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ABSTRACT

This report presents data compiled from the 118 United States and Canadian research libraries that were members of the Association of Research Libraries (ARL) during the 1985-86 fiscal year. ARL membership consists of 106 university libraries and 12 public or private, independent research libraries. Following a brief introductory summary of ARL 1985-86 expenditures and a discussion of changes in the presentation and collection of data since the previous year, data tables describe research library collections, interlibrary loans, expenditures, and staffing in fiscal 1986. Additional report sections include: an analysis of selected variables; Ph.D., faculty, and enrollment statistics; a summary of rank order tables for ARL university libraries; and rank order tables for volumes in library, volumes added (gross), current serials (total), microform holdings (total), materials expenditures, salaries and wages expenditures, other operating expenditures, total expenditures, monographs purchased (volumes), expenditures for monographs, serials purchased (titles), expenditures for serials, total items loaned, total items borrowed, professional staff, nonprofessional staff, and total staff. A copy of the ARL statistics questionnaire and footnotes are included. (KM)

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ARL STATISTICS, 1985-86

ARL STATISTICS

1985-86

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

Compiled by
Nicola Daval
and
Alexander Lichtenstein

ASSOCIATION OF RESEARCH LIBRARIES
WASHINGTON, D.C.
1987

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INTRODUCTION

The 1985-86 *ARL Statistics* presents data from the 118 U.S. and Canadian research libraries that were members of the Association of Research Libraries during the 1985-86 fiscal year. The ARL membership consists of 106 university libraries and 12 public or private, independent research libraries.

Expenditures for ARL university libraries topped the \$1 billion mark this year, an 8.4% increase over 1984-85 expenditures, while expenditures for the membership as a whole were over \$1.4 billion, a 6.58% increase over last year. For university libraries, approximately 32% of expenditures were for library materials (with current serials taking up about half of that amount), 1% for binding, 53% for salaries and wages, and 13% for other operating expenditures, a catch-all category for nonmaterials and nonsalary expenditures (e.g., automation expenditures). Median figures for ARL university library members showed that expenditures for library materials rose by 7.8% this year, with expenditures for serials increasing by 7.44% over 1984-85; salary and wage figures rose by 5.95%, while the number of total staff increased about 1.94%; other operating expenditures in university libraries rose 17.45%; and finally, total operating figures for this group were 11.65% higher than last year.

A number of substantive changes have been made to the *ARL Statistics* this year.

- Two new elements were added: Number of Monographic Volumes Purchased and, for university libraries, Number of Full-time Instructional Faculty at the parent institution. (Both of these questions had been tested during the previous two years in supplementary statistics surveys.)
- Expenditures were disaggregated in an attempt to collect more comparable data. Libraries were asked to report figures for materials expenditures in four individual categories: monographs, current serials, other (e.g. audiovisual materials, microforms, etc.), and miscellaneous (non-materials expenditures made from the materials budget, e.g. bibliographic utilities). Salary and wage figures were to be disaggregated into professional, nonprofessional, and student assistants.
- Current Serials were disaggregated into Current Serials Purchased and Current Serials Not Purchased.
- Interlibrary Loan figures have been aggregated; only totals for items borrowed and items loaned were reported, instead of originals and photocopies in each category, as in previous years.

As is the case when any changes are introduced, a number of libraries were not able to supply the data for the new elements or for the disaggregated categories. It is anticipated that in future years additional libraries will supply these data.

In addition to adding new and more precise data elements, the Committee on ARL Statistics has been working to clarify definitions and instructions which have been subject to misinterpretation,¹ and encouraging member libraries to bring their reporting into full compliance with the ARL definitions. Also, new procedures have been adopted to check the data submitted by member libraries for accuracy and consistency and to explain anomalies.

Because of the new data elements and the adjustments a number of libraries have made in their reporting procedures to be more consistent with the ARL definitions, caution should be used in comparing this year's data to previous year's, especially data on collections. For example, a number of libraries discovered that their treatment of government documents was not consistent with ARL's definitions and have adjusted their figures for volumes held, current serials, and microform holdings accordingly. In some cases, this has resulted in changes of relative position in the rank order tables.

Those using the *ARL Statistics* to compare individual institutions will need to consult the symbols indicated on the "ARL Library Data Tables" and the "Footnotes." Although the definitions and procedures used in the *Statistics* questionnaire are aimed at achieving consistency, as noted above, variant reporting practices do exist among ARL libraries. To aid comparability, expenditures of Canadian libraries are expressed in U.S. dollars in the *ARL Statistics*; the exchange rate used for 1985-86 is 1.3817 Canadian dollars to one U.S. dollar.²

The rank order tables presented in this publication are not intended to imply qualitative evaluations of the institutions described. In comparing any individual library to ARL medians or to other ARL members, one must always make evaluations within the context of local goals and characteristics.

Nicola Daval
ARL Information Officer
April 1987

Notes

1. The survey form and instructions, including definitions, for the 1985-86 *ARL Statistics* are reprinted on pages 55-62.
2. The rate used is the average monthly noon exchange rate published in the *Bank of Canada Review* for the period July 1985-June 1986. Expenditures as reported in Canadian dollars are given in the "Footnotes" to the *ARL Statistics*.

ARL LIBRARY DATA TABLES

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION	Libr No.	Volumes	Volumes	Volumes	Mono- graphs Purchased	Current	Current	Current	Total Microform Units In Library	
		In Library	Added (Gross)	Added (Net)		Serials Purchased	Serials Not Purchased	Serials Total		
		1	2	3	4	5	6	7	8	
ALABAMA	GLM+	1	1,654,865	43,712	42,490	24,724	15,482	278	15,760	1,193,565
ALBERTA	BLM+	2	2,555,756	92,345	79,224	58,968	20,199	2,409	22,608	2,167,473
ARIZONA	LM+	3	3,139,481	102,612	90,309	69,691	31,550	342	31,892	3,149,171
ARIZONA STATE	BL	4	2,106,370	116,615	107,608	59,113	U/A	U/A	34,648	2,205,508
BOSTON	GLM+	5	1,648,586	55,764	45,550	24,893	17,675	11,454	29,129	2,329,404
BRIGHAM YOUNG	+	6	1,802,197	65,266	63,196	39,964	10,223	6,999	17,222	1,382,794
BRITISH COLUMBIA	GLM+	7	2,555,667	97,837	90,083	62,727	19,462	4,059	23,521	822,692
BROWN	b+	8	2,015,469	50,686	49,309	45,961	13,234	2,325	15,559	971,022
CALIF., BERKELEY		9	6,845,732	254,231	234,860	U/A	U/A	U/A	97,971	3,385,553
CALIF., DAVIS	BLM+	10	2,062,128	92,477	88,691	55,644	42,038	8,526	50,564	2,361,360
CALIF., IRVINE	MG	11	1,239,130	61,017	50,311	39,011	14,958	946	15,904	1,166,457
CALIF., LOS ANGELES	M+	12	5,485,955	296,309	132,017	U/A	U/A	U/A	88,545	3,835,492
CALIF., RIVERSIDE	+	13	1,250,372	47,239	45,953	46,183	9,970	3,698	13,668	1,075,296
CALIF., SAN DIEGO	GM+	14	1,760,614	85,407	62,413	62,478	U/A	U/A	19,475	1,044,147
CALIF., SANTA BARBARA	b+	15	1,745,803	49,381	47,213	U/A	U/A	U/A	21,247	1,748,593
CASE WESTERN RESERVE	GLM+	16	1,493,579	10,359	24,389	11,060	12,686	708	13,394	609,311
CHICAGO	LM+	17	4,756,076	101,139	95,393	U/A	U/A	U/A	47,685	1,474,116
CINCINNATI	GLM+	18	1,527,605	61,434	57,674	U/A	U/A	U/A	19,652	2,094,891
COLORADO	GL+	19	2,096,954	50,783	45,001	23,029	13,292	511	13,803	960,582
COLORADO STATE	G+	20	1,071,104	31,814	30,285	14,705	8,445	3,316	11,761	142,954

B - Includes Branch Campuses
G - Government Documents Not
Included in Serials Count

L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable

+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

ARL LIBRARY DATA TABLE

Libr No	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
	9	10	11	12	13	14	15	16	17	18
1	6,555	3,943	51	68	51	170	814,847	1,344,912	5,965	45,827
2	12,617	10,899	85	280	37	402	718,931	1,865,921	U/A	U/A
3	36,177	7,050	96	179	90	365	1,559,644	2,424,261	147,567	271,310
4	22,764	7,714	74	188	64	326	1,957,643	2,267,702	93,379	29,185
5	18,987	34,111	64	146	89	299	830,226	1,569,746	62,944	73,770
6	8,223	9,544	88	44	166	298	1,763,374	984,062	182,339	0
7	16,694	9,014	103	275	47	425	1,464,378	1,705,859	U/A	U/A
8	8,623	4,924	73	104	52	229	1,117,216	1,011,939	U/A	U/A
9	39,620	16,554	123	292	285	750	2,609,273	2,878,556	U/A	U/A
10	30,751	7,047	72	187	57	316	1,443,797	2,455,241	251,521	0
11	11,410	7,878	45	97	68	211	1,262,772	1,521,500	294,357	U/A
12	55,299	9,881	206	307	182	695	3,846,191	3,003,979	U/A	U/A
13	6,634	8,286	32	83	31	146	1,252,247	870,577	40,562	5,190
14	14,622	6,572	66	162	72	300	1,695,550	1,275,474	567,588	37,913
15	6,210	9,555	57	139	43	239	U/A	1,332,640	U/A	U/A
16	38,589	7,193	66	83	31	180	411,995	1,239,597	55,990	50,247
17	45,254	5,787	77	199	81	357	U/A	1,779,105	U/A	U/A
18	25,386	8,819	79	125	79	283	1,184,463	1,524,677	U/A	U/A
19	14,537	8,455	47	100	56	203	623,359	1,426,176	127,873	83,699
20	10,196	9,743	43	75	23	141	503,038	659,669	28,893	197,106

N/A - Not Applicable

U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
19	20	21	22	23	24	25	26	
2,211,547	107,244	1,064,805	782,230	353,609	2,200,644	569,862	5,089,297	ALABAMA
2,584,852	90,236	2,216,815	4,307,098	420,496	6,944,409	1,195,215	10,814,712	ALBERTA
4,402,842	322,204	2,194,871	2,435,035	592,569	5,222,475	1,281,296	11,228,817	ARIZONA
4,347,917	235,043	1,846,905	2,461,065	374,384	4,682,354	1,343,519	10,608,233	ARIZONA STATE
2,535,686	124,915	1,661,630	1,886,988	400,964	3,889,582	1,809,909	8,361,097	BOSTON
2,929,775	98,553	1,924,088	757,237	1,179,349	3,860,674	887,463	7,776,465	BRIGHAM YOUNG
3,170,237	146,597	2,724,023	3,701,322	632,452	7,057,797	701,969	11,076,600	BRITISH COLUMBIA
2,129,155	133,758	1,820,807	1,384,163	255,790	3,460,760	1,773,711	7,497,384	BROWN
5,487,829	649,809	U/A	U/A	U/A	16,259,145	2,818,066	25,114,849	CALIF., BERKELEY
4,150,559	381,266	2,229,645	3,448,669	764,024	6,442,338	1,203,079	12,177,242	CALIF., DAVIS
3,078,629	212,548	1,566,829	1,982,613	956,301	4,505,743	1,292,109	9,089,029	CALIF., IRVINE
5,850,170	845,584	6,253,425	6,743,378	2,048,136	15,044,939	4,788,344	27,529,037	CALIF., LOS ANGELES
2,168,576	163,750	1,054,425	1,639,735	477,010	3,171,170	799,694	6,303,190	CALIF., RIVERSIDE
3,575,525	295,457	2,066,664	2,974,103	717,184	5,757,951	1,706,188	11,136,121	CALIF., SAN DIEGO
3,078,333	236,228	2,037,072	2,606,338	724,426	5,367,836	1,080,897	9,763,294	CALIF., SANTA BARBARA
1,757,829	71,277	1,676,782	986,639	193,477	2,856,898	1,579,450	6,265,454	CASE WESTERN RESERVE
3,443,966	248,708	1,852,478	3,529,808	931,530	6,313,816	2,598,539	12,605,029	CHICAGO
2,709,140	136,659	U/A	U/A	511,174	4,633,198	1,292,803	8,771,800	CINCINNATI
2,261,107	126,175	1,276,112	1,871,815	510,909	3,658,836	529,231	6,575,349	COLORADO
1,388,706	80,000	1,059,629	1,255,252	122,737	2,437,618	308,669	4,214,993	COLORADO STATE

N/A - Not Applicable

U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes	Volumes	Volumes	Mono- graphs Purchased	Current	Current	Current	Total Microfor Units In Library
			In Library	Added (Gross)	Added (Net)		Serials Purchased	Serials Not Purchased	Serials Total	
			1	2	3	4	5	6	7	8
COLUMBIA	LM+	21	5,551,739	121,669	90,754	46,000	30,665	32,765	63,430	3,388,230
CONNECTICUT	GLM+	22	2,013,043	68,312	52,436	U/A	U/A	U/A	19,872	2,209,378
CORNELL	BL+	23	4,870,570	129,755	115,190	129,755	58,504	U/A	58,504	3,989,843
DARTMOUTH	GM+	24	1,614,015	37,141	34,893	U/A	16,427	3,728	20,155	1,801,291
DELAWARE	G+	25	1,723,465	54,569	54,569	U/A	U/A	U/A	20,590	1,387,988
DUKE	GLM+	26	3,510,645	92,093	85,710	54,025	U/A	U/A	35,969	1,332,419
EMORY	M-G+	27	1,951,101	66,931	60,575	U/A	U/A	U/A	17,969	1,499,654
FLORIDA	GLM+	28	2,539,417	78,902	64,875	49,025	25,727	3,785	29,512	2,358,980
FLORIDA STATE	GBL+	29	1,624,138	47,477	45,541	U/A	U/A	U/A	17,233	2,458,815
GEORGETOWN	M-G+	30	1,553,057	65,104	61,708	47,990	U/A	U/A	20,485	1,497,147
GEORGIA	BL+	31	2,510,730	95,057	95,057	U/A	41,991	11,562	53,553	3,375,262
GEORGIA TECH	+	32	1,468,638	49,685	41,115	8,257	18,786	9,771	28,557	2,635,215
GUELPH	bG+	33	1,634,610	69,924	69,924	23,553	U/A	U/A	10,047	975,772
HARVARD	M+	34	11,136,662	217,757	187,286	U/A	U/A	U/A	102,000	4,154,154
HAWAII	G+	35	2,089,176	77,913	76,030	28,641	26,960	6,929	33,889	2,333,732
HOUSTON	GL+	36	1,485,706	52,513	50,961	34,851	21,698	883	22,581	2,800,380
HOWARD	LM+	37	1,541,337	70,499	67,019	35,030	24,118	848	24,966	2,266,115
ILLINOIS	GL+	38	7,000,170	198,837	192,122	72,133	U/A	U/A	92,913	2,894,312
INDIANA	L+	39	3,786,962	118,254	114,767	U/A	U/A	U/A	32,586	1,256,323
IOWA	LM+	40	2,754,851	99,184	93,123	U/A	34,628	2,669	37,297	2,724,049

B - Includes Branch Campuses
G - Government Documents Not
Included in Serials Count

L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable

+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

ARL LIBRARY DATA TABLE

Libr No	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
	9	10	11	12	13	14	15	16	17	18
21	28,006	7,296	151	302	144	597	2,730,950	1,995,547	53,447	0
22	24,283	10,333	63	100	62	225	U/A	1,360,071	U/A	U/A
23	28,176	10,063	166	323	58	552	4,981,874	U/A	U/A	U/A
24	11,125	6,543	41	105	36	182	773,057	1,126,957	242,186	U/A
25	8,844	2,926	50	96	31	177	1,689,022	1,240,787	U/A	0
26	27,594	4,274	96	173	48	317	1,498,608	1,924,122	81,422	90,978
27	24,237	5,539	60	124	46	230	1,078,111	1,378,980	280,912	55,979
28	28,044	6,184	96	148	142	386	1,325,423	1,642,796	246,112	459,959
29	22,342	5,471	56	97	77	230	1,174,010	1,389,858	63,200	47,467
30	5,848	3,840	73	112	88	273	1,183,061	1,206,460	415,893	39,564
31	28,401	4,936	79	173	102	354	1,046,716	2,660,530	367,813	0
32	16,277	2,196	49	50	12	111	295,658	797,926	210,499	0
33	2,772	4,400	33	109	15	157	506,174	820,215	364,460	U/A
34	39,007	9,287	318	575	151	1,044	3,915,495	3,444,002	569,255	45,174
35	9,621	2,132	62	98	63	223	1,120,645	1,327,462	101,760	U/A
36	9,774	7,950	47	104	71	222	699,681	1,344,221	45,610	134,232
37	2,859	914	86	145	34	265	1,219,077	2,165,168	8,541	12,222
38	122,803	144,760	127	288	141	556	2,381,217	2,437,957	U/A	170,995
39	29,589	9,364	109	218	182	509	2,149,576	1,651,253	99,605	15,000
40	44,763	7,926	81	99	79	259	1,453,740	2,118,314	70,342	278,209

N/A - Not Applicable

U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
19	20	21	22	23	24	25	26	
4,779,944	461,803	4,637,460	4,584,836	1,126,460	10,348,756	2,440,687	18,031,190	COLUMBIA
2,660,868	153,911	U/A	U/A	414,796	4,358,795	701,378	7,874,952	CONNECTICUT
4,981,874	248,842	4,216,057	3,619,659	605,729	8,441,445	2,792,257	16,464,418	CORNELL
2,142,200	61,643	1,074,996	1,424,452	116,928	2,616,376	873,043	5,693,262	DARTMOUTH
2,929,809	138,940	1,232,587	1,300,866	204,761	2,738,214	824,662	6,631,625	DELAWARE
3,595,130	175,260	2,728,601	2,360,802	260,115	5,349,518	1,954,043	11,073,951	DUKE
2,793,982	145,781	1,625,109	1,664,555	441,730	3,731,394	1,668,915	8,340,072	EMORY
3,674,290	184,245	2,185,467	2,133,712	659,500	4,978,679	1,038,276	9,875,490	FLORIDA
2,674,535	127,098	1,300,516	1,142,751	380,761	2,824,028	326,190	5,951,851	FLORIDA STATE
2,844,978	158,553	U/A	U/A	U/A	4,510,208	1,647,402	9,161,123	GEORGETOWN
4,075,059	238,179	1,646,677	1,990,275	411,125	4,088,077	1,196,454	9,597,769	GEORGIA
1,304,083	66,437	1,214,172	912,757	113,074	2,240,003	697,864	4,308,387	GEORGIA TECH
1,690,150	47,905	1,025,505	1,393,108	101,337	2,519,950	57,885	4,316,590	GUELPH
7,973,926	673,720	8,481,442	8,041,047	1,110,998	17,633,487	4,707,296	30,988,429	HARVARD
2,549,867	202,010	1,949,084	1,670,341	509,729	4,129,154	1,539,606	8,420,637	HAWAII
2,423,744	64,870	1,331,175	1,570,160	539,432	3,440,767	827,969	6,757,350	HOUSTON
3,405,008	153,377	2,786,651	2,520,179	160,136	5,466,966	1,630,734	10,656,085	HOWARD
4,990,169	233,666	3,524,645	3,234,287	1,076,319	7,835,251	2,369,275	15,428,361	ILLINOIS
3,915,434	229,348	2,979,426	2,671,935	982,634	6,633,995	1,127,687	11,906,464	INDIANA
3,920,605	232,313	2,285,886	1,391,003	477,315	4,154,204	361,669	8,668,791	IOWA

N/A - Not Applicable

U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION	Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current	Current	Current	Total Microform Units In Library	
						Serials Purchased	Serials Not Purchased	Serials Total		
		1	2	3	4	5	6	7	8	
IOWA STATE	G+	41	1,663,235	53,139	53,433	29,450	13,599	6,084	19,683	1,860,590
JOHNS HOPKINS	H+	42	2,621,732	70,111	57,044	34,825	15,630	4,394	20,024	1,477,129
KANSAS	GLM+	43	2,571,998	87,045	86,250	52,625	21,642	8,024	29,666	1,750,900
KENT STATE	G+	44	1,609,598	39,661	38,766	23,637	6,875	500	7,375	733,845
KENTUCKY	GLM+	45	1,992,499	44,363	29,766	24,683	U/A	U/A	15,072	1,652,315
LAVAL	+	46	1,541,660	55,538	50,917	19,605	10,295	3,427	13,722	632,926
LOUISIANA STATE	GLM+	47	2,210,758	65,291	62,918	29,811	17,970	4,870	22,840	1,117,553
MCGILL	bGLM+	48	2,347,242	60,543	53,436	40,465	14,555	3,458	18,013	804,556
MCHASTER	GM+	49	1,218,070	47,509	42,882	34,991	9,545	695	10,240	351,717
MANITOBA	GLM+	50	1,403,940	45,227	36,854	23,663	11,463	970	12,433	857,370
MARYLAND	G+	51	1,780,055	87,563	82,565	46,545	17,341	3,317	20,658	2,536,861
MASSACHUSETTS	+	52	2,129,588	67,077	61,583	34,339	12,190	1,948	14,138	1,385,671
MIT	+	53	2,029,455	81,855	35,454	21,272	9,730	11,417	21,147	1,494,571
MIAMI	LM+	54	1,552,907	52,707	44,460	25,200	U/A	U/A	21,565	847,220
MICHIGAN	LM+	55	5,920,576	145,349	115,080	U/A	33,418	32,688	66,106	3,090,623
MICHIGAN STATE	+	56	3,129,802	81,521	66,935	56,734	15,919	8,940	24,859	2,192,757
MINNESOTA	BLM+	57	4,286,431	116,479	101,356	U/A	28,610	15,949	44,559	2,642,377
MISSOURI	GLM+	58	2,318,012	68,908	63,262	58,631	13,659	3,221	16,880	3,776,024
NEBRASKA	L+	59	1,833,558	62,772	60,461	26,934	U/A	U/A	23,755	2,002,377
NEW MEXICO	GLM+	60	1,560,054	53,197	45,620	32,031	U/A	U/A	17,105	2,345,675

B - Includes Branch Campuses
 G - Government Documents Not Included in Serials Count

L - Includes Law Library
 M - Includes Medical Library
 N/A - Not Applicable

+ - See Footnotes
 b - Bibliographic Count
 U/A - Unavailable

ARL LIBRARY DATA TABLE

Libr No	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
	9	10	11	12	13	14	15	16	17	18
41	19,132	5,724	48	112	51	211	800,445	1,435,994	57,863	23,000
42	13,700	14,958	88	107	1	356	989,368	1,517,724	45,328	130,380
43	44,500	17,707	63	129	82	294	1,577,587	1,700,402	5,333	990
44	11,894	6,543	36	94	52	184	516,815	618,556	130,107	9,230
45	18,610	9,566	64	127	70	261	844,878	1,475,825	U/A	252,594
46	11,271	10,792	73	190	6	269	621,632	1,046,098	354,288	128,352
47	10,695	4,802	67	117	88	272	1,244,466	1,897,212	31,809	211,795
48	35,455	9,552	78	209	36	323	849,360	1,239,952	539,493	45,839
49	8,416	6,822	39	139	15	193	1,217,630	1,235,859	674	3,004
50	11,179	6,490	57	153	25	235	839,244	1,108,788	U/A	978
51	11,053	3,006	82	150	86	318	1,284,250	1,624,717	356,396	30,487
52	12,350	7,594	56	112	45	213	796,007	1,103,882	257,274	0
53	16,092	3,319	87	156	37	283	672,312	1,363,005	44,917	183,294
54	15,214	10,853	65	121	57	243	951,333	1,263,216	71,636	6,792
55	28,295	13,302	145	306	125	576	U/A	2,595,949	U/A	U/A
56	7,351	4,950	77	131	117	325	1,539,043	1,465,066	U/A	0
57	173,493	12,322	101	186	130	417	1,985,091	2,370,013	74,592	56,157
58	26,549	7,575	58	126	62	246	2,785,396	1,361,376	62,280	90,384
59	10,390	4,932	54	110	43	207	860,783	1,586,297	U/A	106,978
60	13,739	7,855	67	146	49	262	704,245	1,370,204	452,786	178,042

N/A - Not Applicable

U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages & Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
19	20	21	22	23	24	25	26	
2,407,902	159,994	1,323,560	1,433,857	368,330	3,125,747	380,659	6,074,302	IOWA STATE
2,700,756	109,580	2,128,315	2,459,686	323,992	4,911,993	2,502,230	10,224,559	JOHNS HOPKINS
3,284,242	172,025	1,961,866	1,861,385	560,837	4,384,089	1,443,111	9,283,467	KANSAS
1,274,739	75,203	1,202,404	1,651,413	364,563	3,218,380	1,055,122	5,623,444	KENT STATE
2,573,297	92,433	1,579,244	1,556,523	497,981	3,633,748	1,096,141	7,395,619	KENTUCKY
2,150,370	62,152	2,162,668	2,940,051	59,789	5,162,508	616,481	7,991,511	LAVAL
3,385,282	191,534	1,810,103	1,204,155	547,777	3,562,035	869,992	8,008,843	LOUISIANA STATE
2,674,644	134,327	2,165,674	3,259,061	332,420	5,757,155	712,963	9,279,089	MCGILL
2,457,167	68,662	1,016,826	1,944,336	210,115	3,171,277	372,681	6,069,787	MCMASTER
1,947,032	112,816	1,564,469	2,030,712	296,415	3,891,596	534,962	6,486,406	MANITOBA
3,297,790	223,737	2,144,526	2,306,540	644,777	5,095,843	1,315,333	9,932,703	MARYLAND
2,157,163	90,289	1,912,350	1,788,314	197,856	3,898,520	636,457	6,782,429	MASSACHUSETTS
2,263,528	145,157	2,150,860	2,290,748	386,710	4,828,318	1,482,171	8,719,174	MIT
2,292,977	128,951	1,629,417	1,431,496	372,378	3,433,291	1,020,196	6,875,415	MIAMI
5,459,928	244,250	4,286,982	4,477,311	999,160	9,763,453	2,058,783	17,526,414	MICHIGAN
3,004,109	179,610	2,145,597	1,928,682	1,050,966	5,125,245	1,414,506	9,723,470	MICHIGAN STATE
4,486,453	355,967	3,114,686	3,547,942	1,678,410	8,341,038	1,773,243	14,956,701	MINNESOTA
4,299,835	160,564	1,332,968	1,654,824	457,420	3,445,212	696,577	8,602,188	MISSOURI
2,553,056	141,370	1,264,316	1,240,791	298,817	2,803,924	442,925	5,941,275	NEBRASKA
2,705,297	138,081	2,400,609	1,339,951	462,232	4,202,792	704,074	7,750,244	NEW MEXICO

N/A - Not Applicable

U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes	Volumes	Volumes	Mono- graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			In Library	Added (Gross)	Added (Net)					
			1	2	3	4	5	6	7	8
NEW YORK	LM+	61	2,932,055	74,656	52,717	40,937	26,507	3,282	29,789	2,097,678
NORTH CAROLINA	LM+	62	3,301,751	120,512	117,234	85,102	23,869	20,644	44,513	2,474,007
NORTH CAROLINA STATE	GM+	63	1,153,720	47,280	42,989	27,986	12,567	2,872	15,439	2,622,754
NORTHWESTERN	LM+	54	3,206,698	97,577	82,931	48,233	U/A	U/A	25,317	1,669,565
NOTRE DAME	GL+	65	1,745,405	62,951	59,914	29,149	16,162	U/A	16,162	982,024
OHIO STATE	BLM+	66	4,077,575	110,862	94,180	63,516	22,708	8,604	31,312	2,552,137
OKLAHOMA	M G	67	2,492,364	60,838	56,954	32,425	16,736	634	17,370	3,116,897
OKLAHOMA STATE	G+	68	1,420,618	30,313	22,397	15,505	9,238	1,112	10,350	655,971
OREGON	GL+	69	1,706,612	46,737	32,514	48,120	14,949	3,319	18,268	1,486,211
PENNSYLVANIA	M	70	3,373,301	106,152	94,796	U/A	U/A	U/A	30,511	1,972,178
PENNSYLVANIA STATE	B+	71	2,808,553	91,180	73,022	U/A	U/A	U/A	29,161	2,687,484
PITTSBURGH	LM+	72	2,661,196	85,417	77,599	U/A	U/A	U/A	26,328	2,021,116
PRINCETON	+	73	3,856,638	107,393	104,671	60,238	U/A	U/A	36,290	1,991,432
PURDUE	G	74	1,695,718	50,815	40,269	13,951	17,660	564	18,224	1,530,998
QUEEN'S	GLM+	75	1,632,468	35,891	35,117	22,762	15,562	N/A	15,562	1,437,771
RICE	+	76	1,276,197	43,240	42,163	U/A	U/A	U/A	11,586	1,650,637
ROCHESTER	BM+	77	2,512,828	48,246	39,523	14,677	11,060	1,797	12,857	2,172,768
RUTGERS	GB+	78	2,300,292	86,082	81,379	48,420	U/A	U/A	18,694	2,288,283
SASKATCHEWAN	GLM+	79	1,253,984	47,900	45,275	34,108	U/A	U/A	10,118	1,547,564
SOUTH CAROLINA	LM+	80	2,175,766	65,942	58,724	27,473	15,578	3,320	18,898	2,252,284

B - Includes Branch Campuses
G - Government Documents Not
Included in Serials Count

L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable

+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

ARL LIBRARY DATA TABLE

Libr No	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
	9	10	11	12	13	14	15	16	17	18
61	10,074	6,846	106	183	69	358	1,287,459	1,626,761	514,899	84,879
62	24,210	4,220	114	204	90	408	2,173,863	1,918,056	336,865	0
63	27,879	4,310	42	116	55	213	752,117	1,419,969	447,941	38,127
64	13,722	9,467	103	148	92	343	1,576,972	1,738,873	98,061	8,833
65	7,748	5,661	40	106	31	177	898,172	1,077,027	163,762	40,000
66	35,643	10,566	108	203	158	469	1,608,856	2,297,934	U/A	U/A
67	25,970	18,106	49	80	54	183	765,633	1,322,062	77,865	63,570
68	4,401	1,549	41	70	56	167	441,199	1,007,637	36,904	7,472
69	10,606	5,549	50	89	61	200	892,896	1,212,073	34,758	413,093
70	12,868	13,855	111	177	85	373	1,557,189	1,547,416	U/A	0
71	11,621	10,112	112	278	67	457	1,619,854	2,085,880	U/A	0
72	14,770	7,101	67	167	79	333	951,847	1,580,769	87,304	5,934
73	7,176	6,370	97	229	53	379	1,914,377	1,823,342	368,625	0
74	12,581	5,084	43	166	53	264	708,359	1,596,595	15,515	0
75	5,459	6,616	40	153	23	216	813,461	1,015,228	5,338	253,388
76	16,211	2,599	38	72	34	144	U/A	U/A	U/A	U/A
77	20,918	6,782	63	106	71	240	767,539	1,549,120	U/A	U/A
78	17,866	9,839	99	240	126	465	1,541,678	1,547,481	832,056	131,966
79	7,481	11,676	36	115	20	171	772,698	1,214,875	U/A	U/A
80	13,570	6,392	59	112		204	721,588	1,364,973	U/A	0

N/A - Not Applicable

U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
19	20	21	22	23	24	25	26	
3,513,998	225,468	3,343,864	3,146,051	543,051	7,032,972	2,029,378	12,801,816	NEW YORK
4,428,784	269,407	3,226,900	2,871,655	467,095	6,565,650	1,384,698	12,648,539	NORTH CAROLINA
2,658,154	139,010	1,111,423	1,721,697	418,894	3,252,014	1,166,178	7,215,356	NORTH CAROLINA STATE
3,422,739	192,395	3,036,318	2,172,512	702,914	5,911,744	1,147,586	10,674,464	NORTHWESTERN
2,178,961	114,628	1,083,153	1,291,502	196,059	2,570,714	774,491	5,638,794	NOTRE DAME
3,906,790	260,106	3,067,019	3,262,865	1,113,839	7,446,723	2,197,520	13,811,139	OHIO STATE
2,229,130	79,426	1,216,380	992,966	510,748	2,722,094	775,304	5,805,954	OKLAHOMA
1,493,208	86,534	930,858	634,237	369,174	1,934,269	1,185,808	4,699,819	OKLAHOMA STATE
2,552,825	110,074	1,242,371	1,174,256	273,993	2,690,520	472,281	5,825,800	OREGON
3,104,605	276,117	3,001,280	3,017,219	608,314	6,626,813	2,461,051	12,468,646	PENNSYLVANIA
3,705,734	236,581	U/A	U/A	U/A	7,396,002	3,481,896	14,820,213	PENNSYLVANIA STATE
2,625,854	157,825	2,168,405	U/A	U/A	4,911,446	1,198,863	8,893,988	PITTSBURGH
4,106,344	282,221	2,992,144	3,378,265	444,618	6,815,027	1,186,631	12,390,223	PRINCETON
2,310,469	105,355	1,159,168	2,075,905	343,015	3,578,088	609,075	6,602,987	PURDUE
2,087,415	87,224	U/A	U/A	184,848	3,144,447	285,079	5,604,165	QUEEN'S
1,855,008	48,831	1,042,071	809,473	119,921	1,971,465	665,102	4,540,456	RICE
2,369,639	106,216	1,594,477	1,488,749	265,861	3,349,087	776,641	6,601,583	ROCHESTER
4,053,181	337,530	3,685,816	4,158,953	859,560	8,704,329	1,348,473	14,443,513	RUTGERS
1,987,573	70,001	939,053	1,765,891	165,402	2,870,346	313,260	5,241,180	SASKATCHEWAN
2,086,561	121,656	1,574,298	1,373,475	213,572	3,161,345	419,245	5,788,807	SOUTH CAROLINA

N/A - Not Applicable

U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION	Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono- graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library	
										1
SOUTHERN CALIFORNIA	B+*	81	2,497,483	68,058	56,381	34,692	14,835	16,628	31,465	1,761,465
SOUTHERN ILLINOIS	GL+	82	1,899,569	59,445	55,075	27,491	21,473	N/A	21,473	2,652,694
STANFORD	BLM+	83	6,447,869	154,742	134,979	U/A	U/A	U/A	46,431	3,036,160
SUNY-ALBANY	GB+	84	1,151,576	36,853	23,957	22,741	13,300	0	13,300	518,814
SUNY-BUFFALO	LM+	85	2,371,181	66,169	62,462	U/A	18,959	4,744	23,703	3,088,337
SUNY-STONY BROOK	M+	86	1,522,497	49,996	48,753	U/A	U/A	U/A	13,117	2,459,066
SYRACUSE	bGL+	87	2,158,536	55,733	47,066	31,261	U/A	U/A	23,027	3,091,703
TEMPLE	BLM+	88	1,896,630	59,284	56,923	27,169	13,717	2,122	15,839	1,293,711
TENNESSEE	L+	89	1,552,805	41,623	28,478	22,577	12,321	2,135	14,456	1,683,725
TEXAS	L+	90	5,579,325	186,461	176,969	U/A	U/A	U/A	78,189	3,672,370
TEXAS A&M	CM+	91	1,665,652	59,597	55,609	26,028	15,603	3,169	16,772	3,075,240
TORONTO	LM+	92	2,373,654	208,766	194,977	U/A	32,401	7,837	40,238	1,970,000
TULANE	GBLM+	93	1,630,587	56,836	54,300	30,925	U/A	U/A	14,716	1,518,124
UTAH	G+	94	1,538,466	56,818	51,808	U/A	U/A	U/A	14,348	2,172,112
VANDERBILT	GLM+	95	1,679,141	70,991	66,547	U/A	U/A	U/A	17,800	1,337,953
VIRGINIA	GLM+	96	2,812,167	110,519	98,763	75,452	19,768	2,550	22,318	3,578,749
WPI & SU	B+	97	1,551,723	64,744	58,372	32,382	17,214	2,600	19,814	3,896,551
WASHINGTON	LM+	98	4,545,114	154,118	127,385	52,933	U/A	U/A	55,096	4,558,233
WASHINGTON STATE	L+	99	1,456,181	39,594	37,456	21,731	13,454	6,727	20,181	2,234,690
WASHINGTON U-ST. LOUIS	LM+	100	2,069,700	43,333	39,662	20,462	U/A	U/A	16,454	1,441,660

B - Includes Branch Campuses
 G - Government Documents Not
 Included in Serials Count

L - Includes Law Library
 M - Includes Medical Library
 N/A - Not Applicable

+ - See Footnotes
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ARL LIBRARY DATA TABLE

Libr No	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
	9	10	11	12	13	14	15	16	17	18
81	3,348	2,239	117	157	103	377	1,023,554	1,828,598	165,016	323,998
82	49,576	5,265	57	97	92	246	678,027	1,456,992	52,753	31,700
83	20,569	7,361	154	339	91	584	3,441,593	2,502,061	U/A	U/A
84	18,800	9,330	61	75	20	156	589,589	1,104,320	54,510	222,941
85	24,963	7,650	91	116	65	272	977,072	1,563,204	240,785	155,408
86	19,125	6,021	52	116	50	218	1,602,979	1,244,368	33,105	266,917
87	5,605	4,516	67	141	35	243	915,209	1,774,950	83,201	0
88	9,627	4,913	68	116	75	259	1,305,129	1,113,523	42,541	214,845
89	24,098	3,906	55	134	41	230	629,816	1,345,206	U/A	U/A
90	13,477	7,934	140	376	69	585	3,782,763	2,498,314	U/A	U/A
91	35,126	12,952	65	147	86	298	1,147,241	1,763,036	653,468	73,104
92	19,822	9,035	155	462	118	735	2,139,930	2,474,652	U/A	U/A
93	8,711	6,650	51	99	38	188	1,170,363	1,268,950	U/A	U/A
94	9,313	10,020	49	109	68	226	1,428,497	670,580	U/A	U/A
95	13,900	7,376	65	116	56	237	1,067,874	1,463,076	128,548	163,720
96	21,226	8,173	92	196	56	344	1,838,802	1,613,362	702,599	134,982
97	18,297	3,574	56	105	32	193	1,336,387	1,164,939	U/A	125,964
98	102,109	5,275	119	224	121	464	906,852	2,457,310	164,006	0
99	15,201	3,282	44	109	56	209	612,617	1,557,054	27,977	0
100	19,282	8,253	67	125	39	231	648,188	1,565,084	78,490	113,135

N/A - Not Applicable

U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
19	20	21	22	23	24	25	26	
3,341,106	122,062	2,645,188	2,356,956	637,259	5,639,403	1,377,037	10,479,608	SOUTHERN CALIFORNIA
2,219,481	179,700	1,800,238	1,248,281	638,993	3,747,512	638,953	6,785,656	SOUTHERN ILLINOIS
5,943,654	325,217	5,796,480	7,458,467	1,064,113	14,319,060	3,020,925	23,608,856	STANFORD
1,971,360	71,000	1,522,021	1,131,426	119,249	2,772,756	574,145	5,389,261	SUNY-ALBANY
2,936,469	159,962	2,353,002	1,752,259	469,501	4,574,762	1,081,358	8,752,551	SUNY-BUFFALO
2,547,369	121,768	1,581,866	1,756,229	301,302	3,639,097	469,693	6,777,927	SUNY-STORY BROOK
2,773,360	106,144	1,663,202	1,687,212	229,584	3,579,998	1,330,483	7,789,985	SYRACUSE
2,676,038	119,121	1,721,771	1,515,701	277,484	3,514,956	472,632	6,782,747	TEMPLE
1,976,022	115,106	1,377,830	1,545,249	290,197	3,213,276	481,267	5,785,671	TENNESSEE
6,281,077	176,719	3,557,611	4,493,576	1,058,183	9,109,370	1,748,566	17,315,732	TEXAS
3,636,849	127,021	1,554,490	1,551,202	619,970	3,725,662	1,361,951	8,851,483	TEXAS A&M
4,614,582	187,329	4,232,727	6,817,230	1,173,855	12,223,812	1,027,621	10,053,344	TORONTO
2,512,837	117,311	U/A	U/A	U/A	2,595,320	583,063	5,808,536	TULANE
2,099,077	109,090	1,092,334	1,394,504	606,415	3,093,253	509,183	5,810,603	UTAH
2,823,218	134,496	1,612,435	1,556,337	330,225	3,498,997	1,140,328	7,577,039	VANDERBILT
4,489,745	247,315	2,442,086	2,796,000	585,601	5,823,687	1,312,473	11,873,220	VIRGINIA
2,627,290	144,400	1,193,523	1,428,715	306,126	2,928,364	853,301	6,553,355	VPI & SU
3,528,168	288,159	3,413,712	3,306,161	857,885	7,577,758	1,261,656	12,655,741	WASHINGTON
2,197,648	152,111	1,092,238	1,755,333	473,331	3,270,902	915,086	6,535,747	WASHINGTON STATE
2,404,897	116,267	1,563,597	1,582,075	232,868	3,378,540	2,203,922	8,103,626	WASHINGTON U-ST. LOUIS

N/A - Not Applicable

U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION	Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library	
		1	2	3	4	5	6	7	8	
WATERLOO	B+	101	1,468,524	68,120	68,120	30,753	9,502	6,779	16,281	596,491
WAYNE STATE	bBLM+	102	2,129,392	54,781	53,400	33,210	16,198	7,136	23,336	1,730,818
WESTERN ONTARIO	M+	103	1,868,115	61,973	52,178	39,642	U/A	U/A	18,972	1,677,205
WISCONSIN	LM+	104	4,607,542	121,882	112,862	U/A	U/A	U/A	48,907	1,156,515
YALE	M bGL+	105	8,236,679	174,739	44,535	101,630	36,650	20,701	57,351	2,395,015
YORK	GBL+	106	1,483,382	53,654	51,850	U/A	U/A	U/A	11,933	601,329
BOSTON PUBLIC LIBRARY	G	107	5,568,638	187,776	187,544	105,727	U/A	U/A	15,738	2,982,567
CANADA INST. FOR SCITECH.	B+	108	1,983,464	72,723	72,723	33,019	27,550	2,450	30,000	2,075,000
CENTER FOR RESEARCH LIB.	G+	109	2,830,472	35,514	35,514	20,626	14,888	0	14,888	1,053,474
LIBRARY OF CONGRESS	+	110	20,677,803	302,077	287,889	U/A	37,500	137,500	175,000	6,653,286
LINDA HALL LIBRARY	G+	111	584,950	17,000	17,000	8,000	11,000	2,100	13,100	40,000
NATL. AGRICULTURAL LIB.	+	112	1,860,103	14,176	11,038	10,158	11,000	20,000	31,000	739,904
NATL. LIBRARY OF CANADA	G+	113	1,080,916	50,494	49,888	7,907	6,056	14,710	20,766	2,361,000
NATL. LIBRARY OF MEDICINE	M+	114	1,782,238	39,425	37,023	11,729	23,039	4,371	27,410	233,885
NEWBERRY LIBRARY	G+	115	1,402,554	10,870	10,860	6,524	U/A	U/A	6,200	242,602
NEW YORK PUBLIC LIBRARY	+	116	6,203,240	453,574	440,328	U/A	U/A	U/A	140,000	2,273,011
NEW YORK STATE LIBRARY	LM+	117	1,978,860	35,613	35,563	16,072	10,400	7,370	17,770	3,422,121
SMITHSONIAN INSTITUTION	bb+	118	1,000,621	21,321	20,621	10,000	2,945	12,996	15,941	U/A

B - Includes Branch Campuses
 G - Government Documents Not Included in Serials Count

L - Includes Law Library
 M - Includes Medical Library
 N/A - Not Applicable

+ - See Footnotes
 b - Bibliographic Count
 U/A - Unavailable

ARL LIBRARY DATA TABLE

Libr No	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
	9	10	11	12	13	14	15	16	17	18
101	6,317	4,969	44	148	28	220	881,040	1,008,271	66,897	U/A
102	19,880	1,782	57	112	62	231	1,304,427	1,086,662	653,814	U/A
103	9,050	2,885	55	207	48	310	917,978	1,605,879	U/A	U/A
104	89,214	18,758	131	226	154	511	1,630,275	2,251,247	54,753	421,968
105	7,360	4,289	171	328	117	636	1,582,900	2,206,400	538,600	1,015,800
106	7,366	3,710	49	135	54	238	886,206	982,747	76,346	59,891
107	15,593	793	193	331	33	557	2,862,480	1,020,000	860,000	0
108	325,477	N/A	86	144	0	230	1,271,535	4,477,543	119,090	57,161
109	23,648	0	22	32	13	67	23,672	248,379	697,922	0
110	67,417	520	2,659	2,165	N/A	4,824	2,120,467	2,500,205	1,520,056	200,874
111	69,649	109	22	41	N/A	63	175,394	891,189	U/A	79,829
112	12,859	28,586	101	85	11	197	355,756	0	0	795,044
113	80,470	1,007	221	328	N/A	549	441,451	294,963	762,704	29,676
114	119,591	146	227	147	27	401	423,085	1,653,261	206,287	0
115	996	154	46	60	N/A	106	164,377	126,804	U/A	0
116	6,253	1,390	190	246	58	494	2,111,517	2,216,838	U/A	U/A
117	33,745	1,225	77	115	N/A	192	434,075	1,367,780	67,831	0
118	9,600	21,600	46	71	0	119	472,400	395,400	86,100	475,000

N/A - Not Applicable

U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend	Total Library Expend.	INSTITUTION
19	20	21	22	23	24	25	26	
2,016,208	62,279	1,212,634	1,885,207	194,912	3,292,753	607,589	5,978,829	WATERLOO
3,044,903	100,105	1,461,662	2,106,444	366,688	3,934,794	1,602,228	8,682,030	WAYNE STATE
2,523,857	133,514	1,337,008	2,399,259	454,120	4,190,387	283,118	7,130,876	WESTERN ONTARIO
4,358,243	250,358	3,570,354	3,994,632	1,227,043	8,792,029	2,384,046	15,784,676	WISCONSIN
1,014,786	314,400	5,220,698	4,999,300	709,900	10,929,898	3,262,400	19,850,398	YALE
1,015,199	117,249	1,439,621	1,940,756	414,537	3,794,914	846,721	6,774,073	YORK
1,012,800	0	U/A	U/A	U/A	1,040,377	2,671,280	8,454,137	BOSTON PUBLIC LIBRARY
1,015,122	57,416	2,297,482	2,567,774	0	4,865,256	4,867,640	15,715,642	CANADA INST. FOR SCITECH.
879,973	0	U/A	U/A	U/A	1,196,342	620,857	2,697,172	CENTER FOR RESEARCH LIB.
6,341,602	926,669	U/A	U/A	N/A	146,095,996	88,091,853	247,797,724	LIBRARY OF CONGRESS
1,146,412	54,876	U/A	U/A	U/A	1,071,647	187,926	2,460,863	LINDA HALL LIBRARY
1,150,800	30,000	3,136,905	2,510,996	150,000	5,797,901	5,074,376	12,053,077	NATL. AGRICULTURAL LIB.
1,010,714	15,342	5,540,969	5,425,069	192,101	12,158,138	9,039,764	22,742,038	NATL. LIBRARY OF CANADA
1,010,433	153,700	U/A	U/A	N/A	10,832,064	14,512,501	27,753,198	NATL. LIBRARY OF MEDICINE
1,010,788	71,821	U/A	U/A	N/A	2,079,040	407,295	2,829,337	NEWBERRY LIBRARY
1,010,365	342,126	U/A	U/A	U/A	12,888,383	14,445,991	32,052,857	NEW YORK PUBLIC LIBRARY
1,869,686	51,203	2,035,006	1,517,985	N/A	3,552,991	1,554,747	7,058,627	NEW YORK STATE LIBRARY
1,428,900	190,000	1,586,833	1,132,503	0	2,719,336	259,300	4,507,536	SMITHSONIAN INSTITUTION

N/A - Not Applicable

U/A - Unavailable

ARL LIBRARY DATA TABLE

TOTALS

COLLECTIONS

Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Monographs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
1	2	3	4	5	6	7	8
UNIVERSITY MEDIAN							
2,022,462	65,616	58,548	33,210	16,162	3,320	20,537	1,971,093
UNIVERSITY HIGH							
11,136,662	296,309	234,860	129,755	58,504	32,765	102,000	4,558,183
UNIVERSITY LOW							
1,071,104	29,359	22,397	8,257	6,875	0	7,375	142,954
TOTALS - UNIVERSITY LIBRARIES							
274,746,085	8,593,571	7,446,111	3,006,538	1,239,150	355,691	2,913,220	211,521,221
TOTALS - NON-UNIVERSITY LIBRARIES							
46,353,229	1,240,563	1,205,991	229,762	144,378	201,497	507,813	22,076,850
GRAND TOTALS - ALL ARL LIBRARIES							
321,699,314	9,834,134	8,652,102	3,236,300	1,383,528	557,188	3,426,033	233,598,071

ARL LIBRARY DATA TABLE

TOTALS

INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
9	10	11	12	13	14	15	16	17	18
UNIVERSITY MEDIAN									
16,151	7,048	67	137	61	263	1,120,645	1,496,774	95,720	47,467
UNIVERSITY HIGH									
173,493	144,760	318	575	285	1,044	4,981,874	3,444,002	832,056	1,015,800
UNIVERSITY LOW									
2,772	914	32	44	6	111	295,658	618,555	674	0
TOTALS - UNIVERSITY LIBRARIES									
2,359,021	943,835	8,438	17,129	7,529	33,096	133,270,989	165,322,209	14,414,109	7,981,473
TOTALS - NON-UNIVERSITY LIBRARIES									
765,298	55,532	3,892	3,765	142	7,799	10,910,209	15,192,362	4,229,990	1,637,584
GRAND TOTALS - ALL ARL LIBRARIES									
3,124,319	999,367	12,330	20,894	7,671	40,895	144,181,198	180,514,571	18,644,099	9,619,057

ARL LIBRARY DATA TABLE

TOTALS

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.
19	20	21	22	23	24	25	26
UNIVERSITY MEDIAN							
2,707,218	144,778	1,820,807	1,886,097	451,125	4,108,615	1,134,007	8,390,864
UNIVERSITY HIGH							
7,973,926	845,584	8,481,442	8,041,047	2,048,136	17,633,487	4,788,344	30,988,429
UNIVERSITY LOW							
1,274,739	47,905	930,858	634,237	59,789	1,934,269	57,885	4,214,993
TOTALS - UNIVERSITY LIBRARIES							
330,545,622	19,095,453	214,925,287	230,522,174	53,403,270	543,280,069	134,700,232	1,027,621,436
TOTALS - NON-UNIVERSITY LIBRARIES							
31,970,144	1,821,457	14,597,195	14,154,327	342,100	204,297,471	141,733,532	386,164,208
GRAND TOTALS - ALL ARL LIBRARIES							
362,515,766	20,916,910	229,522,482	244,676,501	53,745,370	747,577,540	276,433,764	1,413,785,644

ANALYSIS OF SELECTED VARIABLES OF UNIVERSITY LIBRARIES

The percentages and ratios below are intended to summarize the basic data in the ARL Library Data Tables. The high, median, and low figures indicate the range as well as the midpoint for ARL's 106 university library members.

Category	High	Median	Low
1. Professional Staff as percent of Total Staff	44	25	16
2. Nonprofessional Staff as percent of Total Staff	72	51	15
3. Student Assistant Staff as percent of Total Staff	56	23	2
4. Ratio of Professional Staff to Non-professional Staff (excluding student assistants)	2.0:1	0.5:1	0.3:1
5. Ratio of Items Loaned to Items Borrowed	19.4:1	2.2:1	0.6:1
6. Serials Expenditures as percent of Materials Expenditures	72	52	32
7. Materials Expenditures as percent of Total Operating Expenditures	50	34	22
8. Contract Binding as percent of Total Operating Expenditures	3.1	1.8	0.8
9. Salary and Wage Expenditures as percent of Total Operating Expenditures	68	52	40
10. Other Operating Expenditures as percent of Total Operating Expenditures	27	12	1
11. Unit cost of monographs (per volume)	59.37	29.50	12.19
12. Unit cost of serials (per title)	140.08	87.47	42.48

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

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

ENROLLMENTS - FALL 1986

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	Faculty	Total		Graduate	
				Full-time**	Part-time**	Full-time	Part-time
ALABAMA	117	94	954	12,796	1,097	1,069	599
ALBERTA	155	55	1,741	23,839	1,227	2,753	322
ARIZONA	260	92	1,363	23,136	2,783	3,492	1,776
ARIZONA STATE	131	34	1,243	25,722	5,774	2,201	1,257
BOSTON	156	44	956	19,431	2,531	5,649	1,189
BRIGHAM YOUNG	68	36	1,286	22,156	3,668	1,402	352
BRITISH COLUMBIA	144	82	1,927	21,070	1,866	2,860	335
BROWN	122	31	485	1,008	134	1,193	31
CALIF., BERKELEY	752	92	4,179	31,482	U/A	9,161	U/A
CALIF., DAVIS	231	53	920	19,835	1,904	5,234	212
CALIF., IRVINE	84	30	926	13,567	0	2,585	0
CALIF., LOS ANGELES	425	68	1,551	31,786	1,198	7,713	51
CALIF., RIVERSIDE	98	26	299	4,740	229	1,262	0
CALIF., SAN DIEGO	163	41	562	14,132	312	1,713	31
CALIF., SANTA BARBARA	153	57	986	16,636	386	2,028	36
CASE WESTERN RESERVE	160	43	518	5,967	654	1,506	467
CHICAGO	331	80	1,156	7,870	906	4,014	817
CINCINNATI +	192	88	979	18,674	338	2,348	429
COLORADO	242	48	896	18,777	1,104	1,666	211
COLORADO STATE	157	35	926	16,005	431	1,681	95
COLUMBIA	384	54	1,760	14,097	1,255	8,868	884
CONNECTICUT	181	66	1,471	16,319	6,744	2,381	3,926
CORNELL	438	89	N/A	17,904	U/A	5,282	U/A
DARTMOUTH	25	11	796	4,311	57	669	18
DELAWARE	101	41	827	14,066	1,565	1,031	277
DUKE	146	33	1,705	10,475	207	3,488	102
EMORY +	64	43	522	7,189	293	1,005	184
FLORIDA +	292	62	2,519	23,993	1,463	5,322	756
FLORIDA STATE	224	69	948	16,684	4,853	2,062	1,543
GEORGETOWN	79	16	505	9,476	1,227	950	640
GEORGIA	201	52	1,671	21,548	3,860	2,836	1,684
GEORGIA TECH	55	61	U/A	9,980	227	1,693	176
GUELPH	47	80	703	10,479	854	938	54
HARVARD +	325	49	1,185	16,895	3,212	6,929	140
HAWAII	129	38	996	14,046	2,164	1,826	588
HOUSTON	143	44	997	14,557	10,140	1,838	2,240
HOWARD	57	24	959	9,241	646	955	294
ILLINOIS	531	94	1,944	32,859	1,551	5,733	1,074
INDIANA	256	99	1,407	27,585	1,834	3,570	624
IOWA	245	53	1,031	23,150	2,779	3,042	1,252
IOWA STATE	256	66	1,312	23,263	1,672	2,098	899
JOHNS HOPKINS	193	59	1,750	7,074	2,200	3,421	1,242
KANSAS +	212	62	1,094	20,887	2,282	2,246	1,205
KENT STATE	114	18	678	14,543	1,883	1,190	592
KENTUCKY	89	47	1,507	15,755	1,504	1,681	515
LAVAL	121	58	1,340	22,659	4,715	4,717	638

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

** Includes both undergraduate and graduate students.

U/A - Unavailable

- See footnotes

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

ENROLLMENTS - FALL 1986

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1986			
				Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
LOUISIANA STATE	139	50	1,229	24,208	1,972	2,642	535
MCGILL	159	50	1,467	16,999	3,560	3,495	419
MCMASTER	101	26	1,001	11,274	1,504	1,125	596
MANITOBA	65	36	1,284	15,191	3,998	2,104	515
MARYLAND +	371	67	1,323	28,838	3,721	3,106	1,300
MASSACHUSETTS +	204	48	1,276	22,095	2,003	2,613	871
MIT	409	85	1,093	9,243	544	4,754	166
MIAMI	396	45	1,438	10,867	1,115	1,837	449
MICHIGAN	598	133	1,685	30,458	1,714	6,557	975
MICHIGAN STATE	416	156	1,877	34,504	3,547	3,429	1,767
MINNESOTA	515	90	1,830	35,326	10,338	8,343	418
MISSOURI	202	60	858	19,305	1,333	1,824	621
NEBRASKA	181	27	1,017	18,590	2,314	1,670	766
NEW MEXICO	144	33	1,149	14,208	3,766	1,651	848
NEW YORK +	350	144	1,184	18,192	5,086	7,243	3,542
NORTH CAROLINA	283	59	1,835	18,567	1,676	2,761	755
NORTH CAROLINA STATE	196	42	1,096	16,863	3,195	1,188	1,133
NORTHWESTERN	301	79	1,454	12,799	3,158	5,440	1,626
NOTRE DAME	92	23	952	9,288	108	1,824	83
OHIO STATE	512	121	1,856	43,555	3,525	6,003	952
OKLAHOMA	151	45	1,608	17,128	5,660	2,237	2,487
OKLAHOMA STATE	155	37	895	17,434	1,331	1,513	789
OREGON	191	42	634	14,030	860	2,037	146
PENNSYLVANIA	367	117	3,549	17,501	1,456	5,803	671
PENNSYLVANIA STATE	331	87	2,423	48,471	4,909	3,800	858
PITTSBURGH	378	55	2,182	17,805	4,353	3,255	1,919
PRINCETON	216	48	775	6,211	0	1,677	0
PURDUE	380	50	1,408	28,126	1,226	3,510	524
QUEEN'S	74	28	928	9,784	1,060	1,552	221
RICE +	127	27	405	4,046	0	1,236	0
ROCHESTER	163	50	1,206	6,826	645	1,832	246
RUTGERS	230	47	1,905	31,902	15,741	2,862	6,058
SASKATCHEWAN +	33	U/A	1,115	13,172	1,338	943	335
SOUTH CAROLINA +	138	44	1,051	15,089	7,385	3,298	4,876
SOUTHERN CALIFORNIA +	650	110	1,183	14,193	538	5,072	3,556
SOUTHERN ILLINOIS	155	22	953	18,014	2,155	789	1,295
STANFORD	760	77	808	11,696	687	4,277	445
SUNY-ALBANY	99	21	628	11,763	1,584	1,739	1,106
SUNY-BUFFALO +	228	63	1,064	18,606	3,041	3,101	1,613
SUNY-STONY BROOK	150	23	993	12,799	U/A	2,652	U/A
SYRACUSE +	139	83	917	14,824	2,052	2,779	1,412
TEMPLE	148	54	1,173	19,178	3,700	1,632	1,149
TENNESSEE	176	46	1,126	18,948	2,895	2,077	1,115
TEXAS +	474	66	1,942	41,169	3,288	8,084	717
TEXAS A&M	474	72	1,517	33,229	1,836	3,517	551
TORONTO	322	68	2,718	34,271	5,261	5,387	1,162

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

** Includes both undergraduate and graduate students.

U/A - Unavailable

See footnotes

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

ENROLLMENTS - FALL 1986

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1986			
				Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
TULANE	58	35	397	8,151	652	1,152	151
UTAH	188	60	825	15,154	4,604	2,305	702
VANDERBILT	137	37	626	8,163	275	1,868	197
VIRGINIA	189	45	941	15,984	467	3,244	239
VPI & SU +	274	54	2,077	20,735	1,121	2,729	845
WASHINGTON	345	62	1,607	27,033	3,040	5,249	715
WASHINGTON STATE	143	40	768	14,966	1,173	1,521	193
WASHINGTON U-ST. LOUIS	104	30	543	7,080	976	1,306	356
WATERLOO	102	48	807	12,776	2,276	3,220	298
WAYNE STATE	150	54	848	14,297	5,487	1,827	4,420
WESTERN ONTARIO	83	31	1,387	15,172	3,180	2,241	194
WISCONSIN +	673	110	2,176	37,707	2,799	7,292	908
YALE +	259	51	778	10,415	197	3,934	86
YORK +	66	55	1,124	19,861	2,126	1,600	393

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

** Includes both undergraduate and graduate students.

U/A - Unavailable

+ - See footnotes

SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

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

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

- | | |
|---|--|
| Table 1 - Volumes in Library (106) | Table 10 - Expenditures For Monographs (101) |
| Table 2 - Volumes Added (Gross) (106) | Table 11 - Serials Purchased (Titles) (65) |
| Table 3 - Current Serials (Total) (106) | Table 12 - Expenditures for Serials (104) |
| Table 4 - Microform Holdings (Total) (106) | Table 13 - Total Items Loaned (106) |
| Table 5 - Materials Expenditures (106) | Table 14 - Total Items Borrowed (106) |
| Table 6 - Salaries & Wages Expenditures (106) | Table 15 - Professional Staff (FTE) (106) |
| Table 7 - Other Operating Expenditures (106) | Table 16 - Nonprofessional Staff (FTE) (106) |
| Table 8 - Total Expenditures (106) | Table 17 - Total Staff (FTE) (106) |
| Table 9 - Monographs Purchased (Volumes) (77) | |

INSTITUTION	TABLES																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
ALABAMA	73	95	82	84	33	104	88	101	59	76	39	68	98	91	80	104	99
ALBERTA	32	29	45	47	63	20	48	30	12	85	20	25	66	13	36	12	21
ARIZONA	23	22	25	12	15	35	43	27	6	26	8	12	13	53	26	32	26
ARIZONA STATE	48	16	22	39	17	43	37	33	11	14	U/A	15	35	44	45	27	34
BOSTON	74	71	33	37	69	58	19	54	58	75	26	43	46	2	60	48	42
BRIGHAM YOUNG	62	55	73	79	48	59	63	61	29	17	58	97	90	27	31	106	43
BRITISH COLUMBIA	33	25	41	96	40	18	76	28	8	31	22	33	51	33	21	14	18
BROWN	54	82	84	93	90	72	20	64	26	52	50	95	88	81	46	84	72
CALIF., BERKELEY	4	2	2	10	5	2	6	3	U/A	8	U/A	3	10	6	3	10	2
CALIF., DAVIS	51	28	12	33	19	25	45	23	15	33	2	10	17	54	49	28	39
CALIF., IRVINE	102	63	90	85	42	47	42	44	31	41	40	51	70	42	91	91	82
CALIF., LOS ANGELES	8	1	4	5	2	3	1	2	U/A	3	U/A	2	5	21	2	7	4
CALIF., RIVERSIDE	101	91	93	88	86	84	70	82	24	42	59	99	97	36	106	97	103
CALIF., SAN DIEGO	64	36	62	89	30	29	23	26	9	18	U/A	73	57	60	55	38	41
CALIF., SANTA BARBARA	65	85	50	59	43	33	57	38	U/A	U/A	U/A	70	100	25	69	52	63

U/A - Unavailable

() Number of institutions reporting data

TABLES

INSTITUTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CASE WESTERN RESERVE	91	106	94	101	101	91	28	83	76	100	51	79	12	51	55	97	95
CHICAGO	12	23	14	74	33	26	8	20	U/A	U/A	U/A	29	7	68	43	24	29
CINCINNATI	89	62	61	49	53	44	41	47	U/A	46	U/A	50	28	34	40	60	46
COLORADO	49	81	91	91	80	64	90	78	64	92	49	58	58	35	89	86	87
COLORADO STATE	106	104	100	106	104	102	103	106	73	98	64	103	78	23	94	100	105
COLUMBIA	7	13	7	9	10	7	11	7	25	7	9	21	23	50	8	9	6
CONNECTICUT	55	47	58	43	59	49	77	59	U/A	U/A	U/A	66	31	17	62	86	74
CORNELL	11	11	8	3	9	12	7	10	1	1	1	U/A	21	19	5	6	11
DARTMOUTH	79	101	56	56	89	98	64	95	U/A	79	31	85	73	61	97	82	94
DELAWARE	67	75	53	77	47	95	69	75	U/A	19	U/A	77	86	99	82	94	96
DUKE	19	30	21	81	29	34	18	29	16	30	U/A	22	25	89	26	34	38
EMORY	57	51	69	69	51	62	24	55	U/A	53	U/A	61	32	72	66	62	69
FLORIDA	34	39	31	34	27	39	59	37	18	36	13	36	22	66	26	44	22
FLORIDA STATE	78	89	72	31	58	92	101	87	U/A	48	U/A	60	36	73	73	91	69
GEORGETOWN	83	56	54	70	49	46	25	43	22	47	U/A	33	101	93	46	71	48
GEORGIA	36	27	11	11	21	54	47	40	U/A	55	3	4	19	79	40	34	30
GEORGIA TECH	94	84	34	25	105	103	78	105	77	101	24	101	52	103	8+	105	106
GUELPH	75	45	105	92	102	101	106	104	63	97	U/A	100	106	86	105	77	101
HARVARD	1	3	1	2	1	1	2	1	U/A	2	U/A	1	11	31	1	1	1
HAWAII	50	40	23	36	67	53	29	53	50	51	11	71	82	104	64	90	75
HOUSTON	92	79	46	20	73	74	68	74	34	65	17	69	80	39	89	84	76
HOWARD	88	43	37	40	35	32	26	32	32	44	14	18	105	106	35	50	52
ILLINOIS	3	5	3	19	8	14	13	12	5	9	U/A	11	2	1	12	11	10
INDIANA	18	15	24	83	24	22	54	24	U/A	11	U/A	35	18	30	18	19	13
IOWA	28	24	19	21	23	52	100	51	U/A	32	5	19	8	41	39	88	56

U/A - Unavailable

() Number of institutions reporting data

TABLES

INSTITUTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
IOWA STATE	71	58	60	55	74	87	98	84	48	70	46	57	44	69	88	71	82
JOHNS HOPKINS	30	44	57	73	55	40	9	35	35	58	35	52	62	7	31	28	27
KANSAS	31	33	30	58	39	48	31	41	17	24	18	34	9	5	37	57	45
KENT STATE	80	99	106	98	106	81	58	97	62	96	65	104	69	61	102	95	92
KENTUCKY	56	94	86	64	64	66	55	65	60	73	U/A	53	48	24	60	58	55
LAVAL	87	73	92	100	88	36	83	58	71	93	57	93	71	15	46	26	51
LOUISIANA STATE	43	54	44	87	36	69	65	57	47	43	25	24	75	83	51	64	49
MCGILL	40	65	68	97	57	30	74	42	28	72	43	78	16	26	42	20	36
MCMASTER	103	88	103	105	72	83	99	85	33	45	61	80	89	56	101	52	89
MANITOBA	98	93	98	94	99	57	89	81	61	74	55	87	72	63	69	41	66
MARYLAND	63	32	52	28	38	38	39	36	23	40	28	38	74	98	38	43	37
MASSACHUSETTS	46	50	90	78	87	56	82	71	37	78	54	89	68	46	73	71	80
MIT	53	37	51	71	79	42	30	49	69	89	60	64	51	96	33	40	47
MIAMI	84	78	48	95	78	75	61	68	57	61	U/A	75	55	14	57	63	60
MICHIGAN	5	10	6	15	6	8	16	8	U/A	U/A	6	5	20	9	9	8	9
MICHIGAN STATE	24	38	38	44	45	37	32	39	14	29	34	54	95	78	43	56	35
MINNESOTA	15	17	16	24	13	13	21	13	U/A	13	10	13	1	11	23	30	19
MISSOURI	41	46	75	6	18	73	79	52	13	6	45	65	26	47	68	59	58
NEBRASKA	61	60	39	51	65	93	96	88	55	71	U/A	41	77	80	78	76	85
NEW MEXICO	82	77	74	35	54	50	75	62	43	87	U/A	62	60	43	51	48	54
NEW YORK	25	41	29	48	32	19	17	17	27	39	12	37	79	55	20	31	27
NORTH CAROLINA	21	14	17	29	14	24	33	19	3	10	15	23	33	90	15	22	20
NORTH CAROLINA STATE	105	90	85	26	60	80	51	66	51	83	52	59	24	87	96	65	80
NORTHWESTERN	22	26	36	63	34	27	52	31	20	25	U/A	32	61	28	21	44	32
NOTRE DAME	66	59	79	90	85	100	73	96	49	66	33	91	91	70	9	80	96

U/A - Unavailable

() Number of institutions reporting data

TABLES

INSTITUTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
OHIO STATE	16	18	27		25	16	15	16	7	22	16	14	15	16	19	23	14
OKLAHOMA	38	64	71	13	81	96	72	92	41	82	30	72	27	4	84	99	93
OKLAHOMA STATE	97	105	102	99	103	106	50	102	72	99	63	96	83	84	97	103	100
OREGON	68	92	66	72	66	97	94	89	21	68	41	82	76	71	82	96	88
PENNSYLVANIA	20	21	28	53	41	23	10	21	U/A	27	U/A	49	65	8	17	33	25
PENNSYLVANIA STATE	27	31	32	22	26	17	3	14	U/A	21	U/A	20	42	18	16	13	17
PITTSBURGH	29	35	35	50	62	41	46	45	U/A	60	U/A	42	30	52	33	37	33
PRINCETON	17	20	20	52	20	21	49	22	10	15	U/A	27	96	65	25	16	23
PURDUE	69	80	67	67	77	68	84	76	75	86	27	40	67	76	94	36	53
QUEEN'S	76	103	83	76	92	86	104	98	65	77	38	94	103	59	99	41	79
RICE	99	97	101	65	100	105	80	103	U/A	U/A	U/A	U/A	53	101	102	102	104
ROCHESTER	35	86	97	45	76	77	71	77	74	81	56	47	38	57	62	80	62
RUTGERS	42	34	65	38	22	11	36	15	19	28	U/A	48	50	72	24	15	15
SASKATCHEWAN	100	87	104	66	96	90	102	100	38	80	U/A	81	92	12	104	70	98
SOUTH CAROLINA	44	53	64	41	93	85	97	93	53	84	37	63	63	64	67	71	86
SOUTHERN CALIFORNIA	37	49	26	57	37	31	34	34	36	56	42	26	104	102	14	39	24
SOUTHERN ILLINOIS	58	67	49	23	82	61	81	69	52	88	19	55	6	75	69	91	58
STANFORD	9	8	15	18	4	4	5	4	U/A	5	U/A	6	39	49	7	5	8
SUNY-ALBANY	104	102	95	104	98	94	87	99	66	95	48	88	47	29	65	100	102
SUNY-BUFFALO	39	52	40	16	46	45	56	48	U/A	59	23	45	29	45	30	65	49
SUNY-STONY BROOK	90	83	96	30	68	65	95	72	U/A	57	U/A	76	45	67	79	65	78
Syracuse	45	72	43	14	52	67	38	60	44	63	U/A	30	102	85	51	51	60
TEMPLE	59	68	81	82	56	70	93	70	54	37	44	86	81	82	50	65	56
TENNESSEE	85	98	88	61	97	82	92	94	67	91	53	67	34	92	76	55	69
TEXAS	6	6	5	7	3	9	22	9	U/A	4	U/A	7	64	40	10	3	7

U/A - Unavailable

() Number of institutions reporting data

TABLES

INSTITUTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
TEXAS A&M	72	66	76	17	28	63	35	46	56	50	36	31	14	10	57	47	43
TORONTO	10	4	18	54	11	5	60	6	U/A	12	7	8	41	32	6	2	3
TULANE	77	69	87	68	71	99	86	91	45	49	U/A	74	87	58	80	88	91
UTAH	81	70	89	46	91	88	91	90	U/A	34	U/A	102	84	20	84	77	73
VANDERBILT	70	42	70	80	50	71	53	63	U/A	54	U/A	55	59	48	57	65	65
VIRGINIA	26	19	47	8	12	28	40	25	4	16	21	28	37	38	29	25	31
VPI & SU	86	57	59	4	61	89	66	79	42	35	29	84	49	95	73	82	89
WASHINGTON	14	9	10	1	31	15	44	18	40	64	U/A	9	3	74	13	18	16
WASHINGTON STATE	96	100	55	42	84	79	62	80	68	94	47	46	56	97	92	77	84
WASHINGTON U-ST. LOUIS	52	96	77	75	75	76	14	56	70	90	U/A	44	43	37	51	60	67
WATERLOO	95	48	78	103	94	78	85	86	46	69	62	92	99	77	92	44	77
WAYNE STATE	47	74	42	60	44	55	27	50	39	38	32	90	40	105	69	71	67
WESTERN ONTARIO	60	61	63	62	70	51	105	67	30	62	U/A	39	85	100	76	21	40
WISCONSIN	13	12	13	86	16	10	12	11	U/A	20	U/A	16	4	3	11	17	12
YALE	2	7	9	52	7	6	4	5	2	23	4	17	94	88	4	4	5
YORK	93	76	99	102	95	60	67	73	U/A	67	U/A	98	93	94	84	54	64

U/A - Unavailable

() Number of institutions reporting data

RANK ORDER TABLES OF UNIVERSITY LIBRARIES

RANK ORDER TABLE 1: VOLUMES IN LIBRARY

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

Group Ranges (in thousands) are:

1- 9,000 and over	6- 4,000-4,999
2- 8,000-8,999	7- 3,000-3,999
3- 7,000-7,999	8- 2,000-2,999
4- 6,000-6,999	9- 1,000-1,999
5- 5,000-5,999	

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	HARVARD	11,136,662	51		CALIF., DAVIS	2,082,128
2	2	YALE	8,236,679	52		WASHINGTON U-ST. LOUIS	2,069,700
3	3	ILLINOIS	7,000,170	53		MIT	2,029,455
4	4	CALIF., BERKELEY	6,845,732	54		BROWN	2,015,469
5	5	MICHIGAN	5,920,576	55		CONNECTICUT	2,013,043
	6	TEXAS	5,579,326	9	56	KENTUCKY	1,992,499
	7	COLUMBIA	5,551,739		57	EMORY	1,951,101
	8	CALIF., LOS ANGELES	5,486,955		58	SOUTHERN ILLINOIS	1,899,569
	9	STANFORD	5,447,869		59	TEMPLE	1,896,630
	10	TORONTO	5,373,654		60	WESTERN ONTARIO	1,868,915
6	11	CORNELL	4,870,570		61	NEBRASKA	1,833,558
	12	CHICAGO	4,756,076		62	BRIGHAM YOUNG	1,802,197
	13	WISCONSIN	4,607,542		63	MARYLAND	1,780,055
	14	WASHINGTON	4,549,114		64	CALIF., SAN DIEGO	1,760,614
	15	MINNESOTA	4,286,431		65	CALIF., SANTA BARBARA	1,745,803
	16	OHIO STATE	4,077,575		66	NOTRE DAME	1,745,405
7	17	PRINCETON	3,856,636		67	DELAWARE	1,723,465
	18	INDIANA	3,786,962		68	OREGON	1,706,612
	19	DUKE	3,510,645		69	PURDUE	1,695,718
	20	PENNSYLVANIA	3,376,901		70	VANDERBILT	1,679,141
	21	NORTH CAROLINA	3,301,751		71	IOWA STATE	1,663,235
	22	NORTHWESTERN	3,206,698		72	TEXAS A&M	1,655,652
	23	ARIZONA	3,139,481		73	ALABAMA	1,654,865
	24	MICHIGAN STATE	3,129,802		74	BOSTON	1,648,586
8	25	NEW YORK	2,932,055		75	GUELPH	1,634,610
	26	VIRGINIA	2,812,167		76	QUEEN'S	1,632,468
	27	PENNSYLVANIA STATE	2,808,453		77	TULANE	1,630,587
	28	IOWA	2,754,851		78	FLORIDA STATE	1,624,138
	29	PITTSBURGH	2,661,196		79	DARTMOUTH	1,614,015
	30	JOHNS HOPKINS	2,621,732		80	KENT STATE	1,609,598
	31	KANSAS	2,571,998		81	UTAH	1,588,456
	32	ALBERTA	2,555,756		82	NEW MEXICO	1,560,404
	33	BRITISH COLUMBIA	2,555,667		83	GEORGETOWN	1,553,000
	34	FLORIDA	2,539,417		84	MIAMI	1,552,900
	35	ROCHESTER	2,512,828		85	TENNESSEE	1,552,605
	36	GEORGIA	2,510,730		86	VPI & SU	1,551,733
	37	SOUTHERN CALIFORNIA	2,497,483		87	LAVAL	1,541,660
	38	OKLAHOMA	2,492,364		88	HOWARD	1,541,337
	39	SUNY-BUFFALO	2,371,181		89	CINCINNATI	1,527,605
	40	MCGILL	2,347,442		90	SUNY-STONY BROOK	1,522,497
	41	UNIVERSITY OF MICHIGAN	2,318,012		91	CASE WESTERN RESERVE	1,493,579
	42	UNIVERSITY OF CALIFORNIA	2,300,292		92	HOUSTON	1,485,706
	43	LOUISIANA STATE	2,210,758		93	YORK	1,483,382
	44	SOUTH CAROLINA	2,175,766		94	GEORGIA TECH	1,468,638
	45	SYRACUSE	2,158,536		95	WATERLOO	1,468,524
	46	MASSACHUSETTS	2,129,588		96	WASHINGTON STATE	1,456,181
	47	WAYNE STATE	2,129,392		97	OKLAHOMA STATE	1,420,518
	48	ARIZONA STATE	2,108,370		98	MANITOBA	1,403,940
	49	COLORADO	2,096,954		99	RICE	1,276,197
	50	HAWAII	2,089,176		100	SASKATCHEWAN	1,253,984
					101	CALIF., RIVERSIDE	1,250,372
					102	CALIF., IRVINE	1,239,130
					103	MCMASTER	1,218,070
					104	SUNY-ALBANY	1,154,576
					105	NORTH CAROLINA STATE	1,153,720
					106	COLORADO STATE	1,071,104

U/A - Unavailable

RANK ORDER TABLE 2: VOLUMES ADDED (GROSS)

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

The ranges for the groups below are:

- | | |
|---------------------|--------------------|
| 1- 250,000 and over | 6- 100,000-129,999 |
| 2- 220,000-249,999 | 7- 70,000- 99,999 |
| 3- 190,000-219,999 | 8- 40,000 69,999 |
| 4- 160,000-189,999 | 9- unde 39,999 |
| 5- 130,000-159,999 | |

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	CALIF., LOS ANGELES	296,309	52	52	SUNY-BUFFALO	66,169
	2	CALIF., BERKELEY	254,231		53	SOUTH CAROLINA	65,942
3	3	HARVARD	217,757	54	LOUISIANA STATE	65,291	
	4	TORONTO	208,766	55	BRIGHAM YOUNG	65,266	
	5	ILLINOIS	198,837	56	GEORGETOWN	65,104	
4	6	TEXAS	186,961	57	VPI & SU	64,744	
	7	YALE	174,739	58	IOWA STATE	63,139	
5	8	STANFORD	154,742	59	NOTRE DAME	62,951	
	9	WASHINGTON	154,118	60	NEBRASKA	62,772	
	10	MICHIGAN	145,349	61	WESTERN ONTARIO	61,973	
6	11	CORNELL	129,755	62	CINCINNATI	61,434	
	12	WISCONSIN	121,882	63	CALIF., IRVINE	61,017	
	13	COLUMBIA	121,669	64	OKLAHOMA	60,838	
	14	NORTH CAROLINA	120,512	65	MCGILL	60,543	
	15	INDIANA	118,254	66	TEXAS A&M	59,997	
	16	ARIZONA STATE	116,615	67	SOUTHERN ILLINOIS	59,445	
	17	MINNESOTA	116,479	68	TEMPLE	59,284	
	18	OHIO STATE	110,862	69	TULANE	56,836	
	19	VIRGINIA	110,519	70	UTAH	56,818	
	20	PRINCETON	107,393	71	BOSTON	56,764	
	21	PENNSYLVANIA	106,152	72	SYRACUSE	55,733	
	22	ARIZONA	102,612	73	LAVAL	55,538	
	23	CHICAGO	101,139	74	WAYNE STATE	54,781	
7	24	IOWA	99,184	75	DELAWARE	54,569	
	25	BRITISH COLUMBIA	97,837	76	YORK	53,654	
	26	NORTHWESTERN	97,577	77	NEW MEXICO	53,197	
	27	GEORGETOWN	95,057	78	MIAMI	52,707	
	28	CALIF., DAVIS	92,477	79	HOUSTON	52,513	
	29	ALBERTA	92,345	80	PURDUE	50,815	
	30	DUKE	92,093	81	COLORADO	50,783	
	31	PENNSYLVANIA STATE	91,180	82	BROWN	50,686	
	32	MARYLAND	87,563	83	SUNY-STONY BROOK	49,996	
	33	KANSAS	87,045	84	GEORGIA TECH	49,685	
	34	RUTGERS	86,082	85	CALIF., SANTA BARBARA	49,381	
	35	PITTSBURGH	85,417	86	ROCHESTER	48,246	
	36	CALIF., SAN DIEGO	85,407	87	SASKATCHEWAN	47,900	
	37	MIT	81,855	88	MCMASTER	47,509	
	38	MICHIGAN STATE	81,521	89	FLORIDA STATE	47,477	
	39	FLORIDA	78,902	90	NORTH CAROLINA STATE	47,280	
	40	HAWAII	77,913	91	CALIF., RIVERSIDE	47,239	
41	NEW YORK	74,456	92	OREGON	46,737		
42	VANDERBILT	70,991	93	MANITOBA	45,227		
43	HOWARD	70,499	94	KENTUCKY	44,363		
44	JOHNS HOPKINS	70,111	95	ALABAMA	43,712		
8	45	GUELPH	69,924	96	WASHINGTON U-ST. LOUIS	43,333	
	46	MISSOURI	68,998	97	RICE	43,240	
	47	CONNECTICUT	68,312	98	TENNESSEE	41,623	
	48	WATERLOO	68,120	99	KENT STATE	39,661	
	49	SOUTHERN CALIFORNIA	68,058	100	WASHINGTON STATE	39,594	
	50	MASSACHUSETTS	67,077	101	DARTMOUTH	37,141	
	51	EMORY	66,931	102	SUNY ALBANY	36,855	
			103	QUEEN'S	35,891		
			104	COLORADO STATE	31,814		
			105	OKLAHOMA STATE	30,313		
			106	CASE WESTERN RESERVE	29,359		

U/A - Unavailable

RANK ORDER TABLE 3: CURRENT SERIALS (TOTAL)

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

The ranges for the groups below are:

- | | |
|--------------------|------------------|
| 1- 90,000 and over | 6- 40,000-49,999 |
| 2- 80,000-89,999 | 7- 30,000-39,999 |
| 3- 70,000-79,999 | 8- 20,000-29,999 |
| 4- 60,000-69,999 | 9- 10,000-19,999 |
| 5- 50,000-59,999 | 10- under 10,000 |

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	HARVARD+	102,000	9	52	MARYLAND	20,658
	2	CALIF., BERKELEY+	97,971		53	DELAWARE	20,590
	3	ILLINOIS	92,913		54	GEORGETOWN	20,485
2	4	CALIF., LOS ANGELES+	88,545		55	WASHINGTON STATE +	20,181
	5	TEXAS+	78,189		56	DARTMOUTH	20,155
4	6	MICHIGAN +	66,106		57	JOHNS HOPKINS +	20,024
	7	COLUMBIA +	63,430		58	CONNECTICUT	19,872
5	8	CORNELL +	58,504		59	VPI & SU +	19,814
	9	YALE	57,351		60	IOWA STATE	19,683
	10	WASHINGTON +	55,096		61	CINCINNATI	19,652
	11	GEORGIA +	53,553		62	CALIF., SAN DIEGO	19,475
6	12	CALIF., DAVIS +	50,564		63	WESTERN ONTARIO +	18,972
	13	WISCONSIN +	48,907		64	SOUTH CAROLINA +	18,898
	14	CHICAGO +	47,685		65	RUTGERS	18,694
	15	STANFORD +	46,431		66	OREGON	18,268
	16	MINNESOTA +	44,559		67	PURDUE	18,224
	17	NORTH CAROLINA +	44,513		68	MCGILL	18,013
	18	TORONTO +	40,238		69	EMORY	17,969
7	19	IOWA +	37,297		70	VANDERBILT	17,800
	20	PRINCETON +	36,290		71	OKLAHOMA	17,370
	21	DUKE	35,969		72	FLORIDA STATE	17,233
	22	ARIZONA STATE +	34,648		73	BRIGHAM YOUNG +	17,222
	23	HAWAII	33,889		74	NEW MEXICO	17,105
	24	INDIANA+	32,586		75	MISSOURI	16,880
	25	ARIZONA +	31,892		76	TEXAS A&M	16,772
	26	SOUTHERN CALIFORNIA +	31,463		77	WASHINGTON U ST. LOUIS +	16,454
	27	OHIO STATE +	31,312		78	WATERLOO +	16,281
	28	PENNSYLVANIA +	30,511		79	NOTRE DAME	16,162
8	29	NEW YORK +	29,789		80	CALIF., IRVINE	15,904
	30	KANSAS	29,666		81	TEMPLE +	15,839
	31	FLORIDA	29,512		82	ALABAMA	15,760
	32	PENNSYLVANIA STATE +	29,161	83	QUEEN'S	15,562	
	33	BOSTON	29,129	84	BROWN +	15,559	
	34	GEORGIA TECH +	28,557	85	NORTH CAROLINA STATE	15,439	
	35	PITTSBURGH +	26,328	86	KENTUCKY	15,072	
	36	NORTHWESTERN +	25,317	87	TULANE	14,716	
	37	HOWARD +	24,966	88	TENNESSEE +	14,456	
	38	MICHIGAN STATE +	24,859	89	UTAH	14,348	
	39	NEBRASKA +	23,755	90	MASSACHUSETTS +	14,138	
	40	SUNY-BUFFALO +	23,703	91	COLORADO	13,803	
	41	BRITISH COLUMBIA	23,521	92	LAVAL +	13,722	
	42	WAYNE STATE +	23,336	93	CALIF., RIVERSIDE +	13,668	
	43	SYRACUSE	23,027	94	CASE WESTERN RESERVE	13,394	
	44	LOUISIANA STATE	22,840	95	SUNY-ALBANY	13,300	
	45	ALBERTA +	22,608	96	SUNY-STONY BROOK +	13,117	
	46	HOUSTON	22,581	97	ROCHESTER +	12,857	
	47	VIRGINIA	22,318	98	MANITOBA	12,433	
	48	MIAMI +	21,565	99	YORK	11,933	
	49	SOUTHERN ILLINOIS	21,473	100	COLORADO STATE	11,761	
50	CALIF., SANTA BARBARA +	21,247	101	RICE +	11,586		
51	MIT +	21,147	102	OKLAHOMA STATE	10,350		
				103	MCMASTER	10,240	
				104	SASKATCHEWAN	10,118	
				105	GUELPH	10,047	
				10	106	KENT STATE	7,375

U/A - Unavailable

+ - Includes government document serials

RANK ORDER TABLE 4: MICROFORM HOLDINGS

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

Group Ranges (in thousands) are:

1- 4,000 and over	5- 2,000-2,499
2- 3,500-3,999	6- 1,500-1,999
3- 3,000-3,499	7- 1,000-1,499
4- 2,500-2,999	8- under 1,000

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value	
1	1	WASHINGTON	4,558,183	6	52	PRINCETON	1,991,432	
	2	HARVARD	4,154,154		53	PENNSYLVANIA	1,972,178	
2	3	CORNELL	3,989,843	54	TORONTO	1,970,008		
	4	VPI & SU	3,896,551	55	IOWA STATE	1,860,590		
	5	CALIF., LOS ANGELES	3,835,492	56	DARTMOUTH	1,801,291		
	6	MISSOURI	3,776,024	57	SOUTHERN CALIFORNIA	1,761,485		
	7	TEXAS	3,672,370	58	KANSAS	1,750,968		
	8	VIRGINIA	3,578,749	59	CALIF., SANTA BARBARA	1,748,593		
	3	9	COLUMBIA	3,388,230	60	WAYNE STATE	1,730,818	
		10	CALIF., BERKELEY	3,385,553	61	TENNESSEE	1,683,725	
11		GEORGIA	3,375,262	62	WESTERN ONTARIO	1,677,205		
12		ARIZONA	3,149,171	63	NORTHWESTERN	1,669,566		
13		OKLAHOMA	3,116,897	64	KENTUCKY	1,652,315		
14		SYRACUSE	3,091,703	65	RICE	1,650,637		
15		MICHIGAN	3,090,623	66	SASKATCHEWAN	1,547,564		
16		SUNY-BUFFALO	3,088,337	67	PURDUE	1,530,998		
17		TEXAS A&M	3,075,249	7	68	TULANE	1,518,124	
18		STANFORD	3,036,169		69	EMORY	1,499,654	
4		19	ILLINOIS		2,894,312	70	GEORGETOWN	1,497,147
		20	HOUSTON		2,800,380	71	MIT	1,494,571
		21	IOWA		2,724,049	72	OREGON	1,486,211
		22	PENNSYLVANIA STATE		2,687,484	73	JOHNS HOPKINS	1,477,129
		23	SOUTHERN ILLINOIS		2,652,699	74	CHICAGO	1,474,116
		24	MINNESOTA		2,642,377	75	WASHINGTON U-ST. LOUIS	1,441,660
		25	GEORGIA TECH		2,635,215	76	QUEEN'S	1,437,771
		26	NORTH CAROLINA STATE		2,622,754	77	DELAWARE	1,387,968
	27	OHIO STATE	2,552,137	78	MASSACHUSETTS	1,385,671		
	28	MARYLAND	2,536,851	79	BRIGHAM YOUNG	1,382,794		
5	29	NORTH CAROLINA	2,474,007	80	VANDERBILT	1,337,953		
	30	SUNY-STONY BROOK	2,459,066	81	DUKE	1,332,419		
	31	FLORIDA STATE	2,458,815	82	TEMPLE	1,293,711		
	32	YALE	2,395,015	83	INDIANA	1,256,323		
	33	CALIF., DAVIS	2,361,350	84	ALABAMA	1,193,565		
	34	FLORIDA	2,358,980	85	CALIF., IRVINE	1,166,457		
	35	NEW MEXICO	2,345,875	86	WISCONSIN	1,156,515		
	36	HAWAII	2,333,732	87	LOUISIANA STATE	1,117,553		
	37	BOSTON	2,329,404	88	CALIF., RIVERSIDE	1,075,296		
	38	RUTGERS	2,288,283	89	CALIF., SAN DIEGO	1,044,147		
	39	ARIZONA STATE	2,285,508	8	90	NOTRE DAME	982,024	
	40	HOWARD	2,266,115		91	COLORADO	980,582	
	41	SOUTH CAROLINA	2,252,284		92	GUELPH	975,772	
	42	WASHINGTON STATE	2,234,690		93	BROWN	971,022	
	43	CONNECTICUT	2,209,378		94	MANITOBA	857,376	
44	MICHIGAN STATE	2,192,757	95		MIAMI	847,220		
45	ROCHESTER	2,172,768	96		BRITISH COLUMBIA	822,692		
46	UTAH	2,172,112	97		MCGILL	804,556		
47	ALBERTA	2,167,473	98		KENT STATE	733,845		
48	NEW YORK	2,097,678	99		OKLAHOMA STATE	655,971		
49	CINCINNATI	2,094,891	100	LAVAL	632,926			
50	PITTSBURGH	2,021,116	101	CASE WESTERN RESERVE	609,311			
51	NEBRASKA	2,002,377	102	YORK	601,329			
				103	WATERLOO	596,491		
				104	SUNY-ALBANY	518,814		
				105	MCMASTER	351,717		
				106	COLORADO STATE	142,954		

U/A - Unavailable

RANK ORDER TABLE 5: MATERIALS EXPENDITURES

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

Group Ranges (in thousands) are:

1- 5,500 and over	6- 3,000-3,499
2- 5,000-5,499	7- 2,500-2,999
3- 4,500-4,999	8- 2,000-2,499
4- 4,000-4,499	9- 1,500-1,999
5- 3,500-3,999	10- 1,000-1,499

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value	
1	1	HARVARD	7,973,926	52	52	SYRACUSE	2,773,360	
	2	CALIF., LOS ANGELES	5,950,170		53	CINCINNATI	2,709,140	
	3	TEXAS	5,943,077		54	NEW MEXICO	2,705,297	
	4	STANFORD	5,943,654		55	JOHNS HOPKINS	2,700,756	
2	5	CALIF., BERKELEY	5,487,829		56	TEMPLE	2,676,038	
	6	MICHIGAN	5,459,928		57	MCGILL	2,674,644	
	7	YALE	5,343,700		58	FLORIDA STATE	2,674,535	
3	8	ILLINOIS	4,990,169		59	CONNECTICUT	2,660,868	
	9	CORNELL	4,981,874		60	NORTH CAROLINA STATE	2,658,154	
	10	COLUMBIA	4,779,944		61	VPI & SU	2,627,290	
	11	TORONTO	4,614,582	62	PITTSBURGH	2,625,854		
4	12	VIRGINIA	4,489,745	63	ALBERTA	2,584,852		
	13	MINNESOTA	4,486,453	64	KENTUCKY	2,573,297		
	14	NORTH CAROLINA	4,428,784	65	NEBRASKA	2,553,056		
	15	ARIZONA	4,402,842	66	OREGON	2,552,825		
	16	WISCONSIN	4,358,243	67	HAWAII	2,549,867		
	17	ARIZONA STATE	4,347,917	68	SUNY-STONY BROOK	2,547,369		
	18	MISSOURI	4,299,835	69	BOSTON	2,536,636		
	19	CALIF., DAVIS	4,150,559	70	WESTERN ONTARIO	2,523,857		
	20	PRINCETON	4,106,344	71	TULANE	2,512,837		
	21	GEORGIA	4,075,059	8	72	MCMASTER	2,457,167	
	22	RUTGERS	4,053,181		73	HOUSTON	2,423,744	
	5	23	IOWA		3,920,605	74	IOWA STATE	2,407,202
24		INDIANA	3,915,434		75	WASHINGTON U-ST. LOUIS	2,404,897	
25		OHIO STATE	3,906,750		76	ROCHESTER	2,369,639	
26		PENNSYLVANIA STATE	3,705,734		77	PURDUE	2,310,469	
27		FLORIDA	3,674,290		78	MIAMI	2,292,977	
28		TEXAS A&M	3,636,849		79	MIT	2,263,528	
29		DUKE	3,595,130		80	COLORADO	2,261,107	
30		CALIF., SAN DIEGO	3,576,525		81	OKLAHOMA	2,229,130	
31		WASHINGTON	3,528,168		82	SOUTHERN ILLINOIS	2,219,401	
32		NEW YORK	3,513,998		83	ALABAMA	2,211,547	
6		33	CHICAGO		3,443,966	84	WASHINGTON STATE	2,197,648
	34	NORTHWESTERN	3,422,739		85	NOTRE DAME	2,178,961	
	35	HOWARD	3,405,008	86	CALIF., RIVERSIDE	2,168,576		
	36	LOUISIANA STATE	3,385,282	87	MASSACHUSETTS	2,157,163		
	37	SOUTHERN CALIFORNIA	3,341,106	88	LAVAL	2,150,370		
	38	MARYLAND	3,297,790	89	DARTMOUTH	2,142,200		
	39	KANSAS	3,284,242	90	BROWN	2,129,155		
	40	BRITISH COLUMBIA	3,170,237	91	UTAH	2,099,077		
	41	PENNSYLVANIA	3,104,605	92	QUEEN'S	2,087,415		
	42	CALIF., IRVINE	3,078,629	93	SOUTH CAROLINA	2,086,561		
	43	CALIF., SANTA BARBARA	3,078,333	94	WATERLOO	2,016,208		
	44	WAYNE STATE	3,044,903	95	YORK	2,015,190		
	45	MICHIGAN STATE	3,004,109	9	96	SASKATCHEWAN	1,987,573	
	7	46	SUNY-BUFFALO		2,936,469	97	TENNESSEE	1,976,022
		47	DELAWARE		2,929,609	98	SUNY-ALBANY	1,971,360
48		BRIGHAM YOUNG	2,929,775		99	MANITOBA	1,947,032	
49		GEORGETOWN	2,844,978	100	RICE	1,855,008		
50		VANDERBILT	2,823,218	101	CASE WESTERN RESERVE	1,757,829		
51	EMORY	2,793,982	102	GUELPH	1,690,850			
10	103	OKLAHOMA STATE	1,493,208	10	103	OKLAHOMA STATE	1,493,208	
	104	COLORADO STATE	1,388,706		104	COLORADO STATE	1,388,706	
	105	GEORGIA TECH	1,304,083		105	GEORGIA TECH	1,304,083	
	106	KENT STATE	1,274,739		106	KENT STATE	1,274,739	

U/A - Unavailable

RANK ORDER TABLE 6: SALARIES AND WAGES

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

Group Ranges (in thousands) are:

1- 10,000 and over	6- 5,000-5,999
2- 9,000-9,999	7- 4,000-4,999
3- 8,000-8,999	8- 3,000-3,999
4- 7,000-7,999	9- 2,000-2,999
5- 6,000-6,999	10- 1,000-1,999

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	HARVARD	17,633,487	8	52	IOWA	4,154,204
	2	CALIF., BERKELEY	16,159,145		53	HAWAII	4,129,154
	3	CALIF., LOS ANGELES	15,044,939		54	GEORGIA	4,088,077
	4	STANFORD	14,319,060		55	WAYNE STATE	3,934,794
	5	TORONTO	12,223,812		56	MASSACHUSETTS	3,898,520
	6	YALE	10,929,893		57	MANITOBA	3,891,596
	7	COLUMBIA	10,348,756		58	BOSTON	3,889,582
2	8	MICHIGAN	9,763,453		59	BRIGHAM YOUNG	3,860,674
	9	TEXAS	9,109,370		60	YORK	3,794,914
3	10	WISCONSIN	8,792,029		61	SOUTHERN ILLINOIS	3,747,512
	11	RUTGERS	8,704,329		62	EMORY	3,731,394
	12	CORNELL	8,441,445		63	TEXAS A&M	3,725,662
	13	MINNESOTA	8,341,038		64	COLORADO	3,658,836
4	14	ILLINOIS	7,835,251		65	SUNY-STONY BROOK	3,639,097
	15	WASHINGTON	7,577,758	66	KENTUCKY	3,633,748	
	16	OHIO STATE	7,445,723	67	SYRACUSE	3,579,998	
	17	PENNSYLVANIA STATE	7,396,002	68	PURDUE	3,578,088	
	18	BRITISH COLUMBIA	7,057,797	69	LOUISIANA STATE	3,562,035	
	19	NEW YORK	7,032,972	70	TEMPLE	3,514,956	
5	20	ALBERTA	6,944,409	71	VANDERBILT	3,498,997	
	21	PRINCETON	6,815,027	72	BROWN	3,460,760	
	22	INDIANA	6,633,995	73	MISSOURI	3,445,212	
	23	PENNSYLVANIA	6,626,813	74	HOUSTON	3,440,767	
	24	NORTH CAROLINA	6,565,650	75	MIAMI	3,423,291	
	25	CALIF., DAVIS	6,442,338	76	WASHINGTON U-ST. LOUIS	3,378,540	
	26	CHICAGO	6,313,816	77	ROCHESTER	3,349,087	
6	27	NORTHWESTERN	5,911,744	78	WATERLOO	3,292,753	
	28	VIRGINIA	5,823,627	79	WASHINGTON STATE	3,270,902	
	29	CALIF., SAN DIEGO	5,757,951	80	NORTH CAROLINA STATE	3,252,014	
	30	MCGILL	5,757,155	81	KENT STATE	3,218,380	
	31	SOUTHERN CALIFORNIA	5,639,403	82	TENNESSEE	3,213,276	
	32	HOWARD	5,466,966	83	MCMASTER	3,171,277	
	33	CALIF., SANTA BARBARA	5,367,836	84	CALIF., RIVERSIDE	3,171,170	
	34	DUKE	5,349,518	85	SOUTH CAROLINA	3,161,345	
	35	ARIZONA	5,222,475	86	QUEEN S	3,144,447	
	36	LAVAL	5,162,508	87	IOWA STATE	3,125,747	
	37	MICHIGAN STATE	5,125,245	88	UTAH	3,093,253	
	38	MARYLAND	5,095,843	9	89	VPI & SU	2,928,364
7	39	FLORIDA	4,978,679		90	SASKATCHEWAN	2,870,346
	40	JOHNS HOPKINS	4,911,993		91	CASE WESTERN RESERVE	2,856,898
	41	PITTSBURGH	4,911,446		92	FLORIDA STATE	2,824,028
	42	MIT	4,828,316		93	NEBRASKA	2,803,924
	43	ARIZONA STATE	4,682,354		94	SUNY-ALBANY	2,772,756
	44	CINCINNATI	4,633,198		95	DELAWARE	2,738,214
	45	SUNY-BUFFALO	4,574,762		96	OKLAHOMA	2,722,094
	46	GEORGETOWN	4,510,208		97	OREGON	2,690,620
	47	CALIF., IRVINE	4,505,713		98	DARTMOUTH	2,616,376
	48	KANSAS	4,384,089	99	YALANE	2,595,320	
	49	CONNECTICUT	4,358,795	100	NOTRE DAME	2,570,714	
	50	NEW MEXICO	4,202,792	101	GUELPH	2,519,950	
	51	WESTERN ONTARIO	4,190,387	102	COLORADO STATE	2,437,618	
				103	GEORGIA TECH	2,240,003	
				104	ALABAMA	2,200,644	
				10	105	RICE	1,971,465
					106	OKLAHOMA STATE	1,934,269

U/A - Unavailable

RANK ORDER TABLE 7: OTHER OPERATING EXPENDITURES

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

Group Ranges (in thousands) are:

1- 1,000 and over	5- 2,000-2,499
2- 3,500-3,999	6- 1,500-1,999
3- 3,000-3,499	7- 1,000-1,499
4- 2,500-2,999	8- under 1,000

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	CALIF., LOS ANGELES	4,788,344	52	62	NORTHWESTERN	1,147,586
	2	HARVARD	4,707,292		53	VANDERBILT	1,140,328
3	3	PENNSYLVANIA STATE	3,481,896	54	INDIANA	1,127,687	
	4	YALE	3,262,400	55	KENTUCKY	1,096,141	
	5	STANFORD	3,020,925	56	SUNY-BUFFALO	1,081,358	
4	6	CALIF., BERKELEY	2,818,066	57	CALIF., SANTA BARBARA	1,080,897	
	7	CORNELL	2,792,257	58	KENT STATE	1,055,122	
	8	CHICAGO	2,598,539	59	FLORIDA	1,038,276	
	9	JOHNS HOPKINS	2,502,230	60	TORONTO	1,027,621	
5	10	PENNSYLVANIA	2,461,051	8	61	MIAMI	1,020,196
	11	COLUMBIA	2,440,687		62	WASHINGTON STATE	915,086
	12	WISCONSIN	2,384,046		63	BRIGHTON YOUNG	887,463
	13	ILLINOIS	2,369,275		64	DARTMOUTH	873,043
	14	WASHINGTON U-ST. LOUIS	2,203,922		65	LOUISIANA STATE	869,992
	15	OHIO STATE	2,197,520		66	VPI & SU	853,301
	16	MICHIGAN	2,058,783		67	YORK	846,721
	17	NEW YORK	2,029,378		68	HOUSTON	827,969
6	18	DUKE	1,954,043	69	DELAWARE	824,662	
	19	BOSTON	1,809,909	70	CALIF., RIVERSIDE	799,694	
	20	BROWN	1,773,711	71	ROCHESTER	776,641	
	21	MINNESOTA	1,773,243	72	OKLAHOMA	775,304	
	22	TEXAS	1,748,566	73	NOTRE DAME	774,491	
	23	CALIF., SAN DIEGO	1,706,188	74	MCGILL	712,963	
	24	EMORY	1,668,915	75	NEW MEXICO	704,074	
	25	GEORGETOWN	1,647,402	76	BRITISH COLUMBIA	701,969	
	26	HOWARD	1,630,734	77	CONNECTICUT	701,378	
	27	WAYNE STATE	1,602,228	78	GEORGIA TECH	697,864	
	28	CASE WESTERN RESERVE	1,579,450	79	MISSOURI	696,577	
	29	HAWAII	1,539,606	80	RICE	665,102	
7	30	MJT	1,492,171	81	SOUTHERN ILLINOIS	638,963	
	31	KANSAS	1,443,111	82	MASSACHUSETTS	636,457	
	32	MICHIGAN STATE	1,414,506	83	LAVAL	616,481	
	33	NORTH CAROLINA	1,384,698	84	PURDUE	609,075	
	34	SOUTHERN CALIFORNIA	1,377,037	85	WATERLOO	607,589	
	35	TEXAS A&M	1,361,951	86	TULANE	583,068	
	36	RUTGERS	1,348,473	87	SUNY-ALBANY	574,145	
	37	ARIZONA STATE	1,343,519	88	ALABAMA	569,862	
	38	SYRACUSE	1,330,483	89	MANITOBA	534,962	
	39	MARYLAND	1,315,333	90	COLORADO	529,231	
	40	VIRGINIA	1,312,473	91	UTAH	509,183	
	41	CINCINNATI	1,292,803	92	TENNESSEE	481,267	
	42	CALIF., IRVINE	1,292,109	93	TEMPLE	472,632	
	43	ARIZONA	1,281,296	94	OREGON	472,281	
	44	WASHINGTON	1,261,656	95	SUNY-STONY BROOK	469,693	
	45	CALIF., DAVIS	1,203,079	96	NEBRASKA	442,925	
	46	PITTSBURGH	1,198,863	97	SOUTH CAROLINA	419,245	
	47	GEORGIA	1,196,454	98	IOWA STATE	380,659	
	48	ALBERTA	1,195,215	99	MCMASTER	372,681	
	49	PRINCETON	1,186,631	100	IOWA	361,669	
	50	OKLAHOMA STATE	1,185,808	101	FLORIDA STATE	326,190	
	51	NORTH CAROLINA STATE	1,166,178	102	SASKATCHEWAN	313,260	
			103	COLORADO STATE	308,669		
			104	QUEEN'S	285,079		
			105	WESTERN ONTARIO	283,118		
			106	GUELPH	57,885		

U/A - Unavailable

RANK ORDER TABLE 8: TOTAL OPERATING EXPENDITURES

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

Group Ranges (in thousands) are:
 1- 16,000 and over 8- 9,000-9,999
 2- 15,000-15,999 9- 8,000-8,999
 3- 14,000-14,999 10- 7,000-7,999
 4- 13,000-13,999 11- 6,000-6,999
 5- 12,000-12,999 12- 5,000-5,999
 6- 11,000-11,999 13- 4,000-4,999
 7- 10,000-10,999 14- 3,000-3,999

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	HARVARD	30,988,429	10	58	LAVAL	7,991,511
	2	CALIF., LOS ANGELES	27,529,037		59	CONNECTICUT	7,874,952
	3	CALIF., BERKELEY	25,114,849		60	SYRACUSE	7,789,985
	4	STANFORD	23,608,856		61	BRIGHAM YOUNG	7,776,465
	5	YALE	19,850,398		62	NEW MEXICO	7,750,244
	6	TORONTO	18,053,344		63	VANDERBILT	7,597,039
	7	COLUMBIA	18,031,190		64	BROWN	7,497,384
	8	MICHIGAN	17,526,414		65	KENTUCKY	7,395,619
	9	TEXAS	17,315,732		66	NORTH CAROLINA STATE	7,215,356
	10	CORNELL	16,464,418		67	WESTERN ONTARIO	7,130,876
2	11	WISCONSIN	15,784,676	11	68	MIAMI	6,875,415
	12	ILLINOIS	15,428,361		69	SOUTHERN ILLINOIS	6,785,656
3	13	MINNESOTA	14,956,701		70	TEMPLE	6,782,747
	14	PENNSYLVANIA STATE	14,820,213		71	MASSACHUSETTS	6,782,423
	15	RUTGERS	14,443,513		72	SUNY-STONY BROOK	6,777,927
4	16	OHIO STATE	13,811,139		73	YORK	6,774,073
5	17	NEW YORK	12,801,816		74	HOUSTON	6,757,750
	18	WASHINGTON	12,655,741		75	DELAWARE	6,631,625
	19	NORTH CAROLINA	12,648,539		76	PURDUE	6,602,987
	20	CHICAGO	12,605,029		77	ROCHESTER	6,601,583
	21	PENNSYLVANIA	12,468,646		78	COLORADO	6,575,349
	22	PRINCETON	12,390,223	79	VPI & SU	6,553,325	
	23	CALIF., DAVIS	12,177,242	80	WASHINGTON STATE	6,535,747	
6	24	INDIANA	11,906,464	81	MANITOBA	6,486,400	
	25	VIRGINIA	11,873,220	82	CALIF., RIVERSIDE	6,403,191	
	26	CALIF., SAN DIEGO	11,336,121	83	CASE WESTERN RESERVE	6,265,454	
	27	ARIZONA	11,228,817	84	IOWA STATE	6,074,302	
	28	BRITISH COLUMBIA	11,076,600	85	MCMMASTER	6,069,787	
	29	DUKE	11,073,951	12	86	WATERLOO	5,978,829
7	30	ALBERTA	10,814,712		87	FLORIDA ST.	5,951,851
	31	NORTHWESTERN	10,674,464		88	NEBRASKA	5,941,275
	32	HOWARD	10,556,085		89	OREGON	5,825,800
	33	ARIZONA STATE	10,608,833		90	UTAH	5,810,603
	34	SOUTHERN CALIFORNIA	10,479,608		91	TULANE	5,808,536
	35	JOHNS HOPKINS	10,224,559		92	OKLAHOMA	5,805,954
8	36	MARYLAND	9,932,703		93	SOUTH CAROLINA	5,788,807
	37	FLORIDA	9,875,490		94	TENNESSEE	5,785,671
	38	CALIF., SANTA BARBARA	9,763,294		95	JARTEMOUTH	5,693,262
	39	MICHIGAN STATE	9,723,470	96	NOTRE DAME	5,638,794	
	40	GEORGIA	9,597,769	97	KENT STATE	5,623,444	
	41	KANSAS	9,283,467	98	QUEEN'S	5,604,165	
	42	MCGILL	9,279,089	99	SUNY-ALBANY	5,389,261	
	43	GEORGETOWN	9,161,123	100	SASKATCHEWAN	5,241,180	
	44	CALIF., IRVINE	9,089,029	101	ALABAMA	5,089,297	
	9	45	PITTSBURGH	8,893,988	13	102	OKLAHOMA STATE
46		TEXAS A&M	8,851,483	103		RICE	4,540,456
47		CINCINNATI	8,771,800	104		GUELPH	4,316,590
48		SUNY BUFFALO	8,752,551	105		GEORGIA TECH	4,308,387
49		MIT	8,623,174	106		COLORADO STATE	4,214,993
50		WAYNE STATE	8,682,030				
51		IOWA	8,668,791				

U/A - Unavailable

RANK ORDER TABLE 9: MONOGRAPHICS PURCHASED (VOLUMES)

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

The ranges for the groups below are:

- 1- 100,000 and over
- 2- 90,000-99,999
- 3- 80,000-89,999
- 4- 70,000-79,999
- 5- 60,000-69,999
- 6- 50,000-59,999
- 7- 40,000-49,999
- 8- 30,000-39,999
- 9- 20,000-29,999
- 10- 10,000-19,999
- 11- under 10,000

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	CORNELL	129,755	52	52	SOUTHERN ILLINOIS	27,491
	2	YALE	101,630		53	SOUTH CAROLINA	27,473
3	3	NORTH CAROLINA	85,102	54	TEMPLE	27,169	
	4	4	VIRGINIA	75,452	55	NEBRASKA	26,934
5		ILLINOIS	72,133	56	TEXAS A&M	26,028	
5	6	ARIZONA	69,691	57	MIAMI	25,200	
	7	OHIO STATE	63,516	58	BOSTON	24,893	
	8	BRITISH COLUMBIA	62,727	59	ALABAMA	24,724	
	9	CALIF., SAN DIEGO	62,478	60	KENTUCKY	24,683	
10	10	P. INCETON	60,238	61	MANITOBA	23,663	
	6	11	ARIZONA STATE	59,113	62	KENT STATE	23,637
12		ALBERTA	58,968	63	GUELPH	23,558	
13		MISSOURI	58,631	64	COLORADO	23,029	
14		MICHIGAN STATE	56,734	65	QUEEN'S	22,762	
15		CALIF., DAVIS	55,644	66	SUNY-ALBANY	22,741	
16		DUKE	54,025	67	TENNESSEE	22,577	
17		KANSAS	52,625	68	WASHINGTON STATE	21,31	
7		18	FLORIDA	49,025	69	MIT	21,272
	19	RUIGERS	48,420	70	WASHINGTON U-ST. LOUIS	20,462	
	20	NORTHWESTERN	48,233	10	71	LAVAL	19,605
	21	OREGON	48,120		72	OKLAHOMA STATE	15,505
	22	GEORGETOWN	47,990	73	COLORADO STATE	14,705	
	23	MARYLAND	46,545	74	ROCHESTER	14,677	
	24	CALIF., RIVERSIDE	46,197	75	INDIANA STATE	13,951	
	25	COLUMBIA	46,000	76	CASE WESTERN RESERVE	11,000	
26	BROWN	45,961	11	77	GEORGIA TECH	8,257	
27	NEW YORK	40,937		CALIF., BERKELEY	U/A		
8	28	MCGILL	40,465	CALIF., LOS ANGELES	U/A		
	29	BRIGHAM YOUNG	39,964	CALIF., SANTA BARBARA	U/A		
	30	WESTERN ONTARIO	39,642	CHICAGO	U/A		
	31	CALIF., IRVINE	39,011	CINCINNATI	U/A		
	32	HOWARD	35,030	CONNECTICUT	U/A		
	33	MCMASTER	34,991	DARTMOUTH	U/A		
	34	HOUSTON	34,851	DELAWARE	U/A		
	35	JOHNS HOPKINS	34,825	EMORY	U/A		
	36	SOUTHERN CALIFORNIA	34,692	FLORIDA STATE	U/A		
	37	MASSACHUSETTS	34,339	GEORGIA	U/A		
	38	SASKATCHEWAN	34,108	HARVARD	U/A		
	39	WAYNE STATE	33,210	INDIANA	U/A		
	40	WASHINGTON	32,933	IOWA	U/A		
	41	OKLAHOMA	32,425	MICHIGAN	U/A		
	42	VPI & SU	32,382	MINNESOTA	U/A		
	43	NEW MEXICO	32,031	PENNSYLVANIA	U/A		
	44	SYRACUSE	31,261	PENNSYLVANIA STATE	U/A		
	45	TULANE	30,925	PITTSBURGH	U/A		
9	46	WATERLOO	30,753	RICE	U/A		
	47	LOUISIANA STATE	29,811	STANFORD	U/A		
	48	IOWA STATE	29,450	SUNY-BUFFALO	U/A		
	49	NOTRE DAME	29,149	SUNY-STONY BROOK	U/A		
	50	HAWAII	29,641	TEXAS	U/A		
	51	NORTH CAROLINA STATE	27,986	TORONTO	U/A		
				UTAH	U/A		
				VANDERBILT	U/A		
				WISCONSIN	U/A		
				YORK	U/A		

U/A - Unavailable

RANK ORDER TABLE 10: EXPENDITURES FOR MONOGRAPHS

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

Group ranges (in thousands) are:

- | | |
|-------------------|----------------|
| 1- 4,000 and over | 6- 1,500-1,999 |
| 2- 3,500-3,999 | 7- 1,000-1,499 |
| 3- 3,000-3,499 | 8- 500- 999 |
| 4- 2,500-2,999 | 9- under 500 |
| 5- 2,000-2,499 | |

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	CORNELL	4,981,874	52		BROWN	1,117,216
2	2	HARVARD	3,915,495	53		EMORY	1,078,111
	3	CALIF., LOS ANGELES	3,846,191	54		VANDERBILT	1,067,000
	4	TEXAS	3,782,763	55		GEORGIA	1,046,716
3	5	STANFORD	3,441,593	56		SOUTHERN CALIFORNIA	1,023,554
				57		SUNY-STONY BROOK	1,002,979
4	6	MISSOURI	2,795,396	8	58	JOHNS HOPKINS	999,368
	7	COLUMBIA	2,730,950		59	SUNY-BUFFALO	977,072
	8	CALIF., BERKELEY	2,609,273		60	PITTSBURGH	951,847
5	9	ILLINOIS	2,381,217		61	MIAMI	951,333
	10	NORTH CAROLINA	2,173,863		62	WESTERN ONTARIO	917,978
	11	INDIANA	2,149,576		63	SYRACUSE	915,209
	12	TORONTO	2,139,930		64	WASHINGTON	906,852
6	13	MINNESOTA	1,985,091		65	HOUSTON	899,681
	14	ARIZONA STATE	1,957,643		66	NOTRE DAME	898,172
	15	PRINCETON	1,914,377		67	YORK	896,206
	16	VIRGINIA	1,838,802		68	OREGON	892,896
	17	BRIGHAM YOUNG	1,763,374		69	WATERLOO	881,040
	18	CALIF., SAN DIEGO	1,695,550		70	IOWA STATE	880,445
	19	DELAWARE	1,689,022		71	NEBRASKA	860,783
	20	WISCONSIN	1,630,275		72	MCGILL	849,360
	21	PENNSYLVANIA STATE	1,619,850		73	KENTUCKY	844,878
	22	OHIO STATE	1,608,856		74	MANITOBA	838,244
	23	YALE	1,582,900		75	BOSTON	830,226
	24	KANSAS	1,577,587		76	ALABAMA	814,847
	25	NORTHWESTERN	1,576,972		77	QUEEN'S	813,461
	26	ARIZONA	1,559,644		78	MASSACHUSETTS	796,007
	27	PENNSYLVANIA	1,557,189		79	DARTMOUTH	773,057
	28	UTAH	1,541,678		80	SASKATCHEWAN	772,698
	29	MICHIGAN STATE	1,539,043		81	ROCHESTER	767,539
7	30	DUKE	1,498,608		82	OKLAHOMA	765,633
	31	BRITISH COLUMBIA	1,464,378		83	NORTH CAROLINA STATE	752,117
	32	IOWA	1,453,740		84	SOUTH CAROLINA	721,588
	33	CALIF., DAVIS	1,443,797		85	ALBERTA	718,931
	34	UTAH	1,428,497		86	PURDUE	708,359
	35	VPI & SU	1,336,387		87	NEW MEXICO	704,245
	36	FLORIDA	1,325,423		88	SOUTHERN ILLINOIS	678,027
	37	TEMPLE	1,305,129		89	MIT	672,312
	38	WAYNE STATE	1,304,427		90	WASHINGTON U-ST. LOUIS	648,188
	39	NEW YORK	1,287,459		91	TENNESSEE	629,816
	40	MARYLAND	1,284,250		92	COLORADO	623,359
	41	CALIF., IRVINE	1,262,772		93	LAVAL	621,632
	42	CALIF., RIVERSIDE	1,252,247		94	WASHINGTON STATE	612,617
	43	LOUISIANA STATE	1,244,466		95	SUNY-ALBANY	589,589
	44	HOWARD	1,219,077		96	KENT STATE	516,815
	45	MCMASTER	1,217,630	9	97	GUELPH	506,174
	46	CINCINNATI	1,184,463		98	COLORADO STATE	503,038
	47	GEORGETOWN	1,183,061				
	48	FLORIDA STATE	1,174,010		99	OKLAHOMA STATE	441,199
	49	TULANE	1,170,363		100	CASE WESTERN RESERVE	411,995
	50	TEXAS A&M	1,147,241		101	GEORGIA TECH	295,658
	51	HAWAII	1,120,645			CALIF., SANTA BARBARA	U/A
						CHICAGO	U/A
						CONNECTICUT	U/A
						MICHIGAN	U/A
						RICE	U/A

U/A - Unavailable

RANK ORDER TABLE 11: SERIALS PURCHASED (TITLES)

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

The ranges for the groups below are:

- | | |
|--------------------|------------------|
| 1- 50,000 and over | 4- 20,000-29,999 |
| 2- 40,000-49,999 | 5- 10,000-19,999 |
| 3- 30,000-39,999 | 6- under 10,000 |

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value	
1	1	CORNELL	58,504	53	TENNESSEE	12,321		
2	2	CALIF., DAVIS	42,038	54	MASSACHUSETTS	12,190		
	3	GEORGIA	41,991	55	MANITOBA	11,463		
3	4	YALE	36,650	56	ROCHESTER	11,060		
	5	IOWA	34,628	57	LAVAL	10,295		
	6	MICHIGAN	33,418	58	BRIGHAM YOUNG	10,223		
	7	TORONTO	32,401	6	59	CALIF., RIVERSIDE	9,970	
	8	ARIZONA	31,550		60	MIT	9,730	
9	COLUMBIA	30,665	61		MCMASTER	9,545		
4	10	MINNESOTA	28,610		62	WATERLOO	9,502	
	11	HAWAII	26,960		63	OKLAHOMA STATE	9,238	
	12	NEW YORK	26,507		64	COLORADO STATE	8,445	
	13	FLORIDA	25,727		65	KENT STATE	8,875	
	14	HOWARD	24,118			ARIZONA STATE	U/A	
	15	NORTH CAROLINA	23,869		CALIF., BERKELEY	U/A		
	16	OHIO STATE	22,708		CALIF., LOS ANGELES	U/A		
	17	HOUSTON	21,698		CALIF., SAN DIEGO	U/A		
	18	KANSAS	21,642		CALIF., SANTA BARBARA	U/A		
	19	SOUTHERN ILLINOIS	21,473		CHICAGO	U/A		
20	ALBERTA	20,199		CINCINNATI	U/A			
5	21	VIRGINIA	19,768		CONNECTICUT	U/A		
	22	BRITISH COLUMBIA	19,462		DELAWARE	U/A		
	23	SUNY-BUFFALO	18,959		DUKE	U/A		
	24	GEORGIA TECH	18,786		EMORY	U/A		
	25	LOUISIANA STATE	17,970		FLORIDA STATE	U/A		
	26	BOSTON	17,675		GEORGETOWN	U/A		
	27	PURDUE	17,660		GUELPH	U/A		
	28	MARYLAND	17,341		HARVARD	U/A		
	29	VPI & SU	17,214		ILLINOIS	U/A		
	30	OKLAHOMA	16,736		INDIANA	U/A		
	31	DARTMOUTH	16,427		KENTUCKY	U/A		
	32	WAYNE STATE	16,198		MIAMI	U/A		
	33	NOTRE DAME	16,162		NEBRASKA	U/A		
	34	MICHIGAN STATE	15,919		NEW MEXICO	U/A		
	35	JOHNS HOPKINS	15,630		NORTHWESTERN	U/A		
	36	TEXAS A&M	15,603		PENNSYLVANIA	U/A		
	37	SOUTH CAROLINA	15,578		PENNSYLVANIA STATE	U/A		
	38	QUEEN'S	15,562		PITTSBURGH	U/A		
	39	ALABAMA	15,482		PRINCETON	U/A		
	40	CALIF., IRVINE	14,958		RICE	U/A		
	41	OREGON	14,949		RUTGERS	U/A		
	42	SOUTHERN CALIFORNIA	14,835		SASKATCHEWAN	U/A		
	43	MCGILL	14,555		STANFORD	U/A		
	44	TEMPLE	13,717		SUNY-STONY BROOK	U/A		
	45	MISSOURI	13,659		SYRACUSE	U/A		
	46	IOWA STATE	13,599		TEXAS	U/A		
	47	WASHINGTON STATE	13,454		TULANE	U/A		
	48	SUNY-ALBANY	13,300		UTAH	U/A		
	49	COLORADO	13,292		VANDERBILT	U/A		
	50	BROWN	13,234		WASHINGTON	U/A		
	51	CASE WESTERN RESERVE	12,686		WASHINGTON U-ST. LOUIS	U/A		
	52	NORTH CAROLINA STATE	12,567		WESTERN ONTARIO	U/A		
				WISCONSIN	U/A			
				YORK	U/A			

U/A - Unavailable

RANK ORDER TABLE 12: EXPENDITURES FOR SERIALS

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

Group Ranges (in thousands) are:

1- 2,700 and over	7- 1,500-1,699
2- 2,500-2,699	8- 1,300-1,499
3- 2,300-2,499	9- 1,100-1,299
4- 2,100-2,299	10- 900-1,099
5- 1,900-2,099	11- 700- 899
6- 1,700-1,899	12- under 700

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	HARVARD	3,444,002	8	53	KENTUCKY	1,475,825
	2	CALIF., LOS ANGELES	3,003,979		54	MICHIGAN STATE	1,465,066
	3	CALIF., BERKELEY	2,878,556		55	VANDERBILT	1,463,076
2	4	GEORGIA	2,660,530		56	SOUTHERN ILLINOIS	1,456,992
	5	MICHIGAN	2,595,949		57	IOWA STATE	1,435,994
	6	STANFORD	2,502,061		58	COLORADO	1,426,176
3	7	TEXAS	2,498,314		59	NORTH CAROLINA STATE	1,419,969
	8	TORONTO	2,474,652		60	FLORIDA STATE	1,389,858
	9	WASHINGTON	2,457,310		61	EMORY	1,378,980
	10	CALIF., DAVIS	2,455,241		62	NEW MEXICO	1,370,204
	11	ILLINOIS	2,437,957		63	SOUTH CAROLINA	1,364,973
	12	ARIZONA	2,424,261		64	MIT	1,363,005
	13	MINNESOTA	2,370,013	65	MISSOURI	1,361,375	
4	14	OHIO STATE	2,297,934	66	CONNECTICUT	1,360,071	
	15	ARIZONA STATE	2,267,702	67	TENNESSEE	1,346,206	
	16	WISCONSIN	2,251,247	68	ALABAMA	1,344,912	
	17	YALE	2,206,400	69	HOUSTON	1,344,221	
	18	HOWARD	2,165,168	70	CALIF., SANTA BARBARA	1,332,640	
	19	IOWA	2,118,314	71	HAWAII	1,327,462	
5	20	PENNSYLVANIA STATE	2,085,880	72	OKLAHOMA	1,322,062	
	21	COLUMBIA	1,995,547	9	73	CALIF., SAN DIEGO	1,275,474
	22	DUKE	1,924,122		74	TULANE	1,268,950
	23	NORTH CAROLINA	1,918,056		75	MIAMI	1,263,216
	6	24	LOUISIANA STATE		1,897,212	76	SUNY-STONY BROOK
25		ALBERTA	1,865,921		77	DELAWARE	1,240,787
26		SOUTHERN CALIFORNIA	1,828,598		78	MCGILL	1,239,952
27		PRINCETON	1,823,342		79	CASE WESTERN RESERVE	1,239,597
28		VIRGINIA	1,813,362		80	MCMASTER	1,235,859
29		CHICAGO	1,779,105		81	SASKATCHEWAN	1,214,875
30		SYRACUSE	1,774,950		82	OREGON	1,212,073
31		TEXAS A&M	1,763,036		83	GEORGETOWN	1,206,460
32		NORTHWESTERN	1,738,873	84	VPI & SU	1,164,939	
33		BRITISH COLUMBIA	1,705,859	85	DARTMOUTH	1,176,957	
34	KANSAS	1,700,432	86	TEMPLE	1,115,523		
7	35	INDIANA	1,651,253	87	MANITOBA	1,108,788	
	36	FLORIDA	1,642,796	88	SUNY-ALBANY	1,104,320	
	37	NEW YORK	1,626,761	89	MASSACHUSETTS	1,103,882	
	38	MARYLAND	1,624,717	10	90	WAYNE STATE	1,086,662
	39	WESTERN ONTARIO	1,605,879		91	NOTRE DAME	1,077,027
	40	PURDUE	1,586,595		92	WATERLOO	1,068,271
	41	NEBRASKA	1,586,297		93	LAVAL	1,046,098
	42	PITTSBURGH	1,580,769		94	QUEEN'S	1,015,228
	43	BOSTON	1,569,746		95	BROWN	1,011,939
	44	WASHINGTON U-ST. LOUIS	1,565,084		96	OKLAHOMA STATE	1,007,637
	45	SUNY-BUFFALO	1,563,204		97	B'GHAM YOUNG	984,062
	46	WASHINGTON STATE	1,557,054		98	YORK	982,747
	47	ROCHESTER	1,549,120	11	99	CALIF., RIVERSIDE	870,577
	48	RUTGERS	1,547,481		100	GUELPH	820,216
	49	PENNSYLVANIA	1,547,416		101	GEORGIA TECH	797,926
	50	CINCINNATI	1,524,677	12	102	UTAH	670,580
	51	CALIF., IRVINE	1,521,500		103	COLORADO STATE	659,669
	52	JOHNS HOPKINS	1,517,724		104	KENT STATE	618,555
					CORNEL'	U/A	
					RICE	U/A	

RANK ORDER TABLE 13: TOTAL ITEMS LOANED

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

The ranges for the groups below are:

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

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value	
1	1	MINNESOTA	173,493	52	52	GEORGIA TECH	16,277	
	2	ILLINOIS	122,803		53	RICE	16,211	
	3	WASHINGTON	102,109		54	MIT	16,092	
	4	WISCONSIN	89,214		55	MIAMI	15,214	
	5	CALIF., LOS ANGELES	55,299		56	WASHINGTON STATE	15,201	
2	6	SOUTHERN ILLINOIS	49,570	9	57	CALIF., SAN DIEGO	14,622	
	7	CHICAGO	45,254		58	COLORADO	14,537	
3	8	IOWA	44,763		59	VANDERBILT	13,900	
	9	KANSAS	41,500		60	NEW MEXICO	13,739	
4	10	CALIF., BERKELEY	39,620		61	NORTHWESTERN	13,722	
	11	HARVARD	39,007		62	JOHNS HOPKINS	13,700	
	12	CASE WESTERN RESERVE	38,589		63	SOUTH CAROLINA	13,570	
	13	ARIZONA	36,177		64	TEXAS	13,477	
	14	TEXAS A&M	36,126		65	PENNSYLVANIA	12,868	
	15	OHIO STATE	35,643		66	ALBERTA	12,617	
	16	MCGILL	35,455		67	PURDUE	12,581	
	5	17	CALIF., DAVIS		30,751	68	MASSACHUSETTS	12,350
6		18	INDIANA		29,589	69	KENT STATE	11,894
		19	GEORGIA		28,401	70	CALIF., IRVINE	11,410
		20	MICHIGAN		28,295	71	LAVAL	11,271
		21	CORNELL	28,176	72	MANITOBA	11,179	
		22	FLORIDA	28,044	73	DARTMOUTH	11,125	
		23	COLUMBIA	28,006	74	MARYLAND	11,053	
		24	NORTH CAROLINA STATE	27,879	75	LOUISIANA STATE	10,695	
		25	DUKE	27,594	76	OREGON	10,606	
		26	MISSOURI	26,549	77	NEBRASKA	10,390	
	27	OKLAHOMA	25,970	78	COLORADO STATE	10,196		
	28	CINCINNATI	25,386	79	NEW YORK	10,074		
	7	29	SUNY-BUFFALO	24,963	10	80	HOUSTON	9,774
		30	PITTSBURGH	24,770		81	TEMPLE	9,627
		31	CONNECTICUT	24,283		82	HAWAII	9,621
		32	EMORY	24,237		83	OKLAHOMA STATE	9,401
		33	NORTH CAROLINA	24,210		84	UTAH	9,313
34		TENNESSEE	24,000	85		WESTERN ONTARIO	9,050	
35		ARIZONA STATE	22,764	86		DELAWARE	8,844	
36		FLORIDA STATE	22,342	87		TULANE	8,711	
37		VIRGINIA	21,226	88		BROWN	8,623	
38		ROCHESTER	20,918	89		MCMASTER	8,416	
39		STANFORD	20,569	90		BRIGHAM YOUNG	8,223	
8	40	WAYNE STATE	19,880	91		NOTRE DAME	7,748	
	41	TORONTO	19,822	92		SASKATCHEWAN	7,481	
	42	PENNSYLVANIA STATE	19,621	93		YORK	7,366	
	43	WASHINGTON U-ST. LOUIS	19,282	94	YALE	7,360		
	44	IOWA STATE	19,132	95	MICHIGAN STATE	7,351		
	45	SUNY-STONY BROOK	19,125	96	PRINCETON	7,176		
	46	BOSTON	18,987	97	CALIF., RIVERSIDE	6,634		
	47	SUNY-ALBANY	18,800	98	ALABAMA	6,555		
	48	KENTUCKY	18,610	99	WATERLOO	6,317		
	49	VPI & SU	18,297	100	CALIF., SANTA BARBARA	6,210		
	50	RUTGERS	17,865	101	GEORGETOWN	5,848		
	51	BRITISH COLUMBIA	16,694	102	SYRACUSE	5,605		
11				103	QUEEN'S	5,459		
				104	SOUTHERN CALIFORNIA	3,348		
				105	HOWARD	2,859		
				106	GUELPH	2,772		

U/A - Unavailable

RANK ORDER TABLE 14: TOTAL ITEMS BORROWED

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

The ranges for the groups below are:

- 1- 18,000 and over
- 2- 16,000-17,999
- 3- 14,000-15,999
- 4- 12,000-13,999
- 5- 10,000-11,999
- 6- 8,000-9,999
- 7- 6,000-7,999
- 8- 4,000-5,999
- 9- 2,000-3,999
- 10- under 2,000

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	ILLINOIS	144,760	8	52	PITTSBURGH	7,101
	2	BOSTON	34,111		53	ARIZONA	7,050
	3	WISCONSIN	18,758		54	CALIF., DAVIS	7,047
	4	OKLAHOMA	18,106		55	NEW YORK	6,846
2	5	KANSAS	17,707		56	MCMASTER	6,822
	6	CALIF., BERKELEY	16,554		57	ROCHESTER	6,777
3	7	JOHNS HOPKINS	14,358		58	TULANE	6,650
4	8	PENNSYLVANIA	13,855		59	QUEEN'S	6,616
	9	MICHIGAN	13,302		60	CALIF., SAN DIEGO	6,572
	10	TEXAS A&M	12,952		61	DARTMOUTH	6,543
	11	MINNESOTA	12,322	61	KENT STATE	6,543	
5	12	SASKATCHEWAN	11,676	63	MANITOBA	6,480	
	13	ALBERTA	10,899	64	SOUTH CAROLINA	6,392	
	14	MIAMI	10,853	65	PRINCETON	6,370	
	15	LAVAL	10,792	66	FLORIDA	6,184	
	16	OHIO STATE	10,566	67	SUNY-STONY BROOK	6,021	
	17	CONNECTICUT	10,333	9	68	CHICAGO	5,787
	18	PENNSYLVANIA STATE	10,112		69	IOWA STATE	5,724
	19	CORNELL	10,063		70	NOTRE DAME	5,661
	20	UTAH	10,020		71	OREGON	5,549
	6	21	CALIF., LOS ANGELES		9,881	72	EMORY
22		RUTGERS	9,839		73	FLORIDA STATE	5,471
23		COLORADO STATE	9,743		74	WASHINGTON	5,225
24		KENTUCKY	9,560		75	SOUTHERN ILLINOIS	5,265
25		CALIF., SANTA BARBARA	9,555		76	PURDUE	5,084
26		MCGILL	9,552		77	WATERLOO	4,969
27		BRIGHAM YOUNG	9,544	78	MICHIGAN STATE	4,950	
28		NORTHWESTERN	9,467	79	GEORGIA	4,936	
29		SUNY-ALBANY	9,390	80	NEBRASKA	4,932	
30		INDIANA	9,364	81	BROWN	4,924	
31		HARVARD	9,287	82	TEMPLE	4,913	
32		TORONTO	9,035	83	LOUISIANA STATE	4,802	
33		BRITISH COLUMBIA	9,014	84	OKLAHOMA STATE	4,549	
34		CINCINNATI	8,819	85	SYRACUSE	4,516	
35		COLORADO	8,455	86	GUELPH	4,111	
36		CALIF., RIVERSIDE	8,286	87	NORTH CAROLINA STATE	4,310	
37	WASHINGTON U-ST. LOUIS	8,253	88	YALE	4,285		
38	VIRGINIA	8,173	89	DUKE	4,274		
7	39	HOUSTON	7,950	90	NORTH CAROLINA	4,220	
	40	TEXAS	7,934	10	91	ALABAMA	3,943
	41	IOWA	7,926		92	TENNESSEE	3,906
	42	CALIF., IRVINE	7,878		93	GEORGETOWN	3,840
	43	NEW MEXICO	7,855		94	YORK	3,710
	44	ARIZONA STATE	7,714		95	VPI & SU	3,574
	45	SUNY-BUFFALO	7,650		96	MIT	3,319
	46	MASSACHUSETTS	7,594		97	WASHINGTON STATE	3,282
	47	MISSOURI	7,575		98	MARYLAND	3,006
	48	VANDERBILT	7,376		99	DELAWARE	2,926
	49	STANFORD	7,361		100	WESTERN ONTARIO	2,885
	50	COLUMBIA	7,296		101	RICE	2,599
	51	CASE WESTERN RESERVE	7,193		102	SOUTHERN CALIFORNIA	2,239
			103		GEORGIA TECH	2,196	
			104	HAWAII	2,132		
			105	WAYNE STATE	1,782		
			106	HOWARD	914		

U/A - Unavailable

RANK ORDER TABLE 15: PROFESSIONAL STAFF (FTE)

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

The ranges for the groups below are:

1- 225 and over	6- 100-124
2- 200-224	7- 75- 99
3- 175-199	8- 50- 74
4- 150-174	9- 25- 49
5- 125-149	

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	HARVARD	318	51	51	LOUISIANA STATE	67
2	2	CALIF., LOS ANGELES	206	51	51	NEW MEXICO	67
4	3	CALIF., BERKELEY	173	51	51	SYRACUSE	67
	4	YALE	171	51	51	WASHINGTON U.-ST. LOUIS	67
	5	CORNELL	166	55	55	CALIF., SAN DIEGO	66
	6	TORONTO	155	55	55	CASE WESTERN RESERVE	66
	7	STANFORD	154	57	57	MIAMI	65
	8	COLUMBIA	151	57	57	TEXAS A&M	65
5	9	MICHIGAN	145	57	57	VANDERBILT	65
	10	TEXAS	140	60	60	BOSTON	64
	11	WISCONSIN	131	60	60	KENTUCKY	64
	12	ILLINOIS	127	62	62	CONNECTICUT	63
6	13	WASHINGTON	119	62	62	ROCHESTER	63
	14	SOUTHERN CALIFORNIA	117	64	64	HAWAII	62
	15	NORTH CAROLINA	114	65	65	SUNY-ALBANY	61
	16	PENNSYLVANIA STATE	112	66	66	EMORY	60
	17	PENNSYLVANIA	111	67	67	SOUTH CAROLINA	59
	18	INDIANA	109	68	68	MISSOURI	58
	19	OHIO STATE	108	69	69	CALIF., SANTA BARBARA	57
	20	NEW YORK	106	69	69	MANITOBA	57
	21	BRITISH COLUMBIA	103	69	69	SOUTHERN ILLINOIS	57
	21	NORTHWESTERN	103	69	69	WAYNE STATE	57
	23	MINNESOTA	101	73	73	FLORIDA STATE	56
7	24	RUTGERS	99	73	73	MASSACHUSETTS	56
	25	PRINCETON	97	73	73	VPI & SU	56
	26	ARIZONA	96	76	76	TENNESSEE	55
	26	DUKE	96	76	76	WESTERN ONTARIO	55
	26	FLORIDA	96	78	78	NEBRASKA	54
	29	VIRGINIA	92	79	79	SUNY-STONY BROOK	52
	30	SUNY-BUFFALO	91	80	80	ALABAMA	51
	31	BRIGHAM YOUNG	88	80	80	TULANE	51
	31	JOHNS HOPKINS	88	82	82	DELAWARE	50
	33	MIT	87	82	82	OREGON	50
	33	PITTSBURGH	87	9	84	GEORGIA TECH	49
	35	HOWARD	86	84	84	OKLAHOMA	49
	36	ALBERTA	85	84	84	UTAH	49
	37	KANSAS	83	84	84	YORK	49
	38	MARYLAND	82	88	88	IOWA STATE	48
	39	IOWA	81	89	89	COLORADO	47
	40	CINCINNATI	79	89	89	HOUSTON	47
	40	GEORGIA	79	91	91	CALIF., IRVINE	46
	42	MCGILL	78	92	92	WASHINGTON STATE	44
	43	CHICAGO	77	92	92	WATERLOO	44
	43	MICHIGAN STATE	77	94	94	COLORADO STATE	43
8	45	ARIZONA STATE	74	94	94	PURDUE	43
	46	BROWN	73	96	96	NORTH CAROLINA STATE	42
	46	GEORGETOWN	73	97	97	DARTMOUTH	41
	46	LAVAL	73	97	97	OKLAHOMA STATE	41
	49	CALIF., DAVIS	72	99	99	NOTRE DAME	40
	50	TEMPLE	68	99	99	QUEEN'S	40
				101	101	MCMASTER	39
				102	102	KENT STATE	38
				102	102	RICE	38
				104	104	SASKATCHEWAN	36
				105	105	GUELPH	33
				106	106	CALIF., RIVERSIDE	32

U/A - Unavailable

RANK ORDER TABLE 16: NONPROFESSIONAL STAFF (FTE)

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

The ranges for the groups below are:

- | | |
|-----------------|------------|
| 1- 450 and over | 6- 200-249 |
| 2- 400-449 | 7- 150-199 |
| 3- 350-399 | 8- 100-149 |
| 4- 300-349 | 9- 50- 99 |
| 5- 250-299 | |

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	HARVARD	575	52	52	CALIF., SANTA BARBARA	139
	2	TORONTO	462		52	MCHASTER	139
3	3	TEXAS	376	54	YORK	135	
	4	4	YALE	348	55	TENNESSEE	134
		5	STANFORD	339	56	MICHIGAN STATE	131
6	6	CORNELL	328	57	KANSAS	129	
	7	CALIF., LOS ANGELES	307	58	KENTUCKY	127	
	8	MICHIGAN	306	59	MISSOURI	126	
	9	COLUMBIA	302	60	CINCINNATI	125	
	5	10	CALIF., BERKELEY	292	60	WASHINGTON U-ST. LOUIS	125
		11	ILLINOIS	288	62	EMORY	124
12		ALBERTA	280	63	MIAMI	121	
13		PENNSYLVANIA STATE	278	64	LOUISIANA STATE	117	
14		BRITISH COLUMBIA	275	65	NORTH CAROLINA STATE	116	
6		15	RUTGERS	240	65	SUNY-BUFFALO	116
		16	PRINCETON	229	65	SUNY-STONY BROOK	116
		17	WISCONSIN	226	65	TEMPLE	116
	18	WASHINGTON	224	65	VANDERBILT	116	
	19	INDIANA	218	70	SASKATCHEWAN	115	
	20	MCGILL	209	71	GEORGETOWN	112	
	21	WESTERN ONTARIO	207	71	IOWA STATE	112	
	22	NORTH CAROLINA	204	71	MASSACHUSETTS	112	
	23	OHIO STATE	203	71	SOUTH CAROLINA	112	
	7	24	CHICAGO	199	71	WAYNE STATE	112
		25	VIRGINIA	196	76	NEBRASKA	110
		26	LAVAL	190	77	GUELPH	109
		27	ARIZONA STATE	188	77	UTAH	109
		28	CALIF., DAVIS	187	77	WASHINGTON STATE	109
28		JOHNS HOPKINS	187	80	NOTRE DAME	106	
30		MINNESOTA	186	80	ROCHESTER	106	
31		NEW YORK	183	82	DARTMOUTH	105	
32		ARIZONA	179	82	VPI & SU	105	
33		PENNSYLVANIA	177	84	BROWN	104	
34		DUKE	173	84	HOUSTON	104	
34		GEORGIA	173	86	COLORADO	100	
36		PURDUE	168	86	CONNECTICUT	100	
37		PITTSBURGH	167	9	88	IOWA	99
38		CALIF., SAN DIEGO	162		88	TULANE	99
39		SOUTHERN CALIFORNIA	157		90	HAWAII	98
40		MIT	155		91	CALIF., IRVINE	97
41		MANITOBA	153		91	FLORIDA STATE	97
41		QUEEN'S	153		91	SOUTHERN ILLINOIS	97
43		MARYLAND	150		94	DELAWARE	96
8	44	FLORIDA	148		95	KENT STATE	94
	44	NORTHWESTERN	148		96	OREGON	89
	44	WATERLOO	148		97	CALIF., RIVERSIDE	83
	47	TEXAS A&M	147		97	CASE WESTERN RESERVE	83
	48	BOSTON	146		99	OKLAHOMA	80
	48	NEW MEXICO	146		100	COLORADO STATE	75
	50	HOWARD	145		100	SUNY-ALBANY	75
	51	SYRACUSE	141	102	RICE	72	
				103	OKLAHOMA STATE	70	
				104	ALABAMA	68	
				105	GEORGIA TECH	50	
			106	BRIGHAM YOUNG	44		

U/A - Unavailable

RANK ORDER TABLE 17: TOTAL STAFF

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

The ranges for the groups below are:

1- 650 and over	7- 350-395
2- 600-649	8- 300-349
3- 550-599	9- 250-299
4- 500-549	10- 200-249
5- 450-499	11- 150-199
6- 400-449	12- 100-149

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	HARVARD	1,044	10	52	HOWARD	265
	2	CALIF., BERKELEY	750		53	PURDUE	264
	3	TORONTO	735		54	NEW MEXICO	262
	4	CALIF., LOS ANGELES	695		55	KENTUCKY	261
2	5	YALE	636		56	IOWA	259
3	6	COLUMBIA	597		56	TEMPLE	259
	7	TEXAS	585		58	MISSOURI	246
	8	STANFORD	584		58	SOUTHERN ILLINOIS	246
	9	MICHIGAN	576		60	MIAMI	243
	10	ILLINOIS	556		60	SYRACUSE	243
	11	CORNELL	552	62	ROCHESTER	240	
4	12	WISCONSIN	511	63	CALIF., SANTA BARBARA	239	
	13	INDIANA	509	64	YORK	238	
5	14	OHIO STATE	469	65	VANDERBILT	237	
	15	RUTGERS	465	66	MANITOBA	235	
	16	WASHINGTON	464	67	WASHINGTON U-ST. LOUIS	231	
	17	PENNSYLVANIA STATE	457	67	WAYNE STATE	231	
6	18	BRITISH COLUMBIA	425	69	EMORY	230	
	19	MINNESOTA	417	69	FLORIDA STATE	230	
	20	NORTH CAROLINA	408	69	TENNESSEE	230	
	21	ALBERTA	402	72	BROWN	229	
	7	22	FLORIDA	386	73	UTAH	226
23		PRINCETON	379	74	CONNECTICUT	225	
24		SOUTHERN CALIFORNIA	377	75	HAWAII	223	
25		PENNSYLVANIA	373	76	HOUSTON	222	
26		ARIZONA	365	77	WATERLOO	220	
27		JOHNS HOPKINS	358	78	SUNY-STONY BROOK	218	
27		NEW YORK	358	79	QUEEN'S	216	
29		CHICAGO	357	80	MASSACHUSETTS	213	
30		GEORGIA	354	80	NORTH CAROLINA STATE	213	
8		31	VIRGINIA	344	82	CALIF., IRVINE	211
		32	NORTHWESTERN	343	82	IOWA STATE	211
		33	PITTSBURGH	333	84	WASHINGTON STATE	209
		34	ARIZONA STATE	326	85	NEBRASKA	207
		35	MICHIGAN STATE	325	86	SOUTH CAROLINA	204
	36	MCGILL	323	87	COLORADO	203	
	37	MARYLAND	318	88	OREGON	200	
	38	DUKE	317	11	89	MCMASTER	193
	39	CALIF., DAVIS	316		89	VPI & SU	193
	40	WESTERN ONTARIO	310		91	TULANE	188
	41	CALIF., SAN DIEGO	300		92	KENT STATE	184
	9	42	BOSTON		299	93	OKLAHOMA
43		BRIGHAM YOUNG	298		94	DARTMOUTH	182
43		TEXAS A&M	298		95	CASE WESTERN RESERVE	180
45		KANSAS	294		96	DELAWARE	177
46		CINCINNATI	283		96	NOTRE DAME	177
47		MIT	280		98	SASKATCHEWAN	171
48		GEORGETOWN	273		99	ALABAMA	170
49		LOUISIANA STATE	272		100	OKLAHOMA STATE	167
49		SUNY-BUFFALO	272		101	GUELPH	157
51		LAVAL	269		102	SUNY-ALBANY	156
12		103	CALIF., RIVERSIDE	146	103	CALIF., RIVERSIDE	146
	104	RICE	144	104	RICE	144	
	105	COLORADO STATE	141	105	COLORADO STATE	141	
					GEORGIA TECH	111	

U/A - Unavailable

ARL STATISTICS 1985-86

Instructions for Completion of the Questionnaire

1. Definitions of the statistical categories used in this questionnaire can be found in American National Standard for Library and Information Sciences and Related Publishing Practices - Library Statistics. Z39.7-1983. (New York, American National Standards Institute, 1983.)
2. The questionnaire assumes a fiscal year ending June 30, 1986. If your fiscal year is different, please provide a footnote on p. 4 of the questionnaire.
3. All figures should be rounded to the nearest whole number, except for Hours in work week (p. 3 of questionnaire).
4. If the appropriate answer is "0" or none, use "0." If an exact figure is unavailable, use "U/A." If a question is not applicable, use "N/A."
5. In a university which includes both main and branch campuses, an effort should be made to report figures for the main campus only. (The U.S. National Center for Education Statistics in its Higher Education General Information Survey described a branch campus as one "located in a community different from that of its parent institution ... beyond a reasonable commuting distance from the main campus ... The educational activities at the location must be organized on a relatively permanent basis ... and include course offerings for one or more complete college-level programs of at least one full year.") If figures for libraries located on branch campuses are reported, please provide an explanatory footnote on p. 4 of the questionnaire.
6. A branch library is defined as an auxiliary library service outlet with quarters separate from the central library of a system, which has a basic collection of books and other materials, a regular staffing level, and an established schedule. A branch library is administered either by the central library or (as in the case of some law and medical libraries) through the administrative structure of other units within the university. Departmental study/reading rooms are not included.
7. Questions 1-5. Use the ANSI Z39.7-1983 definition for "Volume" as follows:

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

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



8. Question 2. Include only volumes cataloged, classified, and made ready for use.
9. Question 6. Report number of volumes purchased. Include all volumes for which an expenditure was made during 1985-86, including volumes paid for in advance but not received during the fiscal year. Include monographs in series and continuations. If only number of titles purchased can be reported, please report the data and provide an explanatory footnote on p. 4 of the questionnaire. Note: this question is concerned with volumes purchased rather than volumes received or cataloged. Question 15 requests the expenditure for the volumes counted here.
10. Questions 7-9. Include duplicate subscriptions and only those government document serials that are cataloged, classified, and shelved as part of the general collection; do not include government documents serials that are housed in a separate government documents collection. Exclude monographs and publishers' series. A serial is

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

11. Question 10. Include number of reels of microfilm, number of microcards, and number of microprint and microfiche sheets. Exclude government document microforms.
12. Questions 11-14 - Personnel. Report the number of staff in filled positions, or positions which are only temporarily vacant. Include cost recovery positions and staff hired for special projects and grants, but provide an explanatory footnote indicating the number of such staff. If such staff cannot be included, provide a footnote on p. 4 of the questionnaire. The number of FTE staff should be determined on the basis of the length of the work week in the reporting library. Round figures to the nearest whole numbers. Please give the number of hours in the work week on p. 4 of the questionnaire.
13. Question 11. Since the criteria for determining professional status vary among libraries, there is no attempt to define the term "professional." Each library should report those staff members it considers professional, including, when appropriate, staff who are not librarians in the strict sense of the term, such as computer experts, systems analysts, budget officers, etc.
14. Questions 15-26 - Expenditures. Report all expenditures of funds that come to the library from the regular institutional budget and from other sources, such as research grants, special projects, gifts and endowments, and fees for service.

Canadian libraries should report expenditures in both Canadian and U.S. dollars. To determine figures in U.S. dollars, divide Canadian dollar amounts by 1.3817, the average monthly noon exchange rate published in the Bank of Canada Review for the period July 1985 - June 1986.

15. Question 15. Include here expenditures for volumes reported on line 6.
16. Question 16. Exclude monographic and publishers' series.

17. Question 17. Include all materials except monographs and current serials, e.g. microforms, backfiles of serials, charts and maps, audiovisual materials, manuscripts, electronic media, etc.
18. Question 18. Include any other materials funds expenditures not included in questions 15-17, e.g., expenditures for bibliographic utilities, literature searching, security devices, memberships for the purposes of publications, etc. Please list categories, with amounts, in a footnote . p. 4 of the questionnaire.
19. Question 20. Include only contract expenditures. If all binding is done in-house, state this fact and give in-house expenditures in a footnote on p. 4 of the questionnaire; do not include personnel expenditures.
20. Questions 21-24. Exclude fringe benefits.
21. Questions 23-24. Report 100% of student wages. Include federal and local funds for work study students, regardless of budgetary source of funds.
22. Question 25. Exclude expenditures for buildings, maintenance, and fringe benefits.
23. Questions 27-28. Include both original materials and photocopies in lieu of originals.
24. Questions 29-30 - Ph.D. Degrees. Please note that only the number of Ph.D. degrees are to be counted. Statistics on all other advanced degrees (e.g., D.Ed., D.P.A., M.D., J.D.) are not included in this survey. If you are unable to provide a figure for Ph.D.s only, please note this in a footnote on p. 4 of the questionnaire.
25. Question 30. For the purposes of this report, Ph.D. fields are defined as the specific discipline specialties formerly enumerated in the form used by the U.S. Department of Education entitled, "Higher Education General Information Survey, Degrees . . . Conferred," designated as NCES Form 2300-2.1A-1.

Although the HEGIS form requested figures for all doctoral degrees, only fields in which Ph.D.s are awarded should be reported on the ARL questionnaire. Any exceptions should be noted in a footnote on p. 4 of the questionnaire.

26. Questions 31-34 - Enrollment. U.S. libraries should use the 1985-86 enrollment figures reported to the Department of Education on the form entitled "Higher Education General Information Survey XX, Fall Enrollment and Compliance Report . . . 1985," designated as NCES Form 2300-2.3A. The line and column numbers on the HEGIS form for each category are noted on the questionnaire. Please check these figures against the enrollment figures reported to ARL in 1985 to ensure consistency and accuracy.
27. Question 35 - Faculty. U.S. libraries should report the number of faculty for the academic year 1985-86 that were reported to the Department of Education on HEGIS form 2300-3, line 7, column: 1 plus 4, and line 14, columns 1 plus 4. This form was entitled "Salaries, Tenure, and Fringe Benefits of Full-time Instructional Faculty" for 1985-86. Instructional faculty are defined as those members of the Instructional/Research staff who are employed on a full-time basis and whose major regular assignment is instruction, including those with released time for research.
28. Reporting libraries are urged to record in the footnote section any information that would clarify the figures submitted, e.g., the inclusion of branch campus libraries.

Explanatory footnotes will be included with the published statistics. Please make an effort to word your footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret your footnotes correctly. For your convenience, a copy of your footnotes from the 1984-85 ARL Statistics is included in the questionnaire. (Please note that the number in parentheses refers to the appropriate column on the Library Data Tables in the published Statistics not to a line number on the questionnaire.) 1984-85 Footnotes are not included on Law and Medical library questionnaires.

29. After the questionnaire has been completed, please compare the figures with those submitted last year. On occasion, an error will be detected because of an unusual difference between numbers submitted this year and those for the preceding year. If an unusual change has occurred, please provide an explanatory footnote on p. 4 of the questionnaire.
30. Return one copy of each questionnaire to the ARL Office by October 15, 1986. If there are any questions about the procedure to be followed in completing these questionnaires, contact the ARL Office. Please be sure the library director has signed the questionnaires before they are returned to the ARL Office.

0740N

ASSOCIATION OF RESEARCH LIBRARIES

1527 New Hampshire Avenue, N.W., Washington, D.C. 20036 (202) 232-2466

ARL STATISTICS QUESTIONNAIRE, 1985-86

If the appropriate answer is "0" or none, use "0." If an exact figure is unavailable, use "U/A." If a question is not applicable, use "N/A."

Reporting Institution _____ Date Returned to ARL _____

Questionnaire Completed by (Name) _____

Position _____ Phone _____

Contact Person (if different) _____

Position _____ Phone _____

COLLECTIONS (See instructions 7-11)

- 1 Volumes held June 30, 1985
(Exclude microforms, uncataloged govt docs maps, a/v material
Record figure reported last year or footnote adjusted figure on p 4) _____
- 2 Volumes added during year – Gross
(Exclude microforms, uncataloged govt docs maps a/v material)
(See instruction 8) _____
- 3 Volumes withdrawn during year
(Exclude microforms, uncataloged govt docs maps a/v material) _____
- 4 Volumes added during year – Net (Subtract line 3 from line 2) _____
- 5 Volumes held June 30 1986 (Add line 1 to line 4) _____
- 6 Number of monographic volumes **purchased**
(Volumes for which expenditures are reported on line 15 Footnote if titles)
(See instruction 9) _____
- 7 Number of current serials including periodicals **purchased**
(See instruction 10) _____
- 8 Number of current serials including periodicals **received but not purchased** (Exchanges gifts, etc.) (See instruction 10) _____
- 9 Total number of current serials received (Add line 7 to line 8) _____
- 10 Total microform units held June 30 1986 (See instruction 11) _____

PERSONNEL (See instructions 12-13) (Round figures to nearest whole number)

- 11 Number of professional staff FTE (See instruction 13) _____
- 12 Number of nonprofessional staff FTE _____
- 13 Number of student assistants FTE _____
- 14 Total FTE staff (Add lines 11 12 13) _____

Dollars Canadian
(Canadian
libraries only)

Dollars U S
(Divide Canadian
dollars by 1.3817)

EXPENDITURES (See instructions 14-22)

- 15 Monographs (Expenditures for volumes reported on line 6) _____
- 16. Current serials including periodicals (See instruction 16) _____
- 17. Other library materials (e.g., microforms, a/v, etc.) (See instruction 17) _____
- 18. Miscellaneous (All materials fund expenditures not included above) (See instruction 18) _____
- 19. Total library materials (Add lines 15, 16, 17, 18) _____
- 20. Contract binding (See instruction 19) _____
- 21 Salaries and wages — professional staff (See instruction 20) _____
- 22. Salaries and wages — nonprofessional staff (See instruction 20) _____
- 23 Salaries and wages — student assistants (See instruction 21) _____
- 24 Total salaries and wages (See instruction 20) (Add lines 21, 22, 23) _____
- 25 Other operating expenditures (See instruction 22) _____
- 26 Total library expenditures (Add lines 19, 20, 24, 25) _____

INTERLIBRARY LOANS (See instruction 23)

- 27 Total items loaned _____
- 28 Total items borrowed _____

PH.D. DEGREES (See instructions 24-25)

- 29 Number of Ph.D.s awarded _____
- 30 Number of fields in which Ph.D.s can be awarded (See instruction 25) _____

ENROLLMENT — FALL 1985 (See instruction 26)

- 31 Total full-time students (Line 14, columns 13 and 14) _____
- 32 Total FTE part-time students (Line 28, column 15) _____
- 33 Total full-time graduate students (Line 11, columns 13 and 14) _____
- 34 Total FTE part-time graduate students (Line 25, column 15) _____

FACULTY (See instruction 27)

- 35 Number of full-time instructional faculty _____

FOOTNOTES FOR ARL STATISTICS, 1985-86

(Compare with footnotes from previous year as they appear in the published *ARL Statistics* and revise as appropriate. For your convenience, a copy of your library's footnotes is given on p 4 of the questionnaire) (See instruction 28)

1 Law Library statistics are included

- Yes No We do not have a Law Library

If yes, also please provide Law Library data on separate questionnaire

2 Medical Library statistics are included

- Yes No We do not have a Medical Library

If yes, also please provide Medical Library data on separate questionnaire

3 Other main campus libraries not included

4 Figures include reports from branch campus libraries (See instruction 5)

- Yes No We have only one campus

5 If branch campus libraries are included please specify which campuses

6 If branch campus libraries are *not* included please specify which campuses

7 Basis of volume count is Physical Bibliographical

8 Count of current serials (Questions 7-9) includes government document serials

- Yes No

9 Fringe benefits are included in expenditures for salaries and wages (Questions 10-24)

- Yes No

10 Number of hours used in calculating work week as reported for 1984-85 (Please change or correct as necessary)

Professional _____ Nonprofessional _____ Student FTE _____

FOOTNOTES FOR ARL STATISTICS, 1985-86

11 Other comments

12 Footnotes as published in the 1984-85 *ARL Statistics*. Please indicate revisions, additions, and deletions as appropriate. Note number in () refers to the column in Library Data Tables in 1984-85 *ARL Statistics*.

Please return completed questionnaire to the ARL Office by **October 15, 1986**.

Reporting Institution _____

Library Director's Signature _____

Association of Research Libraries 1527 New Hampshire Avenue, N.W. Washington, D.C. 20036 • (202) 232-2466

FOOTNOTES TO THE ARL STATISTIC, 1985-86

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
ALABAMA		All figures are as of September 30, 1986.
	(7)	1,559 government documents included in 1984-85 figure excluded this year.
ALBERTA		All figures are as of March 31, 1986.
		Excludes Extension Library, Boreal Institute Library, St. Joseph's College Library, and Map Library.
	(9,10)	Figures do not include loans to Provincial government libraries, Extension library, Health Sciences Library, and Law Library extramural loans.
	(15,17)	Figures including outside funding would be (15) \$1,737,902 (Can.); (17) \$386,856 (Can.).
	(15-26)	Expenditures are University provided funding only.
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$993,347; (16) \$2,578,143; (17) U/A; (18) U/A; (19) \$3,571,490; (20) \$1,24,679; (21) \$3,062,973; (22) \$5,951,117; (23) \$581,000; (24) \$9,595,090; (25) \$1,651,428; (26) \$14,942,687.
ARIZONA	(1)	Includes government documents received through 1978.
BOSTON		Includes the Theology Library.
	(1)	1984-85 figure revised.
BRIGHAM YOUNG		Figures are as of August 31, 1986.
	(1)	1984-85 figure revised.
BRITISH COLUMBIA	(1-8,15-26)	Figures are as of March 31, 1986.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
BRITISH COLUMBIA (cont.)	(15)	Includes Other Library Materials (17) and Miscellaneous (18) expenditures.
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$2,023,332; (16) \$2,356,985; (17) U/A; (18) U/A; (19) \$4,380,317; (20) \$202,553; (21) \$3,763,783; (22) \$5,114,117; (23) \$873,859; (24) \$9,751,759; (25) \$969,910; (26) \$15,304,539.
BROWN		Includes John Carter Brown Library and Annmary Brown Library.
CALIF., DAVIS		Includes Harrison Western Research Center Library Collection of 17,193 bound volumes and 57 non-document serials in Fair Oaks, California.
CALIF., LOS ANGELES	(1)	1984-85 figure revised.
	(1-3)	Initial volume count in 1940s was bibliographical; subsequent counts of added volumes have been physical.
	(11)	Professional staff include the following position titles: Specialist, Principle Administrative Analyst, Senior Administrative Analyst, Administrative Analyst, Programmer, Senior Accountant, MSO I-IV, Principle Editor, Senior Editor, and Library Assistant V.
CALIF., RIVERSIDE	(14)	Includes 1 FTE professional, 3 FTE non-professionals, and 3 FTE student assistants for project.
	(19)	Includes donations and budgeted funds.
	(23)	Includes \$32,373 in federal work study funds.
	(25)	Includes grants, opportunity funds, and budgeted funds.
CALIF., SAN DIEGO	(7)	Includes monographic and publishers' series.
	(8)	Excludes government document microforms only if housed in separate collection.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
CALIF., SAN DIEGO (cont.)	(14)	Includes 17.4 FTE hired for cost recovery operations, special projects, and grants.
	(16)	Excludes monographic and publishers' series.
	(13)	Includes machine-readable data files (\$6,749); data services (\$26,162); memberships (\$3,060).
	(24)	Includes \$233,347 from research grants, special projects, and fees for services.
CALIF., SANTA BARBARA	(7)	Excludes government documents for the first time this year.
CANADA INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION		Includes 15 branch libraries throughout Canada which serve the divisions of the National Research Council of Canada, CISTI's parent organization.
		All figures are as of March 31, 1986.
	(8)	Lower than previous year's report because 1984-85 figure included sheets which were actually part of units.
	(24)	Includes fringe benefits.
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$1,756,880; (16) \$6,186,621; (17) \$164,546; (18) \$78,979; (19) \$3,187,026; (20) \$79,334; (21) \$3,174,431; (22) \$3,547,893; (23) N/A; (24) \$6,722,324; (25) \$6,725,618; (26) \$21,714,302.
CASE WESTERN RESERVE	(1-3)	Count is physical for some libraries and bibliographical for others.
CENTER FOR RESEARCH LIBRARIES	(10)	1984-85 revised to exclude uncataloged government documents for the first time. Figure includes other material that is uncataloged but arranged on shelves for use.
	(5-7)	Excludes state documents for the first time.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
CENTER FOR RESEARCH LIBRARIES (cont.)	(15,16)	Estimated figure.
CHICAGO	(16)	Includes monographs.
	(28)	Does not include 4,945 borrowed from the Center for Research Libraries.
	(22)	Includes 14 FTE on special projects.
CINCINNATI	(15)	Includes Other Library Materials (17).
	(16)	Includes Microforms.
	(26)	Includes \$650,825 for development and installation of automated library system.
COLORADO		Includes doctoral degrees in all fields and all doctoral degrees awarded.
	(7)	Figure would be 23,092 if government documents included.
	(8)	Figure would be 3,221,186 if government documents included.
	(12)	Includes 1 FTE paid from grant funds and 4 FTE paid from auxiliary funds.
	(13)	Includes 23 FTE paid from work study funds.
	(18)	Bibliographic utility expenditures.
	(23)	Includes \$163,120 in work study funds.
COLORADO STATE	(1)	1984-85 figure revised.
	(1-7)	Excludes government documents for the first time.
	(20)	Does not include \$6,245 for in-house supplies costs.
	(24)	Excludes fringe benefits for the first time this year.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
COLORADO STATE (cont.)	(25)	Does not include \$56,602 rent on Library storage facility.
COLUMBIA	(1)	1984-85 figure revised.
	(11-14)	Includes 7 FTE professional and 12 FTE non-professional on one-time grant funds.
CONNECTICUT		Includes Hartford Regional Library.
CORNELL		Includes Geneva Experiment Station.
	(1)	1984-85 figure revised.
	(5)	Includes newspapers not counted in previous years.
DARTMOUTH	(1)	1984-85 figure revised to exclude uncataloged government documents.
	(11-14)	Includes 2 FTE professional, 7 FTE non-professional, and 1 FTE student assistant paid from grant funds.
	17)	Includes \$162,125 for serial microforms and \$5,476 for serial audio/visual.
	(18)	Included in (17).
DELAWARE		Figures do not include: Music Library, Political Science Library, Educational Resources Library, Urban Affairs Composite Materials Library, Institute of Energy Conversion Library, Disaster Research Center Library, Art Media Library, Oral History Library.
	(18)	Does not include major outlay for construction, furnishings, and equipment.
DUKE	(1)	1984-85 figure revised.
EMORY	(1)	Includes 2,465 volumes omitted by the Law Library from 1984-85 Statistics, and 265,987 government documents.
	(7)	Includes 1,975 government document serials.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
EMORY (cont.)	(11-26)	Figures are for fiscal year ending August 31, 1986.
	(14)	Includes 5 FTE cost recovery positions and 6 FTE paid from special project and grant funds.
	(18)	Database searches: \$23,963 (Law Library). Bibliographic utilities: \$32,016 (Law Library and Oxford Library). Number of full-time instructional faculty is for 1984-85.
FLORIDA	(25,26)	Does note include consultant fees of \$5? 250. Full-time and part-time graduate student figures include law and medical students.
FLORIDA STATE		Excludes Development Research School; includes branch campus in Panama City.
	(1)	1984-85 figure revised to exclude cataloged government documents. Includes audiovisual materials except for the law library.
	(8)	Excludes documents which were counted in previous years.
	(15)	Includes microforms, audiovisual materials, etc.
	(17)	Figure for law library only.
	(18)	Figure for law library only. Includes: OCLC (\$19,879), LEXIS, NEXIS, and WESTLAW (\$27,588).
GEORGETOWN	(1)	1984-85 figure revised.
	(11-14)	Includes 2 FTE professional and 1 FTE non-professional paid on grant funds.
	(19)	Includes \$235,342 paid from special and grant funds.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
GEORGIA		Includes experiment stations at Griffin, Tifton, Skidaway, and Sapelo.
	(2)	Includes cataloged government documents, some of which are shelved together in the Main and Science Libraries.
	(9)	Includes some monographic series received on standing order.
GEORGIA TECH	(1-7)	Includes government documents that are cataloged, classified, and housed separately.
	(26)	Includes \$134,836 in research, endowment, and gift funds.
GUELPH		All figures are as of April 30, 1986.
	(25)	Lower this year because of inordinately large purchase of audiovisual equipment last year.
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$699,381; (16) \$1,133,293; (17) \$503,573; (18) U/A; (19) \$2,336,247; (20) \$66,190; (21) \$1,416,940; (22) \$1,924,858; (23) \$140,017; (24) \$3,401,815; (25) \$79,980; (26) \$5,964,232.
HARVARD		Includes research institutions in District of Columbia, Texas, and Italy.
	(1)	1984-85 figure revised.
	(8)	Includes some government documents.
	(26)	Separate figure for expenditures from grants and special projects not available. Expenditures do not include fringe benefits (\$3,405,574), building and maintenance charged to library budget (\$2,027,865). Total reported expenses including these items: \$36,421,868. Cost recovery items (\$1,907,652) are included this year.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
HARVARD (cont.)		Number of full-time instructional faculty excludes Medical School.
HAWAII		Excludes Industrial Relations Library, Hawaii Institute of Geophysics Library, and School of Public Health Reference Collection, all not under university library administration.
	(5,6)	Estimated figures.
	(25)	Figure reflects major increase in automation expenses.
HOUSTON		All figures are as of August 31, 1986.
HOWARD	(17)	Figures for microforms and audiovisual materials are not maintained.
ILLINOIS	(7)	Estimated figure.
INDIANA	(1)	1984-85 figure revised to exclude government documents.
	(8)	Figure lower than 1984-85 because it excludes government documents.
IOWA	(5,7)	Includes only those government documents received on paid subscriptions.
	(11-14)	Includes staff on special RECON project.
	(16)	Expenditures for monographic series not available.
	(17)	Figure available for Law Library only (\$70,000). Expenditures for other libraries are included in (15) and (16).
	(18)	Automation expenditures.
	(26)	Includes \$42,104 in gifts, \$106,033 in federal grant funds.
IOWA STATE	(7)	Figure excludes government documents for the first time this year.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
JOHNS HOPKINS		Includes Peabody Conservatory Library, Welch Medical Library, School of Hygiene and Public Health Library, Applied Physics Laboratory Library, and School of Advanced International Studies in Washington, D.C. and Bologna, Italy, the Center for Italian Studies in Florence, Italy, and the School of Continuing Studies' Columbia Center.
	(1)	1984-85 figure revised as a result of a bibliographic and physical count of the monograph collections.
	(22)	Includes funds obtained from other sources amounting to \$500,973.
KANSAS		Includes School of Medicine in Kansas City.
	(1-3,9-10)	Includes History of Medicine Library collection, which is not included in other figures. Count of Ph.D. fields includes one joint program with Kansas State, for a total of 53 fields at Lawrence campus and 9 at Medical Center in Kansas City.
KENT STATE		Includes continuing education.
	(6)	Estimated figure.
	(7)	Excludes 4,750 government serials.
	(8)	Excludes government documents for the first time this year.
	(11-14,24-26)	Figures include Audiovisual Services, Computer Assisted Instruction, and Teleproduction.
	(25)	Includes fringe benefits.
KENTUCKY	(7,8)	Figures exclude government documents.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
KENTUCKY (cont.)	(11-13)	Includes 3.1 FTE professionals, 2.1 FTE nonprofessionals, and .7 FTE students paid from grant funds.
	(13)	Includes 13.5 FTE students paid through work study funds (including some non-library units).
	(15,16)	Includes expenditures for Other Library Materials (17).
LAVAL	(15)	Includes \$33,467 (Can.) in grant funds.
	(17)	Includes \$445,421 (Can.) for the conversion on microfilm of part of the Scientific Library's periodical collections.
	(18)	Expenditures for online literature searching.
	(20)	Includes only special contracts and binding furniture. Most binding is done in-house. Salaries involved are \$154,469 (Can.).
	(24)	Fringe benefits, which are not included, total Canadian \$1,084,760 (U.S. \$785,090).
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$858,909; (16) \$1,445,394; (17) \$489,519; (18) \$177,344; (19) \$2,971,166; (20) \$85,875; (21) \$2,988,159; (22) \$4,062,268; (23) \$82,611; (24) \$7,133,038; (25) \$851,792; (26) \$1,041,871.
LIBRARY OF CONGRESS	(5-7)	Estimated figures.
	(8)	Adjusted figure.
LINDA HALL		All figures are as of December 31, 1985.
	(26)	Excludes \$184,978 in fringe benefits; and \$219,514 in plant maintenance.
LOUISIANA STATE		Includes Law Library and Veterinary Medicine Library.
	(1,3)	Includes bound government documents.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
LOUISIANA STATE (cont.)	(4)	Excludes private collection of approximately 30,000 volumes purchased by the library.
	(8)	Excludes government documents for the first time.
	(18)	Includes \$179,760 for SOLINET; \$20,000 for online searching; \$12,035 for security system.
McGILL		All figures are as of May 31, 1986.
	(17)	Includes \$653,418 (Can.) in special funds and \$92,000 (Can.) in government grants toward specific collections.
	(18)	Includes \$44,571 (Can.) for memberships; \$18,764 (Can.) for Tattletape.
	(22)	Includes \$180,567 (Can.) for contracted security services.
	(25)	Includes \$72,179 (Can.) for retrospective conversion; \$243,300 (Can.) for capital equipment; \$340,000 (Can.) for automated acquisitions/cataloging.
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$1,173,560; (16) \$1,713,242; (17) \$745,418; (18) \$63,335; (19) \$3,695,555; (20) \$125,600; (21) \$2,992,312; (22) \$4,503,044; (23) \$459,305; (24) \$7,954,661; (25) \$985,101; (26) \$12,820,917.
McMASTER		All figures are as of April 30, 1986.
	(1)	1984-85 figure revised.
	(1,7,8)	Excludes government documents for the first time this year.
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$1,682,400; (16) \$1,707,587; (17) \$931; (18) \$4,150; (19) \$3,395,068; (20) \$94,870; (21) \$1,404,949; (22) \$2,686,489; (23) \$290,315; (24) \$4,381,753; (25) \$514,934; (26) \$8,386,625.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
MANITOBA		All figures are as of March 31, 1986.
	(11,12)	Includes 2 FTE professionals and 1 FTE nonprofessional paid through grant funds.
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$1,158,202; (16) \$1,532,012; (17) U/A; (18) U/A; (19) \$2,690,214; (20) \$155,878; (21) \$2,161,627; (22) \$2,805,835; (23) \$409,556; (24) \$5,377,018; (25) \$739,157; (26) \$8,962,267.
MARYLAND	(15,16,21,22,25)	Includes grant (in Canadian dollars): (15) \$99,158; (16) \$1,510; (21) \$47,624; (22) \$17,015; (25) \$17,015.
	(13,24)	College of Library and Information Services data are included for collections and expenditures (except salaries and wages), but not for personnel. Expenditures for federal work study students are not included, but these students are included in the calculation of FTE student assistants. Ph.D. count includes all doctoral fields.
MASSACHUSETTS	(7)	Includes 322 serial titles received as U.S. depository items. These titles are fully cataloged, classified, and intershelved in the main and branch collections. Ph.D.'s awarded excludes 96 Ed.D. degrees.
MIT	(1)	1984-85 figure revised.
	(11,12)	Includes 4 FTE professionals and 2.5 FTE nonprofessionals paid through grant funds.
	(18)	Includes \$96,878 for bibliographic utilities; \$86,416 for literature searching.
MIAMI	(26)	Includes \$192,075 in grant funds.
	(8)	Excludes government documents included in previous counts.
	(21)	Excludes director's salary.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
MIAMI (cont.)	(26)	Includes other sources of revenue as follows: gifts and endowments (\$225,539); service fees (\$317,642); and grants (\$18,234).
MICHIGAN		Excludes Dearborn Campus Library, and the University of Michigan, Flint Library.
	(1)	1984-85 figure revised. Includes microforms in the Transportation Research Institute.
	(16)	Includes microform serials.
	(23)	Transportation Research Institute personnel budget is covered by parent institution except for \$5,286.05.
MICHIGAN STATE	(14)	Includes 1.5 FTE paid from grant funds.
MINNESOTA	(1)	1984-85 figure revised.
	(1-10)	Excludes Immigration History Research Collection for the first time this year.
	(18)	Includes CLR dues (\$26,661); South American Microfilming Project (\$10,717); PL480 (\$19,379).
MISSOURI	(4)	Titles, not volumes.
	(5)	Includes Law monographic series.
	(7)	Excludes monographic series for the first time this year.
	(18)	Includes \$15,000 paid to OCLC by Law Library.
	(19,23-25)	Includes one-time grant of \$2,020,000 from the state for library materials, processing special acquisitions, grant funds, copy service staff, special retrospective conversion project staff.
NATIONAL AGRICULTURAL LIBRARY		U.S.D.A. field libraries are not included.

Figures are as of September 30, 1986.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
NATIONAL AGRICULTURAL LIBRARY	(16)	Includes Other Library Materials (17) and Miscellaneous (18).
	(24)	Includes fringe benefits.
NATIONAL LIBRARY OF CANADA		Figures for holdings, interlibrary loans, and expenditures are as of March 31, 1986.
	(4)	In addition to the number of monographic volumes purchased, two copies of documents published in Canada are received on legal deposit.
	(5)	Figure includes some retrospective serials.
	(6)	Figure is the number of serials that are received on legal deposit.
	(11-14)	Authorized person-years.
	(15,16)	Canadian monographs and serials are received on legal deposit.
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$609,953; (16) \$407,551; (17) \$1,053,828; (18) \$41,003; (19) \$2,112,335; (20) \$21,198; (21) \$7,655,957; (22) \$8,377,518; (23) \$265,425; (24) \$16,798,900; (25) \$12,490,242; (26) \$31,422,675.
NATIONAL LIBRARY OF MEDICINE	(11-26)	Statistics reflect the Library Operations component of the Library: Public Services, Technical Services, Bibliographic Services, and History of Medicine Divisions, as well as the Medical Subject Headings staff, the staff of the Regional Medical Library program, and the Office of the Associate Director for Library Operations. Also included are the Library's Office of Computer and Communications Systems and the Specialized Information Services Division.
NEBRASKA	(1)	1984-85 figure revised.
	(7)	Includes cataloged government documents.
	(4-6,16)	Does not include figures for law library, which are not available.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
NEBRASKA (cont.)	(18)	Includes \$67,748 for "memberships for purposes of publications" for non-law libraries and \$38,228 for law libraries.
NEWBERRY LIBRARY	(20)	Figure reflects costs for in-house binding, excluding personnel.
	(24,25)	Includes building operations costs.
NEW MEXICO	(1-3)	Includes some non-print volumes.
	(7,8)	Exclude government documents for the first time this year.
NEW YORK		All figures as of August 31, 1986.
	(4)	Excludes law and medical libraries.
		Number of full-time instructional faculty excludes Medical Hospital Faculty.
NEW YORK PUBLIC LIBRARY		Figures for 1985-86 not yet available; all figures reported are for 1984-85.
	(7)	Includes current and irregular serials and periodicals. In previous years, only periodicals were reported.
	(24)	Does not include Central Administration and Development Office.
NEW YORK STATE LIBRARY		All figures as of March 31, 1986.
	(1)	Includes cataloged government documents.
NORTH CAROLINA		Includes Institute of Marine Sciences Library.
	(11,12)	Includes 3 FTE professionals and 2 FTE nonprofessionals on special grant funds. Does not include 5 FTE paid from funds contributed by Duke and North Carolina State Universities for support of Triangle Research Libraries Network.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
NORTH CAROLINA (cont.)	(26)	Includes \$1,916,212 in grants, trust, and other special funds. Does not include \$182,393 in expenditures for the Triangle Research Libraries Network from funds contributed by Duke and North Carolina State Universities.
NORTH CAROLINA STATE		Includes Veterinary Medical Library.
	(1)	1984-85 figure revised to exclude some government documents.
	(25)	Includes purchase of a computer.
NORTHWESTERN		Includes Dental Library.
		All figures are as of August 31, 1986.
	(1)	1984-85 figure revised.
	(4)	Does not include Law and Medical libraries.
	(11-14)	Includes 2.0 FTE professionals, .3 FTE nonprofessionals, and 1.5 FTE student assistants on special grants and projects. Also includes 42.1 student assistants paid on federal work study funds.
	(15-26)	Includes project and grant funds as follows: (19) \$259,344; (24) \$9,480 of gift, grant, or endowment funds; (25) \$220,776 of gift, grant, or endowment funds.
	(24)	Includes \$243,812 in federal work study funds.
NOTRE DAME	(1)	1984-85 figure revised.
	(7)	Includes cataloged government documents.
	(8)	Does not include microforms in various departmental collections.
OHIO STATE		Includes University Archives.
	(5-7)	Includes cataloged government documents.
	(25)	Includes expenditures attributed in previous years to the University computer center.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
OKLAHOMA STATE		Excludes OSU Technical Institute in Oklahoma City and OSU School of Technical Training in Okmulgee.
	(12)	Includes 15 FTE temporary positions to assist in the implementation of the Library's automated system.
OREGON	(1)	1984-85 figure revised.
	(4)	Reported figure refers to titles.
	(7)	Excludes duplicate subscriptions.
	(12)	Includes 2 FTE in cost recovery positions.
	(13)	Includes 2.65 FTE in cost recovery positions.
	(17)	Estimated figure.
	(18)	Includes bibliographic utilities (\$303,139); literature searching (\$32,163); shipping charges (\$69,897); and miscellaneous (\$7,899).
PENNSYLVANIA STATE		Includes main campus and branches at Allentown, Altoona, Beaver, Berks, Delaware Co., DuBois, Fayette, Hazleton, McKeesport, Mont Alto, New Kensington, Ogonitz, Schuylkill, Scranton, Shenango Valley, Wilkes-Barre, York, Behrend College, King of Prussia Center for Graduate Studies, and Capital College at Middletown, PA.
	(1)	1984-85 figure revised to include Capital College's collection of 179,594 volumes for the first time this year.
PITTSBURGH		Excludes branch campus libraries at Johnstown, Greensburg, Bradford, and Titusville.
	(11,12)	Includes 5.5 FTE professionals and 3 FTE nonprofessionals paid from grant funds.
	(18)	Includes \$5,934 from all payments.
PRINCETON	(24)	Figures in previous years included fringe benefits.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
QUEEN'S		Figures are as of April 30, 1986.
		Excludes Library of the Industrial Relations Center.
	(16)	Includes microforms.
	(17)	Includes audiovisual material only.
	(21)	Does not include Chief Law Librarian.
	(25)	Includes funds from cost recovery \$164,162 (Can.).
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$1,123,959; (16) \$1,402,740; (17) \$7,376; (18) \$350,106; (19) \$2,884,181; (20) \$120,517; (21) U/A; (22) U/A; (23) \$255,404; (24) \$4,344,682; (25) \$393,894; (26) \$7,743,274.
RICE	(8)	Excludes 31,341 in government documents.
	(9)	Includes interlibrary loans to corporate libraries.
	(14,22)	Includes salaried part-time student positions.
	(19,25,26)	Includes all sources of funding.
	(23)	Figure is for hourly positions only.
	(24)	Includes positions funded by external grants, contracts, and transfers from other university budgets and cost centers.
		Number of full-time instructional faculty includes FTE adjunct professors.
ROCHESTER		Includes Sibley Music Library of Eastman School of Music.
	(4)	Figure reported is titles not volumes.
	(7)	Includes purchased government document serials.
	(10)	Does not include government documents for the first time this year.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
ROCHESTER (cont.)	(15)	Includes microform series and backfiles of periodicals.
	(16)	Includes monographic and publishers' series.
	(18)	Medical library figure is \$52,980.
RUTGERS		Figures include services to the basic medical sciences component, a non-Rutgers medical school, and campuses in Camden, Newark, and New Brunswick.
	(7)	Figure reduced because ARL definition of serial followed more closely than in past years.
	(11 14)	Does not include cost recovery positions and staff hired for special projects and grants.
SASKATCHEWAN		Excludes Theological College libraries on campus that are not part of the library system.
		Figures are as of April 30, 1986.
	(1)	1984-85 figure revised.
	(17)	Included in Monographs (15).
	(18)	Included in Other Operating Expenditures (25).
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$1,067,636; (16) \$1,678,593; (17) U/A; (18) U/A; (19) \$2,746,229; (20) \$96,721; (21) \$1,297,490; (22) \$2,439,931; (23) \$228,536; (24) \$3,965,957; (25) \$432,831; (26) \$7,241,738.
	Figures for Total FTE Part-time Students and Total FTE Part-time Graduate Students based on registrations.	
SMITHSONIAN		Includes Smithsonian Astrophysical Observatory in Cambridge, MA and Mt. Hopkins, AZ; Cooper-Hewitt Museum in New York City; and Smithsonian Tropical Research Institute in Panama. Excludes

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
SMITHSONIAN (cont.)		Hirshhorn Museum and Sculpture Garden, Woodrow Wilson International Center for Scholars, Freer Gallery of Art, National Museum of American Art, and National Portrait Gallery.
		All figures are as of September 30, 1986.
	(2,4)	Figures reported are for titles rather than volumes.
	(7)	Number of serials received is reduced from previous years due to change in ordering procedure.
	(12)	Includes 7 FTE hired for two specific projects.
	(16)	Includes \$5,000 grant for purchase of serials for Smithsonian Institution Tropical Research Institute branch library.
	(17)	Includes expenditures for: conservation (\$12,500); database rental (\$55,000); document delivery (\$8,500); interlibrary loan (\$3,500); memberships (\$6,600).
	(18)	Includes expenditures for: Smithsonian Institution Libraries Bibliographic Information Systems (\$125,000); contract cataloging (\$170,000); retrospective conversion (\$180,000).
SOUTH CAROLINA	(11)	Includes 1 FTE paid from grant funds. Enrollment figures do not include law and medical students.
SOUTHERN CALIFORNIA		Includes the Andrus Gerontology Center Library, the Hancock Library of Biology and Oceanography, and the Arnold Schoenberg Institute Library, and the Occupational Therapy/Physical Therapy and Nursing Collection. Does not include the Safety and Systems Management Library.
	(18)	Includes \$216,412 for RLG membership and \$107,526 for online searching.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
SOUTHERN CALIFORNIA (cont.)		Number of Ph.D.'s awarded is 1984-85 figure.
SOUTHERN ILLINOIS		Excludes Center for Dewey Studies; Papers of Ulysses S. Grant; Instructional Development, Research and Evaluation Faculty of Learning Resources Service; School of Medicine Library (Springfield), which is not administratively part of Library Affairs.
	(1)	1984-85 figure revised.
	(8)	Figure is lower due to adjustment in count.
STANFORD	(1)	1984-85 figure revised.
	(14)	Includes 12 FTE paid from grant and contract funds.
	(15-26)	Figures are as of August 31, 1986.
	(26)	Includes \$54,984 in grant and contract funds. Excludes \$500,000 outside funding for purchase of Taube-Baron Collection.
SUNY, ALBANY		Includes the Graduate Library of Public Affairs and Policy (formerly Hawley Library) on East campus.
	(4-7,26)	Figures are as of March 31, 1986.
	(7)	Excludes government document serials for the first time this year.
	(8)	Excludes government documents for the first time this year.
	(11-14)	Includes 1 FTE professional, 3 FTE nonprofessionals, and 1.5 FTE student assistants paid on grant funds. Excludes federal work study.
	(18)	Includes: ILL photocopying (\$887); memberships (\$25,591); bibliographic utilities (\$165,493); and computer-based reference service (\$26,970).
	(20)	Includes \$20,000 in grant funds.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
SUNY, ALBANY (cont.)	(23)	Excludes federal work study allocations.
	(24)	Includes \$52,633 in grant funds. Excludes federal work study allocations.
	(25)	Includes \$31,367 in grant funds and \$196,900 from revenue accounts.
SUNY, BUFFALO		Figures are as of March 31, 1986.
	(1)	1984-85 figure revised.
	(11,12)	Includes 5 professionals and 3 nonprofessionals FTE on special projects/grants. Ph.D.'s awarded are as of June 30, 1986.
SUNY, STONY BROOK		Figures are as of March 31, 1986.
	(7)	Excludes 6,000 government documents included last year.
	(8)	Includes government documents.
	(11-14)	Includes 1 FTE professional, 4.5 FTE nonprofessionals, and .8 FTE student assistants paid from Income Fund Reimbursable Account.
	(18)	Includes \$24,917 for OCLC; \$367 for equipment; and \$2,568 for memberships.
	(19)	Includes \$13,970 from Coordinated Collection Development Fund, New York State, and \$15,000 "additional books" special grant from the State Legislature.
	(21-25)	Includes funds from Income Funds Reimbursable Account: (21) \$20,576; (22) \$41,349; (23) \$8,625; (25) \$44,469.
	(23)	Includes \$131,354 work study funds.
(25)	Includes \$2,328 from grant funds.	
SYRACUSE		Excludes Utica College.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
SYRACUSE (cont.)	(1)	1984-85 figure revised to exclude uncataloged government documents for the first time.
	(11)	Includes 3.5 FTE in Academic Computing Center.
	(18)	Figure included in Other Library Materials (17).
	(24)	Includes \$112,890 for Academic Computing Center staff.
	(25)	Includes Academic Computing Center computer rentals, collection insurance, CRL dues, as well as regular operating expenditures.
TEMPLE		Ph.D.'s awarded include all doctoral degrees.
		Includes Ambler Tyler School of Art, and Temple University City Center Campuses. Excludes Journalism; Health, Physical Education, Recreation, and Dance Libraries; and other departmental collections.
TENNESSEE	(4,7)	Excludes monographs in series and continuations.
	(6)	Excludes classified documents.
	(11)	Includes 1 FTE that is a temporary position.
	(15)	Excludes expenditures for monographs in series. Includes audiovisual material.
TEXAS		Figures are as of August 31, 1986.
		Includes the General Libraries, Law Library, and the Humanities Research Center.
	(14)	Includes 6 FTE staff hired on grant and/or recovery funds.
	(15)	Includes expenditures for Other Library Materials (17) and Miscellaneous (18).

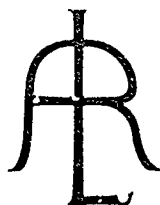
<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
TEXAS (cont.)	(19)	Includes expenditures of \$4,076,070 by General Libraries, \$1,500,000 by Law Library, and \$705,007 by Humanities Research Center.
	(22)	Includes Title II-C and federal work study funds. Ph.D.'s awarded includes D.Ed. degrees.
TEXAS A&M		All figures are as of August 31, 1986.
	(4)	Figure reported is titles not volumes.
	(8)	Figure includes an adjustment for a microform count completed December 31, 1985.
TORONTO		Reporting year changed to May 1-April 30. All figures are as of April 30, 1986. Includes only the libraries of the university within the President's budget; excludes libraries of the federated and affiliated institutions.
	(1,4,5,7)	Includes monographic series.
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$2,956,741; (16) \$3,419,227; (17) U/A; (18) U/A; (19) \$5,375,968; (20) \$258,832; (21) \$5,848,359; (22) \$9,419,367; (23) \$1,621,915; (24) \$16,889,641; (25) \$1,419,864; (26) \$24,944,305
TULANE		Includes Delta Primate Center in Covington, Louisiana.
	(4,15,16)	Figures reported are a combination of titles and volumes, and exclude the Law Library and the Delta Primate Center.
UTAH	(1)	1984-85 figure revised to exclude bound government documents.
VANDERBILT	(1)	1984-85 figure revised, and does not include 13,000 hours of videotape.

<i>Institution</i>	<i>Category from Main Table</i>	<i>Notes</i>
VANDERBILT (cont.)	(7)	Government documents excluded for the first time this year.
	(8)	Excludes 70,929 government documents included in 1984-85 figure.
	(9-10)	Excludes Law Library.
	(18)	Figure is for online searching and bibliographic utilities only.
VIRGINIA	(10)	Includes borrowing by the Science and Engineering Library for the first time this year.
	(16)	Includes expenditures for monographic series in Health Sciences Library.
	(18)	Includes expenditures for literature searching in Health Sciences and Law Libraries.
VIRGINIA POLYTECHNIC & STATE UNIVERSITY		Includes "open reserve" collection of approximately 10,000 volumes at Northern Virginia Graduate Center in Falls Church, Virginia.
	(7)	Estimated figure.
	(18)	Figure includes \$89,120 for bibliographic utilities, \$30,854 for literature searching, and \$5,990 for memberships.
WASHINGTON		Ph.D.'s awarded include Ed.D. degrees.
	(1)	1984-85 figure revised.
	(4)	Excludes Law Library.
	(11-14)	Includes 2 FTE professionals, 4.5 FTE nonprofessionals, 17 FTE students paid from cost recovery operations.
WASHINGTON STATE	(21)	Includes Law Library nonprofessional staff.
	(5,6)	Estimated figure.
	(8)	Includes government documents.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
WASHINGTON STATE (cont.)	(9)	Includes U.S.D.A.-NAL document delivery grant for the first time this year.
	(11-14)	Includes staff for Instructional Media Services. Includes .1 FTE professional and .5 FTE nonprofessional paid from grant funds and .2 FTE professional, 4.53 FTE nonprofessional, and 3.71 FTE student assistants paid from cost recovery programs.
	(15,16)	Includes microforms.
	(17)	Figures for Instructional Media Service purchase of film and videos only.
	(21,26)	Figures include all cost recovery accounts and grants for the first time this year. Also include Instructional Media Services staff.
WASHINGTON, ST. LOUIS	(4)	Excludes Medical Library. Law Library figure is titles not volumes.
	(8)	Excludes government documents for the first time.
WATERLOO		Figures include the Engineering, Mathematics and Science Library and the University Map and Design Library.
		Figures are as of April 30, 1986.
	(1)	Includes cataloged government documents.
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$1,217,333; (16) \$1,476,030; (17) 92,432; (18) U/A; (19) \$2,785,795; (20) \$86,051; (21) \$1,675,496; (22) \$2,604,791; (23) \$269,310; (24) \$4,549,597; (25) \$839,505; (26) \$8,260,948.
WAYNE STATE		All figures are as of September 30, 1986.
		Includes Ruether Archives of Labor and History for the first time this year.,
	(1)	1984-85 figure revised.
	(18)	Included in Other Library Materials (17).

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
WESTERN ONTARIO		<p>Figures are as of April 30, 1986.</p> <p>Excludes libraries of 3 affiliated colleges, School of Library and Information Science, and departmental libraries.</p>
	(1)	1984-85 figure revised to include coded government documents.
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$1,286,370; (16) \$2,218,843; (17) U/A; (18) U/A; (19) \$3,487,213; (20) \$184,476; (21) \$1,847,344; (22) \$3,315,056; (23) \$627,458; (24) \$5,789,858; (25) \$391,184; (26) \$9,852,731.
WISCONSIN	(1)	Includes maps.
	(9,10)	<p>Previous years' figures included items loaned from State Historical Society Library which is located on campus.</p> <p>HEGIS figure for full-time faculty is 1,435. This excludes 741 instructional faculty.</p>
YALE		Include Lewis-Walpole Library in Farmington, Connecticut.
	(5,6)	<p>Estimated figures.</p> <p>Number of full-time instructional faculty excludes Medical School.</p>
YORK		<p>All figures are as of April 30, 1986.</p> <p>Includes Glendon Campus.</p>
	(1)	1984-85 figure revised to exclude government documents for the first time.
	(15-26)	Expenditures reported in Canadian dollars were: (15) \$1,238,288; (16) \$1,357,861; (17) \$105,487; (18) \$82,751; (19) \$2,784,387; (20) \$162,002; (21) \$1,989,125; (22) \$2,681,542; (23) \$572,766; (24) \$5,243,433; (25) \$1,169,914; (26) \$9,359,736.

<i>Institution</i>	<i>Category from Main Tables</i>	<i>Notes</i>
YORK (cont.)	(18)	Includes, in Canadian dollars: bibliographic utilities (\$192,400); miscellaneous collection payments (\$24,000); online searching (\$23,955); gifts-in-kind (\$58,751). Statistical information on enrollments is in fiscal full-time equivalents



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