

Information and Communications

This section presents statistics on the various information and communications media: publishing, including newspapers, periodicals, books, and software; motion pictures, sound recordings, broadcasting, and telecommunications; and information services, such as libraries. Statistics on computer use and Internet access are also included. Data on the usage, finances, and operations of the Postal Service previously shown in this section are now presented in Section 23, Transportation.

Information industry—The U.S. Census Bureau's *Service Annual Survey, Information Services Sector*, provides estimates of operating revenue of taxable firms and revenues and expenses of firms exempt from federal taxes for industries in the information sector of the economy. Similar estimates were previously issued in the *Annual Survey of Communications Services*. Data beginning 1998 are based on the North American Industry Classification System (NAICS) and the information sector is a newly created economic sector. It comprises establishments engaged in the following processes: (a) producing and distributing information and cultural products, (b) providing the means to transmit or distribute these products as well as data or communications, and (c) processing data. It includes establishments previously classified in the Standard Industrial Classification (SIC) in manufacturing (publishing); transportation, communications, and utilities (telecommunications and broadcasting); and services (software publishing, motion picture production, data processing, online information services, and libraries).

This new sector is comprised of industries which existed previously, were revised from previous industry definitions, or are completely new industries. Among those which existed previously are newspaper publishers, motion picture and video production, and online information services.

Revised industries include book publishers and libraries and archives. Newly created industries include database and directory publishers, record production, music publishers, sound recording studios, cable networks, wired telecommunications carriers, paging, and satellite telecommunications. The following URL contains detailed information about NAICS and provides a comparison of the SIC and NAICS <<http://www.census.gov/epcd/www/naics.html>>. See also the text in Section 15, Business Enterprise.

Beginning 2001, the Service Annual Survey estimates reflect the introduction of the provisional North American Product Classification System (NAPCS) for the information sector. Data for prior years are not comparable. See <<http://www.census.gov/eos/www/napcs/napcs.htm>>.

The 1997 Economic Census was the first economic census to cover the new information sector of the economy. The census, conducted every 5-years, for the years ending "2" and "7," provides information on the number of establishments, receipts, payroll, and paid employees for the United States and various geographic levels.

The Federal Communications Commission (FCC), established in 1934, regulates wire and radio communications. Only the largest carriers and holding companies file annual financial reports which are publicly available. The FCC has jurisdiction over interstate and foreign communication services but not over intrastate or local services. The gross operating revenues of the telephone carriers reporting publicly available data annually to the FCC, however, are estimated to cover about 90 percent of the revenues of all U.S. telephone companies. Data are not comparable with Census Bureau *Annual Survey* because of coverage and different accounting practices for those telephone companies which report to the FCC.

Reports filed by the broadcasting industry cover all radio and television stations operating in the United States. The private radio services represent the largest and most diverse group of licensees regulated by the FCC. These services provide voice, data communications, point-to-point, and point-to-multipoint radio communications for fixed and mobile communicators. Major users of these services are small businesses, the aviation industry, the maritime trades, the land transportation industry, the manufacturing industry, state and local public safety and governmental authorities, emergency medical service providers, amateur radio operators, and personal radio operations (CB and the General Mobile Radio Service). The FCC also licenses entities as private and common carriers. Private and common carriers provide fixed and land mobile communications service on a for-profit basis. Principal sources of wire, radio, and television data are the FCC's *Annual Report* and its annual *Statistics of Communications Common Carriers*.

Statistics on publishing are available from the Census Bureau, as well as from various private agencies. Editor & Publisher

Co., New York, NY, presents annual data on the number and circulation of daily and Sunday newspapers in its *International Year Book*. Data on book production and prices are available from Information Today, Medford, NJ. The Book Industry Study Group, New York, NY, collects data on books sold and domestic consumer expenditures. Book purchasing data are from Ipsos, NPD, Inc., Rosemont, IL. Data on academic and public libraries are collected by the U.S. National Center for Education Statistics. Public library data are also gathered by Information Today, Medford, NJ, and the National Commission on Libraries and Information Science, Washington, DC.

Advertising—Data on advertising previously shown in this section are now presented in Section 27, Accommodation, Food Services, and Other Services.

Statistical reliability—For a discussion of statistical collection and estimation, sampling procedures, and measures of statistical reliability applicable to Census Bureau data, see Appendix III.

No. 1119. Information Industries—Establishments, Receipts, Payroll, and Employees by Kind of Business (NAICS Basis): 1997

[623,214 represents \$623,214,000,000. For establishments with payroll. Based on the 1997 Economic Census; see Appendix III]

Industry	NAICS code ¹	Establishments (number)	Receipts		Annual payroll		Paid employee for pay period including March 12, (1,000)
			Total (mil. dol.)	Per paid employee (dol.)	Total (mil. dol.)	Per paid employee (dol.)	
Information industries	51	114,475	623,214	203,255	129,482	42,229	3,066.2
Publishing industries	511	33,896	179,035	177,930	43,358	43,090	1,006.2
Newspaper, periodical, book, & database publishers ²	5111	21,806	117,336	158,598	24,971	33,753	739.8
Newspaper publishers	51111	8,758	41,601	103,137	11,789	29,228	403.4
Periodical publishers	51112	6,298	29,885	217,265	5,993	43,571	137.6
Book publishers	51113	2,684	22,648	251,933	3,643	40,522	89.9
Database & directory publishers	51114	1,458	12,258	284,312	1,655	38,384	43.1
Software publishers	5112	12,090	61,699	231,622	18,387	69,025	266.4
Motion picture & sound recording industries	512	22,204	55,926	202,643	9,392	34,032	276.0
Motion picture & video industries	5121	19,269	44,786	175,998	8,280	32,540	254.5
Sound recording industries	5122	2,935	11,140	517,797	1,112	51,671	21.5
Broadcasting & telecommunications	513	43,480	346,316	241,427	63,480	44,253	1,434.5
Radio & television broadcasting	5131	8,789	40,425	161,885	9,869	39,521	249.7
Radio broadcasting	51311	6,894	10,648	84,060	3,604	28,455	126.7
Television broadcasting	51312	1,895	29,777	242,007	6,264	50,913	123.0
Cable networks & program distribution	5132	4,679	45,390	260,334	6,151	35,280	174.4
Telecommunications ³	5133	30,012	260,501	257,822	47,460	46,972	1,010.4
Wired telecommunications carriers	51331	20,815	208,791	256,051	39,565	48,520	815.4
Wireless telecommunications carriers (except satellite)	51332	6,386	37,889	258,977	5,839	39,913	146.3
Information services & data processing services	514	14,895	41,937	119,986	13,252	37,915	349.5
Information services ²	5141	7,307	11,101	127,202	3,478	39,854	87.3
Libraries & archives	51412	2,298	861	39,055	373	16,928	22.0
Other information services	51419	4,482	8,837	158,544	2,639	47,351	55.7
Online information services	514191	4,165	8,043	161,061	2,356	47,181	49.9
Data processing services	5142	7,588	30,837	117,585	9,774	37,269	262.3

¹ North American Industry Classification System, 1997; see text, this section, and Section 15. ² Includes other industries, not shown separately.

Source: U.S. Census Bureau, 1997 Economic Census, *Information*, Series EC97551A-US, issued October 1999. See Internet site <<http://www.census.gov/epcd/www/97EC51.htm>>.

No. 1120. Information Sector Services—Estimated Revenue: 1999 to 2001

[In millions of dollars (774,394 represents \$774,394,000,000), except percent. For taxable and tax-exempt employer and nonemployer firms. Except as indicated, estimates adjusted to the results of the 1997 Economic Census]

Industry	NAICS code ¹	Estimated Revenue			Percent change, 2000-01
		1999	2000	2001	
Information industries	51	774,394	853,285	878,302	2.9
Publishing industries	511	220,631	235,193	235,073	-0.1
Newspaper, periodical, book, database, and other publishers ²	5111	139,145	146,575	143,825	-1.9
Newspaper publishers	51111	48,603	51,711	47,470	-8.2
Periodical publishers	51112	38,370	40,314	39,772	-1.3
Book publishers	51113	24,356	25,481	26,362	3.5
Database and directory publishers	51114	15,226	16,757	17,576	4.9
Software publishers	5112	81,486	88,618	91,249	3.0
Motion picture and sound recording industries	512	65,051	68,160	69,366	1.8
Motion picture and video	5121	52,850	55,339	57,189	3.3
Sound recording ²	5122	12,201	12,821	12,177	-5.0
Broadcasting and telecommunications	513	426,755	471,278	489,184	3.8
Radio and television broadcasting	5131	47,593	52,992	47,380	-10.6
Radio broadcasting	51311	13,208	15,001	13,911	-7.3
Television broadcasting	51312	34,386	37,991	33,468	-11.9
Cable networks and program distribution ²	5132	60,059	68,110	74,631	9.6
Telecommunications ³	5133	319,102	350,176	367,173	4.9
Wired telecommunications carriers	51331	247,828	266,018	264,374	-0.6
Wireless telecommunications carriers (except satellite) ²	51332	53,771	64,612	83,225	28.8
Information services and data processing services	514	61,958	78,653	84,680	7.7
Information services ³	5141	23,995	35,813	36,829	2.8
Libraries and archives	51412	1,133	1,289	1,253	-2.8
Other information services	51419	20,967	32,452	33,533	3.3
Online information services	514191	18,795	27,515	29,710	8.0
Data processing services	5142	37,963	42,841	47,851	11.7

¹ Based on the North American Industry Classification System, 1997; see text, this section, and Section 15. ² Estimates not adjusted to the 1997 Economic Census. ³ Includes other industries, not shown separately.

Source: U.S. Census Bureau, 2001 Service Annual Survey, *Information Sector Services*. See <<http://www.census.gov/econ/www/servmenu.html>> (released February 2003)

No. 1121. Information Industries—Establishments, Payroll, and Employees: 2000 and 2001

[For establishments with payroll (3,545.7 represents 3,545,700). Excludes most government employees, railroad employees and self-employed persons]

Industry	NAICS code ¹	Establishment		Paid employees ² (1,000)		Annual payroll (mil. dol.)	
		2000	2001	2000	2001	2000	2001
Information industries	51	133,590	137,293	3,545.7	3,754.7	209,394	207,124
Publishing industries	511	32,545	32,111	1,080.7	1,100.9	75,348	68,981
Newspaper, periodical, book, & database publishers	5111	21,946	21,758	749.2	747.6	31,258	32,026
Newspaper publishers	51111	8,586	8,540	412.6	414.0	14,216	14,747
Periodical publishers	51112	6,252	6,248	135.6	133.2	7,676	7,544
Book publishers	51113	2,661	2,698	87.2	89.7	4,310	4,803
Database & directory publishers	51114	1,370	1,394	46.2	45.1	2,418	2,328
Other publishers	51119	3,077	2,878	67.5	65.6	2,637	2,604
Greeting card publishers	511191	112	102	17.8	17.4	631	688
All other publishers	511199	2,965	2,776	49.7	48.2	2,006	1,916
Software publishers	5112	10,599	10,353	331.5	353.3	44,090	36,955
Motion picture & sound recording industries	512	22,899	22,782	304.2	297.1	11,736	11,986
Motion picture & video industries	5121	19,730	19,532	276.6	270.1	9,806	10,156
Motion picture & video production	51211	10,018	10,595	84.5	96.9	5,723	6,816
Motion picture & video distribution	51212	678	537	13.9	5.9	1,119	307
Motion picture & video exhibition	51213	5,884	5,353	144.0	132.7	1,130	1,189
Motion picture theaters (except drive-ins)	512131	5,593	5,050	142.3	130.9	1,107	1,162
Drive-in motion picture theaters	512132	291	303	1.7	1.7	23	26
Post production & other motion picture & video industries	51219	3,150	3,047	34.2	34.7	1,834	1,846
Teleproduction & other postproduction services	512191	2,816	2,702	29.7	30.2	1,591	1,589
Other motion picture & video industries	512199	334	345	4.5	4.6	243	257
Sound recording industries	5122	3,169	3,250	27.6	27.0	1,930	1,830
Record production	51221	276	270	1.1	1.2	55	73
Integrated record production/distribution	51222	310	305	9.0	8.8	1,100	1,043
Music publishers	51223	670	645	5.1	5.1	283	277
Sound recording studios	51224	1,516	1,621	8.1	8.4	327	313
Other sound recording industries	51229	397	409	4.3	3.5	166	123
Broadcasting & telecommunications	513	54,971	59,675	1,631.8	1,777.0	88,766	93,960
Radio & television broadcasting	5131	8,492	9,234	253.6	269.4	12,292	12,740
Radio broadcasting	51311	6,442	7,297	121.5	142.7	4,841	5,381
Radio networks	513111	334	359	9.3	12.2	516	375
Radio stations	513112	6,108	6,938	112.1	130.5	4,325	5,006
Television broadcasting	51312	2,050	1,937	132.2	126.7	7,451	7,359
Cable networks & program distribution	5132	5,270	6,692	212.7	245.4	10,084	11,730
Cable networks	51321	689	887	39.1	41.0	2,654	2,964
Cable & other program distribution	51322	4,581	5,805	173.6	204.4	7,430	8,767
Telecommunications	5133	41,209	43,749	1,165.5	1,262.2	66,389	69,490
Wired telecommunications carriers	51331	26,223	27,509	870.2	905.5	49,010	50,210
Wireless telecommunications carriers (except satellite)	51332	10,424	11,610	202.5	256.6	11,027	13,368
Paging	513321	4,098	3,900	72.4	72.5	3,396	3,488
Cellular & other wireless telecommunications	513322	6,326	7,710	130.1	184.1	7,631	9,880
Telecommunications resellers	51333	2,458	2,475	54.6	59.9	3,342	3,218
Satellite telecommunications	51334	728	737	21.3	21.3	1,680	1,492
Other telecommunications	51339	1,379	1,418	16.9	18.9	1,330	1,202
Information services & data processing services	514	23,175	22,725	529.0	579.6	33,544	32,197
Information services	5141	14,139	13,437	232.5	262.1	19,023	16,709
News syndicates	51411	567	540	11.3	12.2	648	680
Libraries & archives	51412	2,754	2,725	33.8	36.1	679	920
Other information services	51419	10,818	10,172	187.4	213.7	17,696	15,109
Online information services	514191	10,257	9,608	177.3	202.1	15,690	14,410
All other information services	514199	561	564	10.1	11.6	2,006	700
Data processing services	5142	9,036	9,288	296.6	317.5	14,521	15,488

¹ North American Industry Classification System, 1997; see text, this section, and Section 15. ² For employees on the payroll for the pay period including March 12.

Source: U.S. Census Bureau, "County Business Patterns"; 2001 data published 10 April 2003; <<http://www.census.gov/epcd/cbp/view/cbpview.html>>.

No. 1122. Gross Domestic Income in Information Technologies (IT) Industries: 1992 to 2000

[In millions of dollars (353,202 represents \$353,202,000,000), except as noted]

Industry	NAICS ¹ code	1992	1995	1998	1999	2000 est.
Total IT-producing industries	(X)	353,202	470,912	646,930	718,151	796,567
Percent share of the economy	(X)	5.6	6.4	7.3	7.7	8.0
Hardware	(X)	110,500	155,409	210,914	225,368	251,655
Computers and equipment, calc. machines	(X)	24,102	31,036	39,211	38,583	46,223
Computers and equipment wholesale sales	(2)	39,743	51,114	75,084	81,016	87,676
Computer and equipment retail sales	443120pt.	1,915	2,861	3,407	3,676	3,985
Electron tubes	334411	1,053	1,206	1,316	1,349	1,525
Printed circuit boards	334412	3,556	4,406	5,527	5,908	5,985
Semiconductors	334413	18,308	40,836	57,055	64,072	72,293
Passive electronic components	334414,5,6,8pt.,9	13,494	15,310	12,072	12,881	14,503
Industrial instruments for measurement	334513	2,552	2,526	4,874	5,010	5,156
Instruments for measuring electricity	334514pt.,334515	3,493	3,981	8,383	8,659	9,212
Laboratory analytical instruments	334516	1,835	2,134	3,986	4,213	5,098
Software and services ³	(X)	75,490	111,350	185,609	213,986	245,656
Computer programming services	541511	18,624	26,119	47,796	55,013	62,715
Prepackaged software	511210,334611	14,554	22,768	34,497	40,016	46,419
Computer integrated system design	541512	11,814	13,599	24,691	28,420	32,598
Computer processing, data preparation	514210	12,554	21,844	28,062	32,300	37,048
Information retrieval services	514191,8	2,879	3,910	8,977	10,333	11,852
Computer services management	541513	1,910	2,090	2,942	3,386	3,884
Computer rental and leasing	532420	1,528	1,880	2,944	3,389	3,887
Computer maintenance and repair	811212	4,989	6,949	10,029	11,544	13,241
Computer related services, n.e.c. ⁴	541519	4,406	9,305	21,261	24,471	28,081
Communications hardware ³	(X)	23,970	30,775	46,709	51,431	61,464
Telephone equipment, exc. ext. modems	334210,334418pt.	10,251	12,139	21,807	24,968	29,712
Radio & TV communications equipment	334220, 334290	10,134	14,310	20,642	22,252	26,524
Communications services	(X)	143,692	173,378	203,698	227,366	237,792
Telephone and telegraph communications	(2)	128,700	151,600	173,900	195,100	204,075
Cable and other pay TV services	513210,20	14,992	21,778	29,798	32,266	33,718

X Not applicable. ¹ North American Industry Classification System, 1997; see text, Section 15. ² NAICS 334111,2,3,9, 334418pt., 333311pt.,3pt. ³ Includes other industries, not shown separately. ⁴ N.e.c. means not elsewhere classified. ⁵ NAICS 513310,21,22,30,40,90.

No. 1123. Information Technologies (IT)—Employment and Wages: 1995 to 2000

[97,885 represents 97,885,000]

Industry	1987 SIC ¹ code	Employment (1,000)			Annual wages per worker (dol.)		
		1995	1999	2000	1995	1999	2000
Total private	(X)	97,885	108,709	111,079	27,200	32,900	35,000
Total IT-producing industries	(X)	4,004.2	5,256.0	5,596.6	46,900	65,600	73,800
Hardware	(X)	1,475.3	1,707.2	1,748.7	46,300	65,900	77,200
Electronic computers	3571	190.0	195.7	198.0	59,600	98,000	124,300
Computers and equipment wholesalers	5045pt	285.1	392.0	387.7	54,300	80,400	88,200
Computers and equipment retailers	5734pt	93.7	136.8	142.5	33,700	43,300	47,900
Computer storage devices & peripheral equipment	3572,7	104.5	114.8	107.3	46,500	65,600	84,200
Computer terminals, office & accounting, machines	3575,8,9	57.7	57.0	56.1	46,600	64,300	67,600
Electron tubes	3671	24.0	20.7	20.1	41,900	48,400	59,900
Semiconductors	3674	235.2	272.1	293.9	53,800	74,900	93,500
Printed circuit boards, electronic capacitors	3672,5-8	187.0	195.6	210.5	28,300	35,100	39,800
Electronic components, n.e.c. ²	3679	134.6	152.4	157.7	32,900	41,800	45,900
Industrial instruments for measurement	3823	64.2	69.9	72.6	38,400	48,500	54,300
Instruments for measuring electricity	3825	71.2	68.3	69.6	51,600	70,600	82,500
Analytical instruments	3826	28.1	31.9	32.7	44,200	58,700	75,400
Software/services ³	(X)	1,109.6	1,903.2	2,122.8	50,700	72,200	80,900
Computer programming services	7371	245.3	454.7	518.7	52,700	69,000	81,600
Prepackaged software	7372	180.8	270.1	299.9	63,700	115,400	117,400
Computer integrated systems design	7373	129.9	210.7	223.5	54,700	69,400	78,700
Computer processing & data preparation	7374	223.1	276.1	284.8	39,700	49,200	52,300
Information retrieval services	7375	56.9	158.4	243.0	42,200	73,200	89,500
Computer maintenance & repair	7378	48.6	58.2	53.7	37,800	42,700	44,800
Computer services management, rental & leasing	7376,7,9	205.3	447.2	471.3	51,800	68,400	74,900
Communications equipment ³	(X)	337.3	334.5	341.5	43,200	59,200	68,300
Telephone and telegraph equipment	3661	111.7	120.9	126.7	49,900	70,700	80,500
Radio and TV communications equipment, n.e.c. ²	3663,9	153.2	147.6	149.5	42,700	57,200	68,200
Communication services	(X)	1,081.9	1,311.1	1,383.6	45,100	57,300	60,100
Telephone communications	481	899.7	1,078.7	1,133.9	46,800	58,800	62,100
Telephone & telegraph communications	482,489	26.7	32.2	33.9	48,500	71,200	76,500
Cable & other pay TV services	4841	155.5	199.2	215.8	34,600	47,000	47,200

X Not applicable. ¹ 1987 Standard Industrial Classification code. See text, Section 12. ² N.e.c. means not elsewhere classified. ³ Includes other industries, not shown separately.

Source of tables 1122 and 1123: U.S. Department of Commerce, Economics and Statistics Administration, *The Digital Economy 2002*, March 2002. See Internet site <<http://www.esa.doc.gov/pdf/DE2002r1.pdf>>.

No. 1124. Communications Industry—Finances: 1998 to 2001

[In millions of dollars (198,877 represents \$198,877,000,000). Covers 353 publicly reporting media and communications companies with revenues of over \$1 million in 12 media and communication industry segments. Minus sign (-) indicates loss]

Industry	Revenue				Operating income			
	1998	1999	2000	2001	1998	1999	2000	2001
Total	198,877	221,199	255,246	261,655	25,884	25,705	19,716	15,758
Advertising, marketing services and specialty media ¹	27,247	32,119	36,797	38,110	3,553	3,693	3,536	3,912
Marketing services holding companies	16,278	18,896	20,771	22,781	1,950	2,276	2,643	2,760
Telephone directory publishing	4,305	4,411	4,751	4,482	1,113	1,180	1,344	1,356
Specialty media	2,632	2,922	3,310	3,463	310	367	456	421
E-marketers	1,161	1,871	2,619	1,851	-127	-367	-1,394	-699
Broadcast television	24,026	25,623	30,414	29,820	4,609	5,078	6,330	5,085
Television network companies	18,855	19,989	23,997	24,201	2,979	3,515	4,500	4,003
Television station broadcasters	5,171	5,634	6,418	5,619	1,630	1,563	1,830	1,081
Cable and satellite television	29,033	34,210	44,567	51,984	2,650	1,715	-1,672	-1,125
Cable and satellite providers	19,022	23,055	31,650	37,851	944	226	-1,715	-3,780
Cable and satellite networks	10,011	11,155	12,918	14,133	1,706	1,488	43	2,655
Radio broadcasting	3,500	4,995	6,876	6,766	822	1,136	999	699
Entertainment	44,029	46,532	47,362	44,093	3,996	3,775	1,726	1,530
Filmed entertainment	27,106	27,053	26,950	27,208	2,038	1,850	1,151	1,142
Recorded music	9,544	10,672	11,433	9,208	606	432	29	-341
Interactive entertainment	7,379	8,806	8,978	7,677	1,353	1,493	546	729
Consumer Internet	4,527	6,834	11,301	12,326	-341	-1,037	960	-38
Internet service providers	3,995	5,650	8,873	10,352	-53	-340	2,111	2,983
Newspaper publishing	22,135	23,904	24,900	23,728	4,547	5,268	5,318	3,946
Consumer book publishing	3,952	4,067	4,197	4,552	186	278	471	483
Consumer magazine publishing	7,311	7,113	7,245	7,460	938	1,024	56	-205
Business-to-business communications	2,094	2,251	2,443	2,186	310	308	410	172
Professional, educational and training media	9,675	11,059	12,792	12,289	959	1,122	1,187	992
Professional and educational media	6,460	7,132	8,155	6,768	690	876	1,093	731
Adult education/corporate training	3,215	3,928	4,637	5,521	269	246	94	261
Business information services ¹	21,347	22,891	26,354	28,341	3,654	3,346	396	308
Financial information	13,461	13,755	14,900	15,699	2,687	2,596	2,349	2,456
Healthcare information	3,256	3,945	4,571	4,701	341	195	-2,245	-2,116

¹ Includes other industries, not shown separately.

No. 1125. Media Usage and Consumer Spending: 1998 to 2006

[Estimates of time spent were derived using rating data for television, cable and satellite television, and radio; survey research and consumer purchase data (units, admissions, access) for books, home video, Internet, interactive TV, magazines, movies in theaters, newspapers, recorded music, and video games. Adults 18 and older were the basis for estimates for television, cable & satellite television, daily newspapers, consumer books, consumer magazines, home video, and interactive TV. Persons 12 and older were the basis for estimates for radio, recorded music, movies in theaters, video games, and consumer Internet]

Item	1998	1999	2000	2001	2002, proj.	2003, proj.	2004, proj.	2005, proj.	2006, proj.
HOURS PER PERSON PER YEAR									
Total	3,347	3,469	3,519	3,570	3,623	3,661	3,715	3,750	3,785
Television	1,551	1,588	1,640	1,661	1,661	1,656	1,669	1,672	1,679
Broadcast TV	884	867	865	815	810	798	796	790	787
Network stations ¹	710	706	805	753	749	736	735	729	726
Independent stations ¹	174	162	61	62	61	61	61	61	61
Cable & satellite TV	667	720	774	846	851	858	873	881	892
Basic cable and satellite TV ¹	565	617	638	692	698	706	720	729	726
Premium cable and satellite TV ¹	101	103	137	154	153	152	153	152	166
Radio	936	967	964	983	1,013	1,014	1,032	1,049	1,062
Box office	13	13	12	13	13	13	14	14	14
Home video ²	36	39	46	56	77	96	109	120	126
Interactive TV ³	-	2	2	2	2	3	3	5	6
Recorded music	283	290	264	238	228	219	211	203	195
Video games	43	61	75	78	84	90	95	101	106
Consumer Internet	54	82	106	134	157	174	189	199	213
Daily newspapers	185	183	179	177	175	173	172	170	169
Consumer books	120	121	111	109	107	106	105	104	103
Consumer magazines	125	124	121	119	117	116	115	113	112
CONSUMER SPENDING PER PERSON PER YEAR (dol.)									
Total	570.29	622.32	645.10	683.33	727.90	774.52	815.59	852.93	885.31
Television	167.38	181.71	194.63	210.58	225.34	241.30	255.18	269.18	282.17
Broadcast TV	-	-	-	-	-	-	-	-	-
Cable and satellite TV	167.38	181.71	194.63	210.58	225.34	241.30	255.18	269.18	282.17
Basic cable & satellite networks	125.77	135.61	146.73	158.94	168.75	178.64	187.65	195.62	202.64
Premium cable & satellite services	41.61	46.10	47.90	51.64	56.58	62.66	67.54	73.56	79.53
Radio	-	-	-	-	-	-	-	-	-
Box office	31.23	33.11	33.40	36.57	39.79	41.86	44.33	45.82	48.88
Home video ²	92.58	97.33	102.46	109.60	119.23	127.80	135.84	141.35	141.84
Interactive TV ³	-	2.22	2.86	5.02	6.63	8.09	9.50	11.28	12.85
Recorded music	61.67	65.13	62.80	60.57	58.81	57.27	55.82	54.30	52.70
Video games	18.49	24.45	25.93	27.96	30.46	33.60	35.87	38.38	40.92
Consumer Internet	27.63	41.77	50.63	62.08	75.10	88.96	100.99	111.76	122.32
Newspapers	53.37	53.83	53.39	54.12	54.70	55.68	56.24	56.57	57.36
Consumer books	84.16	89.04	87.34	86.13	87.02	88.95	90.68	92.37	93.75
Consumer magazines	46.45	46.15	44.87	43.57	44.07	44.60	45.10	46.26	47.42

- Represents zero. ¹ UPN, WB, and PAX affiliates included in independent stations and pay-per-view included basic cable from 1998 to 1999. ² UPN, WB, and PAX affiliates moved to network-affiliated stations and pay-per-view moved to premium services in 2000. ³ Playback of prerecorded tapes only. ⁴ Video-on-demand (VOD) only. Personal video recorders (PVRs) included in total TV.

Source for Tables 1124 and 1125: Veronis Suhler Stevenson, New York, NY, *Communications Industry Report Forecast*, annual (copyright) and *Communications Industry Forecast*, annual (copyright).

No. 1126. Utilization of Selected Media: 1970 to 2001

[62.0 represents 62,000,000]

Item	Unit	1970	1980	1990	1995	1996	1997	1998	1999	2000	2001
Households with—											
Telephone service ¹	Percent	87.0	93.0	93.3	93.9	93.8	93.9	94.1	94.0	94.6	94.6
Radio ²	Millions	62.0	78.6	94.4	98.0	98.0	98.0	(NA)	(NA)	(NA)	(NA)
Percent of total households	Percent	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
Average number of sets	Number	5.1	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Television ³	Millions	59	76	92	95	96	97	98	99	101	102
Percent of total households	Percent	95.3	97.9	98.2	98.3	98.3	98.4	98.3	98.2	98.2	98.2
Television sets in homes	Millions	81	128	193	217	223	229	235	240	245	248
Average number of sets per home	Number	1.4	1.7	2.1	2.3	2.3	2.4	2.4	2.4	2.4	2.4
Color set households	Millions	21	63	90	94	95	97	98	99	101	102
Cable television ⁴	Millions	4	15	52	60	63	64	66	67	69	69
Percent of TV households	Percent	6.7	19.9	56.4	63.4	65.3	66.5	67.2	67.5	68.0	68.0
VCRs ⁴	Millions	(NA)	1	63	77	79	82	83	84	86	88
Percent of TV households	Percent	(NA)	1.1	68.6	81.0	82.2	84.2	84.6	84.6	85.1	86.2
Commercial radio stations: ²											
AM	Number	4,323	4,589	4,987	4,909	4,857	4,762	4,793	4,783	4,685	4,727
FM	Number	2,196	3,282	4,392	5,296	5,419	5,542	5,662	5,766	5,892	6,051
Television stations: ⁵ Total	Number	862	1,011	1,442	1,532	1,533	1,564	1,589	1,615	1,663	1,686
Commercial	Number	677	734	1,092	1,161	1,174	1,195	1,221	1,243	1,288	1,309
VHF	Number	501	516	547	562	554	555	561	561	567	572
UHF	Number	176	218	545	599	620	640	660	682	721	737
Cable television:											
Systems ⁶	Number	2,490	4,225	9,575	11,218	11,119	10,950	10,845	10,700	10,243	9,926
Households served ⁷	Millions	4.5	17.7	54.9	63.0	64.6	65.9	67.0	68.5	69.3	73.0
Daily newspaper circulation ⁸	Millions	62.1	62.2	62.3	58.2	57.0	56.7	56.2	56.0	55.8	55.6

NA Not available. ¹ For occupied housing units. 1970 and 1980 as of April 1; all other years as of March. Source: U.S. Census Bureau, *1970 and 1980 Census of Housing*, Vol. 1; thereafter Federal Communications Commission, *Trends in Telephone Service*, annual. ² 1980-1995 as of December 31, except as noted. Source: M Street Corp. as reported by Radio Advertising Bureau New York, NY, through 1990, *Radio Facts*, annual, (copyright); beginning 1995, *Radio Marketing Guide and Fact Book for Advertisers*, annual, (copyright). Number of stations on the air compiled from Federal Communications Commission reports. Beginning 1996, Federal Communications Commission, unpublished data as of Sept. 30. ³ 1970, as of September of prior year; all other years as of January of year shown. Excludes Alaska and Hawaii. Source: Television Bureau of Advertising, Inc., *Trends in Television*, annual (copyright). ⁴ As of February. Excludes Alaska and Hawaii. Source: See footnote 3. ⁵ Source: Beginning 1997, Federal Communications Commission, unpublished data. See Internet site <<http://www.fcc.gov/mb/audiol/totals.html>>, 1997 and 1998 as of December; beginning 1999, as of September. For prior years data, see footnote 3. ⁶ As of January 1. Source: Warren Communications News, Washington DC, *Television and Cable Factbook* (copyright). ⁷ Source: Nielsen Media Research, New York, NY, *Nielsen Station Index*, November estimates (copyright). ⁸ As of September 30. Source: Editor & Publisher, Co., New York, NY, *Editor & Publisher International Year Book*, annual (copyright).
Source: Compiled from sources mentioned in footnotes.

No. 1127. Multimedia Audiences—Summary: 2002

[In percent, except total (203,836 represents 203,836,000). As of spring. For persons 18 years old and over. Represents the percent of persons participating during the prior week, except as indicated. Based on sample and subject to sampling error; see source for details]

Item	Total population (1,000)	Television viewing	Television prime time viewing	Cable viewing ¹	Radio listening	Newspaper reading	Accessed Internet ²
Total	203,836	94.3	83.1	76.5	83.9	80.0	57.8
18 to 24 years old	26,865	92.6	75.8	73.6	90.6	75.1	69.7
25 to 34 years old	37,787	93.5	82.2	74.2	90.2	76.8	69.4
35 to 44 years old	44,988	93.9	82.9	78.1	90.0	82.3	66.1
45 to 54 years old	37,479	94.1	83.6	79.0	87.2	82.8	65.3
55 to 64 years old	23,719	94.9	86.3	79.6	79.8	82.1	49.9
65 years old and over	32,997	96.8	87.7	74.0	61.9	79.7	20.7
Male	97,691	94.5	83.1	77.2	85.7	80.0	59.2
Female	106,145	94.2	83.2	75.8	82.2	80.0	56.5
White	169,680	94.1	83.2	77.7	84.2	80.0	59.7
Black	24,452	96.0	84.6	71.6	85.7	82.8	42.3
Asian	6,030	93.0	78.7	66.7	73.3	71.9	67.2
Other	3,675	96.4	77.8	67.0	75.2	72.3	59.3
Spanish speaking	24,128	96.1	85.1	64.5	87.2	66.7	44.3
Not high school graduate	34,243	94.4	82.4	62.9	73.9	63.1	19.0
High school graduate	66,300	94.9	84.3	77.5	82.5	79.9	44.7
Attended college	55,432	94.5	82.9	80.3	87.8	83.2	72.5
College graduate	47,861	93.1	82.2	80.3	88.2	88.4	86.7
Employed:							
Full time	111,801	93.5	82.4	79.2	90.9	82.2	70.3
Part time	19,402	94.1	79.9	76.5	88.2	82.0	65.4
Not employed	72,634	95.6	85.2	72.3	71.9	76.1	36.5
Household income:							
Less than \$10,000	12,463	93.6	83.2	55.9	69.2	66.8	19.5
\$10,000 to \$19,999	22,354	94.6	82.9	62.3	72.2	69.4	24.4
\$20,000 to \$29,999	24,287	94.6	83.9	67.8	77.9	73.5	35.0
\$30,000 to \$34,999	11,616	94.9	84.4	72.2	82.7	77.0	43.3
\$35,000 to \$39,999	11,365	94.3	84.5	74.2	84.5	78.9	48.1
\$40,000 to \$49,999	20,910	94.2	83.8	77.2	86.0	79.7	56.8
\$50,000 or more	100,840	94.2	82.5	84.8	89.3	86.0	78.4

¹ In the past 7 days. ² In the last 30 days.

Source: Mediamark Research Inc., New York, NY, *Multimedia Audiences*, spring 2002 (copyright).

No. 1128. Newspapers and Periodicals—Number by Type: 1980 to 2002

[Data refer to year of compilation of the directory cited as the source, i.e., generally to year preceding year shown. Data for 1995 and prior years include Canada and Mexico]

Type	1980	1985	1990	1995	1997	1998	1999	2000	2001	2002
Newspapers ¹	9,620	9,134	11,471	12,246	10,042	10,504	10,530	10,696	10,739	10,855
Semiweekly	537	517	579	705	558	557	560	558	573	555
Weekly	7,159	6,811	8,420	9,011	7,191	7,267	7,471	7,594	7,622	7,440
Daily	1,744	1,701	1,788	1,710	1,582	1,461	1,647	1,661	1,656	1,507
Periodicals ¹	10,236	11,090	11,092	11,179	8,530	12,448	11,751	13,019	13,878	13,846
Weekly	1,716	1,367	553	513	350	382	366	402	407	393
Monthly	3,985	4,088	4,239	4,067	3,067	3,378	3,204	3,572	3,636	3,605
Bimonthly	1,114	1,361	2,087	2,568	1,943	2,184	2,034	2,294	2,358	2,328
Quarterly	1,444	1,759	2,758	3,621	2,893	3,386	3,158	3,578	3,814	3,826

¹ Includes other items not shown separately.

Source: Gale Group, Farmington Hills, MI, *Gale Directory of Publications and Broadcast Media*, annual (copyright).

No. 1129. Newspaper, Periodical, Database, and Directory Publishers—Estimated Revenue, Printing Expenses, and Inventories: 1999 to 2001

[In millions of dollars (48,414 represents \$48,414,000,000). For taxable and tax-exempt employer firms. Estimates have not been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System, 1997; see text, this section, and Section 15]

Item	Newspaper publishers (NAICS 51111)			Periodical publishers (NAICS 51112)			Database and directory publishers (NAICS 51114)		
	1999	2000	2001	1999	2000	2001	1999	2000	2001
Revenue¹	48,414	51,507	47,277	37,901	39,834	39,266	15,433	16,657	17,469
Print	(NA)	(NA)	42,367	(NA)	(NA)	31,714	(NA)	(NA)	11,730
Subscription and sales	(NA)	(NA)	9,394	(NA)	(NA)	13,816	(NA)	(NA)	594
Advertising	(NA)	(NA)	32,973	(NA)	(NA)	17,898	(NA)	(NA)	11,136
Internet	(NA)	(NA)	433	(NA)	(NA)	1,150	(NA)	(NA)	1,010
Subscription and sales	(NA)	(NA)	(S)	(NA)	(NA)	856	(NA)	(NA)	603
Advertising	(NA)	(NA)	324	(NA)	(NA)	293	(NA)	(NA)	407
Contract printing	(NA)	(NA)	1,788	(NA)	(NA)	934	(NA)	(NA)	144
Distribution of flyers, inserts, etc.	(NA)	(NA)	977	(NA)	(NA)	110	(NA)	(NA)	(NA)
Graphic design services	(NA)	(NA)	42	(NA)	(NA)	44	(NA)	(NA)	(NA)
Sales or licensing of rights of content	(NA)	(NA)	75	(NA)	(NA)	231	(NA)	(NA)	121
Rental or sales of mailing lists	(NA)	(NA)	14	(NA)	(NA)	161	(NA)	(NA)	1,253
Publishing services for others	(NA)	(NA)	12	(NA)	(NA)	369	(NA)	(NA)	31
Expenses: Purchased printing	3,427	3,352	3,121	4,287	4,981	4,426	1,198	1,112	1,238
Inventories at end of year	737	786	748	1,258	1,340	1,185	408	398	376
Finished goods and work-in-process	43	51	63	877	879	773	383	370	355
Materials, supplies, fuel, etc.	694	736	685	381	462	413	(S)	(S)	22

NA Not available. S Data do not meet publication standards. ¹ Includes other sources of revenue, not shown separately.

Source: U.S. Census Bureau, 2001 Service Annual Survey, *Information Sector Services* and prior issues. See Internet site <<http://www.census.gov/econ/www/servmenu.html>> (released February 2003).

No. 1130. Daily and Sunday Newspapers—Number and Circulation: 1970 to 2002

[Number of newspapers as of February 1 the following year. Circulation figures as of September 30 of year shown (62.1 represents 62,100,000). For English language newspapers only]

Type	1970	1975	1980	1985	1990	1995	1997	1998	1999	2000	2001	2002
NUMBER												
Daily: Total ¹	1,748	1,756	1,745	1,676	1,611	1,533	1,509	1,489	1,483	1,480	1,468	1,457
Morning	334	339	387	482	559	656	705	721	736	766	776	777
Evening	1,429	1,436	1,388	1,220	1,084	891	816	781	760	727	704	692
Sunday	586	639	736	798	863	888	903	898	905	917	913	913
CIRCULATION (mil.)												
Daily: Total ¹	62.1	60.7	62.2	62.8	62.3	58.2	56.7	56.2	56.0	55.8	55.6	55.2
Morning	25.9	25.5	29.4	36.4	41.3	44.3	45.4	45.6	46.0	46.8	46.8	46.6
Evening	36.2	35.2	32.8	26.4	21.0	13.9	11.3	10.5	10.0	9.0	8.8	8.6
Sunday	49.2	51.1	54.7	58.8	62.6	61.5	60.5	60.1	59.9	59.4	59.1	58.8
PER CAPITA CIRCULATION²												
Daily: Total ¹	0.30	0.28	0.27	0.26	0.25	0.22	0.21	0.20	0.20	0.20	0.19	0.19
Morning	0.13	0.12	0.13	0.15	0.17	0.17	0.17	0.17	0.16	0.17	0.16	0.16
Evening	0.18	0.16	0.14	0.11	0.08	0.05	0.04	0.04	0.04	0.03	0.03	0.03
Sunday	0.24	0.24	0.24	0.25	0.25	0.23	0.22	0.22	0.21	0.21	0.21	0.20

¹ All-day newspapers are counted in both morning and evening columns but only once in total. Circulation is divided equally between morning and evening. ² Based on U.S. Census Bureau estimated resident population as of July 1, except 2000, enumerated resident population as of April 1.

Source: Editor & Publisher Co., New York, NY, *Editor & Publisher International Year Book*, annual (copyright).

No. 1131. Daily Newspapers—Number and Circulation by Size of City: 1980 to 2002

[Number of newspapers as of February 1 the following year. Circulation as of September 30 (29,413 represents 29,413,000). For English language newspapers only. See Table 29 for number of cities by population size. All-day newspapers are counted in both morning and evening columns; circulation is divided equally between morning and evening.]

Type of daily and population-size class	Number					Net paid circulation (1,000)				
	1980	1990	1995	2000	2002	1980	1990	1995	2000	2002
Morning dailies, total . . .	387	559	656	766	776	29,413	41,311	44,310	46,772	46,617
In cities of—										
1,000,001 or more	20	18	25	26	26	8,795	6,508	10,173	10,820	10,613
500,001 to 1,000,000	27	22	22	25	31	5,705	4,804	5,587	5,412	6,727
100,001 to 500,000	99	138	153	163	162	8,996	20,051	17,214	17,469	16,512
50,001 to 100,000	75	100	138	162	159	2,973	4,373	5,602	5,887	5,576
25,001 to 50,000	64	102	115	141	148	1,701	3,209	3,150	3,899	3,764
Less than 25,000	102	179	203	249	250	1,243	2,365	2,584	3,285	3,424
Evening dailies, total . . .	1,388	1,084	891	727	704	32,788	21,017	13,883	9,000	8,569
In cities of—										
1,000,001 or more	11	7	3	1	1	2,984	1,423	390	1	1
500,001 to 1,000,000	23	12	7	3	6	4,101	1,350	1,017	519	833
100,001 to 500,000	123	71	45	32	28	8,178	4,687	2,529	1,603	1,366
50,001 to 100,000	156	94	72	54	51	4,896	2,941	2,029	1,332	1,181
25,001 to 50,000	246	204	158	124	123	5,106	4,278	2,819	1,898	1,790
Less than 25,000	829	696	606	513	495	7,523	6,338	5,099	3,648	3,398

Source: Editor & Publisher Co., New York, NY, *Editor & Publisher International Year Book*, annual (copyright).

No. 1132. Daily and Sunday Newspapers—Number and Circulation, 1991 to 2001, and by State, 2002

[Number of newspapers as of February 1 the following year. Circulation as of September 30 (60,687 represents 60,687,000). For English language newspapers only. California, New York, Massachusetts, and Virginia Sunday newspapers include national circulation]

State	Daily			Sunday		State	Daily			Sunday	
	Num-ber	Circulation ¹		Num-ber	Net paid circula-tion (1,000)		Num-ber	Circulation ¹		Num-ber	Net paid circula-tion (1,000)
		Net paid (1,000)	Per capita ²					Net paid (1,000)	Per capita ²		
Total, 1991	1,586	60,687	0.24	875	62,068	Maine	7	230	0.18	4	193
Total, 1992	1,570	60,164	0.23	891	62,160	Maryland	13	596	0.11	9	917
Total, 1993	1,556	59,812	0.23	884	62,566	Massachusetts	32	1,610	0.25	16	1,548
Total, 1994	1,548	59,305	0.23	886	62,294	Michigan	48	1,704	0.17	27	1,935
Total, 1995	1,533	58,193	0.22	888	61,529	Minnesota	25	835	0.17	14	1,127
Total, 1996	1,520	56,983	0.21	890	60,798	Mississippi	23	369	0.13	18	374
Total, 1997	1,509	56,728	0.21	903	60,484	Missouri	43	944	0.17	23	1,173
Total, 1998	1,489	56,182	0.20	898	60,066	Montana	11	184	0.20	7	185
Total, 1999	1,483	55,979	0.20	905	59,894	Nebraska	17	407	0.24	6	389
Total, 2000	1,480	55,773	0.20	917	59,421	Nevada	8	299	0.14	4	325
Total, 2001	1,468	55,578	0.19	913	59,090	New Hampshire	11	221	0.17	8	230
Total, 2002	1,457	55,186	0.19	913	58,780	New Jersey	18	1,328	0.15	15	1,637
Alabama	24	633	0.14	20	709	New Mexico	18	281	0.15	13	287
Alaska	7	108	0.17	5	125	New York	59	6,610	0.35	37	5,481
Arizona	16	790	0.14	11	892	North Carolina	47	1,325	0.16	39	1,463
Arkansas	28	471	0.17	16	538	North Dakota	10	163	0.26	7	167
California	91	5,930	0.17	61	6,669	Ohio	84	2,354	0.21	42	2,645
Colorado	29	1,037	0.23	15	1,188	Oklahoma	43	618	0.18	36	768
Connecticut	17	701	0.20	13	785	Oregon	19	669	0.19	11	717
Delaware	2	138	0.17	2	160	Pennsylvania	82	2,686	0.22	41	3,074
District of Columbia	2	848	1.49	2	1,095	Rhode Island	6	220	0.21	3	264
Florida	40	3,005	0.18	36	3,800	South Carolina	16	621	0.15	14	716
Georgia	33	983	0.11	28	1,274	South Dakota	11	156	0.20	4	136
Hawaii	6	269	0.22	6	305	Tennessee	25	840	0.14	17	1,018
Idaho	12	206	0.15	8	228	Texas	84	2,866	0.13	81	3,789
Illinois	66	2,353	0.19	30	2,455	Utah	6	327	0.14	6	357
Indiana	68	1,282	0.21	25	1,255	Vermont	8	121	0.20	3	96
Iowa	37	601	0.20	12	621	Virginia	25	3,132	0.43	17	1,161
Kansas	43	416	0.15	14	374	Washington	23	1,083	0.18	17	1,233
Kentucky	23	594	0.15	14	630	West Virginia	21	351	0.19	12	354
Louisiana	26	704	0.16	21	777	Wisconsin	35	881	0.16	18	1,070
						Wyoming	9	86	0.17	5	70

¹ Circulation figures based on the principal community served by a newspaper which is not necessarily the same location as the publisher's office. ² Per capita based on estimated resident population as of July 1, except 2000, enumerated resident population as of April 1.

Source: Editor & Publisher Co., New York, NY, *Editor & Publisher International Year Book*, annual (copyright).

No. 1133. Periodicals—Average Retail Prices: 1999 to 2003

[In dollars]

Subject	1999	2000	2001	2002	2003
Agriculture	469.90	509.65	536.65	578.14	630.29
Anthropology	259.21	273.84	269.51	329.79	353.44
Art and architecture	98.24	101.02	104.29	105.74	121.64
Astronomy	1,074.54	1,094.78	1,155.22	1,290.83	1,357.23
Biology	902.43	973.36	1,031.12	1,097.09	1,175.68
Botany	710.92	763.92	794.60	834.40	900.62
Business and economics	408.35	457.56	501.79	551.37	590.84
Chemistry	1,682.94	1,825.68	1,986.00	2,185.76	2,403.06
Education	207.79	230.20	254.71	278.50	305.73
Engineering and technology	981.19	1,071.02	1,166.22	1,263.49	1,359.52
Food science	650.23	708.06	767.16	799.16	829.44
General science	697.93	773.15	852.43	929.86	992.52
General works	85.69	88.11	88.99	95.26	105.34
Geography	566.11	636.44	686.60	775.62	819.45
Geology	778.55	840.59	898.94	972.52	1,037.93
Health sciences	626.44	677.78	730.52	783.34	849.62
History	101.72	107.60	113.76	120.24	137.34
Language and literature	92.31	96.37	101.72	110.28	124.47
Law	140.06	148.08	159.51	175.66	198.22
Library and information science	222.15	233.88	249.86	266.69	296.25
Math and computer science	890.12	965.98	1,039.88	1,119.75	1,151.71
Military and naval science	282.33	308.11	360.56	354.20	396.85
Music	87.33	89.01	91.49	94.29	104.04
Philosophy and religion	123.27	131.48	136.78	148.64	169.89
Physics	1,747.89	1,877.86	2,016.08	2,194.09	2,357.86
Political science	208.07	229.01	257.31	287.96	315.00
Psychology	275.93	303.44	330.60	362.54	396.04
Recreation	103.33	110.85	122.33	139.84	170.47
Sociology	252.82	278.20	306.86	336.56	365.66
Technology	874.66	951.13	1,030.11	1,122.85	1,200.22
Zoology	751.64	822.40	891.33	967.58	1,019.57

Source: Library Journal, New York, NY, *Library Journal*, April 15, 2002. (Copyright 2003, used with permission of Library Journal, a publication of Reed Business Information, a division of Reed Elsevier).

No. 1134. Quantity of Books Sold and Value of U.S. Domestic Consumer Expenditures: 1998 to 2002

[2,414 represents 2,414,000,000. Includes all titles released by publishers in the United States and imports which appear under the imprints of American publishers. Multivolume sets, such as encyclopedias, are counted as one unit]

Type of publication	Net publishers shipments ¹ (mil.)					Domestic consumer expenditures ² (mil. dol.)				
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Total	2,414	2,505	2,493	2,411	2,394	28,816	33,605	34,514	34,466	36,569
Trade	860	935	904	846	818	10,350	11,921	11,469	11,171	12,154
Adult	497	529	457	442	437	7,791	8,882	7,994	7,988	8,942
Hardback	241	260	227	215	212	4,435	5,218	4,666	4,563	5,102
Paperback	256	269	230	227	225	3,357	3,665	3,329	3,425	3,840
Juvenile	364	406	447	404	381	2,558	3,038	3,476	3,229	3,212
Hardback	198	213	230	172	153	1,552	1,814	2,050	1,585	1,612
Paperback	166	193	217	232	228	1,007	1,224	1,425	1,644	1,600
Mass market paperbacks— rack sized	484	485	471	455	453	2,348	2,518	2,644	2,623	2,930
Bookclubs	142	146	143	144	143	1,935	2,036	2,067	2,135	2,342
Hardback	46	48	47	47	47	1,545	1,623	1,649	1,703	1,867
Paperback	95	98	96	96	97	391	413	416	432	474
Mail order publications	78	66	65	52	48	487	495	517	424	400
Religious	171	174	171	174	174	2,037	2,221	2,276	2,383	2,305
Hardback	64	65	64	66	65	1,295	1,410	1,440	1,509	1,460
Paperback	106	108	107	108	109	742	810	836	874	845
Professional	170	178	187	168	167	4,751	5,297	5,753	5,315	5,767
Hardback	66	69	72	65	65	3,406	3,797	4,128	3,811	4,133
Paperback	104	109	115	103	103	1,345	1,501	1,624	1,505	1,634
University press	30	32	31	30	29	485	531	531	522	524
Hardback	9	10	10	9	9	234	256	267	262	262
Paperback	21	22	22	21	20	251	274	264	260	261
Elhi text	302	305	334	349	363	3,736	3,859	4,373	4,714	4,478
Hardback	115	116	127	133	139	2,033	2,103	2,382	2,563	2,434
Paperback	187	189	206	216	224	1,703	1,756	1,991	2,151	2,044
College text	176	184	186	194	198	3,365	3,773	3,905	4,187	4,706
Hardback	79	82	83	87	89	2,252	2,524	2,609	2,823	3,173
Paperback	97	102	103	107	109	1,113	1,250	1,296	1,363	1,533
Subscription reference	1	1	1	1	1	929	955	980	992	965

¹ Net, after returns. ² Revised since originally published.

Source: Book Industry Study Group, Inc., New York, NY, *Book Industry Trends, 2003*, annual (copyright).

No. 1135. American Book Title Production: 1999 and 2000

[Data compiled from R.R. Bowker's Books in Print database. Includes the output of small presses and self publishers]

Subject	Total		Hardcover		Mass market ¹		Trade ²	
	1999	2000, prel.	1999	2000, prel.	1999	2000, prel.	1999	2000, prel.
	Total	119,357	96,080	53,109	44,695	8,281	6,114	57,967
Agriculture	1,037	881	504	457	10	8	523	416
Art	4,795	3,896	2,293	2,010	22	15	2,480	1,871
Biography	4,051	2,898	2,227	1,569	111	59	1,713	1,270
Business	3,789	2,761	1,408	1,305	14	20	2,367	1,436
Education	3,408	2,639	1,175	877	44	14	2,189	1,748
Fiction	12,372	11,808	3,992	3,532	4,217	3,468	4,163	4,808
General works	1,456	878	732	396	42	14	682	468
History	7,486	6,948	3,841	3,906	35	32	3,610	3,010
Home economics	2,564	1,982	1,160	872	55	33	1,349	1,077
Juvenile	9,438	6,708	5,469	4,007	2,653	1,843	1,316	858
Language	2,565	2,132	1,035	1,029	48	25	1,482	1,078
Law	3,078	2,299	1,406	1,129	6	2	1,666	1,168
Literature	3,646	2,803	2,068	1,501	137	43	1,441	1,259
Medicine	6,153	4,817	2,758	2,190	114	88	3,281	2,539
Music	1,593	987	550	446	25	11	1,018	530
Philosophy, psychology	5,861	4,317	2,415	1,885	216	83	3,230	2,349
Poetry and drama	2,455	1,860	936	550	50	35	1,469	1,275
Religion	6,044	5,086	2,446	2,191	136	85	3,462	2,810
Science	7,862	7,140	4,658	4,426	89	62	3,115	2,652
Sociology, economics	14,579	12,039	6,855	6,209	119	75	7,605	5,755
Sports, recreation	3,252	2,695	1,143	1,041	95	66	2,014	1,588
Technology	8,896	6,449	3,436	2,698	24	13	5,436	3,738
Travel	2,977	2,057	602	469	19	20	2,356	1,568

¹ "Pocket-sized" books sold primarily through magazine and news outlets, supermarkets, variety stores, etc. ² All paperback books, except mass market.

Source: Information Today, Inc., Medford, NJ, *The Bowker Annual Library and Book Trade Almanac, 2001*. (Copyright 2001 by Information Today, Inc.)

No. 1136. Average Per Volume Book Prices: 1999 and 2000

[In dollars. Data compiled from R.R. Bowker's Books in Print database. Includes the output of small presses and self publishers]

Subject	Hardcover		Mass market ¹		Trade ²	
	1999	2000	1999	2000	1999	2000
Total	62.32	60.80	5.64	5.76	32.93	29.48
Agriculture	55.40	67.24	6.42	7.86	39.26	45.68
Art	59.31	48.35	6.95	7.84	26.54	25.83
Biography	45.20	45.41	6.37	6.18	19.99	18.91
Business	131.50	134.26	7.61	8.16	48.85	50.82
Education	59.75	57.75	7.39	7.25	29.18	27.60
Fiction	27.95	25.33	5.58	5.81	16.09	15.75
General works	153.98	137.29	7.01	6.95	40.76	41.44
History	52.25	51.46	6.65	6.79	26.05	26.49
Home economics	38.52	40.16	6.99	7.04	19.32	18.89
Juvenile	23.06	19.91	5.12	5.18	19.47	17.52
Language	55.92	56.01	7.13	6.94	30.17	26.58
Law	100.13	100.35	6.66	6.99	49.52	49.21
Literature	73.92	56.84	6.49	7.26	20.52	20.47
Medicine	90.03	82.25	6.32	5.62	44.41	34.36
Music	55.55	50.63	6.64	8.65	21.71	23.94
Philosophy, psychology	54.01	50.53	7.20	7.53	23.49	20.97
Poetry and drama	46.11	36.98	6.26	5.61	16.04	16.19
Religion	44.68	41.89	7.48	8.20	20.40	18.38
Science	94.55	85.77	6.34	5.80	49.33	38.60
Sociology, economics	62.24	64.67	6.53	6.87	39.20	38.32
Sports, recreation	38.45	37.75	6.73	6.31	22.62	20.99
Technology	100.53	93.86	6.89	6.60	59.82	51.40
Travel	40.31	40.17	8.35	8.29	21.56	19.24

¹ "Pocket-sized" books sold primarily through magazine and news outlets, supermarkets, variety stores, etc. ² All paperback books, except mass market.

Source: Information Today, Inc., Medford, NJ, *The Bowker Annual Library and Book Trade Almanac, 2001*. (Copyright 2001 by Information Today, Inc.)

No. 1137. Book Publishers—Estimated Revenue, Printing Expenses, and Inventories: 1998 to 2001

[In millions of dollars (22,480 represents \$22,480,000,000). For taxable and tax-exempt employer firms. For NAICS 51113. Estimates have not been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System, 1997; see text, this section, and Section 15]

Item	1998	1999	2000	2001
Revenue, total	22,480	24,129	25,236	26,096
Books, print, total	(NA)	(NA)	(NA)	21,310
Books, Internet, total	(NA)	(NA)	(NA)	1,503
Books, other media, total	(NA)	(NA)	(NA)	829
Sale or licensing of rights to content	(NA)	(NA)	(NA)	303
Contract printing services	(NA)	(NA)	(NA)	188
Fulfillment services	(NA)	(NA)	(NA)	143
Rental or sale of mailing lists	(NA)	(NA)	(NA)	(S)
Publishing services for others	(NA)	(NA)	(NA)	39
Other services revenue	(NA)	(NA)	(NA)	1,772
Expenses: Purchased printing	3,908	4,104	4,229	4,212
Inventories at end of year	2,737	2,984	3,463	4,092
Finished goods and work-in-process	2,510	2,723	3,200	3,889
Materials, supplies, fuel, etc.	227	261	263	203

NA Not available. S Data do not meet publication standards.

Source: U.S. Census Bureau, 2001 Service Annual Survey, *Information Sector Services*, and prior issues. See Internet site <<http://www.census.gov/econ/www/servmenu.html>> (released February 2003).

No. 1138. Book Purchasing for Adults: 1991 and 2002

[In percent. Excludes all children's books and books purchased for children under age 14. Based on an ongoing survey of 12,000 households conducted over 12 months ending in December of year shown. For details, see source]

Characteristic	Total		Mass market ¹		Trade ²		Hardcover		Audio, 2002 ³
	1991	2002	1991	2002	1991	2002	1991	2002	
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Age of purchaser:									
Under 25 years old	4.4	5.6	3.8	4.4	5.2	8.0	4.4	4.0	3.5
25 to 34 years old	18.7	13.4	14.0	11.5	25.5	15.8	19.6	12.7	8.8
35 to 44 years old	23.7	17.8	22.7	15.1	25.1	20.5	23.7	21.9	18.6
45 to 54 years old	22.4	24.1	26.0	23.4	18.5	23.9	20.6	25.1	29.8
55 to 64 years old	15.6	21.7	15.8	24.1	13.9	18.8	17.2	19.4	24.2
65 years old and over	15.2	17.4	17.7	21.5	11.8	13.0	14.5	16.9	15.1
Education of household head:									
Not a high school graduate	8.2	7.0	11.6	9.4	5.0	5.2	5.9	5.6	8.4
High school graduate	53.5	54.7	61.2	59.0	44.4	50.7	49.9	54.4	60.8
College graduate	19.0	21.4	15.1	18.6	23.9	23.2	20.3	22.5	18.7
Post college	19.3	16.9	12.1	13.0	26.7	20.9	23.9	17.5	12.1
Occupation of household head:									
Professional/managerial	39.2	35.9	32.0	27.9	47.9	42.8	42.1	39.8	32.2
Sales/service	7.7	8.8	6.6	8.1	8.2	9.3	9.2	10.6	7.8
Blue collar	23.2	18.9	27.0	19.2	19.6	18.2	20.6	18.7	24.0
Retired/unemployed	25.9	34.0	30.4	43.1	20.2	26.5	24.3	28.9	32.3
Other	4.0	2.4	4.0	1.7	4.1	3.2	3.8	2.0	3.7
Household income:									
Under \$30,000	41.8	25.7	46.1	30.8	36.8	23.3	39.4	22.8	25.2
\$30,000 to 49,999	30.6	21.9	30.2	22.8	31.3	21.6	30.6	21.2	24.2
\$50,000 to 74,999	20.1	19.3	18.6	17.5	22.0	19.6	20.6	20.2	19.4
\$75,000 and over	7.5	33.1	5.1	28.9	9.9	35.5	9.4	35.8	31.2
Household size:									
One member	20.8	16.6	17.7	16.6	24.1	16.7	22.8	15.4	16.7
Two members	40.4	44.6	42.3	47.0	38.0	41.9	39.7	43.5	43.9
Three or more members	38.8	38.8	40.0	36.4	37.9	41.4	37.5	41.1	39.4
Age of intended reader:									
Under 25 years old	7.4	7.9	5.2	5.5	10.2	12.2	7.7	6.2	5.7
25 to 34 years old	18.6	14.1	14.1	12.0	24.6	16.9	19.8	13.5	9.2
35 to 44 years old	22.9	17.2	22.3	14.6	23.9	19.1	22.7	21.6	17.9
45 to 54 years old	20.8	22.9	24.9	22.6	16.5	22.3	18.5	23.8	28.3
55 to 64 years old	14.9	20.6	15.9	23.4	12.8	17.2	15.7	18.5	22.7
65 years old and over	15.4	17.3	17.6	21.9	12.0	12.3	15.6	16.4	16.2
Category of book:									
Popular fiction	54.9	58.5	93.0	96.0	14.9	23.9	31.8	48.8	76.0
General nonfiction	10.3	7.9	3.6	1.6	15.6	10.6	16.5	11.8	7.5
Cooking/crafts	10.8	8.6	0.4	0.2	20.6	15.9	18.2	12.0	0.4
Other	24.0	25.0	3.0	2.2	48.9	49.6	33.5	27.4	16.1
Where purchased (channel):									
Book stores ⁴	57.3	42.6	48.4	37.8	73.7	50.6	54.7	39.6	26.5
Mass merchandisers	4.7	5.8	8.7	11.8	1.0	2.0	1.6	3.0	9.5
Book clubs	16.6	19.3	17.8	22.1	9.5	13.3	22.6	22.8	24.0
Online retailer/Internet	(NA)	8.1	(NA)	4.7	(NA)	9.9	(NA)	9.2	8.4
Other ⁵	21.4	24.2	25.1	23.6	15.8	24.2	21.1	25.4	31.6

NA Not available. ¹ "Pocket size" books sold primarily through magazine and news outlets, supermarkets, variety stores, etc. ² All paperback books, except mass market. ³ Audio and digital books were added to questionnaire in January 2001. Sample size for digital book purchasing (i.e. eBooks) was too small to show detailed breaks. ⁴ Includes independent, chain and used bookstores. ⁵ Includes mail order, price clubs, discount stores, food/drug stores, multimedia, and other outlets. Source: Ipsos-NPD, Inc., Rosemont IL., *Ipsos BookTrends*, a service mark of Ipsos-NPD, Inc. (copyright).

No. 1139. Software Publishers—Estimated Revenue, Expenses, and Inventories: 1998 to 2001

[In millions of dollars (72,098 represents \$72,098,000,000). For taxable and tax-exempt employer firms. Covers NAICS 5112. Estimates have been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System, 1997; see text, this section, and Section 15]

Item	1998	1999	2000	2001
Revenue	72,098	80,959	88,042	90,622
System software publishing, total	(NA)	(NA)	(NA)	29,367
Operating system software	(NA)	(NA)	(NA)	9,464
Network software	(NA)	(NA)	(NA)	6,514
Database management software	(NA)	(NA)	(NA)	8,083
Development tools and programming languages software	(NA)	(NA)	(NA)	3,827
Other systems software	(NA)	(NA)	(NA)	1,478
Application software publishing, total	(NA)	(NA)	(NA)	39,173
General business productivity and home use applications	(NA)	(NA)	(NA)	17,022
Cross-industry application software	(NA)	(NA)	(NA)	12,542
Vertical market application software	(NA)	(NA)	(NA)	8,250
Utilities software	(NA)	(NA)	(NA)	969
Other application software	(NA)	(NA)	(NA)	391
Custom application design and development services	(NA)	(NA)	(NA)	(S)
Customization and integration of packaged software	(NA)	(NA)	(NA)	3,786
Information technology consulting services	(NA)	(NA)	(NA)	6,420
Application service provisioning	(NA)	(NA)	(NA)	(S)
Business process management services	(NA)	(NA)	(NA)	(S)
Resale of computer hardware and software	(NA)	(NA)	(NA)	(S)
Information technology related training services	(NA)	(NA)	(NA)	1,104
Other services revenue	(NA)	(NA)	(NA)	8,537
Expenses: Selected purchases, total	4,751	5,460	6,060	5,903
Purchased printing	627	693	769	719
Purchased software reproduction	2,136	2,413	2,777	2,610
Purchased programming services	1,987	2,354	2,514	2,574
Inventories at end of year	784	863	1,020	1,112
Finished goods and work-in-process	665	697	864	967
Materials, supplies, fuel, etc.	119	167	157	145

NA Not available. S Data do not meet publication standards.

Source: U.S. Census Bureau, 2001 Service Annual Survey, *Information Sector Services*, and prior issues. See Internet site <<http://www.census.gov/econ/www/servmenu.html>> (released February 2003).

No. 1140. Motion Picture and Sound Recording Industries—Estimated Revenue and Inventories: 1998 to 2001

[In millions of dollars (58,759 represents \$58,759,000,000), except percent. For taxable and tax-exempt employer firms. For NAICS 512. Except where indicated, estimates have been adjusted to results of the 1997 Economic Census. Based on the North American Industry Classification System, 1997; see text, this section, and Section 15. Minus sign (-) indicates decrease]

Item	1998	1999	2000	2001	Percent change, 2000-01
Motion picture and recording industries (NAICS 512):					
Operating revenue	58,759	63,091	66,107	67,240	1.7
Total inventories	14,370	15,407	15,796	15,762	-0.2
Finished goods and work-in-process	14,208	15,230	15,593	15,543	-0.3
Materials, supplies, fuel, etc.	163	177	203	219	8.2
Motion picture and video (NAICS 5121):					
Operating revenue	48,002	51,227	53,660	55,445	3.3
Total inventories	14,053	15,101	15,437	15,371	-0.4
Finished goods and work-in-process	13,942	14,983	15,308	15,231	-0.5
Materials, supplies, fuel, etc.	112	118	130	(S)	(S)
Sound recording (NAICS 5122):¹					
Operating revenue	10,758	11,864	12,447	11,795	-5.2
Total inventories	317	306	359	391	9.2
Finished goods and work-in-process	266	248	286	313	9.5
Materials, supplies, fuel, etc.	51	58	73	79	7.9

S Data do not meet publication standards. ¹ Estimates not adjusted to the results of the 1997 Economic Census.

Source: U.S. Census Bureau, 2001 Service Annual Survey, *Information Sector Services*. See Internet site <<http://www.census.gov/econ/www/servmenu.html>> (released February 2003).

No. 1141. Recording Media—Manufacturers' Shipments and Value: 1982 to 2002

[577.4 represents 577,400,000. Based on reports of RIAA member companies who distributed about 84 percent of the prerecorded music in 2002. These data are supplemented by other sources. Minus sign (-) indicates returns greater than shipments]

Medium	1982	1985	1990	1995	1998	1999	2000	2001	2002
UNIT SHIPMENTS ¹ (mil.)									
Total ²	577.4	653.0	865.7	1,112.7	1,123.9	1,160.6	1,079.2	968.5	859.7
CDs	(X)	22.6	286.5	722.9	847.0	938.9	942.5	881.9	803.3
CD singles	(X)	(X)	1.1	21.5	56.0	55.9	34.2	17.3	4.5
Cassettes	182.3	339.1	442.2	272.6	158.5	123.6	76.0	45.0	31.1
Cassette singles	(X)	(X)	87.4	70.7	26.4	14.2	1.3	-1.5	-0.5
Albums—LPs and EPs	243.9	167.0	11.7	2.2	3.4	2.9	2.2	2.3	1.7
Vinyl singles	137.2	120.7	27.6	10.2	5.4	5.3	4.8	5.5	4.4
Music video	(X)	(X)	9.2	12.6	27.2	19.8	18.2	17.7	14.7
DVD video	(X)	(X)	(X)	(X)	0.5	2.5	3.3	7.9	10.7
DVD audio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4
VALUE (mil. dol.)									
Total ²	3,641.6	4,378.8	7,541.1	12,320.3	13,711.2	14,584.7	14,323.7	13,740.9	12,614.2
CD's	(X)	389.5	3,451.6	9,377.4	11,416.0	12,816.3	13,214.5	12,909.4	12,044.1
CD singles	(X)	(X)	6.0	110.9	213.2	222.4	142.7	79.4	19.6
Cassettes	1,384.5	2,411.5	3,472.4	2,303.6	1,419.9	1,061.6	626.0	363.4	209.8
Cassette singles	(X)	(X)	257.9	236.3	94.4	48.0	4.6	-5.3	-1.6
Albums—LPs and EPs	1,925.1	1,280.5	86.5	25.1	34.0	31.8	27.7	27.4	20.5
Vinyl singles	283.0	281.0	94.4	46.7	25.7	27.9	26.3	31.4	24.9
Music video	(X)	(X)	172.3	220.3	508.0	376.7	281.9	329.2	288.4
DVD video	(X)	(X)	(X)	(X)	12.2	66.3	80.3	190.7	236.3
DVD audio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	6.0	8.5

X Not applicable. ¹ Net units, after returns. ² Includes discontinued media.

Source: Recording Industry Association of America, Washington, DC, 2002 *Yearend Statistics* and earlier issues (copyright). See Internet site <<http://www.riaa.com>> (accessed 20 June 2003).

No. 1142. Profile of Consumer Expenditures for Sound Recordings: 1990 to 2002

[In percent, except total value (7,541.1 represents \$7,541,100,000). Based on monthly telephone surveys of the population 10 years old and over]

Item	1990	1995	1997	1998	1999	2000	2001	2002
Total value (mil. dol.)	7,541.1	12,320.3	12,236.8	13,711.2	14,584.5	14,323.0	13,740.9	12,614.2
PERCENT DISTRIBUTION ¹								
Age: 10 to 14 years	7.6	8.0	8.9	9.1	8.5	8.9	8.5	8.9
15 to 19 years	18.3	17.1	16.8	15.8	12.6	12.9	13.0	13.3
20 to 24 years	16.5	15.3	13.8	12.2	12.6	12.5	12.2	11.5
25 to 29 years	14.6	12.3	11.7	11.4	10.5	10.6	10.9	9.4
30 to 34 years	13.2	12.1	11.0	11.4	10.1	9.8	10.3	10.8
35 to 39 years	10.2	10.8	11.6	12.6	10.4	10.6	10.2	9.8
40 to 44 years	7.8	7.5	8.8	8.3	9.3	9.6	10.3	9.9
45 years and over	11.1	16.1	16.5	18.1	24.7	23.8	23.7	25.5
Sex: Male	54.4	53.0	48.6	48.7	50.3	50.6	48.8	49.4
Female	45.6	47.0	51.4	51.3	49.7	49.4	51.2	50.6
Sales outlet:								
Record store	69.8	52.0	51.8	50.8	44.5	42.4	42.5	36.8
Other store	18.5	28.2	31.9	34.4	38.3	40.8	42.4	50.7
Music club	8.9	14.3	11.6	9.0	7.9	7.6	6.1	4.0
Ad or 800 number	2.5	4.0	2.7	2.9	2.5	2.4	3.0	2.0
Internet ²	(NA)	(NA)	0.3	1.1	2.4	3.2	2.9	3.4
Music type: ³								
Rock	36.1	33.5	32.5	25.7	25.2	24.8	24.4	24.7
Pop	13.7	10.1	9.4	10.0	10.3	11.0	12.1	9.0
Rap/Hip Hop	8.5	6.7	10.1	9.7	10.8	12.9	11.4	13.8
R&B/Urban	11.6	11.3	11.2	12.8	10.5	9.7	10.6	11.2
Country	9.6	16.7	14.4	14.1	10.8	10.7	10.5	10.7
Religious	2.5	3.1	4.5	6.3	5.1	4.8	6.7	6.7
Jazz	4.8	3.0	2.8	1.9	3.0	2.9	3.4	3.2
Classical	3.1	2.9	2.8	3.3	3.5	2.7	3.2	3.1
Soundtracks	0.8	0.9	1.2	1.7	0.8	0.7	1.4	1.1
New age	1.1	0.7	0.8	0.6	0.5	0.5	1.0	0.5
Oldies	0.8	1.0	0.8	0.7	0.7	0.9	0.8	0.9
Children's	0.5	0.5	0.9	0.4	0.4	0.6	0.5	0.4
Other	5.6	7.0	5.7	7.9	9.1	8.3	7.9	8.1
Media type: CDs	31.1	65.0	70.2	74.8	83.2	89.3	89.2	90.5
Cassettes	54.7	25.1	18.2	14.8	8.0	4.9	3.4	2.4
Singles (all types)	8.7	7.5	9.3	6.8	5.4	2.5	2.4	1.9
Music video ⁴	(NA)	0.9	0.6	1.0	0.9	0.8	1.1	0.7
DVD audio	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	1.1	1.3
Digital download	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	0.2	0.5
Vinyl LPs	4.7	0.5	0.7	0.7	0.5	0.5	0.6	0.7

NA Not available. ¹ Percent distributions exclude nonresponses and responses of don't know. ² Excludes record club purchases over the Internet. ³ As classified by respondent. ⁴ Beginning 2001 includes video DVDs.

Source: Recording Industry Association of America, Inc., Washington, DC, 2002 *Consumer Profile* and earlier issues (copyright). See Internet site <<http://www.riaa.com>> (accessed 20 June 2003).

No. 1143. Radio and Television Broadcasting—Estimated Revenue and Expenses: 1999 to 2001

[In millions of dollars (47,292 represents \$47,292,000,000). For taxable and tax-exempt employer firms. Covers NAICS 5131. Estimates have been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System, 1997; see text, this section, and Section 15]

Item	Total (NAICS 5131)			Radio broadcasting (NAICS 51311)			TV broadcasting (NAICS 51312)		
	1999	2000	2001	1999	2000	2001	1999	2000	2001
Operating revenue	47,292	52,668	47,077	13,030	14,811	13,728	34,262	37,858	33,349
Station time sales	(NA)	(NA)	28,817	(NA)	(NA)	11,489	(NA)	(NA)	17,328
Network compensation	(NA)	(NA)	514	(NA)	(NA)	90	(NA)	(NA)	424
National/regional advertising	(NA)	(NA)	9,500	(NA)	(NA)	2,537	(NA)	(NA)	6,963
Local advertising revenue	(NA)	(NA)	18,804	(NA)	(NA)	8,862	(NA)	(NA)	9,942
Network time sales	(NA)	(NA)	14,097	(NA)	(NA)	1,096	(NA)	(NA)	13,001
Program rights	(NA)	(NA)	19	(NA)	(NA)	13	(NA)	(NA)	(S)
Production and post-production services	(NA)	(NA)	57	(NA)	(NA)	(S)	(NA)	(NA)	(S)
Public and noncommercial programming rights	(NA)	(NA)	(S)	(NA)	(NA)	(S)	(NA)	(NA)	(S)
Other operating services revenue	(NA)	(NA)	2,336	(NA)	(NA)	604	(NA)	(NA)	1,732
Expenses	37,551	40,366	39,090	10,308	11,406	11,242	27,243	28,960	27,848
Annual payroll	10,814	11,280	11,021	4,165	4,458	4,476	6,649	6,821	6,545
Employer contributions to Social Security and other supplemental benefits	1,427	1,535	1,566	503	590	566	924	945	999
Broadcast rights and music license fees	11,438	12,754	11,441	626	713	728	10,811	12,041	10,713
Depreciation	3,411	3,648	3,989	1,579	1,638	1,572	1,832	2,010	2,416
Lease and rental	616	655	731	268	294	366	349	362	346
Purchased repairs	266	276	264	86	91	94	180	185	170
Purchased communications and utilities	601	634	629	258	273	274	343	361	356
Purchased advertising	1,458	1,534	1,436	393	455	523	1,066	1,079	913
Other operating expenses (including network compensation fees)	7,521	8,052	8,013	2,431	2,896	2,623	5,090	5,157	5,390

NA Not available. S Does not meet publication standards.

Source: U.S. Census Bureau, 2001 Service Annual Survey, *Information Sector Services* and prior issues. See Internet site <<http://www.census.gov/econ/www/servmenu.html>> (released February 2003).

No. 1144. Cable and Pay TV—Summary: 1975 to 2002

[9,800 represents 9,800,000. Cable TV for calendar year. Pay TV as of Dec. 31 of year shown]

Year	Cable TV				Pay TV					
	Avg. basic subscribers (1,000)	Avg. monthly basic rate (dol.)	Revenue ¹ (mil. dol.)		Units ² (1,000)			Monthly rate (dol.)		
			Total	Basic	Total pay ³	Pay cable	Non-cable delivered premium	All pay weighted average ⁴	Pay cable	Noncable delivered premium
1975	9,800	6.50	804	764	194	194	(NA)	(NA)	7.85	(NA)
1980	17,500	7.69	2,609	1,615	8,581	7,336	(NA)	8.91	8.62	(NA)
1982	25,250	8.30	5,032	2,515	19,395	17,007	(NA)	9.49	9.30	(NA)
1983	29,430	8.61	6,485	3,041	24,515	22,818	(NA)	9.82	9.70	(NA)
1984	32,800	8.98	7,738	3,534	28,815	27,754	(NA)	10.03	9.96	(NA)
1985	35,440	9.73	8,831	4,138	29,885	29,418	(NA)	10.29	10.25	(NA)
1986	38,170	10.67	9,955	4,887	31,033	30,668	(NA)	10.35	10.31	(NA)
1987	41,160	12.18	11,563	6,016	33,528	33,232	(NA)	10.25	10.23	(NA)
1988	44,160	13.86	13,409	7,345	37,085	36,777	(NA)	10.24	10.17	(NA)
1989	47,500	15.21	15,378	8,670	39,055	38,916	(NA)	10.25	10.20	(NA)
1990	50,520	16.78	17,582	10,174	39,902	39,751	(NA)	10.35	10.30	(NA)
1991	52,570	18.10	19,426	11,418	39,983	36,569	(NA)	10.35	10.27	(NA)
1992	54,300	19.08	21,079	12,433	40,893	36,879	(NA)	10.29	10.17	(NA)
1993	56,200	419.39	22,809	13,528	42,010	37,113	(NA)	9.27	9.11	(NA)
1994	58,450	21.62	23,160	15,164	47,478	42,528	4,950	8.64	8.83	6.99
1995	60,900	23.07	24,945	16,763	55,723	46,798	8,925	8.29	8.54	6.99
1996	62,300	24.41	27,312	18,249	63,705	49,728	13,977	8.05	8.35	6.99
1997	63,600	26.48	30,085	20,213	72,785	51,933	20,852	7.91	8.29	6.99
1998	64,650	27.81	32,377	21,574	80,605	55,280	25,325	7.82	8.20	6.99
1999	65,500	28.92	34,866	22,732	88,455	59,005	29,450	7.69	8.04	6.99
2000	66,250	30.37	37,876	24,142	102,590	65,918	36,672	7.64	8.00	6.99
2001	66,900	32.87	43,128	26,390	115,325	75,433	39,892	7.65	7.96	7.06
2002, est.	66,898	34.71	48,701	27,867	118,575	77,292	41,283	7.67	8.00	7.06

NA Not available. ¹ Includes installation revenue, subscriber revenue, and nonsubscriber revenue; excludes telephony and high-speed access. ² Individual program services sold to subscribers. ³ Includes multipoint distribution service (MDS), satellite TV (STV), multipoint multichannel distribution service (MMDS), satellite master antenna TV (SMATV, C-band satellite, and DBS satellite. Includes average pay unit price based on data for major premium pay movie services. ⁴ Weighted average representing 8 months of unregulated basic rate and 4 months of FCC rolled-back rate.

Source: Kagan World Media, a Media Central/Primedia Company. From the *Broadband Cable Financial Databook 2002* (copyright); and *The Pay TV Newsletter*, June 28, 2002, and July 31, 2002, and various other publications.

No. 1145. Cable Networks and Program Distribution Services—Estimated Revenue and Expenses: 1998 to 2001

[In millions of dollars (52,310 represents \$52,310,000,000). For taxable and tax-exempt employer firms. Covers NAICS 5132. Estimates have not been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System, 1997; see text, this section, and Section 15]

Item	1998	1999	2000	2001
Operating revenue	52,310	59,895	67,930	74,419
Air time (advertising)	(NA)	(NA)	(NA)	12,225
Special programming service	(NA)	(NA)	(NA)	12,466
Basic programming service	(NA)	(NA)	(NA)	32,148
Premium cable programming packages	(NA)	(NA)	(NA)	5,215
Pay-per-view service	(NA)	(NA)	(NA)	1,927
Program distribution installation services	(NA)	(NA)	(NA)	512
Program distribution equipment sales and rentals	(NA)	(NA)	(NA)	1,779
Other program distribution related services	(NA)	(NA)	(NA)	2,350
Internet access services	(NA)	(NA)	(NA)	2,127
Basic fixed local telephony	(NA)	(NA)	(NA)	1,031
Basic fixed long-distance	(NA)	(NA)	(NA)	128
Other communication services	(NA)	(NA)	(NA)	400
Other operating revenue	(NA)	(NA)	(NA)	2,111
Operating expenses	45,231	52,952	62,039	70,820
Annual payroll	7,138	8,388	9,696	10,642
Employer contributions to social security and other supplemental benefits	1,443	1,666	1,929	2,019
Program and production costs	14,601	16,525	19,077	22,173
Depreciation	9,425	11,498	13,965	16,870
Lease and rental	760	878	1,005	1,058
Purchased repairs	662	721	684	761
Purchased communications and utilities	736	840	921	812
Purchased advertising	1,590	1,836	2,251	2,318
Other operating expenses	8,876	10,600	12,510	14,168

NA Not available.

Source: U.S. Census Bureau, 2001 Service Annual Survey, *Information Sector Services* and prior issues. See Internet site <<http://www.census.gov/econ/www/servmenu.html>> (released February 2003).

No. 1146. Telecommunications—Estimated Revenue and Expenses: 1999 to 2001

[In millions of dollars (318,097 represents \$318,097,000,000), except percent. For taxable and tax-exempt employer firms. Except for NAICS 51332, wireless telecommunications carriers (except satellite), estimates have been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System, 1997; see text, this section, and Section 15. Minus sign (-) indicates decrease. See Table 1147 for wireless telecommunications carriers, NAICS 51332]

Item	Telecommunications (NAICS 5133)			Wired telecommunications carriers (NAICS 51331)		
	1999	2000	2001	1999	2000	2001
Operating revenue	318,097	349,109	366,042	247,532	265,704	264,062
Fixed total	(NA)	(NA)	192,499	(NA)	(NA)	182,419
Fixed local	(NA)	(NA)	89,180	(NA)	(NA)	87,813
Basic service	(NA)	(NA)	73,776	(NA)	(NA)	72,581
Fixed long-distance	(NA)	(NA)	78,438	(NA)	(NA)	74,114
Outbound service	(NA)	(NA)	67,658	(NA)	(NA)	64,171
Fixed all distance	(NA)	(NA)	5,306	(NA)	(NA)	5,030
Dedicated network services	(NA)	(NA)	11,736	(NA)	(NA)	8,371
Data transmission services	(NA)	(NA)	7,840	(NA)	(NA)	7,091
Mobile total	(NA)	(NA)	75,972	(NA)	(NA)	833
Mobile telephony services	(NA)	(NA)	70,741	(NA)	(NA)	(NA)
Local access and use	(NA)	(NA)	51,126	(NA)	(NA)	(NA)
Messaging services	(NA)	(NA)	5,039	(NA)	(NA)	(NA)
Mobile dispatch services	(NA)	(NA)	193	(NA)	(NA)	(NA)
Carrier services	(NA)	(NA)	58,328	(NA)	(NA)	52,205
Network access	(NA)	(NA)	52,633	(NA)	(NA)	50,096
Other telecommunications services	(NA)	(NA)	9,086	(NA)	(NA)	6,750
Other services revenue ¹	(NA)	(NA)	30,157	(NA)	(NA)	21,856
Telecommunications network installation services	(NA)	(NA)	2,355	(NA)	(NA)	2,035
Telecommunications equipment sales	(NA)	(NA)	7,463	(NA)	(NA)	1,902
Sales of directory advertising space	(NA)	(NA)	1,301	(NA)	(NA)	1,104
Other revenue	(NA)	(NA)	17,821	(NA)	(NA)	15,772
Operating expenses	266,792	306,706	328,520	200,833	230,098	232,941
Annual payroll	54,447	65,306	66,740	43,193	52,517	51,316
Employer contributions to social security and other supplemental benefits	12,415	14,119	15,486	10,106	11,414	12,511
Access charges	37,581	40,530	41,528	31,657	32,891	32,318
Depreciation	49,929	59,725	70,035	38,120	44,075	48,976
Lease and rental	6,349	8,010	9,037	3,368	4,476	5,005
Purchased repairs	3,581	4,477	5,002	2,830	3,504	3,872
Purchased communications and utilities	14,330	15,890	16,586	12,437	12,929	13,061
Purchased advertising	7,122	8,499	8,836	4,532	4,909	4,390
Universal service, contributions, and other similar charges	5,527	5,658	5,381	5,017	5,037	4,650
Other operating expenses	75,602	84,492	89,890	49,665	58,344	56,842

NA Not available. ¹ Includes other revenue sources, not shown separately.

Source: U.S. Census Bureau, 2001 Service Annual Survey, *Information Sector Services* and prior issues. See Internet site <<http://www.census.gov/econ/www/servmenu.html>> (released February 2003).

No. 1147. Wireless Telecommunications Carriers (Except Satellite)—Estimated Revenue and Expenses: 1998 to 2001

[In millions of dollars (42,363 represents \$42,363,000,000). For taxable and tax-exempt employer firms. For NAICS 51332. Estimates have not been adjusted to the results of the 1997 Economic Census. Based on the North American Industry Classification System, 1997; see text, this section, and Section 15. See Table 1146 for telecommunications total and wired carriers (NAICS 5133 and 51331)]

Item	1998	1999	2000	2001
Operating revenue	42,363	53,485	64,309	82,870
Mobile total	(NA)	(NA)	(NA)	73,420
Mobile telephony services	(NA)	(NA)	(NA)	68,801
Local access and use	(NA)	(NA)	(NA)	50,850
Mobile value-added services	(NA)	(NA)	(NA)	2,299
Mobile long distance	(NA)	(NA)	(NA)	5,053
Mobile all distance	(NA)	(NA)	(NA)	8,288
Dedicated network services	(NA)	(NA)	(NA)	(S)
Other mobile telephony revenue	(NA)	(NA)	(NA)	2,312
Messaging services	(NA)	(NA)	(NA)	4,428
Mobile dispatch services	(NA)	(NA)	(NA)	191
Carrier services	(NA)	(NA)	(NA)	2,802
Network access	(NA)	(NA)	(NA)	1,141
Other carrier services	(NA)	(NA)	(NA)	1,662
Other telecommunications services	(NA)	(NA)	(NA)	1,458
Other services revenue	(NA)	(NA)	(NA)	5,190
Operating expenses	39,720	50,381	59,214	77,838
Annual payroll	6,722	8,259	9,224	11,679
Employer contributions to social security and other supplemental benefits	1,490	1,787	2,095	2,258
Access charges	2,233	3,371	5,038	6,735
Depreciation	8,743	10,376	13,275	18,528
Lease and rental	1,923	2,328	2,793	3,434
Purchased repairs	719	660	846	985
Purchased communications and utilities	1,051	1,311	1,757	2,039
Purchased advertising	2,467	2,343	3,330	4,188
Universal service, contributions, and other similar charges	325	441	526	623
Other operating expenses	14,047	19,505	20,329	27,368

NA Not available. S Data do not meet publication standards.

Source: U.S. Census Bureau, 2001 Service Annual Survey, *Information Sector Services* and prior issues. See Internet site <<http://www.census.gov/econ/www/servmenu.html>> (released February 2003).

No. 1148. Telecommunications Industry—Carriers and Revenue: 1995 to 2002

[Revenue in millions of dollars (190,076 represents \$190,076,000,000). Data based on carrier filings to the FCC. Because of reporting changes, data beginning 1999 are not strictly comparable with previous years; see source for details]

Category	Carriers					Telecommunications revenue				
	1995	1999	2000	2001	2002	1995	1999	2000	2001	2002
Total ¹	3,058	4,822	4,850	5,679	5,364	190,076	268,505	292,762	301,799	294,367
Local service providers	1,675	2,589	2,617	2,990	2,905	103,792	119,938	128,075	133,502	128,231
Incumbent local exchange carriers (ILECs)	1,347	1,335	1,327	1,329	1,337	102,820	112,216	116,158	117,885	109,517
Pay telephone providers	271	758	683	936	761	349	1,213	972	836	201
Competitors of ILECs ²	57	496	607	725	807	623	6,508	10,945	14,781	18,512
CAPs and CLECs ²	57	349	485	532	609	623	5,652	9,814	12,998	16,603
Local resellers	(³)	87	82	134	133	(³)	511	11	1,393	1,488
Other local exchange carriers	(³)	60	40	59	65	(³)	171	11	329	356
Private carriers	(³)	(³)	(³)	(³)	(³)	(³)	87	39	15	27
Shared tenant service providers	(³)	(³)	(³)	(³)	(³)	(³)	87	202	46	39
Wireless service providers ⁴	930	1,495	1,451	1,761	1,387	18,627	50,152	63,280	74,596	83,952
Telephony ⁵	792	806	810	858	433	17,208	46,513	59,823	71,887	81,948
Paging service providers	138	427	418	576	194	(³)	3,232	3,102	2,197	1,215
Toll service providers	453	738	782	928	1,072	76,447	98,414	101,407	93,702	82,184
Interexchange carriers	130	204	202	229	261	70,938	87,570	87,311	81,272	69,905
Operator service providers	25	21	21	22	23	50	337	635	611	564
Prepaid service providers	8	21	24	32	37	16	866	727	133	72
Satellite service carriers	(³)	21	24	31	34	(³)	280	336	373	381
Toll resellers	260	454	482	576	625	4,220	9,211	10,641	8,797	9,073
Other toll carriers	30	17	29	38	92	773	150	1,758	2,516	2,189

¹ Revenue data include adjustments, not shown separately. For 1995, revenue data include some nontelecommunications revenue, formerly reported as local exchange wireless revenue. ² Competitive access providers (CAPs) and competitive local exchange carriers (CLECs). ³ Data not available separately. ⁴ Includes specialized mobile radio services and other services, not shown separately. ⁵ Cellular service, personal communications service, and specialized mobile radio.

Source: U.S. Federal Communications Commission, *Trends in Telephone Service*, annual.

No. 1149. Telephone Systems—Summary: 1985 to 2001

[112 represents 112,000,000. Covers principal carriers filing annual reports with Federal Communications Commission]

Item	Unit	1985	1990	1995	1996	1997	1998	1999	2000	2001 ¹
LOCAL EXCHANGE CARRIERS²										
Carriers ³	Number	55	51	53	51	51	52	52	52	30
Access lines	Millions	112	130	166	178	194	205	228	245	253
Business access lines	Millions	31	36	46	49	53	57	57	58	54
Residential access lines	Millions	79	89	101	104	108	110	115	115	112
Other access lines (public, mobile, special)	Millions	2	6	19	25	33	38	55	72	87
Number of local calls (originating)	Billions	365	402	484	504	522	544	554	537	515
Number of toll calls (originating)	Billions	(NA)	63	94	95	101	97	102	106	98
Gross book cost of plant	Bil. dol.	191	240	284	296	309	325	342	362	360
Depreciation and amortization reserves	Bil. dol.	49	89	127	138	149	163	176	190	194
Net plant	Bil. dol.	142	151	157	158	160	161	166	172	166
Total assets	Bil. dol.	162	180	197	198	198	200	204	214	208
Total stockholders equity	Bil. dol.	63	74	72	74	72	70	67	72	66
Operating revenues	Bil. dol.	73	84	96	101	103	108	113	117	109
Local revenues	Bil. dol.	32	37	46	50	52	55	58	60	55
Operating expenses ⁴	Bil. dol.	48	62	72	74	75	78	79	81	77
Net operating income ⁵	Bil. dol.	13	14	14	16	16	18	20	20	19
Net income	Bil. dol.	9	11	11	13	12	12	13	15	11
Employees	(1,000)	(NA)	569	447	437	435	436	436	434	386
Compensation of employees	Bil. dol.	(NA)	23	21	23	22	23	24	24	23
Average monthly residential local telephone rate ⁶	Dollars	(NA)	19.24	20.01	19.95	19.88	19.76	19.93	20.78	21.84
Average monthly single-line business telephone rate ⁶	Dollars	(NA)	41.21	41.80	41.81	41.67	41.29	41.21	41.80	42.18
LONG DISTANCE CARRIERS										
Number of carriers with presubscribed lines	Number	(NA)	325	583	621	(NA)	(NA)	(NA)	(NA)	(NA)
Number of presubscribed lines	Millions	(NA)	132	153	159	(NA)	(NA)	(NA)	(NA)	(NA)
Total toll service revenues	Bil. dol.	43	52	74	82	89	94	99	101	91
Interstate switched access minutes	Bil. min.	167	307	432	468	497	519	553	568	540
INTERNATIONAL TELEPHONE SERVICE⁷										
Number of U.S. billed calls	Millions	425	984	2,830	3,520	4,259	4,477	5,305	5,742	6,265
Number of U.S. billed minutes	Millions	3,446	8,030	15,889	19,325	22,753	24,250	28,515	30,135	33,287
U.S. billed revenues	Mil. dol.	3,487	8,059	14,335	14,598	15,662	14,726	14,980	14,909	11,386
U.S. carrier revenue net of settlements with foreign carriers	Mil. dol.	2,332	5,188	9,397	8,939	10,232	10,242	10,379	10,982	8,040
Revenue from private-line service	Mil. dol.	172	201	514	661	851	921	1,216	1,480	1,417
Revenue from resale service	Mil. dol.	(NA)	167	1,756	3,637	4,112	4,798	4,528	7,600	5,414

NA Not available. ¹ Beginning 2001, detailed financial data only filed by regional Bell operating companies. Access lines and calls reported by 50 reporting companies. ² Gross operating revenues, gross plant, and total assets of reporting carriers estimated at more than 90 percent of total industry. New accounting rules became effective in 1990; prior years may not be directly comparable on a one-to-one basis. Includes Virgin Islands, and prior to 1995, Puerto Rico. ³ The reporting threshold for carriers is \$100 million in annual operating revenue. ⁴ Excludes taxes. ⁵ After tax deductions. ⁶ Based on surveys conducted by FCC. ⁷ Beginning 1995, data are for all U.S. points, and include calls to and from Alaska, Hawaii, Puerto Rico, Guam, the U.S. Virgin Islands, and offshore U.S. points. Beginning 1995, carriers first started reporting traffic to and from Canada and Mexico. Data for Canada and Mexico in prior years are staff estimates.

Source: U.S. Federal Communications Commission, *Statistics of Communications Common Carriers*, annual; *Trends in Telephone Service*, annual; and *Trends in the International Telecommunications Industry*, annual.

No. 1150. Cellular Telecommunications Industry: 1990 to 2002

[Calendar year data, except as noted (5,283 represents 5,283,000). Based on a survey mailed to all cellular, personal communications services, and enhanced special mobile radio (ESMR) systems. For 2002 data, the universe was 2,481 systems and the response rate was 87 percent. The number of operational systems beginning 2000 differs from that reported for previous periods as a result of the consolidated operation of ESMR systems in a broader service area instead of by a city-to-city basis]

Item	Unit	1990	1995	1997	1998	1999	2000	2001	2002
Systems	Number	751	1,627	2,228	3,073	3,518	2,440	2,587	2,481
Subscribers	1,000	5,283	33,786	55,312	69,209	86,047	109,478	128,375	140,766
Cell sites ¹	Number	5,616	22,663	51,600	65,887	81,698	104,288	127,540	139,338
Employees	Number	21,382	68,165	109,387	134,754	155,817	184,449	203,580	192,410
Service revenue	Mil. dol.	4,548	19,081	27,486	33,133	40,018	52,466	65,016	76,508
Roamer revenue ²	Mil. dol.	456	2,542	2,974	3,501	4,085	3,883	3,936	3,896
Capital investment	Mil. dol.	6,282	24,080	46,058	60,543	71,265	89,624	105,030	126,922
Average monthly bill ³	Dollars	80.90	51.00	42.78	39.43	41.24	45.27	47.37	48.40
Average length of call ³	Minutes	2.20	2.15	2.31	2.39	2.38	2.56	2.74	2.73

¹ The basic geographic unit of a wireless PCS or cellular system. A city or county is divided into smaller "cells," each of which is equipped with a low-powered radio transmitter/receiver. The cells can vary in size depending upon terrain, capacity demands, etc. By controlling the transmission power, the radio frequencies assigned to one cell can be limited to the boundaries of that cell. When a wireless PCS or cellular phone moves from one cell toward another, a computer at the Switching Office monitors the movement and at the proper time, transfers or hands off the phone call to the new cell and another radio frequency. ² Service revenue generated by subscribers' calls outside of their system areas. ³ As of December 31.

Source: Cellular Telecommunications & Internet Association, Washington, DC, *Semiannual Wireless Survey* (copyright).

No. 1151. Information Services and Data Processing Services—Estimated Revenue: 1998 to 2001

[In millions of dollars (46,994 represents \$46,994,000,000), except percent. For taxable and tax-exempt employer firms. Covers news NAICS 514. Except where indicated, estimates adjusted to results of the 1997 Economic Census. Based on the North American Industry Classification System, 1997; see text, this section, and Section 15. Minus sign (-) indicates decrease]

Item	1998	1999	2000	2001
Total revenue	46,994	60,105	76,524	82,316
News syndicates (NAICS 51411):				
Revenue	1,586	1,823	1,986	1,960
Fees from supplying information	(NA)	(NA)	(NA)	1,871
Other services revenue	(NA)	(NA)	(NA)	89
Libraries and archives (NAICS 51412):				
Revenue	954	1,018	1,151	1,118
Subsidies, contributions, gifts, and grants	(NA)	(NA)	(NA)	821
Fees from educational workshops and seminars	(NA)	(NA)	(NA)	(S)
Fees and dues from providing access to collections	(NA)	(NA)	(NA)	41
Sales of books and other educational materials	(NA)	(NA)	(NA)	(S)
Other services revenue	(NA)	(NA)	(NA)	248
Online information services (NAICS 514191):				
Revenue	10,882	18,012	26,577	28,623
Internet access services	(NA)	(NA)	(NA)	15,563
Advertising	(NA)	(NA)	(NA)	3,867
Web site hosting	(NA)	(NA)	(NA)	994
Internet backbone services	(NA)	(NA)	(NA)	(S)
Internet telecommunications services	(NA)	(NA)	(NA)	295
Information technology consulting services	(NA)	(NA)	(NA)	320
Information technology design and development	(NA)	(NA)	(NA)	212
Application service provisioning	(NA)	(NA)	(NA)	(S)
Business process management	(NA)	(NA)	(NA)	272
Video and audio streaming services	(NA)	(NA)	(NA)	(S)
Other services revenue	(NA)	(NA)	(NA)	3,320
All other information services (NAICS 514199): ¹				
Revenue	985	2,109	4,861	3,768
Advertising	(NA)	(NA)	(NA)	1,778
Information search services	(NA)	(NA)	(NA)	803
Stock photo services	(NA)	(NA)	(NA)	810
Data processing services (NAICS 5142):				
Revenue	32,588	37,143	41,950	46,848
Business process management	(NA)	(NA)	(NA)	14,709
Information and document transformation	(NA)	(NA)	(NA)	1,204
Information technology design and development	(NA)	(NA)	(NA)	14,305
Data storage services	(NA)	(NA)	(NA)	113
Data management services	(NA)	(NA)	(NA)	3,832
Collocation services	(NA)	(NA)	(NA)	(S)
Information technology consulting services	(NA)	(NA)	(NA)	2,282
Web site hosting	(NA)	(NA)	(NA)	1,204
Software publishing	(NA)	(NA)	(NA)	599
Rental and leasing of computer hardware	(NA)	(NA)	(NA)	(S)
Application service provisioning	(NA)	(NA)	(NA)	837
Video and audio streaming services	(NA)	(NA)	(NA)	45
Other services revenue	(NA)	(NA)	(NA)	7,375

NA Not available. S Data do not meet publication standards. ¹ Includes other sources of revenue, not shown separately. Estimates have not been adjusted to the results of the 1997 Economic Census.

Source: U.S. Census Bureau, 2001 Service Annual Survey, *Information Sector Services*, and prior issues. See Internet site <<http://www.census.gov/econ/www/servmenu.html>> (released February 2003).

No. 1152. Academic Libraries—Summary: 1998

[For fiscal year. For 2- and 4-year degree granting institutions. Based on survey; see source for details]

Item	Circulation (1,000)				Staff ²		Expenditures		Percent with access from within library to—	
	Number of libraries	General	Reserve	Paper volumes held (1,000) ¹	Total	Librarians (percent)	Total (mil. dol.)	Salary ³ (percent)	Electronic catalog	Internet
Total	3,658	175,409	40,658	878,906	96,709	25.7	4,593	50.4	84.2	94.6
Control:										
Public	1,583	116,158	25,267	521,817	58,314	25.0	2,780	52.4	95.7	97.5
Private	2,075	59,251	15,391	357,090	38,395	26.6	1,813	47.4	75.0	92.3
Level: ⁴										
4-year degree and above ⁵	2,220	150,575	34,453	821,965	82,533	25.4	4,072	48.5	86.7	95.4
Doctor's	570	105,614	22,469	569,295	54,478	24.5	2,924	47.1	94.8	97.3
Master's	944	33,869	8,747	186,922	20,547	27.2	868	52.4	87.9	95.7
Bachelor's	703	11,083	3,236	65,645	7,499	27.0	280	51.0	78.3	93.5
Less than 4-year	1,438	24,834	6,205	56,941	14,176	27.4	520	65.4	80.1	93.3
Enrollment: ²										
Less than 1,500	2,041	24,946	6,173	117,188	14,949	29.3	567	52.0	73.0	91.4
1,500 to 4,999	1,053	33,992	9,259	172,047	22,221	27.2	947	52.8	96.4	98.7
5,000 of more	564	116,472	25,226	589,671	59,539	24.2	3,078	49.3	99.1	98.0

¹ At end-of-year. ² Full-time equivalent. ³ Salary and wages. ⁴ Level of highest degree offered. ⁵ Includes three institutions granting "other" degrees, not shown separately.

Source: U.S. National Center for Education Statistics, *Academic Libraries, 1998*, NCES 2001-341, July 2001.

No. 1153. Libraries—Number by Type: 1980 to 2000

Type	1980	1985	1990	2000	Type	1980	1985	1990	2000
Total ¹	31,564	32,323	34,613	37,024	Junior college . . .	1,191	1,188	1,233	1,283
United States	28,638	29,843	30,761	32,914	Colleges, universities	3,400	3,846	3,360	3,494
Public	8,717	8,849	9,060	9,480	Departmental	1,489	1,824	1,454	1,454
Public branches	5,936	6,330	5,833	6,957	Law, medicine, religious	269	531	501	418
Special ²	7,649	7,530	9,051	9,948	Government	1,260	1,574	1,735	1,411
Medicine	1,674	1,667	1,861	1,955	Armed Forces	485	526	489	341
Religious	913	839	946	1,015	Outlying areas	113	114	110	(NA)
Law ³	417	435	647	1,172					
Academic	4,591	5,034	4,593	4,777					

NA Not available. ¹ Includes Canadian libraries, and libraries in regions administered by the United States, not shown separately. Data are exclusive of elementary and secondary school libraries. Law libraries with fewer than 10,000 volumes are included only if they specialize in a particular field. ² Includes other types of special libraries, not shown separately. Increase between 1985 and 1990 is due mainly to revised criteria for identifying special libraries and improved methods of counting. ³ Increase in 2000 due to increased effort in identifying special libraries.

Source: Information Today, Inc., Medford, NJ, *The Bowker Annual Library and Book Trade Almanac and American Library Directory*, annual. (Copyright 2001 by Information Today, Inc.)

No. 1154. Public Libraries by Selected Characteristics: 2001

[8,223 represents \$8,223,000,000. Based on survey of public libraries. Data are for public libraries in the 50 states and the District of Columbia. The response rates for these items are between 96 and 97 percent]

Population of service area	Number of—		Operating income—			Paid staff ³		
	Public libraries	Stationary outlets ¹	Total (mil. dol.) ²	Source (percent)		Total	Librarians with ALA-MLS ⁴	Libraries with Internet access
				State government	Local government			
Total	9,129	16,421	8,223	12.7	77.3	133,456	30,094	8,785
1,000,000 or more	24	977	1,223	9.2	78.7	16,608	4,757	24
500,000 to 999,000	52	1,104	1,305	16.0	75.3	18,313	4,630	52
250,000 to 499,999	95	1,099	946	13.1	79.0	14,794	3,695	95
100,000 to 249,999	327	1,992	1,322	11.9	80.0	22,117	4,878	327
50,000 to 99,999	541	1,642	1,061	15.2	76.2	17,729	3,968	538
25,000 to 49,999	913	1,706	985	13.4	77.4	16,789	3,840	909
10,000 to 24,999	1,767	2,273	866	11.8	76.1	15,488	3,120	1,757
5,000 to 9,999	1,443	1,597	297	11.2	74.4	6,110	861	1,425
2,500 to 4,999	1,305	1,354	123	7.7	74.2	2,808	229	1,272
1,000 to 2,499	1,621	1,631	74	6.0	67.0	2,003	94	1,548
Fewer than 1,000	1,041	1,046	21	7.6	66.0	697	22	838

¹ The sum of central and branches libraries. The total number of central libraries was 8,971; the total of branch libraries was 7,450. ² Includes income from the federal government (0.6%) and other sources (9.4%), not shown separately. ³ Full-time equivalent. ⁴ Librarians with master's degrees from a graduate library education program accredited by the American Library Association (ALA). Total librarians, including those without ALA-MLS, were 44,428.

Source: U.S. National Center for Education Statistics, *Public Libraries in the United States: 2001*, NCES 2003-399, June 2003.

No. 1155. Public Library Use of the Internet: 2002

[In percent, except number of outlets. As of spring. Based on sample survey; see source for details]

Item	Metropolitan status ¹				Poverty status ²		
	Total	Urban	Sub-urban	Rural	Less than 20 percent	20 to 40 percent	More than 40 percent
All libraries outlets ³	16,004	2,742	4,764	8,498	12,847	2,832	325
Connected to the Internet	98.7	100.0	99.7	97.8	99.0	97.4	100.0
Connected with public access	95.3	100.0	95.3	93.7	94.4	98.9	100.0
Average number of workstations	10.8	20.6	11.9	6.7	9.8	15.1	10.6
Speed of access: ⁴							
56kpbs dial-up	6.5	-	2.8	11.0	7.7	2.2	-
56kpbs direct connect	14.8	6.6	10.6	20.1	14.3	15.8	23.7
64kpbs to 1.5mbps	16.6	11.9	19.7	16.5	16.8	16.7	7.2
1.5mbps (T1) or greater	49.1	77.2	59.3	33.2	48.0	53.9	47.2
Public access database subscription services available on—							
All workstations	65.0	75.5	61.7	63.3	64.5	69.0	53.2
Some workstations	25.6	21.8	31.0	23.8	25.5	24.4	36.2
No workstations	9.4	2.7	7.3	12.9	10.0	6.6	10.6
Database subscription services offered remotely to off-site users	44.3	61.9	41.2	40.0	44.7	43.1	42.5
Public access Internet content filtering/blocking on—							
All workstations	24.4	38.9	19.5	22.1	21.6	36.9	23.2
Some workstations	17.5	18.1	23.8	13.7	18.5	12.7	23.2
No workstations	58.1	43.0	56.7	64.2	59.9	50.4	53.6

- Represents or rounds to zero. ¹ Urban = inside central city; Suburban = in metro area, outside of a central city; Rural = outside a metro area. ² Determined by the 1990 poverty status of the service area of the outlet. ³ Central libraries and branches; excludes bookmobiles. ⁴ Less than 56kpbs accounts for 1.7 percent of public libraries connected to the Internet. "Don't know" responses are 10.5 percent total.

Source: National Commission on Libraries and Information Science, Washington, DC, *Public Libraries and the Internet 2002: Summary Findings and Data Tables*, September 2002, by John Carlo Bartot and Charles R. McClure, Florida State University, Tallahassee, FL.

No. 1156. Internet Access and Usage and Online Service Usage: 2003

[For persons 18 years old and over (206,900 represents 206,900,000). As of spring. Based on sample and subject to sampling error; see source for details]

Item	Have Internet access					Used the Internet in the last 30 days			Used any online service in the past 30 days
	Total adults	Any online/Internet usage	Home or work or other	Home only	Work only	Home or work or other	Home only	Work only	
Total adults (1,000)	206,900	126,979	162,408	124,466	70,555	123,734	104,280	59,498	114,615
PERCENT DISTRIBUTION									
Age:									
18 to 34 years old	31.5	37.8	34.3	33.0	34.3	38.2	35.8	34.2	38.1
35 to 54 years old	40.3	45.5	43.4	46.5	53.9	45.4	46.9	54.6	45.5
55 years old and over	28.2	16.7	22.3	20.5	11.8	16.4	17.4	11.2	16.4
Sex:									
Male	48.0	48.8	48.5	49.1	50.3	48.6	49.1	50.6	48.5
Female	52.0	51.2	51.5	50.9	49.7	51.4	50.9	49.4	51.5
Household size:									
1 to 2 persons	47.7	41.6	43.9	40.0	42.7	41.7	40.5	43.4	41.1
3 to 4 persons	37.1	43.1	40.6	43.6	44.0	43.1	44.2	44.1	43.3
5 or more persons	15.1	15.3	15.5	16.3	13.3	15.1	15.3	12.5	15.6
Any child in household	41.1	45.9	44.0	46.5	46.6	45.8	46.6	46.5	46.2
Marital status:									
Single	24.3	26.7	25.1	23.0	23.3	26.9	24.7	23.0	27.3
Married	56.9	60.9	59.5	64.5	64.3	60.8	64.0	65.0	60.4
Other	18.8	12.4	15.3	12.5	12.4	12.3	11.2	12.0	12.3
Educational attainment:									
Graduated college plus	24.0	35.0	29.2	33.9	45.4	35.5	37.6	49.8	34.4
Attended college	27.1	33.7	30.9	32.2	31.9	34.0	33.7	31.4	34.3
Did not attend college	48.9	31.3	39.9	33.9	22.7	30.5	28.7	18.7	31.2
Employed full time									
Employed part time	53.5	64.1	59.3	61.1	87.9	64.4	63.1	89.1	64.1
Unemployed	10.5	12.3	11.7	12.0	11.8	12.3	12.6	10.5	12.2
Occupation:									
Professional	10.4	15.8	13.0	14.6	24.9	16.2	16.6	26.4	15.5
Exec./manager/administrator	9.8	14.1	11.9	13.8	22.7	14.3	14.8	25.2	13.9
Clerical/sales/technical	18.2	24.3	21.3	22.1	32.7	24.5	23.5	32.9	24.6
Precision/crafts/repair	6.8	6.5	6.9	6.9	6.6	6.4	6.3	5.4	6.5
Household income:									
Less than \$50,000	49.3	33.4	40.0	31.4	22.6	33.2	29.4	20.0	33.1
\$50,000 to \$74,999	20.6	24.2	23.4	25.0	24.7	24.1	24.5	24.0	24.3
\$75,000 to \$149,999	23.6	32.9	28.5	33.8	40.4	33.1	35.4	42.6	33.1
\$150,000 or more	6.5	9.5	8.0	9.9	12.4	9.7	10.7	13.3	9.5

Source: Mediamark Research Inc., New York, NY, *CyberStats*, spring 2003 (copyright). Internet site <<http://www.mriplus.com/pocketpiece.html>> (accessed 30 July 2003).

No. 1157. Programs for Adults in Public Library Outlets: 2000

[In percent. For activities offered during a typical week during the prior year. Represents programs for which the outlet provided funding, materials, or staff to support the program or the library system ran the program within or on behalf of the outlet. Based on the Fast Response Survey System and subject to sampling error; see source for details]

Program and group	Number of visits per week				Metropolitan status ¹		
	All outlets	Less than 300	300 to 1,400	1,500 or more	Urban	Suburban	Rural
GENERAL PROGRAMS							
Computer/Internet instruction	56	36	59	77	68	59	49
Book/film discussions or presentations	43	22	45	69	56	50	34
Cultural performances	41	11	48	71	60	51	28
Recreational activities ²	39	24	40	59	52	50	29
Parenting skills	20	6	22	38	28	24	15
Financial planning/investment information	18	4	19	38	30	26	11
Employment/career guidance	17	8	20	24	31	18	12
College/continuing education guidance	15	9	18	18	21	14	13
Citizenship preparation	5	5	4	5	7	6	3
PROGRAMS FOR SPECIFIC GROUPS							
Senior citizens	24	12	25	38	35	29	18
Parents	24	10	27	38	32	31	17
Limited English speaking and/or recent immigrants	9	1	11	19	20	11	5
Adults with physical disabilities	6	4	7	9	7	5	6
Adults with learning disabilities	5	2	6	6	8	3	5

¹ Urban = inside central city; Suburban = In metro area, outside of a central city; Rural = outside a metro area. ² Such as crafts and hobbies.

Source: U.S. National Center for Education Statistics, Fast Response Survey System, *Programs for Adults in Public Library Outlets*, NCES 2003-010, November 2002.

No. 1158. Households With Computers and Internet Access by Selected Characteristic: 2001

[In percent. Based on the Current Population Survey and subject to sampling error; for details see source. See also text, Section 1, and Appendix III]

Characteristic	Households with computers				Households with Internet access			
	Total	Rural ¹	Urban ¹	Central city ¹	Total	Rural ¹	Urban ¹	Central city ¹
All households	56.5	55.6	56.7	51.5	50.5	48.7	51.1	45.7
Age of householder:								
Under 25 years old	51.1	41.3	53.0	50.9	44.7	33.5	46.7	45.3
25 to 34 years old	62.5	61.5	62.8	57.5	57.3	55.4	58.8	53.9
35 to 44 years old	69.9	71.2	69.4	62.1	62.6	62.3	63.4	54.3
45 to 54 years old	66.9	68.0	66.4	59.9	60.9	61.1	61.3	53.4
55 years old or over	39.1	38.0	39.5	35.5	33.9	32.1	35.0	29.9
Householder race/ethnicity:								
White ²	61.1	58.0	62.4	60.0	55.4	51.0	56.8	54.8
Black ²	37.1	31.5	37.7	33.9	30.8	24.4	30.9	27.4
American, Indian, Eskimo, Aleut ²	44.7	37.6	49.5	49.9	38.7	31.4	41.5	44.1
Asian or Pacific Islander ²	72.7	³ 69.4	72.8	67.4	68.1	68.2	64.1	³ 63.1
Hispanic	40.0	36.6	40.3	38.1	32.0	29.9	32.6	29.8
Household type:								
Married couple with children under 18	78.9	78.6	79.0	72.4	71.6	69.7	73.6	64.6
Male householder with children under 18	55.1	53.6	55.6	51.8	44.9	39.9	47.2	44.3
Female householder with children under 18	49.2	51.0	48.9	41.6	40.0	40.9	42.3	33.5
Family households without children	58.8	55.0	60.4	55.2	53.2	48.9	55.3	49.7
Nonfamily households	39.2	31.6	40.9	41.4	35.0	26.9	36.2	37.0
Education of householder:								
Elementary	16.0	13.4	17.1	16.9	11.2	10.4	11.6	11.5
Some high school	28.2	27.6	28.4	25.5	22.7	22.4	22.6	19.8
High school graduate or GED	46.5	50.0	45.0	39.0	39.8	42.1	39.3	32.5
Some college	64.5	68.5	63.2	58.4	57.7	60.2	57.3	52.0
Bachelor's degree or more	79.8	81.1	79.5	76.7	75.2	75.1	75.0	72.0
Household income:								
Under \$5,000	25.9	17.9	28.2	24.5	20.5	12.5	23.0	20.2
\$5,000 to \$9,999	19.2	16.4	20.1	20.6	14.4	11.0	15.5	14.5
\$10,000 to \$14,999	25.7	24.3	26.3	24.3	19.4	18.1	20.7	19.3
\$15,000 to \$19,999	31.8	29.4	32.6	33.9	23.6	21.0	25.3	24.6
\$20,000 to \$24,999	40.1	40.0	40.1	36.4	31.8	31.7	32.4	28.7
\$25,000 to \$34,999	49.7	49.4	49.9	49.9	42.2	40.5	43.7	41.3
\$35,000 to \$49,999	64.3	64.7	64.2	64.4	56.4	55.0	57.5	56.2
\$50,000 to \$74,999	77.7	78.1	77.6	75.8	71.4	70.6	71.7	70.5
\$75,000 and over	89.0	89.0	88.9	86.4	85.4	84.8	85.5	83.8

¹ See text, Section 1, and Appendix II. ² Non-Hispanic. ³ Figure does not meet standards of reliability or precision.

Source: U.S. Dept. of Commerce, National Telecommunications and Information Administration, *A Nation Online: How Americans Are Expanding Their Use of the Internet*, February 2002. Internet site <<http://www.ntia.doc.gov/ntiahome/dn/index.html>> (accessed 18 June 2003).

No. 1159. Households With Computers and Internet Access: 1998 and 2001

[In percent. Based on survey and subject to sampling error; for details, see source]

State	1998		2001		State	1998		2001	
	Com-puters	Internet access	Com-puters	Internet access		Com-puters	Internet access	Com-puters	Internet access
U.S.	42.1	26.2	56.5	50.5	MO	41.8	24.3	55.3	49.9
AL	34.3	21.6	43.7	37.6	MT	40.9	21.5	56.0	47.5
AK	62.4	44.1	68.7	64.1	NE	42.9	22.9	55.6	45.5
AZ	44.3	29.3	59.4	51.9	NV	41.6	26.5	58.2	52.5
AR	29.8	14.7	46.8	36.9	NH	54.2	37.1	55.0	50.2
CA	47.5	30.7	61.5	55.3	NJ	48.1	31.3	61.2	57.2
CO	55.3	34.5	64.7	58.5	NM	42.2	25.8	67.7	61.6
CT	43.8	31.8	58.7	55.0	NY	37.3	23.7	50.6	43.1
DE	40.5	25.1	58.4	52.5	NC	35.0	19.9	50.1	44.5
DC	41.4	24.2	49.3	41.4	ND	40.2	20.6	53.0	46.5
FL	39.5	27.8	55.9	52.8	OH	40.7	24.6	57.6	50.9
GA	35.8	23.9	52.4	46.7	OK	37.8	20.4	49.9	43.8
HI	42.3	27.9	63.1	55.2	OR	51.3	32.7	65.8	58.2
ID	50.0	27.4	62.8	52.7	PA	39.3	24.9	53.5	48.7
IL	42.7	26.5	53.0	46.9	RI	41.0	27.1	58.6	53.1
IN	43.5	26.1	53.2	47.3	SC	35.7	21.4	52.2	45.0
IA	41.4	21.8	59.4	51.0	SD	41.6	23.9	55.3	47.6
KS	43.7	25.7	57.5	50.9	TN	37.5	21.3	51.3	44.8
KY	35.9	21.1	49.8	44.2	TX	40.9	24.5	53.7	47.7
LA	31.1	17.8	45.7	40.2	UT	60.1	35.8	67.7	54.1
ME	43.4	26.0	62.8	53.3	VT	48.7	31.8	60.4	53.4
MD	46.3	31.0	64.1	57.8	VA	46.4	27.9	58.8	54.9
MA	43.4	28.1	59.1	54.7	WA	56.3	36.6	66.5	60.4
MI	44.0	25.4	58.3	51.2	WV	28.3	17.6	48.0	41.7
MN	47.6	29.0	64.6	55.6	WI	43.0	25.1	56.4	50.2
MS	25.7	13.6	41.9	36.1	WY	46.1	22.7	58.1	50.0

Source: U.S. Department of Commerce, National Telecommunications and Information Administration, *Falling through the Net: Defining the Digital Divide*, July 1999 and *A Nation Online: How Americans Are Expanding Their Use of the Internet*, February 2002. Internet site <<http://www.ntia.doc.gov/ntiahome/dn/index.html>> (accessed 18 June 2003).