,253 in electronic serials expenditures.

#### EXPENDITURES IN ARL ACADEMIC HEALTH SCIENCES LIBRARIES 2008–2009



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<sup>1</sup> Seventy-four ARL university libraries included data for a health sciences library in the 2008–2009 *ARL Statistics*. Among them, Alberta, British Columbia, Brown, Calgary, Johns Hopkins, Laval, Louisville, Manitoba, Missouri, Ohio, Pittsburgh, SUNY-Buffalo, Toronto, and Wayne State did not complete this survey. Pittsburgh and SUNY-Buffalo completed this survey last year, but chose not to complete this survey in 2008–2009. Cornell and Indiana completed this survey but did not include health sciences library data in the *ARL Statistics*.

<sup>2</sup> This figure includes Canadian universities, whose expenditures were converted to US dollars at the rate of 1.1667Can \$ = 1 US\$, the average monthly noon exchange rate published in the *Bank of Canada Review* for the period July 2008 to June 2009.



**DATA TABLES**  
**2008–2009**

## COLLECTIONS PART 1

(Survey Question Number)	Notes	Volumes In Library (1)	Volumes Added (Gross) (1b.i)	Volumes Added (Net) (1b)	Titles Held (2)	Monographs Purchased (Volumes) (3)
ALABAMA	bG+	21,322	295	247	.	233
ARIZONA	bG+	222,477	1,090	-3,701	95,171	116
BOSTON		145,148	1,952	-51	27,772	225
CALIFORNIA, DAVIS	b+	374,218	5,028	3,382	120,568	UA/NA
CALIFORNIA, IRVINE	bG	377,512	11,908	11,547	252,896	4,251
CALIFORNIA, LOS ANGELES	bG+	670,751	5,532	5,363	670,751	1,149
CALIFORNIA, SAN DIEGO	bG+	229,450	3,832	-11,258	UA/NA	UA/NA
CASE WESTERN RESERVE	G+	423,707	2,024	2,024	118,483	945
CHICAGO	G+	854,643	18,830	16,114	390,940	1,859
CINCINNATI	b+	293,192	1,769	-9,648	55,545	723
COLUMBIA	+	338,436	1,995	-2,631	144,287	1,824
CONNECTICUT	G+	198,485	2,795	1,310	61,497	1,345
CORNELL	+	201,919	2,297	1,618	63,144	UA/NA
DARTMOUTH	bG+	260,542	1,887	-395	78,528	1,103
DUKE	b	247,664	1,955	-52,641	.	357
EMORY	+	241,736	2,560	1,408	68,212	1,072
FLORIDA	+	319,367	1,459	-32,855	UA/NA	353
FLORIDA STATE	b+	12,344	3,648	3,648	5,002	116
GEORGE WASHINGTON	bG+	98,900	1,086	-31,599	28,565	1,098
GEORGETOWN	b+	98,598	180	-1,374	98,598	100
HARVARD		695,415	8,970	8,620	.	.
HAWAII	b+	33,766	1,468	1,451	9,961	5,843
HOWARD	bG+	135,021	1,145	1,013	136,718	1,186
ILLINOIS, CHICAGO	+	748,567	15,118	7,092	318,834	5,237
INDIANA	bG+	207,693	842	-80,044	168,798	13,675
IOWA	b+	359,484	11,421	8,926	UA/NA	498
KANSAS	+	175,370	1,850	-688	61,011	463
KENTUCKY	G+	243,486	2,129	1,905	97,564	1,412
LOUISIANA STATE	+	49,090	315	282	.	94
MCGILL	bG+	485,277	13,595	-10,480	246,345	7,902
MCMASTER	b+	144,737	1,375	-178	144,737	UA/NA
MIAMI	G+	207,845	1,353	-9,836	69,335	591
MICHIGAN	bG+	633,442	94,764	76,946	397,642	28,913
MINNESOTA	b+	551,030	5,641	2,960	UA/NA	1,782
MONTREAL	G+	335,595	4,028	-2,046	151,996	2,889
NEW MEXICO	+	154,661	1,099	411	47,462	1,099
NEW YORK	bG+	230,572	7,820	6,658	77,710	704
NORTH CAROLINA	G	341,582	2,778	2,553	133,792	1,372
NORTHWESTERN	G+	292,465	3,332	3,038	145,731	1,391
OHIO STATE	bG	288,002	4,419	4,009	75,784	2,627
OKLAHOMA	+	329,056	5,939	5,658	102,371	2,200
OKLAHOMA STATE	+	60,392	951	951	90,588	960

## COLLECTIONS PART 1

(Survey Question Number)	Notes	Volumes In Library (1)	Volumes Added (Gross) (1b.i)	Volumes Added (Net) (1b)	Titles Held (2)	Monographs Purchased (Volumes) (3)
<b>INSTITUTION</b>	<b>Notes</b>					
PENNSYLVANIA	G	204,395	1,477	808	UA/NA	UA/NA
PENNSYLVANIA STATE	b+	48,493	4,002	-63,415	23,741	345
QUEEN'S	+	142,409	2,298	408	UA/NA	1,077
ROCHESTER	bG+	270,949	2,018	1,841	UA/NA	618
SASKATCHEWAN	+	191,013	2,693	1,716	51,368	1,725
SOUTH CAROLINA		117,118	861	641	40,814	186
SOUTHERN CALIFORNIA	G+	224,275	3,066	2,831	68,090	1,521
SOUTHERN ILLINOIS		168,406	2,924	-3,488	63,343	1,286
SUNY-STONY BROOK	b+	274,334	708	708	708	648
TEMPLE	b+	145,124	2,201	1,555	56,765	2,369
TENNESSEE	bG+	221,223	2,183	500	52,333	272
TEXAS TECH	b+	314,234	5,019	4,309	UA/NA	2,659
TULANE		158,988	640	640	.	640
UTAH	bG	197,641	1,423	-1,602	72,661	377
VANDERBILT		195,901	698	-8,300	73,391	200
VIRGINIA	+	124,925	2,654	-426	UA/NA	1,893
WASHINGTON	+	353,626	15,309	14,590	UA/NA	756
WASHINGTON U.-ST. LOUIS	bG+	298,938	3,195	-598	298,938	1,870
WISCONSIN	bG+	318,124	1,716	892	UA/NA	508
YALE	G+	488,300	26,087	26,062	303,869	3,455

### SUMMARY DATA

MEAN	270,829	5,543	-1,462	127,443	2,145
MEDIAN	230,011	2,249	850	78,119	1,099
HIGH	854,643	94,764	76,946	670,751	28,913
LOW	12,344	180	-80,044	708	94
TOTALS	16,791,375	343,646	-90,619	5,862,359	120,112
NUMBER OF LIBRARIES REPORTING	62	62	62	46	56

+ – See footnotes

G – Government documents not included in serials count

. - no data supplied

UA/NA – Unavailable or Not Applicable

b – Basis of volume count is bibliographic

## COLLECTIONS PART 2

		Current Serials Total	Current Serials Purchased	Current Serials Purchased Electronic	Current Serials Purchased Print
(Survey Question Number)		(5)	(5a)	(5a.i)	(5a.ii)
<b>INSTITUTION</b>	<b>Notes</b>				
ALABAMA	bG+	2,816	222	97	125
ARIZONA	bG+	10,785	8,680	8,383	297
BOSTON		6,508	6,283	4,242	2,041
CALIFORNIA, DAVIS	b+	1,343	1,078	UA/NA	1,078
CALIFORNIA, IRVINE	bG	6,466	4,315	3,882	433
CALIFORNIA, LOS ANGELES	bG+	UA/NA	UA/NA	UA/NA	UA/NA
CALIFORNIA, SAN DIEGO	bG+	UA/NA	UA/NA	UA/NA	UA/NA
CASE WESTERN RESERVE	G+	91	91	0	91
CHICAGO	G+	29,290	26,790	25,450	1,340
CINCINNATI	b+	UA/NA	UA/NA	UA/NA	UA/NA
COLUMBIA	+	UA/NA	UA/NA	UA/NA	UA/NA
CONNECTICUT	G+	16,586	1,765	1,158	607
CORNELL	+	9,500	UA/NA	UA/NA	UA/NA
DARTMOUTH	bG+	3,136	1,696	1,485	211
DUKE	b	5,108	1,015	928	87
EMORY	+	9,087	2,038	1,895	143
FLORIDA	+	211	201	UA/NA	201
FLORIDA STATE	b+	698	698	689	9
GEORGE WASHINGTON	bG+	2,136	963	923	40
GEORGETOWN	b+	4,153	3,145	3,119	26
HARVARD		UA/NA	UA/NA	UA/NA	UA/NA
HAWAII	b+	4,688	1,327	1,253	74
HOWARD	bG	6,688	1,182	612	570
ILLINOIS, CHICAGO	+	1,238	1,218	UA/NA	1,218
INDIANA	bG+	7,105	1,723	1,698	25
IOWA	b+	5,788	3,407	3,267	140
KANSAS	+	920	883	759	124
KENTUCKY	G+	222	212	UA/NA	212
LOUISIANA STATE	+	3,212	3,202	3,172	30
MCGILL	bG+	6,792	6,089	5,555	534
MCMASTER	b+	293	276	UA/NA	276
MIAMI	G+	9,910	9,829	9,740	89
MICHIGAN	bG+	30,971	30,589	29,880	709
MINNESOTA	b+	UA/NA	UA/NA	UA/NA	UA/NA
MONTREAL	G+	3,836	3,790	3,415	375
NEW MEXICO	+	2,039	1,991	1,916	75
NEW YORK	bG+	UA/NA	UA/NA	UA/NA	UA/NA
NORTH CAROLINA	G	4,096	3,029	2,608	421
NORTHWESTERN	G+	9,644	9,644	UA/NA	UA/NA
OHIO STATE	bG	6,411	3,151	2,924	227
OKLAHOMA	+	UA/NA	UA/NA	UA/NA	UA/NA
OKLAHOMA STATE	+	UA/NA	UA/NA	UA/NA	UA/NA

## COLLECTIONS PART 2

Current Serials Not Purchased	Current Serials Not Purchased Consortial	Current Serials Not Purchased Freely Accessible	Current Serials Not Purchased Print	Current Serials Not Purchased GovDocs	(Survey Question Number)	INSTITUTION
(5b)	(5b.i)	(5b.ii)	(5b.iii)	(5b.iv)		
2,594	14	2,580	0	0		ALABAMA
2,105	0	2,095	10	0		ARIZONA
225	0	225	0	0		BOSTON
265	UA/NA	265	UA/NA	UA/NA		CALIFORNIA, DAVIS
2,151	UA/NA	457	10	1,684		CALIFORNIA, IRVINE
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		CALIFORNIA, LOS ANGELES
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		CALIFORNIA, SAN DIEGO
0	0	0	0	0		CASE WESTERN RESERVE
2,500	0	2,500	0	UA/NA		CHICAGO
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		CINCINNATI
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		COLUMBIA
14,821	14,321	500	0	0		CONNECTICUT
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		CORNELL
1,440	UA/NA	1,259	85	96		DARTMOUTH
4,093	3,281	808	4	0		DUKE
7,049	UA/NA	UA/NA	UA/NA	UA/NA		EMORY
10	UA/NA	UA/NA	10	UA/NA		FLORIDA
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		FLORIDA STATE
1,173	0	1,169	4	0		GEORGE WASHINGTON
1,008	UA/NA	UA/NA	1,008	UA/NA		GEORGETOWN
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		HARVARD
3,361	0	3,242	94	25		HAWAII
5,506	221	5,285	UA/NA	UA/NA		HOWARD
20	UA/NA	UA/NA	20	UA/NA		ILLINOIS, CHICAGO
5,382	4,231	1,138	13	0		INDIANA
2,381	0	2,346	35	UA/NA		IOWA
37	UA/NA	37	UA/NA	UA/NA		KANSAS
10	UA/NA	UA/NA	10	UA/NA		KENTUCKY
10	0	0	10	0		LOUISIANA STATE
703	UA/NA	276	427	UA/NA		MCGILL
17	UA/NA	UA/NA	17	UA/NA		MCMASTER
81	0	0	81	0		MIAMI
382	0	221	161	0		MICHIGAN
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		MINNESOTA
46	0	0	46	0		MONTREAL
48	UA/NA	42	6	0		NEW MEXICO
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		NEW YORK
1,067	0	979	88	0		NORTH CAROLINA
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		NORTHWESTERN
3,260	2,868	98	294	0		OHIO STATE
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		OKLAHOMA
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		OKLAHOMA STATE

## COLLECTIONS PART 2

(Survey Question Number)	Current Serials Total	Current Serials Purchased	Current Serials Purchased Electronic	Current Serials Purchased Print	
(5)	(5a)	(5a.i)	(5a.ii)		
INSTITUTION	Notes				
PENNSYLVANIA	G	4,922	4,922	4,878	44
PENNSYLVANIA STATE	b+	7,262	5,250	5,245	5
QUEEN'S	+	UA/NA	UA/NA	UA/NA	UA/NA
ROCHESTER	bG+	124	124	UA/NA	124
SASKATCHEWAN	+	5,530	4,840	4,735	105
SOUTH CAROLINA		30,485	3,473	3,445	28
SOUTHERN CALIFORNIA	G+	2,749	2,029	1,848	181
SOUTHERN ILLINOIS		1,152	1,152	521	631
SUNY-STONY BROOK	b	4,483	1,380	1,273	107
TEMPLE	b+	7,598	5,158	4,840	318
TENNESSEE	bG+	1,787	936	752	184
TEXAS TECH	b+	22,483	20,169	19,735	434
TULANE		4,000	2,751	2,651	100
UTAH	bG	3,497	1,537	1,437	100
VANDERBILT		4,410	3,156	3,113	43
VIRGINIA	+	UA/NA	UA/NA	UA/NA	UA/NA
WASHINGTON	+	0	0	UA/NA	UA/NA
WASHINGTON U.-ST. LOUIS	bG+	4,012	2,846	2,820	26
WISCONSIN	bG+	4,740	1,108	1,024	84
YALE	G+	10,407	10,118	9,618	500

### SUMMARY DATA

MEAN	6,628	4,316	4,561	309
MEDIAN	4,586	2,038	2,820	142
HIGH	30,971	30,589	29,880	2,041
LOW	91	91	97	5
TOTALS	331,408	211,471	186,985	14,842
NUMBER OF LIBRARIES REPORTING	50	49	41	48

+ – See footnotes

G – Government documents not included in serials count

. - no data supplied

UA/NA – Unavailable or Not Applicable

b – Basis of volume count is bibliographic

## COLLECTIONS PART 2

Current Serials Not Purchased	Current Serials Not Purchased Consortial	Current Serials Not Purchased Freely Accessible	Current Serials Not Purchased Print	Current Serials Not Purchased GovDocs	(Survey Question Number)	INSTITUTION
(5b)	(5b.i)	(5b.ii)	(5b.iii)	(5b.iv)		
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		PENNSYLVANIA
2,012	1,005	1,007	0	0		PENNSYLVANIA STATE
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		QUEEN'S
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		ROCHESTER
690	0	671	19	0		SASKATCHEWAN
27,012	26,231	781	0	0		SOUTH CAROLINA
720	0	720	0	0		SOUTHERN CALIFORNIA
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		SOUTHERN ILLINOIS
3,103	1,726	1,375	2	0		SUNY-STONY BROOK
2,440	0	2,362	0	78		TEMPLE
851	666	160	3	22		TENNESSEE
2,314	UA/NA	2,270	44	UA/NA		TEXAS TECH
1,249	0	1,249	0	0		TULANE
1,960	1,718	224	10	8		UTAH
1,254	527	723	0	4		VANDERBILT
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		VIRGINIA
0	UA/NA	UA/NA	UA/NA	UA/NA		WASHINGTON
1,166	469	697	UA/NA	UA/NA		WASHINGTON U.-ST. LOUIS
3,632	UA/NA	3,624	8	0		WISCONSIN
289	0	200	89	0		YALE

### SUMMARY DATA

2,568	4,406	1,223	93	274	MEAN
1,249	1,718	795	18	25	MEDIAN
27,012	26,231	5,285	1,008	1,684	HIGH
10	14	37	2	4	LOW
110,437	57,278	41,585	2,608	1,917	TOTALS
43	13	34	28	7	NUMBER OF LIBRARIES REPORTING

### COLLECTIONS PART 3

(Survey Question Number)	Microform Units	Government Documents	Computer Files	Manuscripts and Archives	Cartographic Materials	Graphic Materials	Audio Materials	Film and Video	
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
INSTITUTION	Notes								
ALABAMA	bG+	0	0	125	0	0	1,546	498	357
ARIZONA	bG+	4,700	0	0	15	34	71,719	596	6,650
BOSTON		29	0	366	751	0	0	17	112
CALIFORNIA, DAVIS	b+	23,780	0	305	0	0	70	1,338	349
CALIFORNIA, IRVINE	bG	349,627	17,892	1,453	540	1,369	8,599	1,997	1,846
CALIFORNIA, LOS ANGELES	bG+	64,852	0	2,226	1,578	3	43,987	3,569	1,660
CALIFORNIA, SAN DIEGO	bG+	1,483	0	834	0	0	0	2,032	7,222
CASE WESTERN RESERVE	G+	3,752	0	500	1,000	0	51,833	1,300	1,321
CHICAGO	G+	29,108	0	1,573	0	0	0	UA/NA	UA/NA
CINCINNATI	b+	0	0	0	3,070	0	6,000	2,140	849
COLUMBIA	+	52,822	UA/NA	957	4,407	UA/NA	13,474	UA/NA	1,112
CONNECTICUT	G+	0	0	460	0	0	0	56	1,023
CORNELL	+	12,900	0	612	0	0	900	29	954
DARTMOUTH	bG+	13,059	UA/NA	421	UA/NA	3	20,313	5,824	1,467
DUKE	b	193	0	30,492	11,911	93	555,689	1,260	2,965
EMORY	+	15	.	198	257	UA/NA	UA/NA	4,304	1,475
FLORIDA	+	1,747	0	66	.	.	.	-267	-142
FLORIDA STATE	b+	0	0	0	0	0	0	0	103
GEORGE WASHINGTON	bG+	0	0	365	75	0	3,656	836	1,183
GEORGETOWN	b+	0	0	61	0	0	69	0	105
HARVARD		2,032	.	.	.	.	.	.	.
HAWAII	b+	0	0	104	0	0	0	1	0
HOWARD	bG	20,000	0	0	0	0	0	65	1,520
ILLINOIS, CHICAGO	+	61,616	0	1,848	UA/NA	UA/NA	UA/NA	1,260	2,368
INDIANA	bG+	759	0	652	130	0	0	152	297
IOWA	b+	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	219	488
KANSAS	+	.	.	1,518	.	.	153	62	1,281
KENTUCKY	G+	2	0	14	0	0	31,598	1,274	1,395
LOUISIANA STATE	+	0	0	324	0	0	0	0	716
MCGILL	bG+	11,523	0	1,319	252	0	8,345	174	6,339
MCMASTER	b+	5,241	0	2,086	855	0	10	867	891
MIAMI	G+	2,837	0	UA/NA	610	UA/NA	UA/NA	UA/NA	1,753
MICHIGAN	bG+	3,966	0	1,399	3	0	0	0	12
MINNESOTA	b+	67,186	19,979	645	80	9	UA/NA	UA/NA	UA/NA
MONTREAL	G+	31,540	0	1,118	0	0	12,727	998	1,770
NEW MEXICO	+	2	0	456	1,896	0	7,427	1,281	2,126
NEW YORK	bG+	4	0	670	707	0	8,861	336	1,344
NORTH CAROLINA	G	35,888	0	19	0	19	820	131	2,308
NORTHWESTERN	G+	0	0	712	.	0	.	478	1,143
OHIO STATE	bG	102	0	537	1,134	1,670	10,000	112	1,271
OKLAHOMA	+	650	.	132	5,921	.	.	.	6,502
OKLAHOMA STATE	+	44,260	0	16	168	2	3,844	3,432	1,586

### COLLECTIONS PART 3

(Survey Question Number)	Microform Units (7)	Government Documents (8)	Computer Files and Archives (9)	Manuscripts (10)	Cartographic Materials (11)	Graphic Materials (12)	Audio Materials (13)	Film and Video (14)
INSTITUTION	Notes							
PENNSYLVANIA	G	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA
PENNSYLVANIA STATE	b+	0	0	285	93	0	743	0
QUEEN'S	+	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA
ROCHESTER	bG+	0	0	21	1,316	0	5,000	65
SASKATCHEWAN	+	2,290	0	78	0	0	10,986	169
SOUTH CAROLINA		4,721	0	9	0	0	0	81
SOUTHERN CALIFORNIA	G+	8,567	0	707	35	0	12,591	2,283
SOUTHERN ILLINOIS		6,111	338	85	410	0	0	2,574
SUNY-STONY BROOK	b	0	0	0	0	0	0	0
TEMPLE	b+	49	0	18	0	0	0	0
TENNESSEE	bG+	328	0	313	205	0	0	8
TEXAS TECH	b+	2,550	0	2,567	750	0	786	5,037
TULANE		0	0	290	1,351	0	0	0
UTAH	bG	15,401	0	884	0	0	1,970	10
VANDERBILT		9,119	0	1,083	3,924	2	0	1,272
VIRGINIA	+	42	0	280	859	0	0	6
WASHINGTON	+	85,211	.	3,065	.	.	454	.
WASHINGTON U.-ST. LOUIS	bG+	1,854	0	903	2,495	.	3	25
WISCONSIN	bG+	6,567	6,303	75	3,620	0	11	681
YALE	G+	15,651	0	819	532	0	11,235	2,310

### SUMMARY DATA

MEAN	22,314	11,128	1,270	1,544	320	27,437	1,131	1,655
MEDIAN	4,721	12,098	480	750	14	6,000	596	1,276
HIGH	349,627	19,979	30,492	11,911	1,670	555,689	5,824	7,493
LOW	2	338	9	3	2	3	-267	-142
TOTALS	1,004,136	44,512	66,065	50,950	3,204	905,419	50,892	89,353
NUMBER OF LIBRARIES REPORTING	45	4	52	33	10	33	45	54

+ – See footnotes

G – Government documents not included in serials count

. - no data supplied

UA/NA – Unavailable or Not Applicable

b – Basis of volume count is bibliographic

## EXPENDITURES

(Survey Question Number)	Monographs (16a)	Current Serials (16b)	Other Library Materials (16c)	Miscellaneous Materials (16d)	Total Library Materials (16)	Contract Binding (17)	
INSTITUTION	Notes						
ALABAMA	bG+	5,064	101,364	23,279	6,181	135,888	1,406
ARIZONA	bG+	10,873	1,235,107	167,747	0	1,413,727	1,291
BOSTON		35,827	1,476,864	314	2,431	1,515,436	2,896
CALIFORNIA, DAVIS	b+	273,044	1,095,093	175,905	0	1,544,042	UA/NA
CALIFORNIA, IRVINE	bG	258,329	850,184	30,227	.	1,138,740	5,983
CALIFORNIA, LOS ANGELES	bG+	338,139	1,969,852	UA/NA	UA/NA	2,307,991	45,724
CALIFORNIA, SAN DIEGO	bG+	275,904	1,811,834	18,000	0	2,105,738	0
CASE WESTERN RESERVE	G+	163,360	1,454,145	5,699	0	1,623,204	6,131
CHICAGO	G+	287,820	921,306	3,141,418	0	4,350,544	52,733
CINCINNATI	b+	76,127	1,500,975	170,978	9,557	1,757,637	6,652
COLUMBIA	+	196,054	2,243,976	5,846	UA/NA	2,445,876	9,831
CONNECTICUT	G+	159,320	1,764,235	43,605	161,654	2,128,814	10,464
CORNELL	+	145,483	1,334,647	1,413	4,885	1,486,428	16,900
DARTMOUTH	bG+	59,254	1,116,535	4,089	UA/NA	1,179,878	4,675
DUKE	b	54,106	1,413,709	36,270	187,825	1,691,910	3,778
EMORY	+	95,042	1,990,363	87,477	311,675	2,484,557	17,920
FLORIDA	+	40,102	1,692,049	153,000	3,337	1,888,488	.
FLORIDA STATE	b+	110,017	600,005	149,545	0	859,567	0
GEORGE WASHINGTON	bG+	106,707	1,797,386	16,476	272,426	2,192,995	8,132
GEORGETOWN	b+	39,000	1,370,850	0	458,047	1,867,897	1,804
HARVARD		90,253	203,229	2,114,111	0	2,407,593	67,835
HAWAII	b+	91,657	274,659	89,610	0	455,926	UA/NA
HOWARD	bG+	40,000	1,050,773	109,632	0	1,200,405	6,000
ILLINOIS, CHICAGO	+	387,468	2,266,441	2,272	UA/NA	2,656,181	32,165
INDIANA	bG+	234,117	1,893,779	605,745	61,461	2,795,102	555
IOWA	b+	80,960	1,062,929	2,000	56,704	1,202,593	UA/NA
KANSAS	+	119,231	1,557,006	43,366	.	1,719,603	6,952
KENTUCKY	G+	179,161	1,804,478	14,631	8,324	2,006,594	6,922
LOUISIANA STATE	+	19,466	409,643	UA/NA	UA/NA	429,109	0
MCGILL	bG+	470,705	1,196,633	7,787	0	1,675,125	0
MCMASTER	b+	113,127	1,179,118	12,896	0	1,305,141	1,586
MIAMI	G+	126,818	2,007,545	0	0	2,134,363	7,107
MICHIGAN	bG+	164,648	1,504,634	267,369	0	1,936,651	0
MINNESOTA	b+	452,368	2,538,197	350,606	27,974	3,369,145	38,413
MONTREAL	G+	290,645	1,888,727	0	0	2,179,373	9,841
NEW MEXICO	+	130,308	956,721	1,449	125,084	1,213,562	1,046
NEW YORK	bG+	95,000	1,275,344	1,032,605	0	2,402,949	14,302
NORTH CAROLINA	G	149,130	2,777,162	507,675	0	3,433,967	15,314
NORTHWESTERN	G+	88,676	1,668,740	526,678	19,310	2,303,404	16,118
OHIO STATE	bG	70,403	1,257,052	260,081	350	1,587,886	10,763
OKLAHOMA	+	163,631	1,661,465	333,620	.	2,158,716	37,024
OKLAHOMA STATE	+	45,310	313,969	10,096	490	369,865	909

## EXPENDITURES

Salaries & Wages Professional Staff*	Salaries & Wages Support Staff*	Salaries & Wages Student Assistants*	Total Salaries & Wages	Other Operating Expenditures	Total Library Expenditures	(Survey Question Number)
(18a)	(18b)	(18c)	(18)	(20)	(21)	
						<b>INSTITUTION</b>
153,577	56,464	870	210,911	11,720	359,925	ALABAMA
1,024,835	534,347	73,830	1,633,012	748,993	3,797,023	ARIZONA
751,390	318,045	63,061	1,132,496	99,638	2,750,466	BOSTON
627,694	405,527	63,485	1,096,706	15,163	2,655,911	CALIFORNIA, DAVIS
537,108	608,215	76,715	1,222,038	266,987	2,633,748	CALIFORNIA, IRVINE
1,157,135	542,449	278,910	1,978,494	635,272	4,967,481	CALIFORNIA, LOS ANGELES
702,487	686,057	120,703	1,509,247	50,051	3,665,036	CALIFORNIA, SAN DIEGO
488,185	357,545	143,531	989,261	325,396	2,943,992	CASE WESTERN RESERVE
305,653	481,981	118,117	905,751	34,514	5,343,542	CHICAGO
991,902	114,175	60,594	1,166,671	460,517	3,391,477	CINCINNATI
937,040	373,908	9,656	1,320,604	70,998	3,847,309	COLUMBIA
1,145,595	686,890	50,303	1,882,788	70,009	4,092,075	CONNECTICUT
600,702	1,269,686	0	1,870,388	189,661	3,563,377	CORNELL
554,349	505,844	26,650	1,086,843	151,451	2,422,847	DARTMOUTH
1,209,935	685,397	0	1,895,332	435,512	4,026,532	DUKE
780,922	877,768	12,406	1,671,096	643,668	4,817,241	EMORY
1,312,110	967,045	102,408	2,381,563	422,564	4,692,615	FLORIDA
256,099	51,900	28,980	336,979	28,392	1,224,938	FLORIDA STATE
839,460	630,755	107,643	1,577,858	171,895	3,950,880	GEORGE WASHINGTON
693,463	345,479	40,000	1,078,942	143,440	3,092,083	GEORGETOWN
2,760,609	764,701	7,657	3,532,967	525,324	6,533,719	HARVARD
219,952	135,796	UA/NA	355,748	15,610	827,284	HAWAII
470,699	303,140	125,000	898,839	12,000	2,117,244	HOWARD
838,277	1,222,749	79,613	2,140,639	125,678	4,954,663	ILLINOIS, CHICAGO
843,614	759,908	48,648	1,652,170	188,288	4,636,115	INDIANA
631,713	478,375	164,374	1,274,462	91,872	2,568,927	IOWA
517,992	797,143	53,832	1,368,967	281,878	3,377,400	KANSAS
803,850	281,655	83,398	1,168,903	167,992	3,350,411	KENTUCKY
45,910	122,500	1,550	169,960	20,280	619,349	LOUISIANA STATE
618,385	395,461	27,440	1,041,286	81,341	2,797,751	MCGILL
461,213	685,329	67,636	1,214,178	124,174	2,645,078	MCMASTER
1,006,358	762,939	0	1,769,297	433,694	4,344,461	MIAMI
914,570	746,830	207,650	1,869,050	18,754	3,824,455	MICHIGAN
779,776	1,115,197	205,606	2,100,579	731,442	6,239,579	MINNESOTA
618,359	931,701	0	1,550,060	43,557	3,782,830	MONTREAL
1,125,494	754,867	30,000	1,910,361	224,169	3,349,138	NEW MEXICO
1,832,523	1,224,926	67,660	3,125,109	461,229	6,003,589	NEW YORK
2,269,841	1,341,009	162,697	3,773,547	547,703	7,770,531	NORTH CAROLINA
1,114,793	457,444	11,880	1,584,117	240,164	4,143,803	NORTHWESTERN
2,757,211	688,012	202,596	3,647,819	439,308	5,685,776	OHIO STATE
496,713	650,246	128,914	1,275,873	623,510	4,095,123	OKLAHOMA
207,307	342,551	66,390	616,248	232,742	1,219,764	OKLAHOMA STATE

## EXPENDITURES

(Survey Question Number)	Monographs (16a)	Current Serials (16b)	Other Library Materials (16c)	Miscellaneous Materials (16d)	Total Library Materials (16)	Contract Binding (17)	
INSTITUTION	Notes						
PENNSYLVANIA	G	133,265	2,166,113	UA/NA	UA/NA	2,299,378	1,583
PENNSYLVANIA STATE	b+	22,060	1,536,436	117,315	0	1,675,811	159
QUEEN'S	+	109,261	1,381,325	9,693	0	1,500,279	3,359
ROCHESTER	bG+	70,516	1,887,468	0	0	1,957,984	13,229
SASKATCHEWAN	+	653,614	2,024,209	0	UA/NA	2,677,823	4,695
SOUTH CAROLINA		15,827	498,849	126,716	0	641,392	0
SOUTHERN CALIFORNIA	G+	331,885	2,351,067	7,696	276,450	2,967,098	34,662
SOUTHERN ILLINOIS		76,108	732,828	0	38,251	847,187	13,887
SUNY-STONY BROOK	b+	57,285	1,476,610	140,333	8,195	1,682,423	0
TEMPLE	b+	210,717	1,693,415	567,148	7,494	2,478,774	8,416
TENNESSEE	bG+	46,554	1,744,948	53,768	4,860	1,850,130	4,755
TEXAS TECH	b+	281,735	1,878,860	51,890	421,378	2,633,863	14,305
TULANE		92,793	1,114,393	70,293	0	1,277,479	0
UTAH	bG	109,212	720,817	122,336	6,373	958,738	6,496
VANDERBILT		210,010	2,610,628	46,305	39,800	2,906,743	0
VIRGINIA	+	159,844	1,509,651	1,511,581	3,761	3,184,837	2,108
WASHINGTON	+	120,807	2,666,858	.	5,012	2,792,677	9,397
WASHINGTON U.-ST. LOUIS	bG+	252,128	3,030,772	0	0	3,282,900	24,998
WISCONSIN	bG+	38,610	1,176,374	664	285,932	1,501,580	29,759
YALE	G+	675,136	2,057,873	38,406	0	2,771,415	9,275

### SUMMARY DATA

MEAN	161,291	1,495,939	262,503	97,077	1,918,566	13,271
MEDIAN	116,179	1,502,805	53,768	19,310	1,878,193	8,132
HIGH	675,136	3,030,772	3,141,418	458,047	4,350,544	67,835
LOW	5,064	101,364	314	350	135,888	159
TOTALS	10,000,021	92,748,218	13,387,661	2,815,221	118,951,121	650,255
NUMBER OF LIBRARIES REPORTING	62	62	51	29	62	49

+ – See footnotes

G – Government documents not included in serials count

. - no data supplied

UA/NA – Unavailable or Not Applicable

b – Basis of volume count is bibliographic

## EXPENDITURES

Salaries & Wages Professional Staff*	Salaries & Wages Support Staff*	Salaries & Wages Student Assistants*	Total Salaries & Wages	Other Operating Expenditures	Total Library Expenditures	(Survey Question Number)
(18a)	(18b)	(18c)	(18)	(20)	(21)	
						<b>INSTITUTION</b>
471,479	545,187	116,582	1,133,248	327,874	3,762,083	PENNSYLVANIA
433,152	346,262	63,234	842,648	72,303	2,590,921	PENNSYLVANIA STATE
559,798	414,459	31,137	1,005,394	163,606	2,672,638	QUEEN'S
1,276,556	208,708	55,547	1,540,811	344,731	3,856,755	ROCHESTER
474,731	221,041	51,867	747,639	UA/NA	3,430,158	SASKATCHEWAN
441,431	222,789	20,762	684,982	72,166	1,398,540	SOUTH CAROLINA
939,966	992,082	138,828	2,070,876	667,400	5,740,036	SOUTHERN CALIFORNIA
430,108	452,794	13,743	896,645	81,620	1,839,339	SOUTHERN ILLINOIS
1,240,391	261,305	138,476	1,640,172	469,237	3,791,832	SUNY-STONY BROOK
701,329	458,188	77,156	1,236,673	470,130	4,193,993	TEMPLE
950,564	528,390	13,199	1,492,153	140,791	3,487,829	TENNESSEE
1,119,666	730,802	245,350	2,095,818	309,820	5,053,806	TEXAS TECH
384,474	177,413	13,224	575,111	48,088	1,900,678	TULANE
775,376	852,617	68,821	1,696,814	1,364,647	4,026,695	UTAH
1,724,832	486,926	28,403	2,240,161	742,692	5,889,596	VANDERBILT
1,009,521	809,111	8,546	1,827,178	272,657	5,286,780	VIRGINIA
1,856,841	705,848	170,976	2,733,665	2,604,951	8,140,690	WASHINGTON
1,956,083	652,861	34,412	2,643,356	192,155	6,143,409	WASHINGTON U.-ST. LOUIS
1,022,589	534,986	101,785	1,659,360	775,320	3,966,019	WISCONSIN
1,586,523	766,735	35,759	2,389,017	354,033	5,523,740	YALE
<b>SUMMARY DATA</b>						
899,358	577,911	79,793	1,550,627	329,193	3,803,565	MEAN
780,349	538,718	63,485	1,525,029	224,169	3,794,428	MEDIAN
2,760,609	1,341,009	278,910	3,773,547	2,604,951	8,140,690	HIGH
45,910	51,900	870	169,960	11,720	359,925	LOW
55,760,211	35,830,459	4,548,210	96,138,880	20,080,771	235,821,026	TOTALS
62	62	57	62	61	62	NUMBER OF LIBRARIES REPORTING

\*Figures in italics indicate the inclusion of fringe benefits.

## ELECTRONIC RESOURCES EXPENDITURES

(Survey Question Number)	One-time Electronic Resource Purchases	Ongoing Electronic Resource Purchases	Total Electronic Resource Purchases	Total Library Materials Expenditures	Electronic Resources as a % of Library Materials Budget	
(22)	(23)	(22+23)	(16)			
INSTITUTION	Notes					
ALABAMA	bG+	3,154	73,285	76,439	135,888	56.25
ARIZONA	bG+	4,500	1,304,113	1,308,613	1,413,727	92.56
BOSTON		24,008	946,147	970,155	1,515,436	64.02
CALIFORNIA, DAVIS	b+	0	1,131,891	1,131,891	1,544,042	73.31
CALIFORNIA, IRVINE	bG	66,501	580,290	646,791	1,138,740	56.80
CALIFORNIA, LOS ANGELES	bG+	UA/NA	UA/NA	.	2,307,991	.
CALIFORNIA, SAN DIEGO	bG+	80,137	1,386,053	1,466,190	2,105,738	69.63
CASE WESTERN RESERVE	G+	4,560	1,489,481	1,494,041	1,623,204	92.04
CHICAGO	G+	86,512	3,006,852	3,093,364	4,350,544	71.10
CINCINNATI	b+	105,816	1,178,639	1,284,455	1,757,637	73.08
COLUMBIA	+	UA/NA	1,878,538	1,878,538	2,445,876	76.80
CONNECTICUT	G+	10,168	1,629,172	1,639,340	2,128,814	77.01
CORNELL	+	138,229	945,642	1,083,871	1,486,428	72.92
DARTMOUTH	bG+	23,055	1,009,620	1,032,675	1,179,878	87.52
DUKE	b	0	1,216,650	1,216,650	1,691,910	71.91
EMORY	+	87,477	1,016,267	1,103,744	2,484,557	44.42
FLORIDA	+	.	.	.	1,888,488	.
FLORIDA STATE	b+	14,651	839,423	854,074	859,567	99.36
GEORGE WASHINGTON	bG+	67,139	1,534,909	1,602,048	2,192,995	73.05
GEORGETOWN	b+	0	1,612,000	1,612,000	1,867,897	86.30
HARVARD		2,114,111	.	2,114,111	2,407,593	87.81
HAWAII	b+	0	405,404	405,404	455,926	88.92
HOWARD	bG+	0	1,066,473	1,066,473	1,200,405	88.84
ILLINOIS, CHICAGO	+	22,003	1,508,822	1,530,825	2,656,181	57.63
INDIANA	bG+	913,330	1,813,477	2,726,807	2,795,102	97.56
IOWA	b+	135	851,293	851,428	1,202,593	70.80
KANSAS	+	77,031	1,100,000	1,177,031	1,719,603	68.45
KENTUCKY	G+	18,720	1,415,260	1,433,980	2,006,594	71.46
LOUISIANA STATE	+	0	406,400	406,400	429,109	94.71
MCGILL	bG+	62,280	1,014,627	1,076,907	1,675,125	64.29
MCMASTER	b+	UA/NA	UA/NA	.	1,305,141	.
MIAMI	G+	2,890	1,666,661	1,669,551	2,134,363	78.22
MICHIGAN	bG+	177,369	636,949	814,318	1,936,651	42.05
MINNESOTA	b+	48,662	2,342,874	2,391,536	3,369,145	70.98
MONTREAL	G+	47,723	1,685,019	1,732,742	2,179,373	79.51
NEW MEXICO	+	13,019	1,124,970	1,137,989	1,213,562	93.77
NEW YORK	bG+	0	2,253,833	2,253,833	2,402,949	93.79
NORTH CAROLINA	G	86,536	2,990,712	3,077,248	3,433,967	89.61
NORTHWESTERN	G+	121,229	2,035,503	2,156,732	2,303,404	93.63
OHIO STATE	bG	2,730	2,728	5,458	1,587,886	.34
OKLAHOMA	+	12,435	1,489,611	1,502,046	2,158,716	69.58
OKLAHOMA STATE	+	9,651	259,639	269,290	369,865	72.81

## ELECTRONIC RESOURCES EXPENDITURES

Bibl. Utilities, Networks, etc. Library Expenditures	Bibl. Utilities, Networks, etc. External Expenditures	Computer Hardware and Software Expenditures	Document Delivery/ Interlibrary Loan Expenditures	(26) (Survey Question Number)	INSTITUTION
(24a)	(24b)	(25)			
965	0	123	1,881		ALABAMA
0	924,391	36,611	58,754		ARIZONA
5,352	.	81,954	1,857		BOSTON
76,317	0	13,648	42,124		CALIFORNIA, DAVIS
16,622	88,641	68,689	8,067		CALIFORNIA, IRVINE
UA/NA	UA/NA	UA/NA	UA/NA		CALIFORNIA, LOS ANGELES
UA/NA	UA/NA	47,485	94,647		CALIFORNIA, SAN DIEGO
9,744	0	4,013	11,040		CASE WESTERN RESERVE
UA/NA	UA/NA	125,000	28,524		CHICAGO
10,000	0	57,091	1,602		CINCINNATI
8,955	UA/NA	97,435	UA/NA		COLUMBIA
20,616	0	58,042	9,313		CONNECTICUT
17,266	0	140,018	7,098		CORNELL
UA/NA	UA/NA	10,510	83,724		DARTMOUTH
81,144	0	106,550	3,736		DUKE
4,727	0	87,304	9,637		EMORY
13,991	.	32,560	9,140		FLORIDA
0	0	0	717		FLORIDA STATE
4,757	UA/NA	71,341	7,647		GEORGE WASHINGTON
3,377	0	43,121	4,374		GEORGETOWN
9,555	.	79,521	.		HARVARD
20,372	421	7,098	UA/NA		HAWAII
0	4,500	30,000	8,500		HOWARD
UA/NA	UA/NA	36,799	32,594		ILLINOIS, CHICAGO
0	0	0	0		INDIANA
0	0	350	60,989		IOWA
.	.	75,798	.		KANSAS
8,000	0	48,767	64,808		KENTUCKY
0	0	0	2,920		LOUISIANA STATE
.	.	.	.		MCGILL
UA/NA	UA/NA	35,164	27,392		MCMASTER
10,519	0	53,500	23,325		MIAMI
0	0	0	1,205		MICHIGAN
0	0	22,091	15,879		MINNESOTA
0	0	0	0		MONTREAL
59,858	UA/NA	149,404	9,654		NEW MEXICO
15,706	UA/NA	115,461	123,790		NEW YORK
23,739	.	48,544	80,485		NORTH CAROLINA
6,583	.	76,687	13,628		NORTHWESTERN
4,320	0	5,000	5,561		OHIO STATE
26,543	45,987	83,009	42,635		OKLAHOMA
2,916	UA/NA	10,263	1,009		OKLAHOMA STATE

## ELECTRONIC RESOURCES EXPENDITURES

(Survey Question Number)	One-time Electronic Resource Purchases (22)	Ongoing Electronic Resource Purchases (23)	Total Electronic Resource Purchases (22+23)	Total Library Materials Expenditures (16)	Electronic Resources as a % of Library Materials Budget	
INSTITUTION	Notes					
PENNSYLVANIA	G	0	2,103,118	2,103,118	2,299,378	91.46
PENNSYLVANIA STATE	b+	22,060	1,653,751	1,675,811	1,675,811	100.00
QUEEN'S	+	UA/NA	1,319,421	1,319,421	1,500,279	87.94
ROCHESTER	bG+	0	1,715,407	1,715,407	1,957,984	87.61
SASKATCHEWAN	+	UA/NA	UA/NA	.	2,677,823	.
SOUTH CAROLINA		0	588,072	588,072	641,392	91.69
SOUTHERN CALIFORNIA	G+	172,340	2,111,558	2,283,898	2,967,098	76.97
SOUTHERN ILLINOIS		0	141,866	141,866	847,187	16.75
SUNY-STONY BROOK	b+	263,575	1,322,677	1,586,252	1,682,423	94.28
TEMPLE	b+	251,700	1,978,713	2,230,413	2,478,774	89.98
TENNESSEE	bG+	0	1,463,420	1,463,420	1,850,130	79.10
TEXAS TECH	b+	71,452	2,135,106	2,206,558	2,633,863	83.78
TULANE		18,681	567,638	586,319	1,277,479	45.90
UTAH	bG	1,525	830,892	832,417	958,738	86.82
VANDERBILT		62,611	2,805,928	2,868,539	2,906,743	98.69
VIRGINIA	+	0	855,024	855,024	3,184,837	26.85
WASHINGTON	+	21,119	2,297,891	2,319,010	2,792,677	83.04
WASHINGTON U.-ST. LOUIS	bG+	0	2,043,251	2,043,251	3,282,900	62.24
WISCONSIN	bG+	0	1,448,502	1,448,502	1,501,580	96.47
YALE	G+	116,146	2,307,791	2,423,937	2,771,415	87.46

### SUMMARY DATA

MEAN	132,853	1,377,882	1,448,038	1,918,566	75.86
MEDIAN	48,662	1,386,053	1,455,961	1,878,193	78.66
HIGH	2,114,111	3,006,852	3,093,364	4,350,544	100.00
LOW	135	2,728	5,458	135,888	0.34
TOTALS	5,446,970	78,539,253	83,986,222	118,951,121	
NUMBER OF LIBRARIES REPORTING	41	57	58	62	58

+ – See footnotes

G – Government documents not included in serials count

. – no data supplied

UA/NA – Unavailable or Not Applicable

b – Basis of volume count is bibliographic

## ELECTRONIC RESOURCES EXPENDITURES

Bibl. Utilities, Networks, etc. Library Expenditures	Bibl. Utilities, Networks, etc. External Expenditures	Computer Hardware and Software Expenditures	Document Delivery/ Interlibrary Loan Expenditures	(26) (Survey Question Number)	INSTITUTION
(24a)	(24b)	(25)			
UA/NA	UA/NA	6,888	128,970		PENNSYLVANIA
0	0	21,413	0		PENNSYLVANIA STATE
UA/NA	UA/NA	UA/NA	UA/NA		QUEEN'S
2,643	0	126,220	33,973		ROCHESTER
UA/NA	UA/NA	UA/NA	UA/NA		SASKATCHEWAN
5,222	0	40,590	2,464		SOUTH CAROLINA
7,228	0	251,730	9,466		SOUTHERN CALIFORNIA
0	0	28,646	4,484		SOUTHERN ILLINOIS
26,475	330,118	340,869	9,563		SUNY-STONY BROOK
5,147	0	268,931	3,641		TEMPLE
12,883	1,703	55,791	7,495		TENNESSEE
118,510	0	61,608	8,736		TEXAS TECH
2,317	0	42,506	2,902		TULANE
0	39,364	57,393	975		UTAH
4,238	0	159,677	13,019		VANDERBILT
7,415	0	102,150	27,810		VIRGINIA
.	.	64,245	123,987		WASHINGTON
0	811	49,146	1,946		WASHINGTON U.-ST. LOUIS
UA/NA	UA/NA	30,160	205,637		WISCONSIN
10,010	.	81,250	26,931		YALE
<b>SUMMARY DATA</b>					
18,445	159,548	70,720	29,613		MEAN
9,650	39,364	55,791	9,563		MEDIAN
118,510	924,391	340,869	205,637		HIGH
965	421	123	717		LOW
664,032	1,435,936	3,748,164	1,510,255		TOTALS
36	9	53	51		NUMBER OF LIBRARIES REPORTING

## PERSONNEL AND PUBLIC SERVICES

(Survey Question Number)	Professional Staff (FTE)	Support Staff (FTE)	Student Assistants (FTE)	Total Staff (FTE)	Staffed Service Points	Library Service Hours (Weekly)	
(27a)	(27b)	(27c)	(27)	(28)	(29)		
INSTITUTION	Notes						
ALABAMA	bG+	3	3	0	6	2	63
ARIZONA	bG+	15	13	5	33	1	119
BOSTON		13	8	3	24	3	107
CALIFORNIA, DAVIS	b+	7	14	4	25	2	88
CALIFORNIA, IRVINE	bG	8	15	5	28	7	128
CALIFORNIA, LOS ANGELES	bG+	15	11	14	40	1	80
CALIFORNIA, SAN DIEGO	bG+	11	17	6	34	UA/NA	UA/NA
CASE WESTERN RESERVE	G+	7	10	8	25	2	.
CHICAGO	G+	6	11	6	23	2	82
CINCINNATI	b+	17	4	4	25	3	103
COLUMBIA	+	14	11	1	26	3	95
CONNECTICUT	G+	14	13	3	30	3	94
CORNELL	+	7	24	0	31	2	108
DARTMOUTH	bG+	7	13	3	23	3	115
DUKE	b	23	15	0	38	3	78
EMORY	+	12	21	1	34	6	91
FLORIDA	+	17	22	5	44	3	97
FLORIDA STATE	b+	4	2	1	7	1	82
GEORGE WASHINGTON	bG+	14	17	6	37	4	113
GEORGETOWN	b+	10	8	7	25	3	60
HARVARD		32	24	1	57	.	.
HAWAII	b+	3	4	0	7	1	78
HOWARD	bG	7	11	5	23	3	113
ILLINOIS, CHICAGO	+	16	28	8	52	5	102
INDIANA	bG+	11	19	6	36	3	92
IOWA	b+	11	11	10	32	3	100
KANSAS	+	10	25	3	38	1	103
KENTUCKY	G+	14	13	7	34	3	110
LOUISIANA STATE	+	1	6	1	8	1	88
MCGILL	bG+	8	10	3	21	3	77
MCMASTER	b+	8	18	4	30	2	92
MIAMI	G+	13	23	0	36	5	103
MICHIGAN	bG+	15	17	13	45	2	97
MINNESOTA	b+	15	27	13	55	4	96
MONTREAL	G+	10	22	0	32	12	93
NEW MEXICO	+	16	22	2	40	2	95
NEW YORK	bG+	33	28	9	70	13	93
NORTH CAROLINA	G	32	30	9	71	1	105
NORTHWESTERN	G+	17	13	1	31	2	96
OHIO STATE	bG	42	25	26	93	3	99
OKLAHOMA	+	12	19	8	39	2	109
OKLAHOMA STATE	+	4	6	2	12	2	104

**PERSONNEL AND PUBLIC SERVICES**

Library Presentations to Groups*	Participants in Group Presentations*	Reference Transactions*	Initial Circulation Transactions	Total Circulation Transactions	Total Items Loaned (ILL)	Total Items Borrowed (ILL)	(Survey Question Number)	INSTITUTION
(30)	(31)	(32)	(33)	(34)	(35)	(36)		
16	182	1,427	339	467	176	329		ALABAMA
667	5,264	8,636	19,976	19,976	7,845	3,147		ARIZONA
218	3,918	15,516	2,387	3,240	3,965	2,825		BOSTON
327	1,727	19,564	54,575	71,643	22,241	3,674		CALIFORNIA, DAVIS
84	2,394	7,513	18,430	41,193	3,154	3,382		CALIFORNIA, IRVINE
179	3,697	9,691	27,949	83,961	UA/NA	UA/NA		CALIFORNIA, LOS ANGELES
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA		CALIFORNIA, SAN DIEGO
90	1,475	UA/NA	3,797	7,692	14,572	2,106		CASE WESTERN RESERVE
47	707	3,216	20,217	21,668	9,294	1,707		CHICAGO
250	2,672	6,500	9,527	12,184	8,059	2,538		CINCINNATI
58	4,605	15,880	13,962	14,872	7,565	7,738		COLUMBIA
188	1,500	11,982	10,841	13,777	9,018	941		CONNECTICUT
203	1,206	7,323	15,227	19,429	2,559	3,843		CORNELL
231	2,205	UA/NA	13,781	19,216	5,193	9,268		DARTMOUTH
248	3,536	8,634	15,602	21,673	10,722	2,214		DUKE
291	3,981	20,899	3,788	4,563	14,457	4,918		EMORY
122	3,048	8,354	19,922	33,691	3,584	2,004		FLORIDA
110	700	702	474	838	207	293		FLORIDA STATE
463	6,987	12,039	9,121	20,114	1,242	595		GEORGE WASHINGTON
598	3,900	16,751	9,864	.	1,149	1,009		GEORGETOWN
.	.	.	.	30,838	4,451	1,142		HARVARD
36	500	1,793	516	149	959	88		HAWAII
73	2,974	10,000	15,581	20,825	1,127	836		HOWARD
462	6,827	37,770	21,409	115,097	20,292	25,657		ILLINOIS, CHICAGO
300	6,677	14,274	18,881	21,504	18,691	5,646		INDIANA
279	6,124	5,495	11,279	12,366	21,044	12,346		IOWA
UA/NA	UA/NA	UA/NA	UA/NA	19,913	8,349	4,194		KANSAS
308	2,868	10,414	12,462	17,019	7,800	9,893		KENTUCKY
14	240	UA/NA	2,620	UA/NA	648	704		LOUISIANA STATE
216	3,346	19,440	17,798	32,969	5,112	1,258		MCGILL
203	1,996	11,632	23,007	29,724	6,470	5,131		MCMASTER
703	2,064	6,944	6,931	9,567	13,437	1,814		MIAMI
227	3,056	19,559	21,785	35,422	12,199	4,488		MICHIGAN
378	8,094	16,395	23,466	36,679	41,715	6,694		MINNESOTA
296	3,928	9,689	19,121	39,701	7,268	1,745		MONTREAL
548	5,411	6,839	9,439	16,717	1,573	2,124		NEW MEXICO
180	1,579	29,536	8,732	11,219	8,305	8,629		NEW YORK
259	5,521	24,006	71,315	83,453	27,331	2,666		NORTH CAROLINA
213	3,473	3,042	9,576	10,699	11,159	13,916		NORTHWESTERN
143	3,362	7,766	11,197	33,558	17,733	4,421		OHIO STATE
59	1,013	12,233	4,643	4,643	8,149	3,204		OKLAHOMA
21	277	1,234	5,420	6,822	1,600	496		OKLAHOMA STATE

## PERSONNEL AND PUBLIC SERVICES

(Survey Question Number)	Professional Staff (FTE)	Support Staff (FTE)	Student Assistants (FTE)	Total Staff (FTE)	Staffed Service Points	Library Service Hours (Weekly)	
(27a)	(27b)	(27c)	(27)	(28)	(29)		
INSTITUTION	Notes						
PENNSYLVANIA	G	10	12	7	29	2	100
PENNSYLVANIA STATE	b+	6	9	3	18	3	106
QUEEN'S	+	7	11	2	20	2	97
ROCHESTER	bG+	21	8	3	32	4	106
SASKATCHEWAN	+	8	6	2	16	2	89
SOUTH CAROLINA		9	7	2	18	2	88
SOUTHERN CALIFORNIA	G+	15	23	7	45	5	102
SOUTHERN ILLINOIS		7	14	1	22	3	90
SUNY-STONY BROOK	b	20	8	10	38	3	100
TEMPLE	b+	12	13	6	31	5	108
TENNESSEE	bG+	16	21	5	42	4	UA/NA
TEXAS TECH	b+	23	28	17	68	15	105
TULANE		6	7	5	18	1	93
UTAH	bG	19	22	14	55	4	100
VANDERBILT		28	16	1	45	2	111
VIRGINIA	+	14	21	0	35	3	100
WASHINGTON	+	25	22	9	56	3	80
WASHINGTON U.-ST. LOUIS	bG+	21	21	1	43	2	102
WISCONSIN	bG+	15	15	11	41	2	96
YALE	G+	20	17	2	39	2	107

### SUMMARY DATA

MEAN	14	15	6	34	3	97
MEDIAN	13	15	5	33	3	98
HIGH	42	30	26	93	15	128
LOW	1	2	1	6	1	60
TOTALS	856	954	321	2,131	196	5,628
NUMBER OF LIBRARIES REPORTING	62	62	55	62	60	58

+ – See footnotes

G – Government documents not included in serials count

. - no data supplied

UA/NA – Unavailable or Not Applicable

b – Basis of volume count is bibliographic

**PERSONNEL AND PUBLIC SERVICES**

Library Presentations to Groups*	Participants in Group Presentations*	Reference Transactions*	Initial Circulation Transactions	Total Circulation Transactions	Total Items Loaned (ILL)	Total Items Borrowed (ILL)	(Survey Question Number)
(30)	(31)	(32)	(33)	(34)	(35)	(36)	
<b>INSTITUTION</b>							
156	2,911	UA/NA	7,138	33,654	7,396	23,130	PENNSYLVANIA
118	1,486	10,772	10,582	11,292	8,999	1,341	PENNSYLVANIA STATE
363	3,005	5,375	8,284	9,011	5,082	1,834	QUEEN'S
151	1,491	7,463	4,578	6,034	4,407	4,190	ROCHESTER
195	3,285	3,115	15,000	22,742	3,644	3,063	SASKATCHEWAN
51	973	1,037	1,439	2,125	1,648	652	SOUTH CAROLINA
113	2,769	7,759	21,852	28,476	12,579	1,142	SOUTHERN CALIFORNIA
142	838	3,827	30,760	36,188	7,304	2,230	SOUTHERN ILLINOIS
173	2,298	15,036	4,823	7,273	6,300	792	SUNY-STONY BROOK
42	701	2,273	5,278	7,291	1,034	1,246	TEMPLE
288	3,951	17,992	2,183	3,561	5,236	2,215	TENNESSEE
495	4,674	17,065	29,402	75,179	5,315	2,501	TEXAS TECH
74	762	10,848	7,227	8,527	3,307	3,955	TULANE
272	2,781	48,287	34,228	35,974	9,227	10,209	UTAH
277	5,994	4,451	11,203	12,238	8,225	3,806	VANDERBILT
475	3,224	8,105	8,692	11,170	5,590	2,859	VIRGINIA
261	2,772	11,178	19,256	56,649	12,871	5,603	WASHINGTON
323	3,165	10,601	13,788	16,182	22,789	2,315	WASHINGTON U.-ST. LOUIS
237	4,145	3,484	10,535	15,525	11,732	23,467	WISCONSIN
293	4,203	8,441	UA/NA	21,487	12,309	10,554	YALE
<b>SUMMARY DATA</b>							
234	3,025	11,269	14,331	24,062	8,757	4,612	MEAN
216	2,974	9,689	11,200	19,216	7,481	2,746	MEDIAN
703	8,094	48,287	71,315	115,097	41,715	25,657	HIGH
14	182	702	339	149	176	88	LOW
13,807	178,462	619,797	831,205	1,419,659	525,408	276,727	TOTALS
59	59	55	58	59	60	60	NUMBER OF LIBRARIES REPORTING

\* Figures in italics are derived from a sampling method rather than an actual annual count.

## RANK ORDER TABLE 1: VOLUMES IN LIBRARY

INSTITUTION	HS LIBRARY VOLUMES	TOTAL VOLUMES	HS % OF TOTAL	INSTITUTION	HS LIBRARY VOLUMES	TOTAL VOLUMES	HS % OF TOTAL
1 CHICAGO	854,643	8,830,151	9.68	32 CALIFORNIA, SAN DIEGO	229,450	3,651,393	6.28
2 ILLINOIS, CHICAGO	748,567	2,515,007	29.76	33 SOUTHERN CALIFORNIA	224,275	4,124,253	5.44
3 HARVARD	695,415	16,557,002	4.20	34 ARIZONA	222,477	5,794,299	3.84
4 CALIFORNIA, LOS ANGELES	670,751	9,045,818	7.42	35 TENNESSEE	221,223	3,322,418	6.66
5 MICHIGAN	633,442	9,575,256	6.62	36 MIAMI	207,845	3,300,370	6.30
6 MINNESOTA	551,030	6,975,576	7.90	37 INDIANA	207,693	8,543,025	2.43
7 YALE	488,300	12,564,157	3.89	38 PENNSYLVANIA	204,395	6,223,214	3.28
8 MCGILL	485,277	4,128,321	11.75	39 CORNELL	201,919	8,036,029	2.51
9 CASE WESTERN RESERVE	423,707	2,777,529	15.25	40 CONNECTICUT	198,485	3,982,991	4.98
10 CALIFORNIA, IRVINE	377,512	3,145,926	12.00	41 UTAH	197,641	3,418,976	5.78
11 CALIFORNIA, DAVIS	374,218	4,156,170	9.00	42 VANDERBILT	195,901	3,467,542	5.65
12 IOWA	359,484	5,155,258	6.97	43 SASKATCHEWAN	191,013	2,361,589	8.09
13 WASHINGTON	353,626	7,549,765	4.68	44 KANSAS	175,370	4,271,113	4.11
14 NORTH CAROLINA	341,582	6,735,325	5.07	45 SOUTHERN ILLINOIS	168,406	3,149,701	5.35
15 COLUMBIA	338,436	10,449,223	3.24	46 TULANE	158,988	4,004,458	3.97
16 MONTREAL	335,595	3,180,763	10.55	47 NEW MEXICO	154,661	3,117,590	4.96
17 OKLAHOMA	329,056	5,433,036	6.06	48 BOSTON	145,148	2,864,562	5.07
18 FLORIDA	319,367	4,299,252	7.43	49 TEMPLE	145,124	3,761,933	3.86
19 WISCONSIN	318,124	8,310,732	3.83	50 MCMASTER	144,737	2,014,067	7.19
20 TEXAS TECH	314,234	2,675,872	11.74	51 QUEEN'S	142,409	2,577,143	5.53
21 WASHINGTON U.-ST. LOUIS	298,938	4,281,213	6.98	52 HOWARD	135,021	2,589,888	5.21
22 CINCINNATI	293,192	3,715,957	7.89	53 VIRGINIA	124,925	5,605,891	2.23
23 NORTHWESTERN	292,465	4,930,613	5.93	54 SOUTH CAROLINA	117,118	3,675,054	3.19
24 OHIO STATE	288,002	6,206,443	4.64	55 GEORGE WASHINGTON	98,900	2,268,571	4.36
25 SUNY-STONY BROOK	274,334	2,277,714	12.04	56 GEORGETOWN	98,598	3,431,948	2.87
26 ROCHESTER	270,949	3,740,714	7.24	57 OKLAHOMA STATE	60,392	2,932,910	2.06
27 DARTMOUTH	260,542	2,848,521	9.15	58 LOUISIANA STATE	49,090	4,112,774	1.19
28 DUKE	247,664	6,031,761	4.11	59 PENNSYLVANIA STATE	48,493	5,365,489	0.90
29 KENTUCKY	243,486	3,784,382	6.43	60 HAWAII	33,766	3,588,005	0.94
30 EMORY	241,736	3,479,536	6.95	61 ALABAMA	21,322	3,396,810	0.63
31 NEW YORK	230,572	5,191,617	4.44	62 FLORIDA STATE	12,344	3,034,491	0.41

**RANK ORDER TABLE 2: VOLUMES ADDED (GROSS)**

INSTITUTION	HS LIBRARY VOLS ADDED	TOTAL VOLS ADDED	HS % OF TOTAL	INSTITUTION	HS LIBRARY VOLS ADDED	TOTAL VOLUMES	HS % OF TOTAL
1 MICHIGAN	94,764	176,363	53.73	32 TEMPLE	2,201	63,741	3.45
2 YALE	26,087	292,324	8.92	33 TENNESSEE	2,183	61,859	3.53
3 CHICAGO	18,830	261,776	7.19	34 KENTUCKY	2,129	66,453	3.20
4 WASHINGTON	15,309	172,772	8.86	35 CASE WESTERN RESERVE	2,024	38,737	5.22
5 ILLINOIS, CHICAGO	15,118	69,326	21.81	36 ROCHESTER	2,018	31,204	6.47
6 MCGILL	13,595	121,576	11.18	37 COLUMBIA	1,995	243,094	0.82
7 CALIFORNIA, IRVINE	11,908	99,232	12.00	38 DUKE	1,955	145,399	1.34
8 IOWA	11,421	174,623	6.54	39 BOSTON	1,952	39,771	4.91
9 HARVARD	8,970	349,050	2.57	40 DARTMOUTH	1,887	68,462	2.76
10 NEW YORK	7,820	138,256	5.66	41 KANSAS	1,850	44,662	4.14
11 OKLAHOMA	5,939	143,603	4.14	42 CINCINNATI	1,769	85,635	2.07
12 MINNESOTA	5,641	144,001	3.92	43 WISCONSIN	1,716	134,118	1.28
13 CALIFORNIA, LOS ANGELES	5,532	127,477	4.34	44 PENNSYLVANIA	1,477	135,456	1.09
14 CALIFORNIA, DAVIS	5,028	86,268	5.83	45 HAWAII	1,468	68,517	2.14
15 TEXAS TECH	5,019	53,130	9.45	46 FLORIDA	1,459	51,159	2.85
16 OHIO STATE	4,419	139,870	3.16	47 UTAH	1,423	55,420	2.57
17 MONTREAL	4,028	58,854	6.84	48 MCMASTER	1,375	178,991	0.77
18 PENNSYLVANIA STATE	4,002	120,191	3.33	49 MIAMI	1,353	72,196	1.87
19 CALIFORNIA, SAN DIEGO	3,832	138,786	2.76	50 HOWARD	1,145	22,043	5.19
20 FLORIDA STATE	3,648	43,204	8.44	51 NEW MEXICO	1,099	119,995	0.92
21 NORTHWESTERN	3,332	89,452	3.72	52 ARIZONA	1,090	149,544	0.73
22 WASHINGTON U.-ST. LOUIS	3,195	64,505	4.95	53 GEORGE WASHINGTON	1,086	76,171	1.43
23 SOUTHERN CALIFORNIA	3,066	55,717	5.50	54 OKLAHOMA STATE	951	66,157	1.44
24 SOUTHERN ILLINOIS	2,924	28,048	10.42	55 SOUTH CAROLINA	861	52,810	1.63
25 CONNECTICUT	2,795	53,415	5.23	56 INDIANA	842	146,141	0.58
26 NORTH CAROLINA	2,778	137,419	2.02	57 SUNY-STONY BROOK	708	18,342	3.86
27 SASKATCHEWAN	2,693	44,830	6.01	58 VANDERBILT	698	52,496	1.33
28 VIRGINIA	2,654	141,305	1.88	59 TULANE	640	114,847	0.56
29 EMORY	2,560	91,504	2.80	60 LOUISIANA STATE	315	38,028	0.83
30 QUEEN'S	2,298	42,345	5.43	61 ALABAMA	295	92,417	0.32
31 CORNELL	2,297	130,331	1.76	62 GEORGETOWN	180	76,926	0.23

**RANK ORDER TABLE 3: CURRENT SERIALS (TOTAL)**

INSTITUTION	HS LIBRARY SERIALS	TOTAL SERIALS	HS % OF TOTAL	INSTITUTION	HS LIBRARY SERIALS	TOTAL SERIALS	HS % OF TOTAL
1 MICHIGAN	30,971	70,047	44.21	32 MONTREAL	3,836	90,160	4.25
2 SOUTH CAROLINA	30,485	66,309	45.97	33 UTAH	3,497	71,926	4.86
3 CHICAGO	29,290	102,767	28.50	34 LOUISIANA STATE	3,212	104,177	3.08
4 TEXAS TECH	22,483	84,317	26.66	35 DARTMOUTH	3,136	64,745	4.84
5 CONNECTICUT	16,586	92,884	17.86	36 ALABAMA	2,816	81,462	3.46
6 ARIZONA	10,785	84,367	12.78	37 SOUTHERN CALIFORNIA	2,749	98,728	2.78
7 YALE	10,407	96,721	10.76	38 GEORGE WASHINGTON	2,136	74,329	2.87
8 MIAMI	9,910	76,869	12.89	39 NEW MEXICO	2,039	77,094	2.64
9 NORTHWESTERN	9,644	98,844	9.76	40 TENNESSEE	1,787	58,377	3.06
10 CORNELL	9,500	102,000	9.31	41 CALIFORNIA, DAVIS	1,343	73,912	1.82
11 EMORY	9,087	83,514	10.88	42 ILLINOIS, CHICAGO	1,238	67,318	1.84
12 TEMPLE	7,598	62,173	12.22	43 SOUTHERN ILLINOIS	1,152	51,350	2.24
13 PENNSYLVANIA STATE	7,262	99,091	7.33	44 KANSAS	920	73,613	1.25
14 INDIANA	7,105	84,933	8.37	45 FLORIDA STATE	698	78,295	0.89
15 MCGILL	6,792	65,536	10.36	46 MCMASTER	293	69,781	0.42
16 HOWARD	6,688	24,307	27.51	47 KENTUCKY	222	78,194	0.28
17 BOSTON	6,508	57,755	11.27	48 FLORIDA	211	89,741	0.24
18 CALIFORNIA, IRVINE	6,466	53,891	12.00	49 ROCHESTER	124	36,033	0.34
19 OHIO STATE	6,411	90,156	7.11	50 CASE WESTERN RESERVE	91	75,083	0.12
20 IOWA	5,788	72,271	8.01	51 WASHINGTON	0	63,575	0.00
21 SASKATCHEWAN	5,530	40,981	13.49	52 CALIFORNIA, LOS ANGELES	UA/NA	38,975	UA/NA
22 DUKE	5,108	91,931	5.56	52 CALIFORNIA, SAN DIEGO	UA/NA	84,513	UA/NA
23 PENNSYLVANIA	4,922	72,688	6.77	52 CINCINNATI	UA/NA	103,066	UA/NA
24 WISCONSIN	4,740	101,596	4.67	52 COLUMBIA	UA/NA	144,787	UA/NA
25 HAWAII	4,688	67,863	6.91	52 HARVARD	UA/NA	132,107	UA/NA
26 SUNY-STONY BROOK	4,483	95,517	4.69	52 MINNESOTA	UA/NA	90,860	UA/NA
27 VANDERBILT	4,410	55,260	7.98	52 NEW YORK	UA/NA	108,454	UA/NA
28 GEORGETOWN	4,153	70,518	5.89	52 OKLAHOMA	UA/NA	69,621	UA/NA
29 NORTH CAROLINA	4,096	80,132	5.11	52 OKLAHOMA STATE	UA/NA	70,803	UA/NA
30 WASHINGTON U.-ST. LOUIS	4,012	71,905	5.58	52 QUEEN'S	UA/NA	69,981	UA/NA
31 TULANE	4,000	83,452	4.79	52 VIRGINIA	UA/NA	117,749	UA/NA

**RANK ORDER TABLE 4: TOTAL LIBRARY EXPENDITURES**

INSTITUTION	HS LIBRARY EXPENDITURES	TOTAL EXPENDITURES	HS % OF TOTAL	INSTITUTION	HS LIBRARY EXPENDITURES	TOTAL EXPENDITURES	HS % OF TOTAL
1 WASHINGTON	8,140,690	43,956,131	18.52	32 SUNY-STONY BROOK	3,791,832	13,772,703	27.53
2 NORTH CAROLINA	7,770,531	40,769,990	19.06	33 MONTREAL	3,782,830	29,812,219	12.69
3 HARVARD	6,533,719	122,980,135	5.31	34 PENNSYLVANIA	3,762,083	39,587,076	9.50
4 MINNESOTA	6,239,579	41,225,580	15.14	35 CALIFORNIA, SAN DIEGO	3,665,036	30,076,158	12.19
5 WASHINGTON U.-ST. LOUIS	6,143,409	28,230,503	21.76	36 CORNELL	3,563,377	46,546,720	7.66
6 NEW YORK	6,003,589	45,893,186	13.08	37 TENNESSEE	3,487,829	23,515,580	14.83
7 VANDERBILT	5,889,596	24,395,492	24.14	38 SASKATCHEWAN	3,430,158	18,235,214	18.81
8 SOUTHERN CALIFORNIA	5,740,036	38,993,308	14.72	39 CINCINNATI	3,391,477	20,330,143	16.68
9 OHIO STATE	5,685,776	38,818,365	14.65	40 KANSAS	3,377,400	23,042,922	14.66
10 YALE	5,523,740	88,942,761	6.21	41 KENTUCKY	3,350,411	21,734,374	15.42
11 CHICAGO	5,343,542	35,646,147	14.99	42 NEW MEXICO	3,349,138	20,809,647	16.09
12 VIRGINIA	5,286,780	34,248,073	15.44	43 GEORGETOWN	3,092,083	28,040,057	11.03
13 TEXAS TECH	5,053,806	26,049,443	19.40	44 CASE WESTERN RESERVE	2,943,992	14,019,260	21.00
14 CALIFORNIA, LOS ANGELES	4,967,481	50,205,645	9.89	45 MCGILL	2,797,751	28,349,450	9.87
15 ILLINOIS, CHICAGO	4,954,663	20,616,384	24.03	46 BOSTON	2,750,466	21,486,285	12.80
16 EMORY	4,817,241	34,720,327	13.87	47 QUEEN'S	2,672,638	16,939,189	15.78
17 FLORIDA	4,692,615	28,147,202	16.67	48 CALIFORNIA, DAVIS	2,655,911	19,932,904	13.32
18 INDIANA	4,636,115	33,147,603	13.99	49 MCMASTER	2,645,078	17,449,235	15.16
19 MIAMI	4,344,461	26,584,581	16.34	50 CALIFORNIA, IRVINE	2,633,748	21,947,912	12.00
20 TEMPLE	4,193,993	22,861,433	18.35	51 PENNSYLVANIA STATE	2,590,921	49,451,130	5.24
21 NORTHWESTERN	4,143,803	30,270,763	13.69	52 IOWA	2,568,927	29,517,181	8.70
22 OKLAHOMA	4,095,123	23,865,613	17.16	53 DARTMOUTH	2,422,847	19,702,562	12.30
23 CONNECTICUT	4,092,075	26,831,009	15.25	54 HOWARD	2,117,244	9,347,005	22.65
24 UTAH	4,026,695	23,948,377	16.81	55 TULANE	1,900,678	14,875,907	12.78
25 DUKE	4,026,532	38,013,641	10.59	56 SOUTHERN ILLINOIS	1,839,339	15,228,311	12.08
26 WISCONSIN	3,966,019	43,732,756	9.07	57 SOUTH CAROLINA	1,398,540	19,284,992	7.25
27 GEORGE WASHINGTON	3,950,880	26,491,902	14.91	58 FLORIDA STATE	1,224,938	15,750,486	7.78
28 ROCHESTER	3,856,755	18,887,593	20.42	59 OKLAHOMA STATE	1,219,764	17,886,909	6.82
29 COLUMBIA	3,847,309	63,320,237	6.08	60 HAWAII	827,284	19,076,939	4.34
30 MICHIGAN	3,824,455	53,134,323	7.20	61 LOUISIANA STATE	619,349	13,428,011	4.61
31 ARIZONA	3,797,023	30,645,753	12.39	62 ALABAMA	359,925	17,430,914	2.06

## RANK ORDER TABLE 5: TOTAL STAFF

INSTITUTION	HS LIBRARY TOTAL STAFF		HS % OF TOTAL	INSTITUTION	HS LIBRARY TOTAL STAFF		HS % OF TOTAL
	STAFF	STAFF			STAFF	STAFF	
1 OHIO STATE	93	469	19.83	32 IOWA	32	282	11.35
2 NORTH CAROLINA	71	468	15.17	32 MONTREAL	32	365	8.77
3 NEW YORK	70	471	14.86	32 ROCHESTER	32	215	14.88
4 TEXAS TECH	68	337	20.18	35 CORNELL	31	524	5.92
5 HARVARD	57	1,214	4.70	35 NORTHWESTERN	31	343	9.04
6 WASHINGTON	56	521	10.75	35 TEMPLE	31	213	14.55
7 MINNESOTA	55	391	14.07	38 CONNECTICUT	30	198	15.15
7 UTAH	55	323	17.03	38 MCMASTER	30	168	17.86
9 ILLINOIS, CHICAGO	52	185	28.11	40 PENNSYLVANIA	29	405	7.16
10 MICHIGAN	45	584	7.71	41 CALIFORNIA, IRVINE	28	230	12.17
10 SOUTHERN CALIFORNIA	45	373	12.06	42 COLUMBIA	26	657	3.96
10 VANDERBILT	45	244	18.44	43 CALIFORNIA, DAVIS	25	208	12.02
13 FLORIDA	44	487	9.03	43 CASE WESTERN RESERVE	25	134	18.66
14 WASHINGTON U.-ST. LOUIS	43	258	16.67	43 CINCINNATI	25	176	14.20
15 TENNESSEE	42	249	16.87	43 GEORGETOWN	25	261	9.58
16 WISCONSIN	41	607	6.75	47 BOSTON	24	281	8.54
17 CALIFORNIA, LOS ANGELES	40	580	6.90	48 CHICAGO	23	314	7.32
17 NEW MEXICO	40	235	17.02	48 DARTMOUTH	23	196	11.73
19 OKLAHOMA	39	233	16.74	48 HOWARD	23	157	14.65
19 YALE	39	716	5.45	51 SOUTHERN ILLINOIS	22	191	11.52
21 DUKE	38	348	10.92	52 MCGILL	21	250	8.40
21 KANSAS	38	291	13.06	53 QUEEN'S	20	170	11.76
21 SUNY-STONY BROOK	38	144	26.39	54 PENNSYLVANIA STATE	18	596	3.02
24 GEORGE WASHINGTON	37	245	15.10	54 SOUTH CAROLINA	18	274	6.57
25 INDIANA	36	415	8.67	54 TULANE	18	153	11.76
25 MIAMI	36	276	13.04	57 SASKATCHEWAN	16	154	10.39
27 VIRGINIA	35	378	9.26	58 OKLAHOMA STATE	12	217	5.53
28 CALIFORNIA, SAN DIEGO	34	361	9.42	59 LOUISIANA STATE	8	187	4.28
28 EMORY	34	283	12.01	60 FLORIDA STATE	7	224	3.13
28 KENTUCKY	34	268	12.69	60 HAWAII	7	238	2.94
31 ARIZONA	33	287	11.50	62 ALABAMA	6	203	2.96

**RANK ORDER TABLE 6: TOTAL ELECTRONIC RESOURCES EXPENDITURES**

INSTITUTION	HS LIBRARY	TOTAL	HS % OF	INSTITUTION	HS LIBRARY	TOTAL	HS % OF
	E-RESOURCES	E-RESOURCES	TOTAL		E-RESOURCES	E-RESOURCES	TOTAL
1 CHICAGO	3,093,364	7,030,483	44.00	32 QUEEN'S	1,319,421	4,960,207	26.60
2 NORTH CAROLINA	3,077,248	8,565,526	35.93	33 ARIZONA	1,308,613	8,696,274	15.05
3 VANDERBILT	2,868,539	7,932,073	36.16	34 CINCINNATI	1,284,455	5,554,516	23.12
4 INDIANA	2,726,807	7,561,199	36.06	35 DUKE	1,216,650	8,384,850	14.51
5 YALE	2,423,937	9,418,024	25.74	36 KANSAS	1,177,031	5,973,543	19.70
6 MINNESOTA	2,391,536	9,327,938	25.64	37 NEW MEXICO	1,137,989	4,203,707	27.07
7 WASHINGTON	2,319,010	8,672,713	26.74	38 CALIFORNIA, DAVIS	1,131,891	4,888,620	23.15
8 SOUTHERN CALIFORNIA	2,283,898	6,676,513	34.21	39 EMORY	1,103,744	6,117,121	18.04
9 NEW YORK	2,253,833	9,874,054	22.83	40 CORNELL	1,083,871	7,605,859	14.25
10 TEMPLE	2,230,413	7,800,437	28.59	41 MCGILL	1,076,907	7,667,117	14.05
11 TEXAS TECH	2,206,558	5,854,021	37.69	42 HOWARD	1,066,473	2,547,396	41.87
12 NORTHWESTERN	2,156,732	7,838,852	27.51	43 DARTMOUTH	1,032,675	6,289,015	16.42
13 HARVARD	2,114,111	10,204,304	20.72	44 BOSTON	970,155	4,958,895	19.56
14 PENNSYLVANIA	2,103,118	7,498,556	28.05	45 VIRGINIA	855,024	5,350,099	15.98
15 WASHINGTON U.-ST. LOUIS	2,043,251	7,956,611	25.68	46 FLORIDA STATE	854,074	5,808,581	14.70
16 COLUMBIA	1,878,538	11,926,816	15.75	47 IOWA	851,428	7,665,973	11.11
17 MONTREAL	1,732,742	7,232,096	23.96	48 UTAH	832,417	4,500,465	18.50
18 ROCHESTER	1,715,407	3,741,503	45.85	49 MICHIGAN	814,318	10,437,821	7.80
19 PENNSYLVANIA STATE	1,675,811	11,159,991	15.02	50 CALIFORNIA, IRVINE	646,791	5,389,920	12.00
20 MIAMI	1,669,551	9,391,680	17.78	51 SOUTH CAROLINA	588,072	4,862,112	12.09
21 CONNECTICUT	1,639,340	7,174,384	22.85	52 TULANE	586,319	5,648,319	10.38
22 GEORGETOWN	1,612,000	5,003,140	32.22	53 LOUISIANA STATE	406,400	4,099,957	9.91
23 GEORGE WASHINGTON	1,602,048	5,216,058	30.71	54 HAWAII	405,404	5,636,156	7.19
24 SUNY-STONY BROOK	1,586,252	4,475,822	35.44	55 OKLAHOMA STATE	269,290	.	.
25 ILLINOIS, CHICAGO	1,530,825	1,530,825	100.00	56 SOUTHERN ILLINOIS	141,866	4,261,789	3.33
26 OKLAHOMA	1,502,046	5,066,452	29.65	57 ALABAMA	76,439	5,735,897	1.33
27 CASE WESTERN RESERVE	1,494,041	3,818,943	39.12	58 OHIO STATE	5,458	5,598,596	0.10
28 CALIFORNIA, SAN DIEGO	1,466,190	5,772,873	25.40	59 CALIFORNIA, LOS ANGELES	.	5,150,666	.
29 TENNESSEE	1,463,420	7,676,038	19.06	59 FLORIDA	.	4,498,063	.
30 WISCONSIN	1,448,502	6,513,942	22.24	59 MCMASTER	.	4,102,720	.
31 KENTUCKY	1,433,980	6,285,343	22.81	59 SASKATCHEWAN	.	4,321,026	.



# ARL STATISTICS QUESTIONNAIRE 2008–2009

## INSTRUCTIONS FOR COMPLETING THE QUESTIONNAIRE

### General Instructions

Definitions of statistical categories can be found in NISO Z39.7-2004, *Information Services and Use: Metrics & statistics for libraries and information providers--Data Dictionary* (<http://www.niso.org/>). ARL has been modifying the interpretation of the standard definitions to address questions posed by library staff at various member institutions that complete the survey and with feedback from the ARL Statistics and Assessment Committee (<http://www.arl.org/stats/aboutstats/index.shtml>).

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

**Please respond to every question.** If an exact figure cannot be provided, use NA/UA to indicate that the figure is either unavailable or not applicable. If the appropriate answer is zero or none, use **0**.

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

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

The questionnaire assumes a fiscal year ending **June 30, 2009**. If your fiscal year is different, please indicate this in the notes below by adjusting the reporting period.

**Footnotes.** Explanatory footnotes will be included with the published statistics. Provide any notes you may have in the footnotes area at the end of the survey. Reporting libraries are urged to record there any information that would clarify the figures submitted in that line, e.g., the inclusion and exclusion of branch campus libraries. 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. Please use a concise sentence/paragraph format when writing footnotes—**do not use “bullets” or make a “bullet list.”**

### Specific Instructions

#### Questions 1-1b. Volumes:

**Question 1. Volumes in Library.** Use the ANSI/NISO Z39.7-2004 definition for **volume** as follows:

*a single physical unit of any printed, typewritten, handwritten, mimeographed, or processed work, distinguished from other units by a separate binding, encasement, portfolio, or other clear distinction, which has been **cataloged, classified, and made ready for use**, and which is typically the unit used to charge circulation transactions. Either a serial volume is bound, or it comprises the serial issues that would be bound together if the library bound all serials.*

Include duplicates and bound volumes of periodicals. For purposes of this questionnaire, unclassified bound serials arranged in alphabetical order are considered classified. Exclude microforms, maps, nonprint materials, and uncataloged items. If any of these items cannot be excluded, please provide an explanatory footnote

Include government document volumes that are accessible through the library's catalogs regardless of whether they are separately shelved. "Classified" includes documents arranged by Superintendent of Documents, CODOC, or similar numbers. "Cataloged" includes documents for which records are provided by the library or downloaded from other sources into the library's card or online catalogs. Documents should, to the extent possible, be counted as they would if they were in bound volumes (e.g., 12 issues of an annual serial would be one or two volumes). Title and piece counts should not be considered the same as volume counts. If a volume count has not been kept, it may be estimated through sampling a representative group of title records and determining the corresponding number of volumes, then extrapolating to the rest of the collection. As an alternative, an estimate may be made using the following formulae:

$$\begin{aligned} &52 \text{ documents pieces per foot} \\ &10 \text{ "traditional" volumes per foot} \\ &5.2 \text{ documents pieces per volume} \end{aligned}$$

Include e-book units, as long as these e-books are owned or leased and have been cataloged by your library. Include electronic books purchased through vendors such as NetLibrary® or Books 24x7, and e-books that come as part of aggregate services. Include individual titles of e-book sets that are treated as individual reference sources. Include locally digitized electronic books and electronic theses and dissertations. Provide a footnote explaining how many e-books you are reporting, preferably by specifying the products and the number of titles in a note.

Include volumes purchased collectively where the cost is shared at the time of purchase.

If either formulas or sampling are used for deriving your count, please indicate in a footnote.

**Question 1b. Volumes Added.** Include only volumes cataloged, classified, and made ready for use. Include government documents if they have been included in the count of volumes on line 1a. Do not include as part of Volumes Added Gross any government documents or other collections (such as large gift collections or e-book packages, EBBO, etc.) that were added to the collection as the result of a one time download or addition to the OPAC. Include these items in Volumes Held of the previous year (Line 1a) and provide a footnote explaining the revision of Line 1a.

**Question 2. Titles Held.** Use the ANSI/NISO Z39.7-2004 definition for **title** as follows:

The designation of a separate bibliographic whole, whether issued in one or several volumes  
... Titles are defined according to the Anglo-American Cataloging Rules. A book or serial title may be distinguished from other such titles by its unique International Standard Book Number (ISBN) or International Standard Serial Number (ISSN). This definition applies equally to print, audiovisual, and other library materials. For unpublished works, the term is used to designate a manuscript collection or an archival record series. Two subscriptions to Science magazine, for example, are counted as one title. When vertical file materials are counted, a file folder is considered a title.

Report the total number of **unique** titles cataloged, classified and made ready for use. The number of titles reported here is for the number of volumes reported under line (1). Include e-books as specified above in question (1). For those reporting a bibliographic volume under line (1), their title count may be exactly the same as their volume count.

**Question 3. Monographic Volumes Purchased.** Report number of volumes purchased; do not include volumes received or cataloged. Include all volumes for which an expenditure was made during 2008-09, including volumes paid for in advance but not received during the fiscal year. Include monographs in series and continuations. Include e-books that fit the NetLibrary® model, i.e., electronic manifestations of physical entities and/or units; provide a footnote explaining how many e-books you are reporting, preferably by specifying the products and the number of titles. If only number of titles purchased can be reported, please report the data and provide an explanatory footnote.

**Question 4: Basis of Volume Count.** A physical count is a piece count; a bibliographic count is a catalog record count.

**Questions 5. Serials.** Use the following definition **adapted from AACR2 for a serial:**

*A bibliographic resource issued in a succession of discrete parts, usually bearing numbering, that has no predetermined conclusion. Examples of serials include journals, magazines, electronic journals, continuing directories, annual reports, newspapers, and monographic series.*

**Report the total number of unique serial titles, NOT SUBSCRIPTIONS, that you currently acquire and to which you provide access. Do not include duplicate counts of serial titles. Report each title once, regardless of how many subscriptions or means of access you provide for that title. Exclude unnumbered monographic and publishers' series. Electronic serials acquired as part of a bundle or an aggregated package should be counted at the title level, even if they are not cataloged, as long as the title is made accessible directly by the library (e.g., through a finding aid). If access is provided only through the overall platform or aggregator, do not report the individual titles but count the package as a single title.**

**Question 5a. Serial titles currently purchased.** In the case of consortial agreements, count under 'serial titles currently purchased' those titles for which the library pays any amount from its budgeted expenditures. Include all titles that are part of bundles or aggregated packages, even if your library makes a partial payment for access to those titles. If a purchased title includes electronic access to the title, count that title ONLY ONCE (DEDUPED) as electronic only. If a database includes full-text and abstracted titles, the number of full-text titles can be counted.

**Question 5b. Serial titles: Not Purchased.** Report other titles that your library receives and does not pay for directly under 'serial titles received but not purchased.' These titles may include exchanges, gifts, etc.

If serial titles have been purchased through a consortium whose budget is centrally funded and independent from the library's budget, these serials should be reported under 'serial titles currently received but not purchased.' If within a purchased or aggregated package it cannot be determined that some titles are not purchased, report all titles as purchased.

**Freely accessible titles are those your library provides direct access to via cataloging records or through online serial lists of other finding aids.**

**To the extent possible, report all government document serials separately in (5b.iv).**

If separate counts of non-purchased and purchased serial titles are not available, report only the total number of serial titles currently purchased and received on line (5), and report NA/UA for lines (5a) and (5b).

**Question 7. Microforms.** Report the total number of physical units: reels of microfilm, microcards, and microprint and microfiche sheets. Include all government documents in microform; provide a footnote if documents are excluded.

**Question 8. Government documents.** Report the total number of physical units (pieces) of government documents in paper format that have not been counted elsewhere. Include local, state, national, and international documents; include documents purchased from a commercial source if shelved with separate documents collections and not counted above. Include serials and monographs. To estimate pieces from a measurement of linear feet, use the formula  $1 \text{ foot} = 52 \text{ pieces}$  and indicate in a footnote that the count is based on this estimate. Exclude microforms and non-print formats such as maps or CD-ROMs. Adjust line (1a), i.e., last year's Volumes Held, and provide a footnote if you are adding records to the OPAC for government documents previously held but not counted as part of Volumes Held line (1a).

**Question 9. Computer files.** Include the number of pieces of computer-readable disks, tapes, CD-ROMs, and similar machine-readable files comprising data or programs that are locally held as part of the library's collections available to library clients. Examples are U.S. Census data tapes, sample research software, locally-mounted databases, and reference tools on CD-ROM, tape or disk. Exclude bibliographic records used to manage the collection (i.e., the library's own catalog in machine-readable form), library system software, and microcomputer software used only by the library staff.

**Question 10. Manuscripts and archives.** Include both manuscripts and archives measured in linear feet.

**Question 11. Cartographic materials.** Include the numbers of pieces of two- and three-dimensional maps and globes. Include satellite and aerial photographs and images.

**Question 12. Graphic materials.** Include the number of pieces of prints, pictures, photographs, postcards, slides, transparencies, film strips, and the like.

**Question 13. Audio materials.** Include the number of pieces of audiocassettes, phonographic discs, audio compact discs, reel-to-reel tapes, and other sound recordings.

**Question 14. Film and video materials.** Include the number of pieces of motion pictures, videocassettes, video laser discs, and similar visual materials.

**Questions 15-21. Expenditures.** Report all expenditures of funds that come to the library from the regular institutional budget, and from sources such as research grants, special projects, gifts and endowments, and fees for service. (For question (18), include non-library funds; see instruction for question (18). Do not report encumbrances of funds that have not yet been expended. **Canadian libraries should report expenditures in Canadian dollars.** (For your information, if interested in determining figures in U.S. dollars, divide Canadian dollar amounts by 1.1667, the average monthly noon exchange rate published in the Bank of Canada *Review* for the period July 2008-June 2009). **Please round figures to the nearest dollar.**

**Question 16a. Monographs.** Report expenditures for volumes purchased counted on line (3).

**Question 16b. Serial titles.** Report expenditures for serial titles counted on line (5a). Exclude unnumbered monographic and publishers' series, and encumbrances.

**Question 16c. Other library materials.** Include expenditures for all materials not reported in Questions (16a) and (16b), e.g., backfiles of serials, charts and maps, audiovisual materials, manuscripts, etc. If expenditures for these materials are included in lines (16a) and/or (16b) and cannot be disaggregated, please report U/A and provide a footnote. Do not include encumbrances.

**Question 16d. Miscellaneous expenditures.** Include any other **materials funds expenditures** not included in questions (16a)-(16c), e.g., expenditures for bibliographic utilities, literature searching, security devices, memberships for the purposes of publications, etc. Please list categories, with amounts, in a footnote. **Note:** If your library does not use materials funds for non-

materials expenditures—i.e., if those expenditures are included in “Other Operating Expenditures”— **report 0, not NA/UA**, on line (16d).

**Question 17. Contract Binding.** Include only contract expenditures for binding done outside the library. If all binding is done in-house, state this fact and give in-house expenditures in a footnote; do not include personnel expenditures. Note: this figure should also be reported in the 2008-09 ARL Preservation Survey, question (8b).

**Questions 18. Salaries and wages.** Exclude fringe benefits. If professional, support staff and student salaries cannot be separated, enter NA/UA, in lines (18a), (18b) and (18c) and enter total staff salaries in line (18).

**Question 18c. Salaries and wages: Student Assistants.** Report 100% of student wages regardless of budgetary source of funds. Include federal and local funds for work study students.

**Question 20. Other operating expenditures.** Exclude expenditures for buildings, maintenance, and fringe benefits.

**Questions 22-26. Electronic expenditures.** These items are intended to indicate what portion of your institution’s total library expenditures are dedicated to electronic resources and services. Please use the Footnotes to indicate any electronic materials expenditures you believe not to be covered by these questions. **Many expenditures recorded in these questions should have been included in question (21), total library expenditures.**

**Question 22. One-time electronic resource purchases.** Report expenditures that are not current serials (i.e. are non-subscription, one-time, or monographic in nature) for software and machine-readable materials considered part of the collections. Examples include periodical backfiles, literature collections, one-time costs for JSTOR membership, etc. Expenditures reported here may be derived from any of the following categories: Monographs (16a), Other Library Materials (16c), Miscellaneous (16d), or Other Operating Expenditures (20).

**Question 23. Ongoing electronic resource purchases.** Report subscription expenditures (or those which are expected to be ongoing commitments) for serial publications whose primary format is electronic and for online searches of remote databases such as OCLC FirstSearch, DIALOG, Lexis-Nexis, etc. Examples include paid subscriptions for electronic journals and indexes/abstracts available via the Internet, CD-ROM serials, and annual access fees for resources purchased on a “one-time” basis, such as literature collections, JSTOR membership, etc. Not all items whose expenditures are counted here will be included in Serial titles currently received question (5) or Serials Expenditures question (16b).

**Question 24. Bibliographic Utilities, Networks, and Consortia.** Because it is increasingly common for ARL Libraries to enter into consortial arrangements to purchase access to electronic resources, both “Library” and “External” expenditure blanks and instructions are provided. Please use a footnote to describe expenditures that you believe are not covered by the question, or situations that do not seem to fit the instructions.

**Question 24a. From internal library sources.** Report expenditures paid by the Library for services provided by national, regional, and local bibliographic utilities, networks, and consortia, such as OCLC and RLG, unless for user database access and subscriptions, which should be reported in questions (22) or (23). Include only expenditures that are part of Other Operating Expenditures (Q20).

**Question 24b. From external sources.** If your library receives access to computer files, electronic serials or search services through one or more centrally-funded system or consortial arrangements for which it does not pay fully and/or directly (for example, funding is provided by the state on behalf of all members), enter the amount paid by external bodies on its behalf. If the specific dollar amount is not known, but the total student FTE for the consortium and amount spent for the academic members are known, divide the overall amount spent by your institution’s share of the total student FTE.

**Question 25. Computer hardware and software.** Report expenditures from the library budget for computer hardware and software used to support library operations, whether purchased or leased, mainframe or microcomputer, and whether for staff or public use. Include expenditures for: maintenance; equipment used to run information service products when those expenditures can be separated from the price of the product; telecommunications infrastructure costs, such as wiring, hubs, routers, etc. Include only expenditures that are part of Other Operating Expenditures (20).

**Question 26. Document Delivery/Interlibrary Loan.** Report expenditures for document delivery and interlibrary loan services (both borrowing and lending). Include fees paid for photocopies, costs of telefacsimile transmission, royalties and access fees paid to provide document delivery or interlibrary loan. Include fees paid to bibliographic utilities if the portion paid for interlibrary loan can be separately counted. Include only expenditures that are part of Miscellaneous Materials Expenditures (16d) or Other Operating Expenditures (20), and only for those ILL/DD programs with data recorded in Questions (35)-(36).

**Questions 27. Personnel.** Report the number of FTE (full-time equivalent) staff in filled positions, or positions that are only temporarily vacant. ARL defines temporarily vacant positions as positions that were vacated during the fiscal year for which ARL data were submitted, for which there is a firm intent to refill, and for which there are expenditures for salaries reported on line (18).

Include cost recovery positions and staff hired for special projects and grants, but provide an explanatory footnote indicating the number of such staff. If such staff cannot be included, provide a footnote. To compute full-time equivalents of part-time employees and student assistants, take the total number of hours per week (or year) worked by part-time employees in each category and divide it by the number of hours considered by the reporting library to be a full-time work week (or year). **Round figures to the nearest whole numbers.**

**Question 27a. Professional Staff.** Since the criteria for determining professional status vary among libraries, there is no attempt to define the term “professional.” Each library should report those staff members it considers professional, including, when appropriate, staff who are not librarians in the strict sense of the term, for example computer experts, systems analysts, or budget officers.

**Question 27b. Support Staff.** Report the total FTE (see instruction (27) of staff not included in (27a).

**Question 27c. Student Assistants.** Report the total FTE (see instruction Q27) of student assistants employed on an hourly basis whose wages are paid from funds under library control or from a budget other than the library’s, including federal work-study programs. Exclude maintenance and custodial staff.

**Question 28. Number of staffed library service points.** Count the number of staffed public service points in the main library and in all branch libraries reported in this inventory, including reference desks, information desks, circulation, current periodicals, reserve rooms, reprographic services (if staffed as a public facility), etc. Report the number of designated locations, not the number of staff.

**Question 29. Number of weekly public service hours.** Report an unduplicated count of the total public service hours per typical full-service week (i.e., no holidays or other special accommodations) across both main library and branches using the following method (corresponds to IPEDS): If a library is open from 9:00 a.m. to 5:00 p.m. Monday through Friday, it should report 40 hours per week. If several of its branches are also open during these hours, the figure remains 40 hours per week. Should Branch A also be open one evening from 7:00 p.m. to 9:00 p.m., the total hours during which users can find service somewhere within the system becomes 42 hours per week. If Branch B is open the same hours on the same evening, the count is still 42, but if Branch B is open two hours on another evening, or remains open two hours later, the total is then 44 hours per week. **Exclude 24-hour unstaffed reserve or similar reading rooms.** The maximum total is 168 (i.e., a staffed reading room open 7 days per week, 24 hours per day).

**Questions 30-31. Instruction.** Sampling based on a typical week may be used to extrapolate TO A FULL YEAR for Questions (30) and (31). Please indicate if responses are based on sampling.

**Question 30. Presentations to Groups.** Report the total number of sessions during the year of presentations made as part of formal bibliographic instruction programs and through other planned class presentations, orientation sessions, and tours. If the library sponsors multi-session or credit courses that meet several times over the course of a semester, each session should be counted. Presentations to groups may be for either bibliographic instruction, cultural, recreational, or educational purposes. Presentations both on and off the premises should be included as long as they are sponsored by the library. Do not include meetings sponsored by other groups using library meeting rooms. Do not include training for library staff; the purpose of this question is to capture information about the services the library provides for its clientele. Please indicate if the figure is based on sampling.

**Question 31. Participants in Group Presentations.** Report the total number of participants in the presentations reported on line (30). For multi-session classes with a constant enrollment, count each person only once. Personal, one-to-one instruction in the use of sources should be counted as reference transactions on line (32). Please indicate if the figure is based on sampling. Use a footnote to describe any special situations.

**Question 32. Reference Transactions.** Report the total number of reference transactions. A **reference transaction** is

*an information contact that involves the knowledge, use, recommendations, interpretation, or instruction in the use of one or more information sources by a member of the library staff. The term includes information and referral service. Information sources include (a) printed and nonprinted material; (b) machine-readable databases (including computer-assisted instruction); (c) the library's own catalogs and other holdings records; (d) other libraries and institutions through communication or referral; and (e) persons both inside and outside the library. When a staff member uses information gained from previous use of information sources to answer a question, the transaction is reported as a reference transaction even if the source is not consulted again.*

If a contact includes both reference and directional services, it should be reported as one reference transaction. Include virtual reference transactions (e.g., e-mail, WWW form, chat). Duration should not be an element in determining whether a transaction is a reference transaction. Sampling based on a typical week may be used to extrapolate TO A FULL YEAR for Question 32. Please indicate if the figure is based on sampling.

**EXCLUDE SIMPLE DIRECTIONAL QUESTIONS.** A directional transaction is an information contact that facilitates the logistical use of the library and that does not involve the knowledge, use, recommendations, interpretation, or instruction in the use of any information sources other than those that describe the library, such as schedules, floor plans, and handbooks.

**Questions 33-34. Circulation.** For Question (33), count the number of initial circulations during the fiscal year from the general collection for use usually (although not always) outside the library. Do not count renewals. Include circulations to and from remote storage facilities for library users (i.e., do not include transactions reflecting transfers or stages of technical processing). Count the total number of items lent, not the number of borrowers.

For Question (34), report total circulation for the fiscal year including initial transactions reported on line (33) and renewal transactions. Exclude reserve circulations; these are no longer reported.

**Questions 35-36. Interlibrary Loans.** Report the number of requests for material (both returnables and non-returnables) provided to other libraries on line (35) and the number of filled requests received from other libraries or providers on line (36). On both lines, include originals, photocopies, and materials sent by telefacsimile or other forms of electronic transmission. Include patron-initiated transactions. Exclude requests for materials locally owned and available on the shelves or electronically. Do not include transactions between libraries covered by this questionnaire.

**Question 37. PhD Degrees.** Report the number awarded during the 2007-08 fiscal year. Please note that only the number of Ph.D. degrees are to be counted. Statistics on all other advanced degrees (e.g., D.Ed., D.P.A., M.D., J.D.) should not be reported in this survey. If you are unable to provide a figure for Ph.D.s only, please add a footnote.

**Question 38. PhD Fields.** For the purposes of this report, Ph.D. fields are defined as the specific discipline specialties enumerated in the U.S. Department of Education's Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey. Although the IPEDS form requests figures for all doctoral degrees, only fields in which PhDs are awarded should be reported on the ARL questionnaire. Any exceptions should be footnoted.

**Question 39. Instructional Faculty.** Instructional faculty are defined by the U.S. Dept. of Education as:

*members of the instruction/research staff who are employed full-time as defined by the institution, including faculty with released time for research and faculty on sabbatical leave.*

Full-time counts generally exclude faculty who are employed to teach fewer than two semesters, three quarters, two trimesters, or two four-month sessions; replacements for faculty on sabbatical leave or leave without pay; faculty for preclinical and clinical medicine; faculty who are donating their services; faculty who are members of military organizations and paid on a different pay scale from civilian employees; academic officers, whose primary duties are administrative; and graduate students who assist in the instruction of courses. Please be sure the number reported, and the basis for counting, are consistent with those for 2006-07 (unless in previous years faculty were counted who should have been excluded according to the above definition). Please footnote any discrepancies.

**Questions 40-43. Enrollment.** U.S. libraries should use the Fall 2008 enrollment figures reported to the Department of Education on the Integrated Postsecondary Education Data System survey. Please check these figures against the enrollment figures reported to ARL last year to ensure consistency and accuracy. **Note:** In the past, the number of part-time students reported was FTE; the number now reported to IPEDS is a head count of part-time students. Canadian libraries should note that the category "graduate students" as reported here includes all post-baccalaureate students.

#### FOOTNOTES

Please consult the data entry Web interface ([www.arlstatistics.org](http://www.arlstatistics.org)) for a copy of last year's footnotes. These can be found under "Data Repository" after you login into [www.arlstatistics.org](http://www.arlstatistics.org). Explanatory footnotes will be included with the published statistics. Reporting libraries are urged to record in the footnote section any information that would clarify the figures submitted, e.g., the inclusion and exclusion of branch campus libraries (see the "General Instructions" for definition of branch campus libraries). 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.

**NOTE:** Any change over 10% in any answer to any of the survey's questions over the preceding year's response (2007-08) should be addressed with a footnote.

Submit the completed questionnaire by  
**October 15, 2009.**

For assistance, please e-mail Martha Kyrillidou ([martha@arl.org](mailto:martha@arl.org)) or Les Bland ([les@arl.org](mailto:les@arl.org))  
Tel. (202) 296-2296.

# ARL STATISTICS WORKSHEET 2008–2009

This worksheet is designed to help you plan your submission for the 2008-2009 *ARL Statistics*. The figures on this worksheet should be similar to those in the "Summary" page of your web form, except in cases where data are unavailable. If an exact figure is unavailable, use "NA/UA". If the appropriate answer is zero or none, use "0."

Reporting Institution \_\_\_\_\_ Date Returned to ARL \_\_\_\_\_  
Report Prepared by (name) \_\_\_\_\_  
Title \_\_\_\_\_  
Email address \_\_\_\_\_ Phone number \_\_\_\_\_  
Contact person (if different) \_\_\_\_\_  
Title \_\_\_\_\_  
Email address \_\_\_\_\_ Phone number \_\_\_\_\_

## PAGE ONE – VOLUMES AND TITLES:

1. Volumes held June 30, 2009 (1.a + 1.b) (1) \_\_\_\_\_
  - 1a. Volumes held June 30, 2008 (1.a) \_\_\_\_\_
  - 1b. Volumes added during the year (1.b.i – 1.b.ii) (1.b) \_\_\_\_\_
    - (i) Volumes added – Gross (1.b.i) \_\_\_\_\_
    - (ii) Volumes withdrawn during year (1.b.ii) \_\_\_\_\_
2. Titles held June 30, 2009 (2) \_\_\_\_\_
3. Number of monographic volumes purchased (3) \_\_\_\_\_
4. Basis of volume count is: (4) \_\_\_\_\_ Physical  
\_\_\_\_\_ Bibliographic

PAGE TWO – OTHER COLLECTIONS

SERIALS

5. Total number of serial titles currently received, including periodicals (5.a + 5.b)  
(5) \_\_\_\_\_

5a. Number of serial titles currently purchased (5a.i + 5a.ii) (5a) \_\_\_\_\_

5a.i Electronic (5a.i) \_\_\_\_\_

5a.ii Print (and other format) serials purchased (5a.ii) \_\_\_\_\_

5b. Number of serial titles currently received but not purchased  
(5b.i + 5b.ii + 5b.iii + 5b.iv) (5b) \_\_\_\_\_

5b.i Consortial (5b.i) \_\_\_\_\_

5b.ii Freely accessible (5b.ii) \_\_\_\_\_

5b.iii Print (and other format) – *Exchanges, gifts, etc.* (5b.iii) \_\_\_\_\_

5b.iv Government documents (5b.iv) \_\_\_\_\_

6. Government documents are included in count of Current Serials? (6) \_\_\_\_\_ Yes \_\_\_\_\_ No

OTHER LIBRARY MATERIALS

7. Microform units (7) \_\_\_\_\_

8. Government documents not counted elsewhere (8) \_\_\_\_\_

9. Computer files (9) \_\_\_\_\_

10. Manuscripts and archives (linear ft.) (10) \_\_\_\_\_

AUDIOVISUAL MATERIALS

11. Cartographic (11) \_\_\_\_\_

12. Graphic (12) \_\_\_\_\_

13. Audio (13) \_\_\_\_\_

14. Film and Video (14) \_\_\_\_\_

PAGE THREE – EXPENDITURES

15. Are the below figures reported in Canadian dollars? (15) \_\_\_\_\_ Yes  
\_\_\_\_\_ No

16. Total Library Materials Expenditures (16.a + 16.b + 16.c + 16.d) (16) \_\_\_\_\_

16a. Monographs (16a) \_\_\_\_\_

16b. Serial titles, including periodicals (16b) \_\_\_\_\_

16c. Other Library Materials (16c) \_\_\_\_\_

16d. Miscellaneous (16d) \_\_\_\_\_

17. Contract binding (17) \_\_\_\_\_

18. Total Salaries and Wages (18.a + 18.b + 18.c) (18) \_\_\_\_\_

18a. Professional staff (18a) \_\_\_\_\_

18b. Support staff (18b) \_\_\_\_\_

18c. Student assistants (18c) \_\_\_\_\_

19. Fringe benefits are included in expenditures for salaries and wages? (19) \_\_\_\_\_ Yes  
\_\_\_\_\_ No

20. Other operating expenditures (20) \_\_\_\_\_

21. Total library expenditures (16 + 17 + 18 + 20) (21) \_\_\_\_\_

**ELECTRONIC MATERIALS EXPENDITURES**

22. One-time electronic resource purchases (22) \_\_\_\_\_

23. Ongoing electronic resource purchases (e.g., subscriptions, annual license fees) (23) \_\_\_\_\_

24. Bibliographic Utilities, Networks, and Consortia

24a. From internal library sources (24a) \_\_\_\_\_

24b. From external sources (24b) \_\_\_\_\_

25. Computer hardware and software (25) \_\_\_\_\_

26. Document Delivery/Interlibrary Loan (26) \_\_\_\_\_

**PAGE FOUR – PERSONNEL AND PUBLIC SERVICES**

**PERSONNEL** (Round figures to nearest whole number.)

- 27. Total Staff FTE (27.a + 27.b + 27.c)** (27) \_\_\_\_\_
- 27a. Professional staff, FTE (27a) \_\_\_\_\_
- 27b. Support staff, FTE (27b) \_\_\_\_\_
- 27c. Student assistants, FTE (27c) \_\_\_\_\_

**STAFFED SERVICE POINTS AND HOURS**

- 28. Number of staffed library service points** (28) \_\_\_\_\_
- 29. Number of weekly public service hours** (29) \_\_\_\_\_

**INSTRUCTION**

- 30. Number of library presentations to groups** (30) \_\_\_\_\_
- 30a. Is the library presentations figure based on sampling?  
(30a) \_\_\_\_\_ Yes \_\_\_\_\_ No

- 31. Number of total participants in group presentations reported in line 30**  
(31) \_\_\_\_\_

- 31a. Is the total participants in group presentations figure based on sampling?  
(31a) \_\_\_\_\_ Yes \_\_\_\_\_ No

**REFERENCE**

- 32. Number of reference transactions** (32) \_\_\_\_\_
- 32a. Is the reference transactions figure based on sampling?  
(32a) \_\_\_\_\_ Yes \_\_\_\_\_ No

PAGE FIVE – PUBLIC SERVICES AND LOCAL CHARACTERISTICS

CIRCULATION

33. Number of initial circulations (excluding reserves) (33) \_\_\_\_\_

34. Total circulations (initial and renewals, excluding reserves) (34) \_\_\_\_\_

INTERLIBRARY LOANS

35. Total number of filled requests provided to other libraries (35) \_\_\_\_\_

36. Total number of filled requests received from other libraries or providers (36) \_\_\_\_\_

PhD DEGREES AND FACULTY

37. Number of PhDs awarded in FY2008-2009 (37) \_\_\_\_\_

38. Number of fields in which PhDs can be awarded (38) \_\_\_\_\_

39. Number of full-time instructional faculty in FY2008-2009 (39) \_\_\_\_\_

ENROLLMENT – FALL 2008

(Line numbers refer to IPEDS survey form.)

40. Full-time students, undergraduate and graduate (40) \_\_\_\_\_  
(Add line 8, columns 15 & 16, and line 14, columns 15 & 16.)

41. Part-time students, undergraduate and graduate (41) \_\_\_\_\_  
(Add line 22, columns 15 & 16, and line 28, columns 15 & 16.)

42. Full-time graduate students (Line 14, columns 15 & 16.) (42) \_\_\_\_\_

43. Part-time graduate students (Line 28, columns 15 & 16.) (43) \_\_\_\_\_

FOOTNOTES

On the web form, you will be able to add footnotes to individual questions, as well as footnotes that apply to your entire institution. Please provide any information which would clarify the figures submitted, e.g., the inclusion of branch campus libraries or any special projects which might cause radical increases or decreases. Please use the footnotes in the *ARL Statistics 2007-2008* for comparison if necessary. Please consult the Data Repository under [www.arlstatistics.org](http://www.arlstatistics.org) for a copy of last year's footnotes. These can be found under "Data Repository" after you login to [www.arlstatistics.org](http://www.arlstatistics.org). 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. Please use a concise sentence/paragraph format when writing footnotes—do not use bullets or make a bullet list.

**NOTE:** Any change over 10% in any answer to any of the survey's questions over the preceding year's response (2007-08) should be addressed with a footnote.

Submit the completed questionnaire by  
**October 15, 2009.**

For assistance, please e-mail Martha Kyriillidou ([martha@arl.org](mailto:martha@arl.org)) or Les Bland ([les@arl.org](mailto:les@arl.org))  
Tel. (202) 296-2296.



## FOOTNOTES

Footnotes may also include errata and corrections to data not previously reported from prior years. Numbers refer to columns in Library Data Tables and to Questionnaire numbers. Unless otherwise noted, all figures are as of 06/30/2009.

QUESTION NUMBER	FOOTNOTE
<b>ALABAMA</b>	
	All figures are as of 09/30/2009.
<b>ARIZONA</b>	
	Library branches included: Arizona Health Sciences Library-Phoenix.
24.a	AMIGOS/OCLC charges were \$8,410: membership \$350, user fee \$1,100, annual usage \$6,960. However, the amount shown was covered by cataloging and ILL credits held at AMIGOS.
30-31	Includes education and outreach group teaching.
<b>CALIFORNIA, DAVIS</b>	
	Library branches included: Blaisdell and Carlson Health Sciences Libraries.
	Library branches NOT included: Shields Library and the Physical Science and Engineering Library
1.a	Volumes held June 30, 2008 revised to 370,836.
<b>CALIFORNIA, LOS ANGELES</b>	
5.a	Serial count is an estimate based on a manual count, a total of 3,195 titles. The Serial count as reported in General Library is for all units and includes Health Sciences.
<b>CALIFORNIA, SAN DIEGO</b>	
	Library branches included: Biomedical Library and Medical Center Library.
	Data for questions 28-43 are included in the Main Library reporting.
1.a	Volumes held June 30, 2008 revised to 240,708.
28-31	Counted in the Main Library statistics.
<b>CASE WESTERN RESERVE</b>	
	Responses to questions 37-43 are reported on the Main Library's statistics.
1.b.i	The Health Sciences Library has access to 13,091 e-books that are reported in the main library's statistics.
5.a.i	The Health Sciences Library has access to 59,448 e-journals that are reported in the main library's statistics.
<b>CHICAGO</b>	
	John Crerar Library is a central science library with a biomedical collection for health sciences. Many numbers are percentages as a result. Data for the ARL survey are matched as closely as possible to data compiled and reported for the Association of Academic Health Sciences Libraries' (AAHSL) Annual Statistics of Medical School Libraries in the United States and Canada.
5-5.a.ii	Figure reflects new, improved method for more accurate estimate of proportion of total number serial titles that are biomedical titles.
16.a-16.b	While there are fluctuations within the categories, overall spending was up only 9.92%. Serials print cancellations and added electronic purchases may account for some of the individual variation.
18-18.c	Includes fringe benefits.
22	One-time purchases may vary significantly from year to year depending on availability of discretionary funds for biomedical uses.
23	Figure reflects cost increases for existing resources and the addition of new subscription products.
27	Net reduction in staffing due to budget reductions.
27.a	New librarian position added.
27.b	Reduction in support staffing due to budget reductions.

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**CHICAGO, cont**

30-31 New librarian position added with emphasis in instruction and outreach.

**CINCINNATI**

1.b Decrease reflects the weeding of the Nursing Library collection plus weeding of some bound journals in the Health Sciences Library.

1.b.ii As in 1.b, this large number of withdrawals reflects the weeding of the Nursing Library collection plus weeding of some bound journals in the Health Sciences Library.

5 Serials not reported separately from total university count.

17 Decrease reflects fewer print journals purchased and more careful attention to not binding when archival rights are held to an electronic journal.

18, 25, 27 Decrease reflects the completion of the reorganization that separated what was formerly a combined HSL and IT organization. The HSL is now integrated into the central library system administratively and operationally as it originally was until 1972.

37 PhD degrees, faculty, and enrollment are not reported separately from total university counts.

**COLUMBIA**

5 Health Sciences serials data included in Butler Library statistics.

12 Wilcox Collection

26 Document Delivery / Interlibrary Loan figures included in Butler Library statistics.

**CONNECTICUT**

1.b.i Includes 1,301 e-books.

**CORNELL**

1.a Volumes held June 30, 2008 revised to 200,301. This year's increase reflects additional available volumes, and the fact that the 2007-2008 e-book count was significantly underreported. The e-book count may include a small amount of duplication between e-book packages yet to be determined.

1.b.i Includes some manually cataloged e-books.

2 The count may include a small amount of duplication between e-book packages yet to be determined.

5 Estimate only. 2.5% of the titles in this count were estimated to be print. 1,430 of the e-titles were estimated to be non-current. Some deduping done through estimates. Decrease in print title count due to cancellations to favor electronic format over print. Increase in e-title count reflects additional available titles (including the selective addition of records for open access titles), and a more precise counting methodology.

7 Starting with 2008-2009, counts for microforms will no longer be kept up to date; reporting will be at the 2007-2008 level.

12 Starting with 2008-2009, graphics counts will no longer be kept up to date; reporting will be at the 2007-2008 level. The change reflects rounding only.

14 Starting with 2008-2009, motion picture counts will no longer be kept up to date; reporting will be at the 2007-2008 level. Video and DVD counts are now collected online vs. manually.

16.d Figure reflects shipping costs only.

30 Includes some instruction sessions for individuals.

32 Extrapolated from 12 random sampling weeks. In large part, increase reflects a greater effort to record all transactions.

33 In large part, the decrease reflects a counting error made in 2007-2008.

37 Includes 13 double major MDs and PhDs. The total for PhDs only is 58.

**DARTMOUTH**

Library branches included: Dana Biomedical Library and Matthews-Fuller Health Sciences Library.

1.b.i- Withdrawals part of ongoing deaccessioning project.

1.b.ii

5, 16.a Figure indicates budget constraints.

5.b.iii Reduced number of gifts and exchanges received and/or kept.

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**DARTMOUTH, cont.**

- 9 Figure indicates move to electronic only.
- 14 Figure indicates deaccessioning project.
- 17 Figure reflects reduction in binding program.
- 20 Increase in Other Operating Expenditures is due to a significant increase in endowment distribution (50%) in 2008-2009 and increased reserve spending during the year.
- 23 Figure indicates move to electronic only.
- 25 Figure reflects a low point in replacement cycle.
- 26, 40-43 Figure reflects inaccuracies in 2007-2008 reporting.
- 27 Figure reflects staff reorganization.
- 30 Figure reflects increased emphasis in this area.
- 36 Figure correlates to expansion in electronic holdings.

**EMORY**

All figures are as of 08/31/2009.

Library branches included: Grady Branch Library and Hospital Branch Library.

Library branches NOT included: Midtown Branch Library.

- 5.b Figure not reported in 2007-2008.
- 16.c Figure reflects the purchase of a backfile.
- 16.d There was a cost increase for one product. We also added a new product.
- 20 A portion of "Other operating expenditures" goes as an expense to carryforward account.

**FLORIDA**

- 16.a Most of this money was spent as an end of year deposit account. This means that the titles purchased will be counted in the 2009-2010 fiscal year.

**FLORIDA STATE**

Library branches NOT included: Main Library (Strozier), Dirac Science Library, College of Engineering Library, Allen Music Library, College of Law Research Center, Goldstein College of Information Library, Ringling Museum of Art Library, Panama City, Panama Library, and Panama City, Florida Library.

- 1.b.i Increase due to addition of a 3,532 volumes of bound serials previously owned but not counted.
- 16.b Represents a payment by the College of Medicine to contribute to an invoice for access for biomedical and medical journals subscribed to by University Libraries.
- 30 2007-2008 presentation figure included only formal faculty development classes. 2008-2009 includes formal faculty development classes as well as library tours and orientations.
- 31 The number of participants for the 2007-2008 year included only formal faculty development classes. 2008-2009 number of participants includes formal faculty development classes as well as library tours and orientations.
- 32 Since the professional librarian staff was down by two for the period from July 2008 to June 2009, this figure is based on an average of totals from the previous two years. As six staff members provide reference services on a regular basis, this average was then multiplied by 4/6 to estimate the number of reference transactions.

**GEORGE WASHINGTON**

- 1 Total physical volumes significantly reduced due to change in space availability requiring large reduction in physical volumes held; content change was minimal due to electronic availability.
- 1.a Volumes held June 30, 2008 revised to 130,499.
- 1.b The number withdrawn exceeded the number added resulting in a negative percent changed.
- 1.b.ii Large number of physical volumes withdrawn due to space availability change. Overall content loss was minimal.
- 5.a A different calculation method showed possible previous error.

**GEORGE WASHINGTON, cont.**

- 13 Audio Digest audio tape collection weeded 2008-2009.
- 16.a Software was included in this figure in 2007-2008.
- 16.b Entire budget figure used for calculation this year.
- 16.c Backfiles expenditures are reported in Q22.
- 17 Binding was significantly reduced due to a loss of space.
- 18.c A large-scale project required the significant additional use of student assistants.
- 20 Fewer computer/networking purchases due to replacement cycle.
- 21 One of components significantly reduced resulting in overall sum change.
- 22 Backfiles were purchased this year.
- 26 ILL invoices paid were not included in the 2007-2008 figure in error. Also, costs of borrowing increased.
- 27.a The actual figure is not a full integer but is 13.5.
- 27.b The correct figure is 16.5, but the system will not accept a decimal.
- 30 Course librarians routinely present in was reduced in number of sessions by 25%.
- 32 Recording lapses due to staff turnover.
- 35 Decrease due to removal of many bound journals from collection.
- 36 Increase due to internal removal of bound journals and decreased accessibility of remaining journal titles during remodeling project.

**GEORGETOWN**

- 1.b Decrease is the result of far fewer volumes purchased plus Spring 2009 weeding project.
- 1.b.ii Spring 2009 weeding project undertaken.
- 5.b.iii We are unable to break down the 1,008 serials reported here. The figure was placed here so that the operating system used to produce this report would correctly aggregate these numbers into our main 2008-2009 ARL Statistics.
- 22 No e-resource backfile runs purchased in 2008-2009.

**HAWAII**

- 1.a The number of e-books being reported is 5,683.
- 26 This service is provided by the University of Hawaii at Manoa Library.

**HOWARD**

- 1.a Volumes held June 30, 2008 revised to 134,008.

**ILLINOIS, CHICAGO**

- Library branches included: Library of the Health Sciences - Chicago, Peoria, Rockford, and Urbana campuses.
- Library branches NOT included: Richard J. Daley Library, Science Library
- 1.a Volumes held June 30, 2008 revised to 741,475.
- 40 All student figures included in Daley statistics.

**INDIANA**

- 1.a Volumes held June 30, 2008 revised to 287,737 which includes the addition of a Springer e-book collection consisting of 13,000 volumes.
- 3 Includes 13,058 e-books.
- 29 Actually, 91.5 hours per week.

**IOWA**

- 1.a Volumes held June 30, 2008 revised to 350,558.

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**KANSAS**

- 1.b Decrease in volumes added due to systematic journal weeding and withdrawals.
- 5.b.ii Weeded our list of freely available titles to those with significant holdings and relevance, which decreased the number of freely accessible materials.
- 16.b Reallocated money from monographs to serials.
- 18.b We were able to add staffing, primarily through grant funding.
- 21 Increase in 2008-2009 over 2007-2008 figure primarily represents an infusion of grant funding.

**KENTUCKY**

- 3 Includes 169 e-books.
- 5 We are unable to breakout a separate electronic serial titles total for the health sciences. The Medical Center Library's electronic serial titles, both purchased and not purchased, are included in the total for the Main Library. The total reported here represents health sciences print serial titles only, both purchased and not purchased.
- 5.a Represents print serial titles only.
- 5.a.i The Medical Center Library's electronic serial titles (purchased) are included in the total for the Main Library. We are unable to breakout a separate total for the health sciences.
- 5.b The Medical Center Library's electronic serial titles (not purchased) are included in the total for the Main Library. We are unable to breakout a separate electronic serial titles total for the health sciences. The total reported here represents only the health sciences print serial titles (not purchased).
- 5.b.i The Medical Center Library's consortial serial titles (received but not purchased) are included in the total for the Main Library. We are unable to breakout a separate total for the health sciences.
- 5.b.ii The Medical Center Library's freely accessible serial titles (received but not purchased) are included in the total for the Main Library. We are unable to breakout a separate total for the health sciences.

**LOUISIANA STATE**

- 1.a Volumes held June 30, 2008 to 48,808.
- 1.b.i- Increase due to budget changes and/or changes in staffing patterns.
- 1.b.ii, 3
- 5.a.i- Decrease due to new method of counting.
- 5.b.ii
- 5.b.iii Increase due to the addition of 4 titles.
- 20 Decrease due to budget changes.
- 22, 35 Decrease due to budget changes and/or changes in staffing patterns.
- 27 Increase due to the addition of 1 FTE student assistant.
- 37 Three fewer students finished their programs.
- 42 This figure reflects changes in enrollment.

**MCGILL**

- All figures are as of 05/31/2009.
- 1.a Volumes held revised to 495,757. This figure represents an adjusted total, which included the Olser, Biology, and Life Science libraries.
- 1.b.ii Increase due to the many volumes that were withdrawn as we now have online access.
- 3 Increase due to the purchased of a large set of e-books for Health Sciences -- Canadian Health Research Collection from Canadian Electronic Library.
- 5.a.i This is an estimate based on our SFX KB for titles we get from various vendors in the Health Sciences.
- 16-26 Expenditures as reported in Canadian dollars: (16a) \$549,171; (16b) \$1,396,112; (16c) \$9,085; (16d) \$0; (16) \$1,954,368; (17)\$0; (18a)\$721,470; (18b) \$461,384; (18c) \$32,014; (18) \$1,214,868; (20) \$94,900; (21) \$3,264,136; (22) \$72,662; (23) \$1,183,765; (24a) \$0; (24b) \$0; (25) \$0; (26) \$0.
- 39 The figure for the number of full-time instructional faculty was taken from the from the McGill factbook.

**MCMMASTER**

All figures are as of 04/30/2009.

- 5.a.i, 5.b.ii These titles are included in the count for McMaster University Libraries. It is not possible to separate them out.
- 37 These numbers are included in the totals for the McMaster University Libraries.
- 16-26 Expenditures as reported in Canadian dollars: (16a) \$131,985; (16b) \$1,375,677; (16c) \$15,046; (16d) \$0; (16) \$1,522,708; (17)\$1,850; (18a) \$538,097; (18b) \$799,573; (18c) \$78,911; (18) \$1,416,581; (20) \$144,874; (21) \$3,086,013; (22) \$0; (23) \$0; (24a) \$0; (24b) \$0; (25) \$41,026; (26) \$31,958.

**MIAMI**

All figures are as of 05/31/2009.

- 9 Medical library computer files are reported in Q14.
- 14 Medical library computer files and all audiovisual materials are reported here.
- 18.a Excludes medical library director's salary.
- 27.a Includes library faculty only. Medical library reports all non-faculty professional staff in Q27b.
- 27b Includes both support and non-faculty professional staff.
- 37-43 Institutional-level data reported in ARL Statistics.

**MICHIGAN**

- 1, 1.b-1.b.i 86,437 of these are added e-books. These many new electronic titles led to a major increase here.
- 3 The large increase is due to newly acquired e-books.
- 5.a Includes electronic and print.
- 5.b This is the first year we are reporting the free serial titles separate from purchased.
- 5.b.ii Free electronic titles we cataloged.
- 5.b.iii Print titles we receive as gifts/exchange.
- 16 Enhanced records management led to more accurate accounting.
- 33 This line was reported incorrectly in 2007-2008. It should have been 27,096.
- 34 18% decrease presumed in current print acquisitions, both serial and monographic.
- 35-36 Decrease due to truncated counting period, which ended on April 7, 2009.

**MINNESOTA**

Library branches included: Veterinary Medical Library.

- 2 Breakdown not available.
- 3 Count of actual volumes purchased is not available. This figure counts orders placed for monographs and is consistent with previous years' reports.
- 5.a.i Unique title counts are reported at the institutional (University Libraries) level, not by branch.
- 12 Breakdown by type is not available.
- 24.a-24.b Included in Main Library expenditures.
- 37-43 Information for entire institution is reported with Main Library data. Breakdown not available.

**MONTREAL**

All figures are as of 05/31/2009.

Library branches NOT included: Bibliothèques UdeM, Droit (Law), École Polytechnique de Montréal, and HEC Montréal.

- 16-26 Expenditures as reported in Canadian dollars: (16a) \$339,096; (16b) \$2,203,578; (16c) \$0; (16d) \$0; (16) \$2,542,674; (17) \$11,481; (18a) \$721,440; (18b) \$1,087,015; (18c) \$0; (18) \$1,808,455; (20) \$50,818; (21) \$4,413,428; (22) \$55,678; (23) \$1,965,912; (24a) \$0; (24b) \$0; (25) \$0; (26) \$0.

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**MONTREAL, cont.**

28 In 2007-2008, 6 staffed library service points were compiled in Main branch. However, these belonged to Health branch.

**NEW MEXICO**

- 1.a Volumes held June 30, 2008 revised to 154,250. Corrected from 2008 survey submission.
- 5.b.ii Change from 2007-2008 figure was a result of removing titles that were freely accessible on the Internet.
- 18 Health Sciences Library has reorganized to provide IT support for the entire medical campus. They manage the entire staff (and salaries) associated with this support. The salaries for those staff and student employees not directly supporting the Library are no longer included in this report.
- 18.a-18.b Health Sciences Library has reorganized to provide IT support for the entire medical campus. They manage the entire staff (and salaries) associated with this support. The salaries for those staff not directly supporting the Library are no longer included in this report.
- 18.c Health Sciences Library has reorganized to provide IT support for the entire medical campus. They manage the entire staff (and salaries) associated with this support. The salaries for those students not directly supporting the Library are no longer included in this report.
- 20 Health Sciences Library has reorganized to provide IT support for the entire medical campus. They manage all aspects associated with this support. The other operational expenditures not directly supporting the Library are no longer included in this report.
- 25 Health Sciences Library has reorganized to provide IT support for the entire medical campus. They manage all aspects associated with this support. The computer hardware and software expenditures not directly supporting the Library are no longer included in this report.
- 27 Health Sciences Library has reorganized to provide IT support for the entire medical campus. They manage all aspects associated with this support. The FTE for staff and students not directly related to supporting the Library is no longer included in this report.

**NEW YORK**

All figures are as of 08/31/2009.

- 1.a Volumes held revised to 223,914.
- 7, 9, 13 Decrease due to clean up resulting from ILS migration.
- 16.a Increase due to the inclusion of e-book expenditures, which were not included in the 2007-2008 figure.
- 16.c In prior years Ovid was counted in the Serials expenditures statistic, but it has been recategorized as "other library materials," which resulted in the increase.
- 37-43 Note: Overall PhD degrees/faculty/enrollment statistics provided by the NYU Office of Institutional Research and Program Evaluation; Statistics are reported in the Division of Libraries Survey.

**NORTHWESTERN**

All figures are as of 08/31/2009.

- 1.a Volumes held June 30, 2008 revised to 289,427.

**OKLAHOMA**

- 5 Serial statistics are reported as deduped for all libraries following ARL best practices.

**OKLAHOMA STATE**

- 1.a Volumes held June 30, 2008 revised to 59,441.
- 12 Count now based on sets of slides and sets of radiographic films rather than the previously inaccurate count of individual items.
- 18-18.c Includes fringe benefits.
- 40 This represents the number of first professional students as Medical School students are not reported in any of the IPEDS categories stated in the ARL survey.

**PENNSYLVANIA STATE**

Library branches included: Milton S. Hershey Medical Center College of Medicine Harrell Library Hershey, PA.

- 1.b Decrease due to conversion to predominately electronic access; significantly reduced footprint for print materials.

**PENNSYLVANIA STATE, cont.**

- 9 This number does not include databases.
- 13 During 2008-2009, we discarded all of the audio cassette tapes that we owned because they were obsolete in both content and technical format.
- 16 2007-2008 library materials figure reported incorrectly. Numbers reported here reflect actual figures.
- 22 One time dollars allocated to purchase electronic backfiles replacing discarded print. Editor's note: Adjusted One-Time Electronic Resource Expenditures from 276,637 to 22,060 so that the Total Electronic Resource Purchases is not higher than Total Library Materials Expenditures.
- 35 Our electronic subscriptions were added to DOCLINE and OCLC which caused increased use of journals for lending.
- 36 Decrease was due to an error in reporting the 2007-2008 data. The corrected 2007-2008 figure is 1,115 verses the 2008-2009 figure of 1,341.

**QUEEN'S**

All figures are as of 04/30/2009.

Figures for questions 37, 38 and 40-43 are as of November 2008. Figure for Q39 is as of October 2008.

- 5, 7, 9-10, 22, 24.a-24.b, 25-26 Included in Main Library statistics.
- 16-26 Expenditures as reported in Canadian dollars: (16a) \$127,475; (16b) \$1,611,592; (16c) \$11,309; (16d) \$0; (16) \$1,750,376; (17)\$3,919; (18a) \$653,116; (18b) \$483,549; (18c) \$36,328; (18) \$1,172,993; (20) \$190,879; (21) \$3,118,167; (22) \$0; (23) \$1,539,368; (24a) \$0; (24b) \$0; (25) \$0; (26) \$0.

**ROCHESTER**

Library branches included: Basil G. Bibby Library (Eastman Dental Center).

- 1 Does not include e-books; Rush Rhees Library reports e-books for all University of Rochester libraries.
- 3 Does not include e-books. HSL e-books are paid as subscriptions and are counted as serials.
- 5 For this figure, we reported print only serials plus databases. Rush Rhees Library reported all serial titles. The figure for 2007-2008 included sum of print-only serials (139) and the e-journals included in the Health Sciences and Life Sciences Categories of SFX.
- 9 In previous years, databases were included here. This year, we moved databases to the serials category, as per ARL instructions.
- 16.a Figure reflects total number of print only monographs.
- 16.b Figure includes serials, databases, e-book subscriptions, and instructional software.
- 37-43 Included in Rush Rhees Library statistics.

**SASKATCHEWAN**

All figures are as of 04/30/2009.

Library branches NOT included: Murray, Education, Engineering, Law, Natural Sciences, and Veterinary Medicine Libraries.

- 16-26 Expenditures as reported in Canadian dollars: (16a) \$762,571; (16b) \$2,361,645; (16c) \$0; (16d) \$0; (16) \$3,124,216; (17) \$5,478; (18a) \$553,869; (18b) \$257,889; (18c) \$60,513; (18) \$872,271; (20) \$0; (21) \$4,001,965; (22) \$0; (23)\$0; (24a) \$0; (24b) \$0; (25) \$0; (26) \$0.

**SOUTHERN CALIFORNIA**

- 5.a.ii Decrease due to electronic formats replacing print versions of same titles.
- 16.d Figure includes electronic research databases and instructional software expenditures. Increase includes multi-year contract and expense for one database.
- 17 Substantial reduction in print journals resulted in decrease in binding costs.
- 39 Health Sciences campus identifies 1,480 full-time instructional faculty.

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**SUNY-STONY BROOK**

1.a Volumes held June 30, 2008 revised to 273,626.

**TEMPLE**

Library branches included: Health Sciences Center Library-South; Charles E. Krausz Library - Temple University School of Podiatric Medicine.

5 The freely accessible titles were included in the current electronic purchased totals for 2007-2008 totals. For 2008-2009, the freely accessible titles have been separated and are included in Q5b.ii.

20 Increase is due to purchases and installation of equipment (computers, video hardware) to outfit the New Ginsburg Health Sciences Library which opened June 2009.

**TENNESSEE**

Library branches included: Health Sciences Library-Memphis and Preston Medical Library-Knoxville.

1.a Volumes held June 30, 2008 revised to 220,723.

5 Before deduplication, figure for total medical titles purchased was 5,263, which included 5,004 electronic titles and 259 print titles. Figure for total medical titles not purchased was 5,192.

9, 13-14 Decrease due to a more accurate item count at Health Sciences Library-Memphis.

18.c Number of student assistants increased at Preston Medical Library from 3 in 2007-2008 to 5 in 2008-2009.

29 Health Sciences Library-Memphis is open 98 hours and Preston Medical Library is open 74.5 hours per week, but these occur within the 148 hours of operation for the University Libraries.

33 Health Sciences Library-Memphis reported this item for 2008-2009 but not 2007-2008.

**TEXAS TECH**

All figures are as of 08/31/2009.

Library branches included: Harrington Library TTUHSC-Amarillo, Montes-Gallo Library of the Health Sciences TTUHSC-El Paso, Library of the Health Sciences TTUHSC-Odessa, Preston Smith HSC Library Lubbock.

**VIRGINIA**

Library branches NOT included: Alderman (Main), Astronomy, Biology/Psychology, Chemistry, Clemons Undergraduate, Education, Fiske Kimball Fine Arts, Math, Music, Physics, Brown Science & Engineering, Small Special Collections, Law, and Darden Graduate Business.

1 Includes 2,492 e-books.

2 This figure is reported in the University Library survey for the entire University of Virginia library system.

3 Health Sciences purchased 1,639 e-books.

37-43 This figure is reported in the University Library survey for the entire University of Virginia library system.

**WASHINGTON**

1.a Volumes held June 30, 2008 revised to 339,036. 2007-2008 figures revised to show 36,490 volumes transferred from Health Sciences to Main.

1.b.ii 36,490 volumes transferred from Health Sciences to Main.

5, 24, 37-43 Included with Main statistics.

**WASHINGTON U.-ST. LOUIS**

1 Includes 3,963 e-books.

1.a Volumes held June 30, 2008 revised to 299,536.

18 Includes fringe benefits of \$600,957.

**WISCONSIN**

Library branches NOT included: Main (GLS) (General Library System): Archives, Art, Astronomy, Biology, Business, Chemistry, College, Geography, Geology & Geophysics, Math, Memorial, Education (Merit, formerly CIMC), Music, Physics, Primate, School of Library & Information Science (SLIS), Social Science, Social Work, Special Collections, Steenbock (Agriculture & Life Sciences), and Wendt (English). Non-GLS Libraries: Law, Map, Education (Merit), Primate, and Wisconsin Historical Society (American history). Also: American Indian Studies Program, Arboretum, Cooperative Children's Book Center, Center for Demography & Ecology, Chicano & Latino Studies, Journalism Reading Room, Max Kade German-American Institute, LGBT Campus Center, Limnology Reading Room, Learning Support Services, Morgridge Center Library, Plant Pathology Library, Space Library, Trout Lake Collection, University Communications Library, and the Wisconsin's Water Library.

5 Total serial title holdings, in all formats, cannot be provided for one specific campus library. The total number of serial titles held for University of Wisconsin (UW) Madison is 101,596. This number represents all reporting UW Madison campus libraries, including Health Sciences (Ebling) Library.

18-18.c Includes fringe benefits.

30-31 Reduction from 2007-2008 figure is based upon current review of campus reporting for small-group instruction and consultations.

37-43 Numbers reported for entire University of Wisconsin-Madison campus, regardless of discipline affiliation, school or college.

**YALE**

1.a Volumes held June 30, 2008 revised to 462,238.

## ARL MEMBER LIBRARIES AS OF JANUARY 1, 2010

The Association of Research Libraries (ARL) represents the interests of 124 libraries that serve major North American research institutions. The ARL Statistics and Measurement program is organized around identifying, collecting, analyzing, and distributing quantifiable information describing the characteristics of research libraries.

<b>Institution</b>	<b>Category</b>	<b>Full Name of Institution</b>	<b>Location</b>
Alabama	S	University of Alabama	Tuscaloosa, Alabama
Alberta	C	University of Alberta	Edmonton, Alberta
Arizona	S	University of Arizona	Tucson, Arizona
Arizona State	S	Arizona State University	Tempe, Arizona
Auburn	S	Auburn University	Auburn, Alabama
Boston	P	Boston University	Boston, Massachusetts
Boston College	P	Boston College	Boston, Massachusetts
Brigham Young	P	Brigham Young University	Provo, Utah
British Columbia	C	University of British Columbia	Vancouver, British Columbia
Brown	P	Brown University	Providence, Rhode Island
Berkeley, California	S	University of California, Berkeley	California, Berkeley
Calgary	C	University of Calgary	Calgary, Alberta
California, Davis	S	University of California, Davis	Davis, California
California, Irvine	S	University of California, Irvine	Irvine, California
California, Los Angeles	S	University of California, Los Angeles	Los Angeles, California
California, Riverside	S	University of California, Riverside	Riverside, California
California, San Diego	S	University of California, San Diego	La Jolla, California
California, Santa Barbara	S	University of California, Santa Barbara	Santa Barbara, California
Case Western Reserve	P	Case Western Reserve University	Cleveland, Ohio
Chicago	P	University of Chicago	Chicago, Illinois
Cincinnati	S	University of Cincinnati	Cincinnati, Ohio
Colorado	S	University of Colorado	Boulder, Colorado
Colorado State	S	Colorado State University	Fort Collins, Colorado
Columbia	P	Columbia University	New York, New York
Connecticut	S	University of Connecticut	Storrs, Connecticut
Cornell	P	Cornell University	Ithaca, New York
Dartmouth	P	Dartmouth College	Hanover, New Hampshire
Delaware	S	University of Delaware	Newark, Delaware
Duke	P	Duke University	Durham, North Carolina
Emory	P	Emory University	Atlanta, Georgia
Florida	S	University of Florida	Gainesville, Florida
Florida State	S	Florida State University	Tallahassee, Florida
George Washington	P	George Washington University	Washington, DC
Georgetown	P	Georgetown University	Washington, DC
Georgia	S	University of Georgia	Athens, Georgia
Georgia Tech	S	Georgia Institute of Technology	Atlanta, Georgia
Guelph	C	University of Guelph	Guelph, Ontario
Harvard	P	Harvard University	Cambridge, Massachusetts
Hawaii	S	University of Hawaii	Honolulu, Hawaii

<b>Institution</b>	<b>Category</b>	<b>Full Name of Institution</b>	<b>Location</b>
Houston	S	University of Houston	Houston, Texas
Howard	P	Howard University	Washington, DC
Illinois, Chicago	S	University of Illinois at Chicago	Chicago, Illinois
Illinois, Urbana	S	University of Illinois at Urbana	Urbana, Illinois
Indiana	S	Indiana University	Bloomington, Indiana
Iowa	S	University of Iowa	Iowa City, Iowa
Iowa State	S	Iowa State University	Ames, Iowa
Johns Hopkins	P	Johns Hopkins University	Baltimore, Maryland
Kansas	S	University of Kansas	Lawrence, Kansas
Kent State	S	Kent State University	Kent, Ohio
Kentucky	S	University of Kentucky	Lexington, Kentucky
Laval	C	Laval University	Quebec, Quebec
Louisiana State	S	Louisiana State University	Baton Rouge, Louisiana
Louisville	S	University of Louisville	Louisville, Kentucky
McGill	C	McGill University	Montreal, Quebec
McMaster	C	McMaster University	Hamilton, Ontario
Manitoba	C	University of Manitoba	Winnipeg, Manitoba
Maryland	S	University of Maryland	College Park, Maryland
Massachusetts	S	University of Massachusetts	Amherst, Massachusetts
MIT	P	Massachusetts Institute of Technology	Cambridge, Massachusetts
Miami	P	University of Miami	Coral Gables, Florida
Michigan	S	University of Michigan	Ann Arbor, Michigan
Michigan State	S	Michigan State University	East Lansing, Michigan
Minnesota	S	University of Minnesota	Minneapolis, Minnesota
Missouri	S	University of Missouri	Columbia, Missouri
Montreal	C	University of Montreal	Montreal, Quebec
Nebraska	S	University of Nebraska-Lincoln	Lincoln, Nebraska
New Mexico	S	University of New Mexico	Albuquerque, New Mexico
New York	P	New York University	New York, New York
North Carolina	S	University of North Carolina	Chapel Hill, North Carolina
North Carolina State	S	North Carolina State University	Raleigh, North Carolina
Northwestern	P	Northwestern University	Evanston, Illinois
Notre Dame	P	University of Notre Dame	Notre Dame, Indiana
Ohio	S	Ohio University	Athens, Ohio
Ohio State	S	Ohio State University	Columbus, Ohio
Oklahoma	S	University of Oklahoma	Norman, Oklahoma
Oklahoma State	S	Oklahoma State University	Stillwater, Oklahoma
Oregon	S	University of Oregon	Eugene, Oregon
Pennsylvania	P	University of Pennsylvania	Philadelphia, Pennsylvania
Pennsylvania State	S	Pennsylvania State University	University Park, Pennsylvania
Pittsburgh	S	University of Pittsburgh	Pittsburgh, Pennsylvania
Princeton	P	Princeton University	Princeton, New Jersey
Purdue	S	Purdue University	West Lafayette, Indiana
Queen's	C	Queen's University	Kingston, Ontario

<b>Institution</b>	<b>Category</b>	<b>Full Name of Institution</b>	<b>Location</b>
Rice	P	Rice University	Houston, Texas
Rochester	P	University of Rochester	Rochester, New York
Rutgers	S	Rutgers University	New Brunswick, New Jersey
Saskatchewan	C	University of Saskatchewan	Saskatoon, Saskatchewan
South Carolina	S	University of South Carolina	Columbia, South Carolina
Southern California	P	University of Southern California	Los Angeles, California
Southern Illinois	S	Southern Illinois University	Carbondale, Illinois
SUNY-Albany	S	University at Albany, State University of New York	Albany, New York
SUNY-Buffalo	S	University at Buffalo, State University of New York	Buffalo, New York
SUNY-Stony Brook	S	State University of New York at Stony Brook	Stony Brook, New York
Syracuse	P	Syracuse University	Syracuse, New York
Temple	S	Temple University	Philadelphia, Pennsylvania
Tennessee	S	University of Tennessee	Knoxville, Tennessee
Texas	S	University of Texas	Austin, Texas
Texas A&M	S	Texas A&M University	College Station, Texas
Texas Tech	S	Texas Tech University	Lubbock, Texas
Toronto	C	University of Toronto	Toronto, Ontario
Tulane	P	Tulane University	New Orleans, Louisiana
Utah	S	University of Utah	Salt Lake City, Utah
Vanderbilt	P	Vanderbilt University	Nashville, Tennessee
Virginia	S	University of Virginia	Charlottesville, Virginia
Virginia Tech	S	Virginia Polytechnic Institute & State University	Blacksburg, Virginia
Washington	S	University of Washington	Seattle, Washington
Washington State	S	Washington State University	Pullman, Washington
Washington U.-St. Louis	P	Washington University	St. Louis, Missouri
Waterloo	C	University of Waterloo	Waterloo, Ontario
Wayne State	S	Wayne State University	Detroit, Michigan
Western Ontario	C	University of Western Ontario	London, Ontario
Wisconsin	S	University of Wisconsin	Madison, Wisconsin
Yale	P	Yale University	New Haven, Connecticut
York	C	York University	North York, Ontario
Boston Public Library	N	Boston Public Library	Boston, Massachusetts
Canada Inst. SciTech Info.	X	Canada Inst. for Scientific & Technical Information	Ottawa, Ontario
Center for Research Libraries	N	Center for Research Libraries	Chicago, Illinois
Library of Congress	N	Library of Congress	Washington, DC
National Agricultural Library	N	National Agricultural Library	Beltsville, Maryland
Library and Archives Canada	X	Library and Archives Canada	Ottawa, Ontario
Naionat. Library of Medicine	N	National Library of Medicine	Bethesda, Maryland
New York Public Library	N	New York Public Library	New York, New York
New York State Library	N	New York State Library	Albany, New York
Smithsonian Institution	N	Smithsonian Institution	Washington, DC

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

