18. Communications

(Sent to print April 10, 1952)

Statistics shown in this section include financial and operating data for telephone, wire-telegraph, ocean-cable, and radio-telegraph carriers which render domestic and foreign service, data on newspapers, periodicals, and books, and data on the postal service. Also included are financial and statistical data relating to authorized standard (AM), FM and television radio broadcast stations and networks in the continental United States and possessions. Additional statistics on the communication industry as well as statistics on the number of telephones on farms, radios in occupied dwelling units, and the manufacture of communication equipment appear in other sections of this *Abstract*.

In the Census of Electrical Industries, the Bureau of the Census has compiled at 5-year intervals, beginning in 1902, reports on the telephone and telegraph industries covering all systems and lines. The last survey was made for the year 1937. Since the establishment of the Federal Communications Commission in 1934, statistical coverage of communications has been concentrated in that agency. Because of the intrastate character of many mutual, cooperative, and smaller commercial telephone companies, the Federal Communications Commission has not been able to continue the same coverage as shown in the Census of Electrical Industries. Where telephone data are presented by States, such information is incomplete to the extent that only the larger interstate carriers are represented. However, on an industry-wide basis, gross operating revenues of the telephone carriers reporting to the Commission are estimated to include approximately 95 percent of the operating revenues of all telephone carriers in the United States. Reports filed by radio broadcast stations and networks, wire-telegraph, ocean-cable, and radio-telegraph carriers cover substantially all domestically domiciled units in these industries which operate in the United States and its possessions or between the United States and foreign countries. Statistical data compiled from these reports are contained in *Statistics of the Communications Industry in the United States* and in the reports to the Congress of the United States, both of which are published annually by the Federal Communications Commission.

"Bell System" as referred to in this section, consists of the American Telephone & Telegraph Co. and its principal telephone subsidiaries. Data on the postal service are obtained principally from the annual reports of the Postmaster General.

Historical statistics.—See preface and historical appendix. Tabular headnotes (as "See also *Historical Statistics*, series P 170–175") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789–1945*.

No. 543.—American Telephone & Telegraph Co. and Principal Telephone Subsidiaries (Bell Telephone System)—Summary: 1920 to 1951

[Figures are as of December 31]

ITEM	1920	1925	1930	1935	1940	1945	1950	1951
Telephones (thousands)	8,134	11,910	15,187	13,573	17,484	22,446	35,343	37,414
Central offices (number)	5,767	6,147	6,639	6,896	7,052	7,374	8,470	8,671
Miles of pole line	362,481	394,529	428,212	407,454	399,838	420,009	502,892	518,987
Miles of wire (thousands)	24,863	44,943	74,124	78,626	89,306	99,759	141,781	149,381
In underground cable	14,207	27,769	45,116	47,639	54,339	60,759	86,903	91,007
In aerial cable	6,945	12,835	23,777	26,425	30,307	33,966	48,240	51,624
Open wire	3,711	4,339	5,231	4,562	4,660	5,034	6,578	6,750
Percent total wire mileage in cable	85.07	90.3	92.9	94.2	94.8	95.0	95.3	95.5
Average daily telephone conversations, total (thousands)	33,125	50,141	64,034	60,290	79,303	90,548	140,782	145,136
Local	31,818	48,051	61,150	58,066	76,500	85,877	134,870	139,125
Toll and long distance	1,307	2,090	2,884	2,224	2,743	4,671	5,912	6,011
Total plant ($1,000)	1,373,802	2,566,809	4,028,836	4,187,790	4,747,674	5,702,057	10,101,522	10,949,686
Operating revenue ($1,000)	446,115	737,560	1,075,228	919,116	1,174,322	1,930,889	3,261,528	3,639,462
Taxes ($1,000)	27,743	58,113	84,732	94,507	184,770	399,917	499,451	629,559
Employees (number) [1]	268,593	335,858	391,746	268,754	323,701	474,527	602,466	648,459
American Tel. and Tel. Co., stockholders (number)	139,448	362,179	567,694	657,465	630,902	683,897	985,583	1,092,433

[1] Includes employees of Western Electric Co. and Bell Telephone Laboratories.

Source: American Telephone & Telegraph Co., New York, N. Y.; *Annual Report.*

No. 544.—Telephones—Number and Wire Mileage in All Systems, and Number of Telephones in the Bell System: 1880 to 1951

[Number of telephones represents total number of instruments in service]

DEC. 31—	Total telephones [1]	Total miles of wire [1]	Telephones in Bell System [2]	DEC. 31—	Total telephones [1]	Total miles of wire [1]	Telephones in Bell System [2]
1880	47,900	30,000	47,900	1932	[3] 17,424,406	[3] 87,677,586	17,341,000
1885	155,800	156,000	155,800	1933	16,711,000	87,000,000	16,635,000
1890	227,900	332,000	227,900	1934	16,869,000	86,800,000	16,797,000
1895	339,500	722,000	309,502	1935	17,424,000	87,200,000	17,354,000
1000	1,355,900	2,807,000	855,911	1936	18,433,000	88,100,000	18,362,000
1905	4,126,900	8,470,000	2,530,924	1937	[3] 19,453,401	[3] 90,831,421	19,385,000
1910	7,635,400	16,937,000	5,882,719	1938	19,953,000	92,850,000	19,885,000
1915	10,523,500	24,792,000	9,172,495	1939	20,831,000	95,150,000	20,764,000
1920	3,329,400	32,000,000	12,601,935	1940	21,928,000	99,250,000	21,861,000
1921	13,875,200	34,000,000	13,380,219	1941	23,521,000	105,550,000	23,451,000
1922	[3] 14,347,395	[3] 37,265,958	13,915,379	1942	24,919,000	108,300,000	24,853,000
1923	15,369,500	41,400,000	15,000,101	1943	26,381,000	108,000,000	26,315,000
1924	16,072,800	46,500,000	15,822,934	1944	26,859,000	109,000,000	26,843,000
1925	16,935,900	52,200,000	16,720,224	1945	27,867,000	110,700,000	27,853,000
1926	17,746,000	57,960,000	17,574,252	1946	31,611,000	116,600,000	31,597,000
1927	[3] 18,522,767	[3] 63,836,182	18,365,000	1947	34,867,000	125,500,000	34,854,000
1928	19,341,000	69,130,000	19,197,000	1948	38,205,000	137,600,000	38,193,000
1929	20,068,000	76,460,000	19,958,000	1949	40,709,000	147,300,000	40,699,000
1930	20,201,000	83,110,000	20,098,000	1950	43,004,000	156,700,000	42,995,000
1931	19,690,000	86,100,000	19,596,000	1951	45,636,000	165,100,000	45,628,000

[1] Partly estimated, except as indicated.
[2] Bell-owned and Bell-connecting (owned by other companies).
[3] From Bureau of the Census.

Source: American Telephone & Telegraph Co., New York, N. Y.; *Annual Report* and records.

O. 545.—Telephone Systems—Selected Data of Class A and Class B Carriers, by States and Other Areas: 1950

[For year ending Dec. 31. Class A carriers are those having average annual operating revenues exceeding $100,000; Class B, those exceeding $50,000 but not more than $100,000]

State and other area	Miles of wire in cable (thousands)	Miles of aerial wire (thousands)	Central offices	Average number of calls per month (thousands) [1]		Telephones (thousands)			State taxes (thousands) [2]
				Local	Toll	Total	Business	Residential	
Grand total	141,892	5,500	10,261	5,443,999	176,285	38,045	11,775	26,270	249,228
States, total	141,508	5,473	10,146	5,420,236	175,721	37,912	11,723	26,189	248,077
Alabama	1,394	119	108	83,968	1,625	377	102	275	1,662
Arizona	406	62	44	24,280	619	155	57	98	1,885
Arkansas	585	99	97	39,385	840	205	66	139	973
California	14,098	256	696	449,719	14,126	3,248	1,112	2,136	27,167
Colorado	1,015	122	181	58,763	994	425	133	292	1,897
Connecticut	3,142	48	130	97,301	5,048	789	218	571	2,461
Delaware	452	9	34	14,122	699	118	36	82	229
Dist. of Col.	1,807	--------	32	61,670	890	487	221	266	2,172
Florida	2,123	90	94	73,343	1,500	452	190	262	3,262
Georgia	2,005	161	160	108,430	1,738	517	154	362	3,218
Idaho	200	71	93	19,065	575	129	38	92	738
Illinois	10,068	142	366	301,855	12,998	2,548	873	1,674	22,352
Indiana	3,097	172	288	138,756	4,048	909	242	668	5,215
Iowa	1,349	160	181	74,160	1,982	490	127	364	1,811
Kansas	1,301	198	236	63,499	1,408	465	120	346	2,667
Kentucky	1,248	126	179	67,034	1,317	366	97	269	1,637
Louisiana	1,913	128	152	113,211	1,599	500	148	352	3,959
Maine	629	66	145	26,188	1,311	208	54	154	1,073
Maryland	2,590	70	167	74,040	2,530	651	182	468	4,217
Massachusetts	5,494	62	330	200,207	10,248	1,584	462	1,122	7,542
Michigan	7,439	182	466	279,135	5,510	1,923	503	1,420	7,799
Minnesota	2,170	140	203	116,547	2,396	681	192	489	3,529
Mississippi	679	128	162	43,547	1,117	219	66	153	2,068
Missouri	3,697	167	276	156,332	2,939	960	301	659	5,098
Montana	190	66	90	18,239	375	130	40	90	598
Nebraska	827	129	248	53,133	1,010	306	83	223	1,844
Nevada	156	32	24	3,764	126	28	11	17	328
New Hampshire	418	44	112	16,401	1,049	142	36	106	594
New Jersey	6,554	57	238	169,749	18,839	1,632	467	1,164	12,285
New Mexico	235	54	53	17,820	399	112	46	66	534
New York	21,440	180	835	639,441	25,245	5,287	1,938	3,348	55,242
North Carolina	1,502	150	196	79,750	2,079	426	129	297	3,586
North Dakota	162	66	131	16,715	389	93	28	65	678
Ohio	8,172	202	516	309,613	6,407	2,183	562	1,621	10,961
Oklahoma	1,752	155	204	87,844	1,883	497	151	346	2,900
Oregon	1,335	81	177	61,108	2,113	400	126	274	3,166
Pennsylvania	10,186	184	533	326,512	16,475	2,770	755	2,015	6,221
Rhode Island	846	10	40	32,118	1,111	239	69	170	1,731
South Carolina	792	91	76	37,943	825	197	57	140	1,547
South Dakota	175	85	143	16,487	395	112	30	81	636
Tennessee	2,038	153	210	135,465	1,725	603	168	435	3,639
Texas	6,910	436	610	321,117	5,878	1,683	547	1,136	10,546
Utah	436	48	67	33,298	913	190	53	137	791
Vermont	191	47	88	9,739	655	84	22	62	397
Virginia	2,505	115	188	89,044	2,471	601	185	416	3,023
Washington	2,125	146	235	102,876	2,828	682	202	480	5,726
West Virginia	901	60	129	51,960	1,611	330	92	238	1,320
Wisconsin	2,557	112	137	95,006	2,024	709	210	499	4,760
Wyoming	199	40	46	10,539	238	71	23	48	390
Canada	(3)	4	--------	--------	--------	--------	--------	--------	1
Cuba	1	--------	--------	--------	--------	--------	--------	--------	21
Hawaii	307	16	44	16,862	377	99	33	66	51
Puerto Rico	76	8	71	6,900	188	33	19	14	41

[1] Party estimated.
[2] Includes county, municipal and other taxing-district taxes. Excludes excise taxes collected by telephone carriers from users of telephone services.
[3] Less than 500.

Source: Federal Communications Commission; annual report, *Statistics of the Communications Industry in the United States.*

No. 546.—Telephone Systems—Summary, Class A Carriers: 1926 to 1950

[Covers class A telephone carriers filing annual reports with F. C. C. Class A carriers are those whose average annual operating revenues exceeded $100,000. Gross operating revenues of class A carriers (excluding intercompany duplications of Bell System) reporting in 1937 represented approximately 94 percent of revenues of all telephone carriers as reported for Census of Electrical Industries for that year. Figures include data for carriers consolidated and merged for which annual data are available]

[All money figures in thousands]

Year	Number of carriers	Investment in telephone plant	Depreciation and amortization reserves: Amount	Depreciation and amortization reserves: Ratio to investment (percent)	Operating revenues	Operating ratio [1] (percent)	Taxes	Net operating income after taxes	Net income	Dividends declared
	Including intercompany duplications									
1926	147	$2,981,212	$608,522	20.41	$881,633	67.00	$73,477	$212,088	$247,823	$190,094
1929	147	3,871,235	733,602	18.95	1,135,320	67.62	87,376	272,932	347,052	258,885
1930	144	4,227,787	772,485	18.27	1,169,150	68.91	90,021	264,309	341,756	204,352
1933 [2]	91	4,444,418	933,070	20.99	935,051	71.43	88,070	178,931	267,137	321,913
1935	91	4,471,787	1,106,204	24.74	998,957	70.44	99,176	196,107	278,668	314,655
1937 [2]	81	4,687,095	1,268,009	27.05	1,140,096	68.06	142,386	221,821	364,074	352,275
1939	78	4,904,828	1,378,177	28.10	1,200,532	66.93	163,885	233,107	367,361	346,454
1940	78	5,071,277	1,437,727	28.35	1,272,665	66.13	193,637	237,391	385,806	349,651
1941	78	5,389,337	1,525,542	28.31	1,406,823	65.21	243,454	245,912	369,369	343,934
1942	78	5,648,246	1,647,995	29.18	1,589,283	64.24	337,151	231,133	320,707	333,903
1943	75	5,745,128	1,814,573	31.58	1,778,118	64.25	393,705	241,937	351,896	339,551
1944	77	5,852,848	1,986,575	33.94	1,903,385	64.82	438,457	231,174	340,767	342,770
1945	76	6,056,982	2,166,601	35.77	2,074,354	66.50	420,628	274,193	353,201	355,762
1946	74	6,681,967	2,349,391	35.16	2,250,971	76.15	273,162	263,634	397,425	369,501
1947	73	7,786,202	2,513,296	32.28	2,397,629	80.72	260,761	201,421	293,409	326,703
1948	71	9,106,035	2,664,208	29.26	2,819,283	79.26	310,634	274,121	396,379	386,656
1949	71	9,983,486	2,795,295	28.00	3,095,433	77.75	366,640	322,099	453,781	435,818
1950	71	10,702,322	2,979,466	27.84	3,485,417	71.85	525,985	454,999	633,809	532,022
	Excluding intercompany duplications									
1942	78				1,545,319	63.23			177,962	182,157
1943	75				1,733,528	63.33			194,172	181,827
1944	77				1,860,818	64.01			183,639	185,643
1945	76				2,028,641	65.75			190,042	192,603
1946	74				2,203,825	75.64			226,660	198,737
1947	73				2,348,082	80.32			170,181	203,476
1948	71				2,764,161	78.85			228,478	218,755
1949	71				3,056,485	77.47			252,214	234,251
1950	71				3,444,568	71.52			371,520	269,733

Year	Miles of wire (thousands)	Telephones (thousands)	Employees, number [3]	Total compensation [4]	Year	Miles of wire (thousands)	Telephones (thousands)	Employees, number [3]	Total compensation
1926	54,541	14,413	323,217	$432,210	1942	102,357	22,163	359,465	$670,274
1929	73,775	17,026	387,778	550,210	1943	102,065	23,539	368,127	751,711
1930	80,660	17,139	347,106	555,951	1944	102,748	23,868	364,967	806,599
1933 [2]	82,349	14,336	267,871	370,073	1945	104,387	24,814	398,263	936,060
1935	82,578	15,157	265,699	402,836	1946	110,029	28,308	525,175	1,305,431
1937 [2]	85,612	17,035	295,777	489,721	1947	117,651	31,277	556,682	1,435,599
1939	89,747	18,308	286,896	511,489	1948	129,207	34,224	585,456	1,666,587
1940	93,688	19,336	304,595	537,148	1949	138,366	36,416	559,718	1,754,103
1941	99,780	20,837	344,949	602,961	1950	147,380	38,525	564,964	1,797,841

[1] Ratio of operating expenses to operating revenues.
[2] In comparing figures in this table, consideration should be given to the minor effect of revisions of Uniform System of Accounts, effective Jan. 1, 1933, and Jan. 1, 1937, resulting in certain changes in and rearrangements of both balance sheet and income statement.
[3] Number on Dec. 31 prior to 1943; end of October, thereafter.
[4] Data for 1926 through 1930 include estimates.

Source: Federal Communications Commission; annual report, *Statistics of the Communications Industry in the United States.*

No. 547.—Radiotelegraph Carriers—Summary: 1926 to 1950

[All money figures in thousands of dollars. Figures show development of principal carriers filing annual reports with F. C. C. Includes intercompany duplications]

ITEM	1926	1930	1935	1940 [1]	1945 [1]	1949 [1]	1950 [1]
Number of carriers	3	7	7	7	7	7	7
Investment in plant and equipment	15,800	25,930	29,961	29,735	28,572	38,043	38,885
Depreciation and amortization	(2)	(2)	*15,518*	*16,257*	*16,588*	*18,208*	*18,846*
Ratio to investment (percent)	(2)	(2)	51.79	54.67	58.06	47.86	48.47
Operating revenues	5,478	7,060	7,956	13,188	22,466	23,441	25,684
Operating expenses including depreciation	4,456	6,964	7,630	9,383	15,150	21,776	21,789
Operating ratio (percent) [3]	81.34	98.64	95.90	71.15	67.46	92.90	84.84
Taxes	(2)	185	198	1,497	6,860	1,143	1,645
Operating income [4]	1,010	72	*35*	*3,319*	*7,172*	*760*	*2,802*
Net income transferred to earned surplus	(2)	229	[5] *320*	2,086	2,268	431	2,373
Dividends declared	(2)	--------	[6] 1,400	[7] 838	850	5	8
Revenue messages transmitted (thousands) [8]	3,585	5,151	6,521	8,589	10,518	11,815	12,609
Number of employees on June 30	1,266	2,119	2,641	3,097	3,880	[9] 5,483	[9] 5,264
Total compensation for year	[10] 2,211	[10] 3,809	3,946	5,791	14,217	18,232	18,209

[1] In comparing data for 1940–50 with prior years, consideration should be given to changes in reporting requirements due to the uniform system of accounts effective Jan. 1, 1940.
[2] Data not available. [3] Ratio of operating expenses to operating revenues.
[4] Beginning 1940, figures are before deduction of income taxes. [5] Deficit.
[6] *Includes $400,000 charged to surplus arising from reduction of capital stock.*
[7] Includes $150,000 charged to capital surplus. [8] Includes data estimated by reporting carriers.
[9] As of end of October. [10] Includes estimated data.

Source: Federal Communications Commission; annual report, *Statistics of the Communications Industry in the United States.*

No. 548.—Radiotelephone Service, by Class: December 31, 1950

[Covers radiotelephone service offered by 31 class A and B telephone carriers; in addition, radiotelephone service with revenue amounting to $831,366 is offered by 3 radiotelegraph carriers, 1 cable carrier, and 3 small telephone carriers, details for which were not reported]

CLASS OF SERVICE	Number of chargeable calls	Gross revenues [1]
FIXED STATIONS		
Message service, total	989,172	8,959,906
Overseas, total	744,650	8,197,737
Bermuda and trans-Atlantic	304,341	3,934,033
Central and South American and Caribbean	213,832	2,210,876
Trans-Pacific	184,562	1,815,630
Other	41,915	237,198
Interstate, intrastate, intraterritory and intrapossession	244,522	762,169
Private line service	----------	196,403
MOBILE STATIONS		
Message service, total	2,879,211	3,505,100
High seas (general service)	19,294	133,347
Coastal Harbor service, total	426,340	595,562
General service	297,586	491,216
Dispatching service	*38,963*	*35,987*
Other	89,791	68,359
Mobile telephone service, total	2,433,577	2,776,191
General service	1,562,184	1,993,242
Dispatching service	826,400	727,216
Signaling service	44,993	50,755
Other	----------	4,978
Private systems	----------	1,740,296

[1] Includes land-line charges. Mobile service includes monthly charges, installation and move charges.

Source: Federal Communications Commission; annual report, *Statistics of the Communications Industry in the United States.*

No. 549.—Wire-Telegraph Carriers (Land Line and Ocean Cable)—Summary: 1926 to 1950

[**All money figures in thousands of dollars.** Figures show development of principal carriers filing annual reports with F. C. C. Includes carriers consolidated or merged for which annual report data are available. Includes intercompany duplications. Beginning 1945, not comparable with prior years; reporting requirements changed effective Jan. 1, 1943]

ITEM	1926	1930	1935	1940	1945	1948	1949	1950	
								All companies	Western Union
Number of carriers	8	7	6	6	5	5	5	4	1
Investment in plant and equipment	391, 029	485, 429	500, 417	483, 897	466, 420	408, 551	402, 606	391, 734	327, 813
Depreciation and amortization	102, 530	107, 966	105, 662	162, 096	226, 702	200, 881	198, 667	192, 138	146, 080
Ratio to investment (percent)	26. 22	22. 24	21. 11	33. 50	48. 60	49. 17	49. 35	49. 05	44. 56
Operating revenues	179, 405	175, 902	121, 785	131, 424	208, 694	207, 286	194, 548	202, 643	186, 509
Operating ratio (percent)[1]	80. 81	85. 25	83. 91	87. 52	88. 72	94. 34	94. 66	87. 27	87. 79
Taxes	6, 957	5, 232	4, 378	7, 899	9, 695	7, 812	7, 783	11, 124	9, 131
Operating income	26, 880	20, 206	14, 384	7, 915	[2] 14, 251	[3] *1, 095*	[3] *1, 119*	[2] 14, 118	[2] 13, 231
Net income	22, 722	13, 390	4, 175	1, 883	[3] *2, 309*	940	[3] *3, 280*	9, 518	8, 936
Dividends declared	14, 665	23, 664	4, 800	2, 033	2, 453	1, 935	353	3, 343	2, 450
Miles of wire (thousands)	2, 097	2, 396	2, 362	2, 389	2, 363	1, 748	1, 546	1, 404	1, 338
Number of revenue messages transmitted (thousands)[4]	230, 824	226, 460	173, 862	189, 864	242, 049	200, 041	184, 462	184, 881	179, 781
Employees, number[5]	86, 383	92, 148	65, 946	63, 036	65, 188	54, 940	47, 327	45, 977	42, 053
Total compensation[6]	110, 453	118, 352	71, 956	81, 338	137, 645	154, 166	138, 908	128, 968	120, 553

[1] Ratio of operating expenses to operating revenue.
[2] Represents operating income before deduction of income taxes.
[3] Deficit or other reverse item.
[4] Represents estimates by reporting carriers.
[5] Number on Dec. 31 prior to 1947, end of October thereafter.
[6] Data for 1926–30 include estimates by reporting carriers.

Source: Federal Communications Commission; annual report, *Statistics of the Communications Industry in the United States.*

No. 550.—Western Union Telegraph Co.—Line and Wire Mileage, Offices and Finances: 1867 to 1951

YEAR ENDING—	Miles of pole line and cable[1]	Miles of wire[1]	Number of offices[2]	Receipts	Expenses	Net income[3]
June 30—				*Dollars*	*Dollars*	*Dollars*
1867	46, 270	85, 291	2, 565	6, 568, 925	3, 944, 006	2, 624, 920
1870	54, 109	112, 191	3, 972	7, 138, 738	4, 910, 772	2, 227, 966
1880	85, 645	233, 534	9, 077	12, 782, 895	6, 948, 957	5, 833, 938
1890	183, 917	678, 997	19. 382	22, 387, 029	15, 074, 304	7, 312, 725
1900	192, 705	933, 153	22, 900	24, 758, 570	18, 593, 206	6, 165, 364
1910	214, 360	1, 429, 049	24, 825	33, 889, 202	26, 614, 302	7, 274, 900
Dec. 31—						
1915	238, 940	1, 610, 709	25, 142	52, 475, 721	40, 972, 541	11, 503, 180
1920	246, 214	1, 449, 710	24, 881	121, 473, 685	108, 134, 041	13, 339, 644
1925	246, 307	1, 635, 236	24, 428	129, 151, 617	112, 861, 832	16, 289, 785
1930	256, 763	1, 948, 938	24, 298	133, 235, 751	123, 987, 519	9, 248, 232
1935	254, 691	1, 905, 858	20, 964	91, 389, 312	86, 131, 234	5, 258, 078
1940	249, 343	1, 914, 615	19, 140	101, 277, 546	97, 655, 965	3, 621, 581
1945	276, 084	2, 291, 164	18, 687	[4] 194, 271, 046	[4] 189, 836, 541	5, 434, 505
1946	[5] 215, 892	[5] 2, 087, 687	18, 588	[4] 185, 189, 220	[4] 196, 189, 919	[7] [5] *11, 000, 699*
1947	[6] 167, 616	[6] 1, 786, 285	18, 232	[4] 208, 969, 995	[4] 199, 828, 649	9, 141, 346
1948	[6] 158, 564	[6] 1, 675 558	17, 460	[4] 197, 782, 367	[4] 197, 953, 988	[7] [8] *171. 621*
1949	[6] 146, 990	[6] 1, 477, 925	16, 835	[4] 181, 944, 962	[4] 185, 308, 368	[7] [8] *3, 363, 406*
1950	[6] 132, 274	[6] 1, 337, 768	16, 202	[4] 189, 436, 704	[4] 180, 500, 859	[8] 8, 935, 845
1951	[6] 122, 566	[6] 1, 264, 293	15, 355	[4] 203, 792, 458	[4] 197, 824, 468	[8] 5, 967, 990

[1] Pole and wire mileages reflect acquisition on Oct. 7, 1943, of facilities of Postal Telegraph Companies.
[2] Excludes agency and commission offices, numbering 11,562 on Dec. 31, 1951.
[3] Figures for 1915 and prior years represent net income before bond interest.
[4] Effective Jan. 1, 1943, the Federal Communications Commission prescribed a new system of accounts for telegraph carriers, and receipts and expenses as stated above for subsequent years are not fully comparable with results for prior years.
[5] Net income from current operations, before extraordinary adjustments of income applicable to prior years.
[6] Excludes controlled pole lines and wires no longer recorded in plant records.
[7] Deficit. [8] After extraordinary credits and charges.

Source: Western Union Telegraph Co., New York, N. Y.; *Annual Report.*

No. 551.—Broadcast Authorizations, by States and Other Areas: 1949, 1950, and 1952

[Stations licensed or holding construction permits]

State or other area	1949 (as of June 30)				1950 (as of June 7)				1952 (as of Jan. 1)			
	Total	AM	FM [1]	TV	Total	AM	FM [2]	TV	Total	AM [3]	FM [3]	TV
Total	3,161	2,179	865	117	3,226	2,295	822	109	3,039	2,287	644	108
Alabama	81	61	18	2	88	71	15	2	89	72	15	2
Arizona	26	24	------	2	28	25	2	1	27	25	1	1
Arkansas	40	32	8	------	41	34	7	------	47	42	5	------
California	219	147	62	10	219	143	65	[4] 11	184	133	40	11
Colorado	37	34	3	------	38	35	3	------	36	33	3	------
Connecticut	40	26	13	1	39	27	11	1	36	26	9	1
Delaware	12	6	5	1	9	5	3	1	9	6	2	1
District of Columbia	20	7	9	4	19	7	8	4	19	7	8	4
Florida	100	71	24	5	100	75	22	3	98	76	20	2
Georgia	100	70	27	3	102	76	23	3	102	77	22	3
Idaho	26	21	5	------	25	22	3	------	27	23	4	------
Illinois	127	71	50	6	130	74	51	5	122	75	42	5
Indiana	76	44	29	3	73	45	26	2	66	43	21	2
Iowa	70	46	22	2	76	52	22	2	66	47	18	1
Kansas	46	38	8	------	46	39	7	------	38	36	2	------
Kentucky	58	43	13	2	60	43	15	2	58	45	11	2
Louisiana	59	39	17	3	61	42	18	1	57	44	12	1
Maine	19	16	3	------	18	16	2	------	16	14	2	------
Maryland	44	24	17	3	43	22	18	3	36	22	11	3
Massachusetts	79	46	30	3	83	51	30	2	74	50	22	2
Michigan	94	60	28	6	98	63	29	6	92	61	25	6
Minnesota	58	44	11	3	63	49	12	2	58	49	7	2
Mississippi	46	40	6	------	49	43	6	------	48	44	4	------
Missouri	67	45	20	2	70	51	17	2	63	49	12	2
Montana	26	26	------	------	25	25	------	------	25	25	------	------
Nebraska	27	21	4	2	27	22	3	2	24	21	2	1
Nevada	11	9	2	------	11	10	1	------	11	10	1	------
New Hampshire	17	11	6	------	16	12	4	------	15	12	3	------
New Jersey	37	19	17	1	36	20	15	1	32	19	12	1
New Mexico	24	23	------	1	27	25	1	1	25	24	------	1
New York	171	93	64	14	170	95	62	13	153	94	46	13
North Carolina	132	90	40	2	139	93	44	2	130	97	40	2
North Dakota	15	14	1	------	14	14	------	------	13	13	------	------
Ohio	127	62	53	12	132	69	51	12	127	71	42	14
Oklahoma	59	43	14	2	61	46	13	2	50	42	6	2
Oregon	50	30	10	1	53	43	10	------	52	44	8	------
Pennsylvania	186	108	71	7	185	111	67	7	174	114	53	7
Rhode Island	19	11	7	1	18	11	6	1	17	11	5	1
South Carolina	57	43	14	------	53	42	11	------	58	45	13	------
South Dakota	15	14	1	------	15	14	1	------	13	12	1	------
Tennessee	74	55	18	1	73	57	14	2	72	61	9	2
Texas	223	178	39	6	222	183	33	6	216	184	26	6
Utah	23	19	3	1	24	18	4	2	22	18	2	2
Vermont	8	8	------	------	9	9	------	------	9	9	------	------
Virginia	78	52	24	2	79	57	20	2	78	57	19	2
Washington	54	46	7	1	62	53	8	1	60	52	7	1
West Virginia	55	34	20	1	54	38	15	1	52	37	14	1
Wisconsin	73	51	21	1	80	55	24	1	75	57	17	1
Wyoming	12	12	------	------	13	13	------	------	13	13	------	------
Alaska	8	8	------	------	10	10	------	------	10	10	------	------
Hawaii	9	9	------	------	12	12	------	------	12	12	------	------
Puerto Rico	27	26	1	------	25	25	------	------	23	23	------	------
Virgin Islands	------	------	------	------	3	3	------	------	1	1	------	------

[1] Excludes 58 noncommercial educational broadcast stations.
[2] Includes 82 noncommercial educational broadcast stations.
[3] Excludes 34 AM and 96 FM noncommercial stations.
[4] Includes 1 experimental authorization operating on commercial basis.

Source: Federal Communications Commission, *Annual Report*.

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No. 552.—Total Broadcast Revenues of All Networks and Stations, AM and AM-FM, FM and TV: 1937 to 1950

[Total broadcast revenues are defined as total time sales of all networks and stations, less commissions to agencies and plus incidental revenues, such as sale of talent, program material, etc.]

Year	Total		AM and AM-FM [1]		FM (independents)		TV [2]	
	Number of stations	Revenues (thousands)	Number of stations	Revenues (thousands)	Number of stations	Revenues (thousands)	Number of stations	Revenues (thousands)
1937	629	$114,223	629	$114,223	----------	----------	----------	----------
1938	660	111,358	660	111,358	----------	----------	----------	----------
1939	705	123,882	705	123,882	----------	----------	----------	----------
1940	765	147,147	765	147,147	----------	----------	----------	----------
1941	825	168,785	817	168,779	2	----------	6	$6
1942	862	178,894	851	178,839	5	$13	6	42
1943	852	215,428	841	215,318	5	26	6	84
1944	885	275,550	875	275,299	4	32	6	219
1945	912	299,715	901	299,338	5	39	6	338
1946	1,043	323,228	1,025	322,553	8	17	10	658
1947	1,531	366,032	1,464	363,714	52	422	15	1,896
1948	1,974	416,867	1,824	406,995	103	1,251	47	8,621
1949	2,223	449,544	2,021	413,785	104	1,429	98	34,330
1950	2,336	550,400	2,143	443,100	86	1,400	107	105,900

[1] Includes revenues of 4 Nation-wide networks and regional networks.
[2] Includes revenues of 4 TV networks beginning in 1948 when commercial TV network operation started.

Source: Federal Communications Commission.

No. 553.—Employment, Hours, and Earnings in the Radio and Television Broadcasting Industry: October 1950

Classification	Total			Networks and owned and operated stations			Other broadcasting stations [1]		
	Number of employees	Average scheduled weekly— Hours	Average scheduled weekly— Earnings	Number of employees	Average scheduled weekly— Hours	Average scheduled weekly— Earnings	Number of employees	Average scheduled weekly— Hours	Average scheduled weekly— Earnings
All full-time employees except general officers and assistants	46,793	40.0	$73.00	9,350	38.5	$90.00	37,443	40.0	$68.50
Staff program employees:									
Supervisory	2,301	41.0	97.00	224	39.0	177.00	2,077	41.5	88.50
Nonsupervisory	14,203	38.5	73.00	2,255	36.0	107.00	11,948	39.0	67.00
Technical employees:									
Supervisory	2,429	41.5	96.50	199	39.5	160.00	2,230	42.0	90.50
Nonsupervisory	10,670	40.5	76.00	1,888	39.5	104.50	8,782	41.0	70.00
Commercial employees:									
Supervisory	1,205	41.5	120.00	98	39.0	197.50	1,107	41.5	113.00
Nonsupervisory	3,897	41.0	86.50	281	38.5	138.00	3,616	41.0	82.50
Promotion and publicity employees:									
Supervisory	319	40.0	114.50	94	39.5	159.50	225	40.0	96.00
Nonsupervisory	486	39.5	72.00	224	39.5	92.00	262	39.5	55.50
Clerical employees	9,103	40.0	48.00	3,155	40.5	55.00	5,948	40.0	44.50
Building-service employees	1,716	37.5	47.00	707	37.0	59.50	1,009	38.5	38.00
All other employees except general officers and assistants	464	39.0	78.00	225	40.0	107.00	239	38.0	50.50
Full-time general officers and assistants	2,769	(2)	[3] 162.50	164	(2)	[3] 391.00	2,605	(2)	[3] 148.50
All part-time employees except general officers and assistants	10,503	(2)	[3] 69.00	3,323	(2)	[3] 148.00	7,180	(2)	[3] 32.00
Part-time general officers and assistants	567	(2)	[3] 77.50	--------	--------	--------	567	(2)	[3] 77.50

[1] Includes all stations not owned and operated by networks.
[2] Not reported.
[3] Average actual weekly earnings.

Source: Department of Labor, Bureau of Labor Statistics.

No. 554.—Radio Stations Authorized and Operators Licensed, by Class, as of June 30: 1949, 1950, and 1951

Class of station or operator	1949	1950	1951
Safety and special radio authorization	61,286	66,382	86,942
Aeronautical	27,227	23,794	34,061
Aircraft	23,723	20,118	30,832
Ground	3,504	3,676	3,229
Marine	20,004	24,921	29,544
Ship	18,140	22,601	26,681
Ship radar	863	1,125	1,625
Coastal and marine relay	136	130	116
Alaskan coastal	302	340	344
Alaskan fixed public	480	524	517
Other	83	201	261
Public safety	5,700	7,607	9,129
Police	4,759	5,618	6,198
Fire	124	276	432
Forestry—Conservation	565	1,307	1,728
Highway maintenance	165	238	408
Special emergency	87	168	313
State Guard			50
Industrial	4,266	6,099	9,551
Power	2,712	3,601	5,016
Petroleum	802	1,380	2,416
Forest products	144	246	453
Special industrial	571	724	1,451
Low-power industrial	3	93	150
Relay press	19	26	35
Motion picture	15	20	21
Other		9	9
Land transportation	3,588	3,495	4,253
Railroad	334	450	604
Land transportation—Con.			
Urban transit	80	100	111
Intercity bus	20	30	31
Taxicab	3,144	2,750	3,152
Highway truck	8	107	270
Automobile emergency	2	58	85
Experimental	501	466	404
Broadcast stations [1]	4,085	4,510	4,592
Standard (AM)	2,179	2,303	2,385
Frequency modulation (FM)	865	732	659
Television (TV)	117	109	109
Television (experimental)	205	206	213
Noncommercial educational (FM)	58	82	95
Facsimile	2	(2)	(2)
International	37	40	40
Remote pickup	580	1,003	1,043
Studio transmitter (ST)	28	29	42
Developmental	14	6	6
Radio operators and amateur stations	645,587	712,395	792,019
Commercial operators	[3] 378,500	416,881	474,155
Aircraft radiotelephone operators	104,569	120,550	137,988
Amateur operators	80,721	86,662	88,729
Amateur stations	81,675	87,967	90,587
Citizens stations	122	335	560

[1] Stations licensed or holding construction permits.
[2] Commercial facsimile broadcasting is now authorized over FM broadcast facilities.
[3] Estimated.

Source: Federal Communications Commission; *Annual Report.*

No. 555.—Comparative Financial Data for All Networks and Standard Broadcast Stations: 1946 to 1950

[In thousands of dollars, except number of networks and stations]

Item	1946	1947	1948	1949	1950
Number of networks	8	7	7	7	7
Number of stations	1,025	1,464	1,824	2,021	2,143
Broadcast revenues, total	322,553	363,714	406,995	413,785	443,057
Broadcast expenses of networks and stations	246,087	291,918	342,904	357,522	372,314
Broadcast income before Federal income tax	76,466	71,796	64,092	56,263	70,743
BROADCAST REVENUES					
Revenues from time sales, net	288,009	326,117	366,428	375,050	401,089
Commissions to regularly established agencies, representatives, brokers and others	*45,470*	*47,970*	*50,298*	*50,307*	*52,476*
Revenues from time sales, total	334,079	374,087	416,720	425,357	453,565
Revenues from network time sales, net	134,781	134,727	141,052	134,898	131,530
Payments to foreign stations and elimination of miscellaneous duplications	*3,759*	*3,551*	*3,896*	*1,863*	*1,411*
Network time sales to:					
Nation-wide networks	130,497	131,265	137,619	130,766	126,044
Regional networks	5,729	4,975	4,868	3,854	3,962
Miscellaneous networks and stations	2,315	2,038	2,462	2,141	2,935
Revenues from non-network time sales to:					
National and regional advertisers and sponsors	82,918	91,581	104,760	108,315	118,824
Local advertisers and sponsors	116,380	147,779	170,908	182,144	203,211
Revenues from incidental broadcast activities, total	33,944	37,597	40,567	38,735	41,968
Talent	16,763	19,599	22,196	21,998	25,202
Sundry broadcast revenues	17,180	17,998	18,371	16,737	16,766

Source: Federal Communications Commission; annual report, *Statistics of the Communications Industry in the United States.*

No. 556.—Comparative Financial Data for the 4 Nation-Wide Standard Broadcast Networks and Their Key Stations: 1946 to 1950

ITEM	1946	1947	1948	1949	1950
Number of key stations	10	11	11	11	11
Total broadcast revenues	$86,494,599	$91,232,718	$95,788,942	$95,409,849	$95,609,651
Total broadcast expenses	71,708,921	75,091,412	80,508,811	79,995,870	80,435,393
Broadcast income (before Federal income taxes)	14,785,678	16,141,306	15,280,131	15,413,979	15,174,258

No. 557.—Comparative Financial Data for 1,665 Standard Broadcast Stations by Class of Station and Time of Operation: 1949 and 1950

[All broadcast income is before Federal income taxes. Only those stations identical for both years with respect to class, time and network affiliation are included. Excludes 18 stations of networks]

ITEM	1949	1950	Percent increase
Averages per station:			
Total (1,665 stations):			
Total broadcast revenues	$174,730	$185,771	6.32
Total broadcast expenses	149,785	153,262	2.32
Broadcast income	24,945	32,509	30.32
Clear channel 50 kilowatts unlimited (62 stations [1]):			
Total broadcast revenues	1,036,662	1,075,125	3.71
Total broadcast expenses	786,888	796,107	1.17
Broadcast income	249,774	279,018	11.71
Clear channel 5 to 25 kilowatts unlimited (40 stations):			
Total broadcast revenues	321,456	366,281	13.94
Total broadcast expenses	282,560	308,965	9.34
Broadcast income	38,896	57,316	47.30
Clear channel 5 to 25 kilowatts part-time (4 stations):			
Total broadcast revenues	160,491	176,203	9.79
Total broadcast expenses	135,805	152,816	12.53
Broadcast income	24,686	23,387	[2] 5.26
Regional unlimited (483 stations):			
Total broadcast revenues	246,674	261,465	6.00
Total broadcast expenses	209,424	211,944	1.20
Broadcast income	37,250	49,521	32.94
Regional part-time (271 stations):			
Total broadcast revenues	91,828	99,835	8.72
Total broadcast expenses	89,000	91,875	3.23
Broadcast income	2,828	7,960	181.47
Local unlimited (699 stations):			
Total broadcast revenues	89,546	95,413	6.55
Total broadcast expenses	81,808	84,122	2.83
Broadcast income	7,738	11,291	45.92
Local day and part-time (106 stations):			
Total broadcast revenues	61,605	68,483	11.16
Total broadcast expenses	59,485	64,015	7.62
Broadcast income	2,120	4,468	110.75

[1] Includes 3 stations clear channel 50-kilowatts, part-time. [2] Decrease.

No. 558.—Broadcast Revenues and Income of Standard Broadcast Stations and Networks: 1949 and 1950

SOURCE	1949				1950			
	Total broadcast revenues		Broadcast income [1]		Total broadcast revenues		Broadcast income [1]	
	Amount	Percent of total	Amount	Percent of total	Amount	Percent of total	Amount	Percent of total
Total	$413,784,633	100.00	$56,262,915	100.00	$443,057,845	100.00	$70,743,262	100.00
Networks, including owned and operated stations	108,079,704	26.12	17,473,756	31.06	110,478,458	24.94	18,984,342	26.84
Networks and their key stations	96,959,626	23.43	14,776,654	26.27	97,463,908	22.00	15,134,406	21.40
Other network owned and operated stations	11,120,078	2.69	2,697,102	4.79	13,014,550	2.94	3,849,936	5.44
Other stations	305,704,929	73.88	38,789,159	68.94	332,579,387	75.06	51,758,920	73.16
Network outlet stations	216,413,850	52.30	35,383,820	62.89	232,788,768	52.54	43,154,659	61.00
Other stations	89,291,073	21.58	3,405,339	6.05	99,790,619	22.52	8,604,261	12.16

[1] Before Federal income taxes.

Source of tables 556, 557, and 558: Federal Communications Commission; annual report, *Statistics of the Communications Industry in the United States.*

No. 559.—Financial Data of Television Networks and Broadcast Stations: 1949 and 1950

[In millions of dollars]

ITEM	1949			1950		
	Broadcast revenues	Broadcast expenses	Broadcast loss	Broadcast revenues	Broadcast expenses	Broadcast loss
Industry total	34.3	59.6	25.3	105.9	115.1	9.2
4 networks (including owned and operated stations)	19.3	31.4	12.1	55.5	65.5	10.0
Other stations	15.0	28.2	13.2	50.4	49.6	[1] 8

[1] Represents gain.

Source: Federal Communications Commission; annual report, *Statistics of the Communications Industry in the United States*.

No. 560.—Periodicals—Number, Circulation, and Receipts, by Type: 1947

[Circulation and money figures in thousands]

TYPE	Number published	Aggregate circulation per issue	Receipts
Total	4,610	384,628	$1,045,523
Agriculture and farm, general	95	16,514	38,060
Agriculture and farm, specified	144	6,005	10,957
Art, music, and drama	54	2,730	5,322
Business and finance	127	2,013	31,211
Comics	263	89,478	41,829
Educational	177	14,565	21,845
Fashions	38	5,746	31,603
Fiction	180	35,332	44,572
Fraternal and clubs	98	14,388	9,163
General interest, news, and current events	203	64,228	343,865
Geography and travel	20	1,187	6,293
Home and garden	32	11,867	39,874
Juvenile	17	2,837	7,058
Labor	183	3,694	$6,877
Legal	85	273	3,319
Medical and dental	143	1,894	11,392
Military and naval	21	622	1,841
Motion picture	31	8,272	15,032
Religious	951	47,191	42,752
Science and technology	106	3,918	13,658
Sports, outdoor, hobbies, etc	206	8,977	36,412
Trade: merchandising	472	5,310	62,348
Trade: professional, institutional, and service	298	3,099	31,146
Trade: industrial, engineering, and technical	489	6,166	79,421
University, college, and school	17	64	418
Women's service	21	22,556	100,439
All other	139	5,699	8,766

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures report.

No. 561.—Newspapers and Periodicals—Number and Circulation, by Frequency of Issue, and Receipts: 1929 to 1947

[Circulation and money figures in thousands]

FREQUENCY OF ISSUE AND RECEIPTS	1929	1931	1933	1935	1937	1939	1947
NEWSPAPERS							
Total number	10,176	9,299	6,884	8,266	8,826	9,173	10,282
Aggregate circulation per issue [1]	91,778	86,457	76,299	87,096	95,296	96,476	119,567
Daily (except Sunday):							
Morning:							
Number	459	455	432	464	505	473	400
Circulation	15,742	15,480	14,782	15,984	17,311	17,152	21,706
Evening:							
Number	1,627	1,589	1,471	1,573	1,560	1,567	1,454
Circulation	26,274	25,813	22,849	24,887	26,034	25,814	31,490
Sunday:							
Number	578	555	489	523	528	542	416
Circulation	29,012	27,453	25,454	29,196	32,713	33,007	42,736
Weekly:							
Number	7,075	6,313	4,218	5,337	5,839	6,212	7,705
Circulation	18,884	16,173	12,048	15,185	17,287	18,295	21,408
Semiweekly:							
Number	381	339	240	332	348	343	230
Circulation	1,580	1,353	1,026	1,724	1,720	1,990	926
Triweekly:							
Number	56	48	34	37	46	36	21
Circulation	287	184	140	121	231	219	151
Other:							
Number							56
Circulation							1,060
Receipts, total	$1,073,119	$886,523	$667,820	$760,247	$861,689	$845,687	$1,792,338
Subscription and sales	275,781	261,569	239,147	260,224	287,509	306,192	599,925
Advertising	797,338	624,954	428,673	500,023	574,180	539,495	1,192,413
PERIODICALS							
Total number	5,157	4,887	3,459	4,019	4,202	4,985	4,610
Aggregate circulation [1]	202,022	183,527	174,759	178,621	224,275	239,693	384,628
Daily:							
Number	207	204	177	196	163	220	112
Circulation	932	831	794	682	701	1,979	842
Triweekly:							
Number	8	9	6	7	8	12	5
Circulation	25	31	25	22	33	27	5
Semiweekly:							
Number	27	38	30	27	45	50	21
Circulation	1,402	1,284	1,811	2,129	2,556	2,995	182
Weekly:							
Number	1,158	1,066	878	966	954	1,109	892
Circulation	34,495	30,782	39,365	42,648	56,115	55,825	69,393
Semimonthly:							
Number	224	205	145	171	179	193	233
Circulation	9,168	6,375	4,593	5,508	7,548	8,135	13,832
Monthly:							
Number	2,799	2,552	1,664	2,009	2,063	2,323	2,253
Circulation	133,048	122,671	103,193	102,194	124,521	134,766	194,824
Quarterly:							
Number	562	629	462	510	547	698	647
Circulation	20,605	19,576	23,238	23,277	25,808	26,238	45,535
Other:							
Number	172	184	97	133	243	380	447
Circulation	2,346	1,978	1,742	2,161	6,903	9,726	60,015
Receipts, total	$507,445	$407,254	$269,294	$329,564	$407,835	$409,027	$1,045,523
Subscription and sales	184,545	163,698	128,292	143,466	171,961	184,572	419,782
Advertising	322,900	243,556	141,002	186,098	235,874	224,455	625,741

[1] Calculated by totaling returns for average circulation per issue as made for individual publications.

Source: Department of Commerce, Bureau of Census; 1947 Census of Manufactures report.

No. 562.—Book Publishing—Number of Copies Sold and Receipts, by Type: 1947

[In thousands]

Type	All editions			
	Number of copies sold			Receipts
	Total	Hard-bound	Paper-bound	
Books, total	487,216	277,450	209,766	$435,134
Textbooks:				
Elementary and high school	74,254	53,285	20,969	55,068
College	23,821	22,547	1,274	52,513
School workbooks (except educational tests)	41,070	843	40,227	13,227
Religious books:				
Bibles and testaments	9,248	4,703	4,545	9,285
Prayer books	2,606	1,372	1,234	1,558
General religious books and hymnals	30,689	15,619	15,070	18,050
Technical and professional books	17,467	11,676	5,791	45,837
Mail-order books, including book clubs	54,429	45,546	8,883	65,423
Subscription books	14,626	13,880	746	63,851
Trade books:				
Adult	140,414	48,673	91,741	69,063
Juvenile	53,752	49,962	3,790	20,289
Other books	24,840	9,344	15,496	20,070
All pamphlets, total, including educational test	402,290	----------	402,290	20,656

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures report.

No. 563.—Registration of Copyrights by Subject Matter: Fiscal Years, 1946 to 1951

[For information on patents, see table 540, p. 457. See also *Historical Statistics*, series P 170-175 for data on total registrations and on the registration of books, musical compositions, and commercial prints and labels]

Subject matter of copyright	1946	1947	1948	1949	1950	1951
Total	202,144	230,215	238,121	201,190	210,564	206,354
Books	47,860	53,925	54,774	51,562	54,894	50,533
Printed in the United States	43,737	49,243	51,546	48,323	50,144	45,879
Books proper	7,679	9,903	9,786	10,254	11,323	11,272
Pamphlets, leaflets, etc	30,554	34,940	35,797	33,929	34,383	31,199
Contributions to newspapers and periodicals	5,504	4,400	5,963	4,140	4,438	3,408
Printed abroad in a foreign language	3,513	3,970	2,545	2,644	3,710	3,536
English books registered for ad interim copyright	610	712	683	595	1,040	1,118
Periodicals (numbers)	48,289	58,340	59,699	54,163	55,436	55,129
Lectures, sermons, addresses	1,129	972	1,263	1,036	1,007	693
Dramatic or dramatico-musical compositions	5,356	6,456	6,128	5,159	4,427	3,992
Musical compositions	63,367	68,709	72,339	48,210	52,309	48,319
Maps	1,304	1,779	1,456	2,314	1,638	1,992
Works of art, models, or designs	3,094	4,044	3,038	3,281	4,013	3,428
Reproductions of works of art	317	540	309	239	326	453
Drawings or plastic works of a scientific or technical character	1,777	2,147	1,619	1,063	1,316	953
Photographs	1,752	1,838	1,844	1,134	1,143	770
Commercial prints and labels	7,975	9,674	10,619	13,233	13,320	11,981
Prints and pictorial illustrations	5,384	6,506	6,086	4,358	4,309	3,590
Motion picture photoplays	774	666	632	667	782	835
Motion pictures not photoplays	1,250	1,418	999	1,096	1,113	1,314
Renewals of commercial prints and labels	33	21	20	13,675	14,531	16,372
Renewals of all classes	12,483	13,180	15,796			

Source: The Library of Congress, *Annual Report*.

No. 564.—United States Postal Service—Summary: 1800 to 1950

[Postal statistics, unless otherwise noted, include data for outlying Territories and possessions except Canal Zone. Excludes Philippine Islands for all years. Leaders indicate no data. For financial data, see also *Historical Statistics*, series P 165-167]

Year ending June 30—	Number of post offices	Mileage of post routes [1]	Finances (thousands of dollars): Gross revenue	Gross expenditure	Surplus (+) or deficit (−) [2]	Revenue per capita, dollars	Money orders issued (thousands of dollars): Domestic [3]	International [3]	Number of ordinary postage stamps issued, millions	Number of pieces of mail handled, millions [4]
1800	903	20,817	281	214	+67	-------	-------	-------	-------	-------
1810	2,300	36,406	552	496	+56	-------	-------	-------	-------	-------
1820	4,500	72,492	1,112	1,161	−49	-------	-------	-------	-------	-------
1830	8,450	115,176	1,851	1,933	−82	-------	-------	-------	-------	-------
1840	13,468	155,739	4,544	4,718	−175	0.27	-------	-------	-------	-------
1850	18,417	178,672	5,500	5,213	+287	.20	-------	-------	[5] 2	-------
1860	28,498	240,594	8,518	19,171	−10,653	.27	-------	-------	216	-------
1865	20,550	142,340	14,556	13,695	+917	.42	[6] 1,360	-------	387	-------
1870	28,492	231,232	18,880	23,999	−5,098	.49	34,054	[7] 22	468	-------
1875	35,547	277,873	26,791	33,611	−6,820	.61	77,431	1,965	682	-------
1880	42,989	343,888	33,315	36,543	−3,222	.66	100,353	3,464	876	-------
1885	51,252	365,251	42,561	50,046	−7,481	.76	117,859	6,840	1,465	-------
1890	62,401	427,990	60,882	66,260	−5,401	.97	114,363	13,230	2,220	4,005
1895	70,064	456,026	76,983	87,180	−10,230	1.12	156,709	12,906	2,795	5,134
1900	76,688	500,989	102,355	107,740	−5,410	1.34	238,921	16,749	3,999	7,130
1905	68,131	486,805	152,827	167,399	−14,594	1.82	396,903	47,516	5,751	10,188
1910	59,580	447,998	224,129	229,977	−5,881	2.43	547,994	99,743	9,067	14,850
1915	56,380	433,334	287,248	298,546	−11,333	2.85	656,139	60,772	11,226	-------
1920	52,641	435,342	437,150	454,323	−17,270	4.11	1,332,700	32,960	13,213	-------
1925	50,957	464,269	599,591	639,282	−39,745	5.28	1,532,567	52,650	17,387	25,835
1930	49,063	503,918	705,484	803,667	−98,216	5.75	1,714,576	72,708	16,269	27,888
1935	45,686	514,128	630,795	696,503	−65,808	4.94	1,820,957	30,429	13,610	22,332
1940	44,024	541,514	766,949	807,629	−40,784	5.84	2,094,543	21,668	16,381	27,749
1941	43,739	550,958	812,828	836,859	−24,118	6.11	2,357,613	16,863	16,381	29,236
1942	43,358	560,093	859,817	873,950	−14,139	6.39	3,101,923	14,743	19,492	30,118
1943	42,654	545,128	966,227	952,529	+13,692	7.08	4,435,620	17,557	19,124	32,818
1944	42,161	549,093	1,112,877	1,068,987	+43,892	8.06	4,571,573	29,981	19,106	34,931
1945	41,792	559,903	1,314,240	1,145,002	+169,139	9.41	4,810,300	38,137	.20,240	37,912
1946	41,751	561,418	1,224,572	1,353,650	−129,082	8.69	4,748,066	38,738	19,180	36,318
1947	41,760	609,900	1,299,141	1,504,805	−205,658	9.02	4,199,610	41,533	19,542	37,428
1948	41,695	640,329	1,410,971	1,687,759	−276,834	9.62	4,554,944	51,264	20,432	40,280
1949	41,607	662,379	1,571,851	2,149,297	−577,471	10.53	4,846,918	41,788	21,047	43,555
1950	41,464	668,265	1,677,487	[8] 2,222,906	−545,462	11.05	4,598,024	58,978	20,647	45,064

[1] Excluding rural free delivery routes, ocean mail routes, and air-mail routes to foreign countries.
[2] Audited postal surplus or deficit which is greater or less than excess of receipts or expenditures by the amount of adjusted losses and contingencies.
[3] Domestic excludes and international includes foreign countries on domestic basis.
[4] Continental United States only. Data for years prior to 1926 are estimates.
[5] Postage stamps first issued under act of Mar. 3, 1847, and placed on sale at New York July 1, 1847.
[6] From Nov. 1, 1864, when money-order system first went into operation, to June 30, 1865.
[7] From Sept. 1, 1869, to June 30, 1870. International money orders first issued under convention of Oct. 12, 1867.
[8] Reduced by $1,747 for repayment of items over 10 years old.

No. 565.—Postal Service Revenues, by Source: 1920 to 1950

[In thousands of dollars. For years ending June 30. See headnote, table 564]

Item	1920	1925	1930	1935	1940	1945	1949	1950
Total	437,150	599,591	705,484	630,795	766,949	1,314,240	1,571,851	1,677,487
Ordinary postal revenue	424,406	585,333	686,426	598,358	732,137	1,246,777	1,503,435	1,605,940
Stamps, postal cards, etc.	379,587	507,572	574,851	473,407	521,753	953,770	856,266	862,313
Second-class postage paid in money (pound rates) [1]	25,100	29,619	28,584	18,431	23,033	25,286	39,797	40,149
Other postage paid in money under permit	12,960	39,301	73,545	96,206	176,503	252,318	582,596	675,317
Box rents	6,145	7,817	8,539	6,596	7,931	11,033	13,916	14,407
Miscellaneous	614	1,024	907	3,718	2,917	4,371	10,860	13,754
Money-order revenues	10,314	12,909	17,496	20,424	23,995	46,671	56,705	63,416
Revenue from postal savings	2,430	1,349	1,562	12,013	10,817	20,792	11,711	8,131

[1] For volume of this item, see table 569.

Source of tables 564 and 565: Post Office Department, *Annual Report of the Postmaster General.*

No. 566.—Postal Service Expenditures, by Object: 1920 to 1950

[In thousands of dollars. For years ending June 30. For area covered and for total expenditures, see table 564. Data cover expenditures during specified fiscal year, whether on account of that year or of previous years]

ITEM	1920	1925	1930	1935	1940	1945	1949	1950
Service in post offices (total)	234,102	338,046	429,571	378,407	479,731	721,871	1,340,780	1,404,300
Salaries of postmasters	*40,108*	*47,562*	*52,850*	*44,588*	*49,238*	*72,544*	*103,286*	*109,100*
Salaries of clerks, etc	102,319	153,336	201,972	173,510	222,778	368,147	687,605	728,860
City delivery service	63,626	95,161	127,890	113,153	145,355	191,182	393,208	406,018
All other expenditures	28,049	41,987	46,860	47,156	62,360	89,998	156,681	160,411
Railway Mail Service	38,711	52,906	61,888	52,251	60,136	86,288	135,547	142,012
Rural Delivery Service	75,794	93,163	106,347	90,519	91,446	106,847	152,773	159,470
Transportation of domestic mail	99,520	142,141	176,984	134,676	155,883	219,347	419,381	413,820
By railroads	70,714	99,720	117,265	93,328	101,890	134,371	247,065	222,965
By other means	28,805	42,421	59,720	41,348	53,994	84,975	172,316	190,855
Transportation foreign mail	5,912	9,175	24,449	36,806	16,248	4,614	90,998	92,380
Payment account of invalid money orders	284	138	131	232	187	694	844	630
Post Office Department [1]	----------	3,712	4,298	3,612	3,998	5,441	8,999	10,247

[1] Paid out of the General Treasury prior to 1923.

No. 567.—Transportation of Domestic Mails, by Class of Service: 1925 to 1950

[Data as of June 30 or for year ending June 30. See headnote, table 564. Railway mail space units of service vary in size and character and may consist of a car, a section of a car, or a closed pouch carried on a car. Some cars are railway post offices, others are for storage only, about 20 classes of units being distinguished]

CLASS OF SERVICE AND ITEM	1925	1930	1935	1940	1945	1949	1950
Steam railway service: [1]							
Length of routes (miles)	230,470	220,416	199,016	181,500	173,138	165,363	158,878
Annual travel (thousand miles)—							
Regular space units	579,256	564,801	455,214	455,836	496,391	571,486	552,555
Prorated to 60-foot car basis	226,395	228,478	192,130	208,113	260,140	346,130	341,085
Annual expenditure (thousand dollars) [2]—							
Regular authorizations	88,991	103,970	86,806	92,217	114,614	[3]186,638	[3]183,151
Annual cost	107,491	125,243	99,676	108,485	145,267	[3]238,863	[3]245,812
Average rate of cost—							
Per mile of length (dollars)	386.12	471.70	436.17	508.09	661.98	1,128.66	1,152.78
Per unit mile traveled (cents)	15.36	18.41	19.06	20.23	23.09	32.66	33.15
Per 60-foot car mile (cents)	39.31	45.70	45.40	44.31	44.01	53.92	53.70
Electric railway service:							
Number of routes	288	224	135	85	66	38	35
Length of routes (miles)	8,042	7,012	4,459	2,690	1,963	1,142	1,040
Annual travel of space units (thousand miles)	10,487	9,829	6,047	3,786	3,140	1,741	1,374
Annual rate of obligation (thousand dollars)	566	571	349	236	224	239	190
Average cost per unit mile traveled (cents)	5.39	5.81	5.77	6.24	7.13	13.75	13.81
Power boat service:							
Number of routes	284	265	196	175	146	133	125
Length of routes (miles)	49,791	40,130	21,043	19,613	8,701	8,886	6,541
Annual travel (thousand miles)	5,298	4,806	2,860	2,451	1,505	1,324	1,262
Annual rate of obligation (thousand dollars)	1,492	1,401	1,085	924	521	826	818
Average cost per mile traveled (cents)	28.16	29.15	37.95	37.71	34.64	62.35	64.84
Air mail service:							
Length of routes (miles)	2,665	14,907	28,884	37,943	56,849	155,314	158,977
Miles traveled with mail (thousands)	2,077	14,939	31,149	59,236	166,576	331,246	339,160
Mail carried (million pound-miles)	(4)	(4)	6,790	18,671	122,909	82,514	84,351
Cost of service (thousand dollars)	2,744	14,618	8,838	19,426	35,199	[5]63,258	[5]64,596
Average cost per mile (dollars)	1.32	0.98	0.28	0.33	0.21	0.19	0.19

[1] Annual expenditure (regular authorizations) represents estimated cost for transporting normal mail traffic over regular routes only, based on contracts outstanding at end of each fiscal year. Annual cost includes emergency and side and transfer service. Average rates based on regular authorizations.

[2] *For expenditures for Railway Mail Service, see table 566.*

[3] Includes 25 percent interim increase granted participating railroad companies under Railway Mail Pay Case, I. C. C. Docket No. 9200.

[4] Not computed. [5] Subject to revision.

Source of tables 566 and 567: Post Office Department, *Annual Report of the Postmaster General.*

No. 568.—Delivery Service—City and Rural Free Delivery and Star-Route Service: 1870 to 1950

[See headnote, table 564. Free city delivery was instituted in 1863; rural free delivery in 1897. Star routes are mail routes between towns which are let on a contract basis. Star route service in Alaska is not included here; data for 1950 as follows: Number of routes, 28; length, 2,732 miles; annual travel, 258,118 miles; annual rate of obligation, $104,660]

As of June 30—	City free delivery			Rural free delivery				Star routes	
	Number of offices	Number of carriers	Annual cost [1] (1,000 dollars)	Number of routes	Length of routes (miles)	Annual travel (1,000 miles)	Annual cost (1,000 dollars)	Number of routes (regular service)	Annual cost (1,000 dollars)
1870	51	1,362	1,231	----------	----------	----------	----------	7,295	5,050
1880	104	2,628	[1] 2,364	----------	----------	----------	----------	9,803	7,321
1890	454	9,066	[1] 7,978	----------	----------	----------	----------	15,887	5,321
1895	604	12,714	12,145	----------	----------	----------	----------	20,733	5,754
1900	796	15.322	14,671	1,259	28,685	----------	420	22,834	5,038
1905	1,144	21,778	20,923	32,110	721,237	----------	20,865	17,199	7,342
1910	1,492	28,715	31,738	41.079	993,068	303,007	36,915	13,425	6,928
1915	1,808	32,902	39,829	43,866	1,076,235	325,305	52,566	11,557	8,713
1920	2,086	36,142	62,841	43.445	1,151,832	348,627	75,795	10,739	11,106
1925	2,401	46,251	93,567	45,189	1,227,654	370,273	95,131	10,906	12,774
1930	3,050	53,762	126,426	43,278	1,334,842	404,738	106,338	11,788	14,281
1933	3,111	51,229	107,410	40,013	1,365,712	414,417	93,787	12,596	14,301
1934	3,111	48,275	96,947	37,108	1,359,895	412,721	81,637	12,237	12,942
1935	3,111	49,084	111,648	34,848	1,355,078	411,361	90,425	11,853	11,357
1936	3,134	53,852	126,371	34,118	1,368,083	415,433	92,437	11,663	10,882
1937	3,173	54,944	133,908	33,601	1,377,088	418,248	91,799	11,572	10,800
1938	3,215	55,713	136,505	33,144	1,387,445	420,107	91,106	11,393	11,035
1939	3.236	56,617	139,493	32,839	1,392,657	421,854	91,170	11.462	10,848
1940	3,275	58,531	143,766	32,646	1,401,690	424,704	91,441	11,309	10,928
1941	3,298	61,085	149,759	32,445	1,411,573	427,756	91,502	11,407	11.265
1942	3,347	62,919	156,180	32,292	1,420,971	430,728	91,636	11,400	12,097
1943	3,408	58,602	170,879	32,179	1,425,860	432,281	96,513	11,258	14,287
1944	3,732	58,046	184.113	32,112	1,428.475	433.120	104,691	11,170	16,909
1945	3,884	57,993	190,574	32,106	1,435,059	435,209	106,853	11,201	18,558
1946	4,083	65,770	245,406	32,161	1,441,538	437,248	117,403	11,218	20,063
1947	4,167	67,733	287,029	32,249	1,449,767	439,750	128,582	11,296	21,700
1948	4,270	78,127	308,435	32,412	1,465,198	444,424	131,119	11,324	23,211
1949	4,413	86,359	392,848	32,559	1,480,710	449,361	152,704	11,437	30,522
1950	4,632	90,189	405,816	32,619	1,493,365	453,260	159,387	11,509	32,446

[1] Represents audited expenditures; in 1880 and 1890, some incidental expense included.

No. 569.—Postal Service Operation—Summary for Principal Items: 1925 to 1950

[For years ending June 30. See headnote, table 564. For sales of postage stamps and other stamped paper and postage collected on second-class matter, see table 565]

Item	1925	1930	1935	1940	1945	1949	1950
Transactions in stamped paper:							
Ordinary postage stamps issued (millions)	17,387	16,269	13,610	16,381	20,240	21,047	20,647
Stamped envelopes (millions)	2,997	3,164	1,618	1,650	2,065	2,220	2,052
Postal cards issued (millions)	1,497	1,643	1,754	2,257	2,282	3,469	3,872
Pieces of mail carried [1] (millions)	25,835	27,888	22,332	27,749	37,912	43,555	45,064
Second-class matter carried:							
Free in county (1,000 pounds)	69,195	75,326	57,560	60,626	59,787	80,370	79,937
Paid at pound rates (1,000 pounds)	1,348,297	1,554,415	1,063,389	1,283,673	1,319,587	2,105,603	2,146,599.
Foreign mails dispatched by sea:							
Letters, post cards (1,000 pounds)	5,640	7,103	4,602	4,231	31,426	5,324	5,283
Other articles (1,000 pounds)	66,229	83,377	53,056	62,257	474,160	467,848	384,073
Mail registered:							
Domestic, paid (1,000 pieces)	70,512	76,489	41,318	40,533	[2] 81,094	[2] 69,562	[2] 67,971
International, paid (1,000 pieces)	10.993	7,869	3,444	2,713	(3)	(3)	(3)
Official, free (1,000 pieces)	8.414	8,680	10,582	12,082	[4] 22,907	[4] 17,507	[4] 18,084
Registry fees (1,000 dollars)	8,850	12,807	[5] 7,100	[5] 6,825	[4] [5] 17,706	[4] [5] 16,945	[4] [5] 18,477
Mail insured:							
Domestic, parcel post (1,000 pieces)	152,078	126,421	71,960	80,916	131,384	203,906	198,509
International (1,000 pieces)	603	649	311	380	(3)	(3)	(3)
Total fees paid (1,000 dollars)	8,061	8,775	5,249	5,702	[4] 12,259	[4] 10,938	[4] 22,028
Mail sent C. O. D.:							
Total pieces sent (1,000)	52,362	46,249	31,118	34,648	[4] 44,146	[4] 73,833	[4] 63,104
Total fees (1,000 dollars)	5,562	5,825	4,298	4,748	[4] 10,830	[4] 19,904	[4] 18,906

[1] Continental U. S. only. Data for 1925 are estimates.
[2] Includes "insured mail treated as registered mail," formerly included with regular insured mailings.
[3] Not published.
[4] Excludes data for international mail included in prior years.
[5] Not including surcharges (effective July 1, 1932) amounting to $3,815,000 in 1935, $2,674,000 in 1940, $7,371,000 in 1945, $5,243,000 in 1949, and $5,092,000 in 1950.

Source of tables 568 and 569: Post Office Department, *Annual Report of the Postmaster General* and records.

No. 570.—Postal Service Operation—Number of Offices, Mileage of Rural Routes, and Gross Receipts, by States and Other Areas

[Figures for years ending June 30]

Division, state, and other area	Number of post offices, 1950	Mileage of rural free-delivery routes, 1950	Gross postal receipts (thousands of dollars)[1]					
			1930	1935	1940	1945	1949	1950
Grand total	41,464	1,493,365	686,351	595,661	729,780	1,243,674	1,496,156	1,603,628
Continental United States	41,009	1,493,154	684,610	591,800	726,172	1,216,094	1,484,588	1,593,127
New England	2,280	46,381	51,375	46,111	54,022	77,245	103,285	112,173
Maine	671	13,087	3,912	3,588	3,925	5,834	6,391	6,765
New Hampshire	335	6,628	2,286	2,216	2,718	3,815	4,874	5,203
Vermont	347	8,300	1,703	1,659	1,846	2,406	3,096	3,239
Massachusetts	570	8,870	29,627	25,800	29,796	42,120	57,718	63,032
Rhode Island	70	1,498	3,297	3,018	3,514	5,970	7,361	7,961
Connecticut	287	7,998	10,550	9,740	12,224	17,100	23,846	25,972
Middle Atlantic	4,932	120,692	194,927	164,613	195,685	324,915	409,068	437,889
New York	1,917	51,841	125,072	102,748	120,888	210,835	257,815	275,433
New Jersey	626	9,335	19,768	18,553	23,207	35,122	49,271	53,059
Pennsylvania	2,389	59,516	50,087	43,312	51,590	78,958	101,983	109,397
East North Central	5,609	317,853	175,748	143,663	180,346	259,051	347,962	372,050
Ohio	1,326	71,921	42,088	34,046	41,668	62,071	80,546	86,039
Indiana	894	60,852	15,613	13,388	16,810	26,745	33,278	35,755
Illinois	1,448	74,742	78,757	62,916	79,257	104,724	147,224	157,303
Michigan	1,016	56,734	24,133	20,048	26,870	42,109	55,052	58,635
Wisconsin	925	53,604	15,157	13,265	15,740	23,402	31,861	34,318
West North Central	6,316	339,318	80,641	66,926	76,171	111,234	145,001	155,302
Minnesota	1,034	56,002	17,614	15,089	17,600	24,886	33,538	35,556
Iowa	1,103	65,509	13,504	10,932	12,912	18,531	23,729	25,354
Missouri	1,458	64,711	28,988	22,748	25,806	37,517	52,202	56,684
North Dakota	599	20,420	2,721	2,562	2,747	3,583	4,317	4,579
South Dakota	547	25,431	2,750	2,433	2,614	3,686	4,466	4,663
Nebraska	666	37,857	7,279	6,217	6,925	10,397	12,854	13,704
Kansas	909	60,388	7,785	6,945	7,569	12,633	13,805	14,763
South Atlantic	6,988	218,862	52,293	51,213	65,939	124,543	138,040	150,838
Delaware	68	3,148	1,233	1,251	1,759	2,574	3,818	3,727
Maryland	550	12,546	8,519	7,706	9,435	15,328	18,135	19,877
Dist. of Columbia	1	148	6,047	6,307	8,242	18,637	17,225	19,731
Virginia	1,689	33,633	7,985	7,688	9,617	18,013	19,412	21,198
West Virginia	1,512	13,539	4,611	4,274	5,142	8,726	9,159	9,349
North Carolina	1,125	49,438	6,830	7,475	9,407	19,175	21,033	23,247
South Carolina	492	29,125	2,174	2,037	2,832	4,897	5,958	6,656
Georgia	893	59,237	9,220	8,452	10,630	18,631	21,949	23,812
Florida	658	18,048	5,674	6,023	8,875	18,561	21,352	23,242
East South Central	4,591	169,906	23,736	21,330	26,881	49,905	54,420	58,411
Kentucky	2,178	31,463	6,827	6,161	7,304	12,472	13,865	14,804
Tennessee	793	50,928	8,546	7,676	9,796	17,528	20,871	22,629
Alabama	899	45,836	5,108	4,524	5,961	11,991	12,282	13,118
Mississippi	721	41,679	3,255	2,969	3,820	7,914	7,401	7,860
West South Central	4,675	184,324	37,240	33,206	42,606	81,886	90,373	98,003
Arkansas	1,087	30,591	3,828	3,265	4,115	7,995	7,971	8,441
Louisiana	740	21,540	5,486	5,017	6,684	13,778	13,730	14,781
Oklahoma	853	45,692	7,272	6,217	7,375	13,032	13,778	14,720
Texas	1,995	86,501	20,654	18,707	24,433	47,080	54,895	60,061
Mountain	2,889	39,875	17,276	15,914	19,778	32,171	39,320	41,878
Montana	542	7,371	2,446	2,422	2,813	3,682	4,622	4,856
Idaho	395	7,899	1,513	1,488	1,878	2,815	3,398	3,597
Wyoming	266	1,409	993	992	1,189	1,811	2,217	2,302
Colorado	554	15,268	6,819	5,929	7,158	10,701	13,789	14,801
New Mexico	454	3,438	1,089	1,162	1,631	2,907	3,471	3,881
Arizona	264	2,214	1,532	1,456	1,990	4,228	5,189	5,460
Utah	289	2,100	2,347	1,928	2,434	4,591	5,234	5,487
Nevada	125	176	537	537	686	1,345	1,400	1,495
Pacific	2,729	55,943	51,378	48,823	64,743	155,143	157,118	166,583
Washington	685	18,255	8,719	8,026	9,964	21,402	22,232	23,370
Oregon	596	12,438	5,436	5,004	6,719	11,152	14,790	15,591
California	1,448	25,250	37,223	35,793	48,060	122,589	120,096	127,622
Alaska	243	51	104	98	170	413	840	962
Canton Island	1							
Guam	1		3	3	13	(2)	242	201
Hawaii	97	71	774	834	1,480	22,726	4,034	3,955
Puerto Rico	107	89	527	568	809	2,489	2,249	2,415
Samoa (Tutuila)	1		(2)	(2)	(2)	(2)	(2)	(2)
Virgin Islands	5		15	17	36	48	67	75
Philatelic agency			317	2,340	1,101	1,903	4,136	2,892

[1] Revenues from money-order business, postal savings, and certain miscellaneous items not included.
[2] Less than $500.

Source: Post Office Department, *Annual Report of the Postmaster General.*

19. Power

(Sent to print April 10, 1952)

Energy for supplying mechanical power, heat, light and refrigeration for the complex machinery and processes necessary to maintain productivity and comfort in the United States is derived primarily from coal, oil, water, natural gas, wood and waste, wind, certain basic chemical and physical reactions, and the rays of the sun. Of these an increasing percentage of the coal, oil, water, and gas are being converted to electric energy for application to the energy requirements of our economic system. In 1950 approximately 23 percent of the coal, 8 percent of the oil, practically all of the water power, and 11 percent of the natural gas were consumed in the production of electric energy.

Statistics on these various sources of energy are compiled by numerous agencies but only a few of the series are reasonably complete or arranged to avoid duplication in a manner that permits ready computation of total energy requirements. Oil, coal, natural gas, and wood yield many products as well as power and, consequently, enter into many statistical series.

Data on coal, oil, and natural gas production, utilization, and related subjects are compiled annually by the Bureau of Mines and are published in the *Minerals Yearbook*. For summaries of statistical material from this source, see section 28, Mining and Mineral Products. Data on natural gas utilization and the production of manufactured gas from coal, oil, and related products, its utilization, and related statistics are published by the American Gas Association in its monthly bulletins and annual statistical numbers. Annual summary data are included in this section.

Data on the production of electric energy by type of prime mover and showing the quantities of basic fuels—coal, oil, natural gas, and others—used in production, and the capacity of all generating plants by type of prime mover and related statistics are compiled and published annually by the Federal Power Commission. These data cover both generation for public use by electric utilities and for use by the producer where generated by non-utility establishments. Data on sales, revenues, and customers by classes of service, on rates and typical bills, and related matters are also published by the Commission. Monthly statistics on production, fuels used in production, sales by classes of service, salaries and wages, taxes, and other costs are also published and distributed by the Federal Power Commission in a loose-leaf current data series known as *Electric Power Statistics*. Statistics on the distribution of electric energy by utilities for public use are presented monthly and annually by the Edison Electric Institute in its *Statistical Bulletins*. Summaries of these statistics appear in the following tables.

Data on the use of power by manufacturing, extracting, and related industries are issued from time to time by the Bureau of the Census in its Censuses of Manufactures and Mineral Industries. Statistics based on these studies appear in the sections on manufacturing and mineral industries in this *Abstract*. For the period 1939 to 1946, data on the use of electric power by major industry groups were compiled and published by the Federal Power Commission in a report on Industrial Electric Energy. This series has been discontinued, however, with 1946 the latest data available.

Over-all statistics on water as an actual and potential source of power are compiled by the Federal Power Commission and are shown in table 588.

The Bureau of the Census in the Census of Electrical Industries compiled at five-year intervals beginning in 1902 a report on the Electric Light and Power Industry. The last survey made was for the year 1937. Summary statistics from this report are shown in table 576.

Historical statistics.—See preface and historical appendix. Tabular headnotes (as "See also *Historical Statistics*, series G 159–170") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789–1945*.

Data in this section relate to continental United States except as indicated.

No. 571.—Energy from Mineral Fuels and Water Power—Annual Supply: 1889 to 1950

[**In trillions of British thermal units.** Unit heat values employed are: Anthracite, 12,700 B. t. u. per pound; bituminous coal and lignite, 13,100 B. t. u. per pound; petroleum, 5,800,000 B. t. u. per barrel; natural gas, 1,075 B. t. u. per cubic foot. Water power includes installations owned by manufacturing plants and mines, as well as Government- and privately-owned public utilities. Fuel equivalent of water power calculated from kilowatt-hours of power produced wherever available, as is true of all public-utility plants since 1919. Otherwise, fuel equivalent calculated from reported horsepower of installed water wheels, assuming capacity factor of 20 percent for factories and mines and of 40 percent for public utilities. See also *Historical Statistics*, series G 159–170]

Year	Total energy	Water power [1]	Mineral fuels: Total	Coal: Total	Coal: Pennsylvania anthracite	Coal: Bituminous and lignite	Petroleum and natural gas: Total	Petroleum (total crude): Domestic production	Petroleum (total crude): Imports	Natural gas (marketed production)
1889	(2)	(2)	4,136	3,664	1,157	2,507	472	204	-------	[3] 268
1899	7,409	238	7,171	6,600	1,535	5,065	571	331	-------	[3] 240
1900	7,893	250	7,643	7,020	1,457	5,563	623	369	-------	[3] 254
1901–05 avg	10,075	323	9,753	8,838	1,698	7,140	915	592	-------	[3] 323
1906–10 avg	13,793	477	13,317	11,844	2,061	9,783	1,473	1,002	1	470
1911–15 avg	16,530	611	15,919	13,794	2,267	11,527	2,125	1,437	70	619
1916–20 avg	20,256	708	19,548	16,337	2,356	13,981	3,211	2,103	287	820
1921–25 avg	20,568	653	19,915	14,582	1,972	12,610	5,333	3,758	550	1,024
1926–30 avg	23,675	785	22,890	15,541	1,946	13,595	7,350	5,195	394	1,760
1931–35 avg	18,494	719	17,775	10,571	1,363	9,207	7,205	5,158	222	1,824
1936–40 avg	23,071	853	22,218	12,243	1,298	10,945	9,975	7,205	188	2,582
1941–45 avg	30,628	1,232	29,396	16,617	1,503	15,114	12,779	8,916	227	3,636
1945	32,552	1,442	31,110	16,529	1,395	15,134	14,581	9,939	429	4,213
1946	31,839	1,406	30,433	15,526	1,537	13,989	14,907	10,057	517	4,333
1947	35,674	1,426	34,248	17,975	1,453	16,522	16,273	10,771	576	4,926
1948	36,636	1,481	35,155	17,158	1,451	15,707	17,997	11,717	746	5,534
1949 (prel.)	31,503	1,539	29,964	12,557	1,085	11,472	17,407	10,683	897	5,827
1950 (prel.)	35,413	1,573	33,840	14,647	1,120	13,527	19,193	11,438	1,002	6,753

[1] Assuming average central-station practice for each year; declined from about 7.05 pounds of coal per kilowatt-hour in 1899 to 1.19 pounds in 1950.
[2] Not available. [3] Based on amount of coal displaced by gas, as estimated by gas companies.

Source: Department of Interior, Bureau of Mines; Minerals Yearbook. Preliminary data published in annual report, Bituminous Coal and Lignite.

No. 572.—Electric Utilities—Number of Electric Utility Supply Systems and Generating Plants, by Class of Ownership: 1922 to 1950

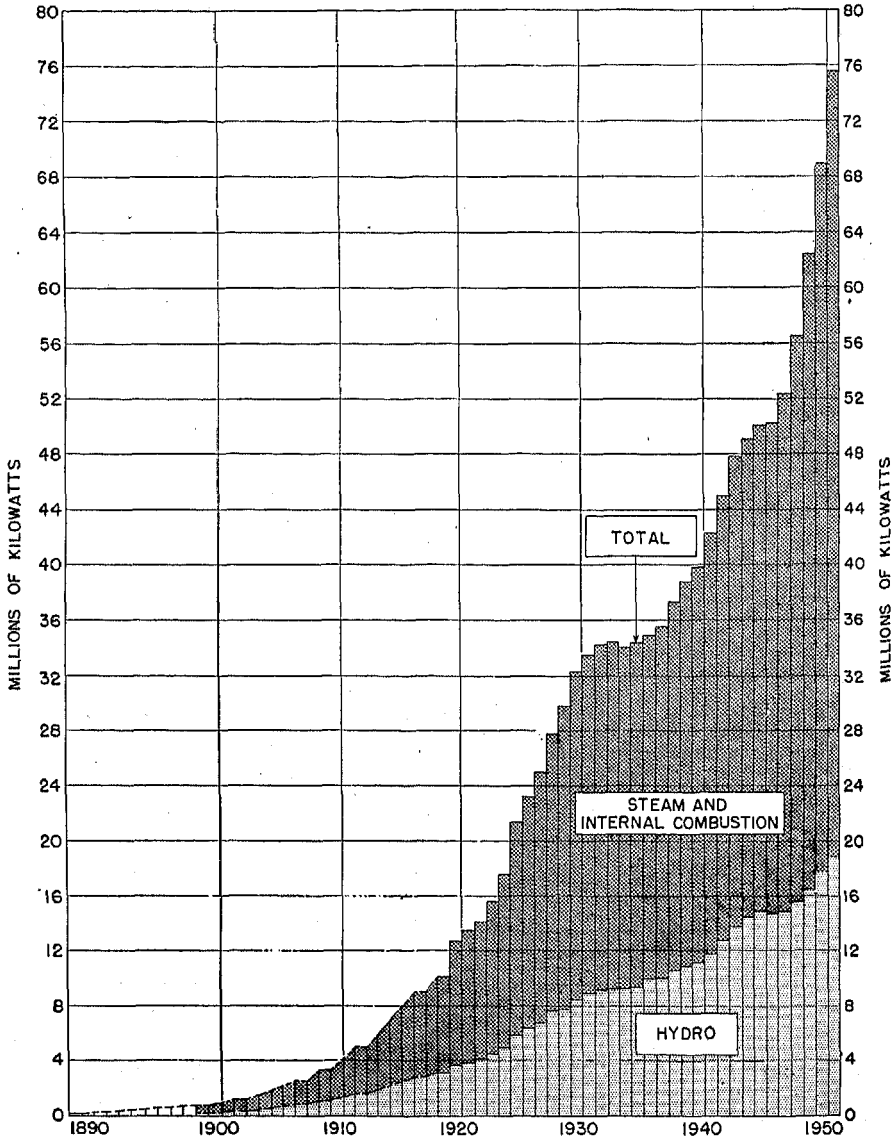
[Duplications of establishments operating in two or more States have been eliminated. Each type of prime mover in combination generating plants counted separately; nonutility generating plants, approximately 4,500 in 1949, producing primarily for industrial use, are not included]

Dec. 31	Total, all classes	Privately owned	Publicly owned: Total	Publicly owned: Municipal	Publicly owned: Federal	Publicly owned: Public utility districts and State projects	Publicly owned: Cooperatives
1922: Total electric supply systems	6,355	3,774	2,581	2,581	-------	-------	-------
Systems with generating plants	4,389	2,650	1,739	1,739	-------	-------	-------
Number of generating plants	5,444	3,615	1,829	1,829	-------	-------	-------
1932: Total electric supply systems	3,429	1,627	1,802	1,799	3	-------	-------
Systems with generating plants	1,788	923	865	862	3	-------	-------
Number of generating plants	4,339	3,244	1,095	1,085	10	-------	-------
1937: Total electric supply systems	3,501	1,407	2,094	1,877	25	11	181
Systems with generating plants	1,812	818	994	955	17	6	16
Number of generating plants	4,027	2,916	1,111	1,014	27	43	27
1945: Total electric supply systems	4,051	1,060	2,991	2,092	74	25	800
Systems with generating plants	1,594	492	1,102	990	18	11	83
Number of generating plants	3,886	2,400	1,486	1,157	86	101	142
1947: Total electric supply systems	3,885	858	3,027	2,067	72	34	854
Systems with generating plants	1,559	440	1,119	993	19	14	93
Number of generating plants	3,865	2,353	1,512	1,166	84	109	153
1948: Total electric supply systems	3,950	776	3,174	2,173	75	37	889
Systems with generating plants	1,522	419	1,103	973	19	14	97
Number of generating plants	3,879	2,376	1,503	1,146	86	111	160
1949: Total electric supply systems	3,944	815	3,129	2,074	61	81	913
Systems with generating plants	1,507	408	1,099	965	14	38	82
Number of generating plants	3,888	2,371	1,517	1,146	79	140	152
1950: Total electric supply systems	4,007	821	3,186	2,077	55	91	963
Systems with generating plants	1,495	393	1,102	955	13	42	92
Number of generating plants	3,867	2,334	1,533	1,136	83	148	166

Source: Federal Power Commission; annual report, *Production of Electric Energy and Capacity of Generating Plants*, and related data.

FIG. XXIII.—INSTALLED CAPACITY OF ELECTRIC UTILITY GENERATING PLANTS IN THE UNITED STATES: 1889 TO 1951

[See table 573]



Source: Federal Power Commission.

No. 573.—Production of Electric Energy and Number and Capacity of Generating Plants, by Class of Ownership and Type of Prime Mover: 1925 to 1950

[Installed capacity as of Dec. 31. Industrial series first available for 1939; detail by type of prime mover for 1943. See also *Historical Statistics*, series G 171–190 and G 200–224]

Item	1925	1930	1935	1940	1945	1948	1949	1950
Class of ownership								
Production, total (millions of kilowatt-hours)	------	------	------	179,907	271,255	336,809	345,066	388,674
Electric utilities (for public use), total	61,451	91,112	95,287	141,837	222,486	282,698	291,100	329,141
Privately owned	58,685	86,108	89,330	125,411	180,926	228,231	233,112	266,860
Publicly owned	2,766	5,003	5,958	16,426	41,560	54,467	57,988	62,281
Municipal	2,302	3,604	4,229	6,188	9,624	13,123	13,410	15,244
Federal	103	465	555	8,584	28,001	35,373	38,102	40,388
Cooperatives, power districts, State projects	172	518	732	1,175	3,146	5,134	5,643	5,793
Noncentral stations	189	416	442	479	790	838	832	857
Industrial plants [1]	------	------	------	38,070	48,769	54,110	53,967	59,533
Installed capacity, total (thousands of kilowatts)	------	------	------	50,962	62,868	69,615	76,570	82,850
Electric utilities (for public use), total	21,472	32,384	34,436	39,927	50,111	56,560	63,100	68,919
Privately owned	20,045	30,285	31,820	34,399	40,307	45,381	50,484	55,176
Publicly owned	1,427	2,099	2,615	5,528	9,804	11,179	12,616	13,743
Municipal	1,125	1,601	2,002	2,977	3,586	4,105	4,727	4,970
Federal	198	226	300	1,944	5,081	5,525	6,210	6,921
Cooperatives, power districts, State projects	49	154	175	435	891	1,293	1,417	1,538
Noncentral stations	56	118	139	173	245	256	263	314
Industrial plants [1]	------	------	------	11,035	12,757	13,055	13,470	13,931
Type of prime mover								
Electric utilities (for public use):								
Number of plants, total [2]	3,738	4,043	4,023	3,918	3,886	3,879	3,888	3,867
Hydro	1,250	1,446	1,476	1,474	1,505	1,467	1,465	1,458
Steam	2,004	1,626	1,424	1,153	1,057	1,045	1,054	1,051
Internal combustion	484	971	1,123	1,291	1,324	1,367	1,369	1,358
Production, total (millions of kilowatt-hours)	61,451	91,112	95,287	141,837	222,486	282,698	291,100	329,141
Hydro	21,798	31,190	38,372	47,321	79,970	82,470	89,748	95,938
Steam	39,367	59,293	56,144	93,002	140,435	196,928	197,878	229,543
Internal combustion	286	629	771	1,514	2,081	3,300	3,473	3,660
Hydro as percent of total	35.5	34.2	40.3	33.4	35.9	29.2	30.8	29.1
Installed capacity, total (thousands of kilowatts)	21,472	32,384	34,436	39,927	50,111	56,560	63,100	68,919
Hydro	5,922	8,585	9,399	11,224	14,912	15,652	16,654	17,675
Steam	15,368	23,386	24,471	27,775	34,113	39,304	44,640	49,333
Internal combustion	182	414	566	928	1,087	1,604	1,806	1,911
Hydro as percent of total	27.6	26.5	27.3	28.1	29.8	27.7	26.4	25.6
Production per kilowatt of installed capacity (kilowatt-hours) [3]	2,862	2,813	2,767	3,552	4,440	4,998	4,613	4,776
Industrial plants: [1]								
Production, total (millions of kilowatt-hours)	------	------	------	38,070	48,769	54,110	53,967	59,533
Hydro	------	------	------	------	4,777	4,522	5,025	4,946
Fuel	------	------	------	------	43,992	49,588	48,942	54,587
Hydro as percent of total	------	------	------	------	9.8	8.4	9.3	8.3
Installed capacity, total (thousands of kilowatts)	------	------	------	11,035	12,757	13,055	13,470	13,931
Hydro	------	------	------	------	980	983	1,008	1,000
Steam	------	------	------	------	11,136	11,447	11,831	12,162
Internal combustion	------	------	------	------	641	625	630	770
Hydro as percent of total	------	------	------	------	7.7	7.5	7.5	7.2

[1] Industrial classification comprises production and capacity of 3,469 industrial electric power plants of 100 kilowatts and over in 1950, including amounts for stationary electric power plants of railroads and railways.
[2] Each prime mover type in combination plants counted separately.
[3] Based on capacity in service at end of year.

Source: Federal Power Commission; annual report, *Production of Electric Energy and Capacity of Generating Plants*, and industrial electric power summaries.

No. 574.—Generating Plants—Installed Capacity of Electric Utilities and Industrial Plants, by Type of Prime Mover and by Class of Ownership, by States: 1950

[Thousands of kilowatts]

Division and state	Total	Type of prime mover: Electric utilities and industrial		Electric utilities		Electric utilities				Industrial plants
		Fuel	Hydro	Fuel	Hydro	Total	Privately owned	Publicly owned: Municipal	Publicly owned: Other	
United States	82,850	64,176	18,675	51,244	17,675	68,919	55,176	4,970	8,773	13,931
New England	5,308	4,069	1,239	3,081	971	4,052	3,913	114	25	1,256
Maine	653	262	391	145	270	415	412	2	1	238
New Hampshire	488	176	312	136	262	398	396	2	--------	90
Vermont	233	41	192	27	177	204	190	13	1	29
Massachusetts	2,251	2,028	223	1,485	168	1,653	1,568	75	9	598
Rhode Island	439	427	11	356	3	359	353	--------	7	80
Connecticut	1,243	1,136	107	933	89	1,022	994	21	8	221
Middle Atlantic	16,218	14,540	1,678	11,625	1,602	13,225	13,026	170	29	2,993
New York	7,401	6,176	1,225	5,102	1,155	6,257	6,154	85	17	1,144
New Jersey	2,546	2,537	9	2,046	6	2,053	2,022	28	3	493
Pennsylvania	6,272	5,827	444	4,474	441	4,916	4,850	57	9	1,356
East North Central	19,680	18,779	901	15,254	828	16,083	14,658	1,155	270	3,597
Ohio	5,398	5,383	16	4,418	12	4,430	4,084	333	13	968
Indiana	2,701	2,664	37	2,105	37	2,142	1,851	291	1	559
Illinois	5,178	5,124	54	4,457	48	4,506	4,291	170	44	672
Michigan	4,317	3,918	399	2,838	384	3,222	2,805	260	156	1,095
Wisconsin	2,086	1,689	396	1,436	347	1,783	1,627	101	55	303
West North Central	5,622	4,993	629	4,447	577	5,024	3,424	1,037	564	598
Minnesota	1,377	1,196	181	1,013	138	1,151	880	231	40	226
Iowa	1,298	1,161	137	1,036	137	1,173	945	180	47	125
Missouri	1,089	939	151	808	151	958	783	175	1	131
North Dakota	191	191	--------	187	--------	187	151	10	26	4
South Dakota	192	181	11	166	3	169	132	34	3	23
Nebraska	586	443	142	430	142	572	1	140	431	14
Kansas	889	882	6	807	6	814	532	267	15	75
South Atlantic	11,117	8,350	2,767	6,560	2,297	8,857	7,882	431	544	2,260
Delaware	73	72	1	28	--------	28	17	11	--------	45
Maryland	1,304	1,032	272	828	271	1,099	1,063	28	8	205
Dist. of Columbia	525	522	3	505	3	508	505	--------	3	17
Virginia	1,666	1,459	207	1,021	183	1,204	1,146	35	23	462
West Virginia	1,796	1,588	208	1,155	101	1,256	1,255	(1)	(1)	540
North Carolina	2,244	1,283	962	1,098	662	1,760	1,445	99	217	484
South Carolina	1,084	406	679	195	653	847	674	7	167	237
Georgia	1,295	871	425	744	412	1,156	1,038	13	105	139
Florida	1,130	1,117	13	986	13	999	740	238	21	131
East South Central	4,956	2,227	2,729	1,743	2,721	4,464	1,834	106	2,524	492
Kentucky	948	677	271	633	271	904	698	37	170	44
Tennessee	1,812	574	1,238	432	1,238	1,670	132	25	1,512	142
Alabama	1,930	710	1,220	478	1,212	1,690	850	1	839	240
Mississippi	266	266	--------	200	--------	200	154	43	3	66
West South Central	6,193	5,727	466	4,254	463	4,717	3,800	420	496	1,476
Arkansas	624	476	148	305	145	450	332	39	79	174
Louisiana	1,258	1,258	--------	909	--------	909	811	70	28	349
Oklahoma	772	698	74	649	74	723	555	70	98	49
Texas	3,540	3,295	245	2,391	245	2,636	2,103	241	292	904
Mountain	4,097	1,811	2,286	1,163	2,282	3,445	1,885	148	1,412	652
Montana	455	28	427	16	426	442	388	--------	54	13
Idaho	472	31	441	5	440	445	394	14	37	27
Wyoming	208	129	79	60	79	139	59	2	78	69
Colorado	558	466	92	373	91	464	363	72	29	94
New Mexico	335	310	25	256	25	281	225	20	35	54
Arizona	1,044	503	541	302	541	843	246	3	594	201
Utah	401	307	94	141	94	235	195	36	4	166
Nevada	624	36	587	9	586	596	14	1	581	28
Pacific	9,660	3,680	5,979	3,120	5,933	9,054	4,753	1,390	2,910	606
Washington	3,016	425	2,591	201	2,564	2,765	586	493	1,686	251
Oregon	1,113	330	783	207	766	973	401	52	520	140
California	5,530	2,924	2,606	2,712	2,604	5,316	3,766	845	705	214

[1] Less than 500.

Source: Federal Power Commission; based on annual report, *Production of Electric Energy and Capacity of Generating Plants*, 1950.

No. 575.—Electric Energy—Production by Electric Utilities and Industrial Plants, by Type of Prime Mover and by Class of Ownership, by States: 1950

[Millions of kilowatt-hours]

Division and state	Total	Type of prime mover: Electric utilities and industrial: Fuel	Electric utilities and industrial: Hydro	Electric utilities: Fuel	Electric utilities: Hydro	Electric utilities: Total	Electric utilities: Privately owned	Electric utilities: Publicly owned: Municipal	Electric utilities: Publicly owned: Other	Industrial plants
United States	388,674	287,790	100,884	233,203	95,938	329,141	266,860	15,244	47,037	59,533
New England	19,656	14,900	4,755	12,535	3,676	16,211	15,837	313	61	3,445
Maine	2,684	815	1,870	401	1,280	1,680	1,667	10	3	1,004
New Hampshire	1,659	632	1,027	527	802	1,329	1,322	6	--------	330
Vermont	817	45	772	28	707	735	694	41	(1)	82
Massachusetts	7,825	7,066	759	5,072	616	6,588	6,363	205	19	1,237
Rhode Island	1,808	1,794	14	1,651	5	1,656	1,633	--------	23	152
Connecticut	4,862	4,548	314	3,956	207	4,223	4,156	51	15	639
Middle Atlantic	74,510	64,171	10,340	53,384	9,988	63,372	62,784	464	124	11,138
New York	32,979	24,888	8,090	21,688	7,763	29,452	29,110	240	102	3,527
New Jersey	11,567	11,535	30	9,897	23	9,921	9,836	78	8	1,646
Pennsylvania	29,965	27,748	2,218	21,799	2,201	24,000	23,838	147	15	5,965
East North Central	90,687	86,952	3,735	71,986	3,363	75,349	71,116	3,384	849	15,338
Ohio	26,639	26,594	44	21,937	29	21,967	20,933	1,007	26	4,672
Indiana	12,972	12,804	168	10,206	168	10,374	9,612	761	1	2,598
Illinois	23,084	22,880	204	20,505	181	20,686	20,063	493	130	2,398
Michigan	19,713	18,001	1,713	13,658	1,658	15,316	14,073	820	423	4,397
Wisconsin	8,278	6,672	1,606	5,679	1,327	7,006	6,436	302	268	1,272
West North Central	21,580	18,429	3,151	16,360	2,877	19,237	14,547	2,616	2,074	2,343
Minnesota	5,346	4,356	991	3,804	745	4,549	3,896	544	109	797
Iowa	5,037	4,270	767	3,661	767	4,428	3,885	416	127	609
Missouri	4,171	3,417	754	2,964	754	3,718	3,277	441	1	453
North Dakota	670	670	--------	660	--------	660	555	31	73	10
South Dakota	611	573	38	524	11	536	439	93	3	75
Nebraska	2,038	1,463	575	1,438	573	2,011	1	291	1,720	27
Kansas	3,707	3,681	26	3,309	26	3,335	2,493	801	41	372
South Atlantic	55,053	43,214	11,839	34,325	9,279	43,604	39,898	1,331	2,375	11,449
Delaware	164	164	--------	20	--------	20	5	15	--------	144
Maryland	6,373	4,673	1,700	3,344	1,696	5,040	4,971	56	13	1,333
Dist. of Columbia	1,697	1,689	8	1,664	5	1,669	1,664	--------	5	28
Virginia	8,224	7,437	787	5,540	693	6,233	6,060	106	66	1,991
West Virginia	10,739	9,552	1,186	7,202	529	7,821	7,820	1	--------	2,918
North Carolina	12,386	7,645	4,660	6,782	3,046	9,829	8,185	246	1,398	2,507
South Carolina	3,922	1,956	1,967	1,038	1,873	2,910	2,257	7	646	1,012
Georgia	5,988	4,515	1,473	3,827	1,408	5,235	5,002	39	193	753
Florida	5,610	5,581	29	4,818	29	4,847	3,934	859	53	763
East South Central	27,113	11,474	15,639	8,992	15,614	24,606	9,895	267	14,444	2,507
Kentucky	4,501	2,873	1,628	2,762	1,628	4,390	3,045	122	1,223	111
Tennessee	10,079	2,744	7,335	2,044	7,335	9,379	823	50	8,505	700
Alabama	10,966	4,290	6,676	2,925	6,651	9,577	4,862	--------	4,715	1,389
Mississippi	1,566	1,566	--------	1,260	--------	1,260	1,166	95	--------	306
West South Central	30,814	29,425	1,389	21,135	1,380	22,515	19,412	1,495	1,608	8,299
Arkansas	3,033	2,595	439	1,546	430	1,975	1,607	82	286	1,058
Louisiana	6,939	6,939	--------	4,936	--------	4,936	4,667	225	54	2,003
Oklahoma	3,158	2,805	355	2,573	355	2,927	2,388	158	381	232
Texas	17,682	17,087	595	12,081	595	12,676	10,759	1,030	887	5,006
Mountain	19,166	6,761	12,405	4,106	12,391	16,497	9,190	440	6,867	2,669
Montana	3,160	53	3,107	29	3,107	3,136	2,800	--------	336	24
Idaho	2,593	52	2,541	3	2,535	2,538	2,278	65	195	55
Wyoming	749	374	375	220	375	595	220	1	368	154
Colorado	2,231	1,909	321	1,541	314	1,855	1,558	211	87	376
New Mexico	1,249	1,190	59	955	59	1,014	887	45	82	235
Arizona	4,336	1,987	2,349	1,140	2,349	3,489	851	7	2,631	847
Utah	1,540	1,088	451	207	451	659	532	110	17	881
Nevada	3,308	107	3,201	10	3,200	3,210	58	1	3,151	98
Pacific	50,096	12,463	37,633	10,380	37,371	47,751	24,181	4,934	18,636	2,345
Washington	18,339	879	17,461	126	17,245	17,371	3,576	2,153	11,642	968
Oregon	6,020	656	5,363	227	5,317	5,545	1,617	183	3,745	475
California	25,738	10,929	14,810	10,027	14,809	24,836	18,988	2,598	3,249	902

[1] Less than 500,000.

Source: Federal Power Commission; based on annual report, *Production of Electric Energy and Capacity of Generating Plants*, 1950.

No. 576.—Electric Light and Power Industry—Summary: 1902 to 1937

[Figures cover all establishments engaged either in generation and distribution of electric energy, or distribution or transmission of electric energy, to public or private consumers. Excludes establishments which consume all current generated, such as manufacturing and mining companies, railroads, railways, hotels, and other enterprises not in nature of public utilities, unless a portion of generated output was sold commercially. Plants operated by Federal Government or by States excluded unless energy sold commercially]

ITEM	1902	1912	1917	1922	1927	1932	1937
Number of reporting establishments,[1] total	3,620	5,221	6,542	6,355	4,335	3,429	3,501
Generating all or part of current	(2)	4,646	5,124	4,389	2,331	1,788	1,812
Distributing or transmitting only	(2)	575	1,418	1,966	2,004	1,641	1,689
Number of separate generating stations	(2)	(2)	5,952	5,444	4,801	4,339	[3] 4,027
Prime movers, hp. (thousands)	1,845	7,530	12,937	19,851	35,710	47,967	50,220
Steam engines	1,394	1,895	1,702	1,371	994	649	712
Steam turbines		3,054	6,747	12,355	24,323	32,904	33,177
Internal-combustion engines	12	111	210	303	548	881	1,101
Hydroturbines and water wheels	439	2,469	4,277	5,822	9,844	13,532	15,230
Generators, rated kilowatt capacity (thousands)	1,212	5,165	8,994	14,313	25,811	34,623	36,481
Output,[4] kilowatt-hours (millions)		14,183	31,044	50,274	96,829	111,716	168,300
Reported as generated	2,507	11,569	25,438	40,292	74,686	79,657	121,097
Reported as purchased or received from other sources	(2)	2,614	5,606	9,983	22,142	32,058	47,202
Number of customers (thousands)	(2)	3,838	7,179	12,710	21,790	23,862	27,219
Revenue from elec. service ($1,000)	[5] 84,187	[5] 237,139	[5] 502,060	[5] 1,020,439	1,802,655	1,975,304	2,356,513
Sales, kilowatt-hours (millions)	(2)	(2)	25,752	41,965	79,011	88,265	132,930
Distribution for other purposes (non-revenue), kilowatt-hours (millions)	(2)	(2)	(2)	(2)	17,817	23,451	35,370
Operating expenses, ($1,000) [6]	(2)	(2)	(2)	553,068	[7] 750,484	803,100	1,042,193
Value of electric utility plant ($1,000,000)	505	2,176	3,060	4,465	[8] 9,297	12,664	12,941
Employees, number	30,326	79,335	105,541	150,762	251,020	244,573	281,335
Salaries and wages ($1,000)	20,647	61,162	95,242	212,433	[7] 367,632	[9] 323,880	470,353

[1] The term "establishment" as here used may represent a single electric station (either generating or distributing or both) or a number of such stations operated under the same ownership. [2] Not available.
[3] Comprises 1,112 stations operated by steam; 1,283 by internal-combustion; 1,426 by water; and 206 composite (stations having more than 1 type of prime mover).
[4] Comprises generated output and energy purchased and received from other sources. Since the energy "Received from other sources" was, in a large part, purchased from other electric light and power companies, a considerable duplication is involved, as such energy would also be included in the "Generated."
[5] Includes "Estimated value of free service."
[6] Includes cost of fuel purchased and interchanged power, maintenance and other operating expenses.
[7] Reported by commercial establishments only. No data for municipal establishments.
[8] Includes value of plant and equipment, $902,000,000, owned by companies engaged in the operation of electric light and power plants and other public utilities, not distributed among the several utilities.
[9] Not comparable with other years; includes only salaries and wages chargeable to electric operating service.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Electric Light and Power Industry. Survey discontinued.

No. 577.—Electric Light and Power Industry—Energy Generated, Sales, Revenue, and Customers: 1930 to 1951

[Figures for energy generated obtained by Edison Electric Institute from Federal Power Commission. Figures for sales, revenue, and customers for 1930 and 1935 not strictly comparable with those for 1940 and subsequent years due to change in classification of sales. See also *Historical Statistics*, series G 225–233]

CLASS	1930 [1]	1935 [1]	1940	1945	1950	1951
Energy generated ... million kilowatt-hours	91,112	95,287	141,837	222,486	329,141	370,234
Sales to ultimate customers ... do	74,906	77,596	118,643	193,558	280,539	318,168
Residential or domestic [2]	11,018	13,978	23,318	34,184	67,030	77,024
Rural (distinct rural rates) [3]	1,473	1,211	1,991	3,668	7,400	8,479
Commercial and industrial:						
Small light and power	13,944	13,588	22,373	30,438	50,446	57,278
Large light and power	40,148	40,865	59,557	107,490	139,065	157,827
All other	8,323	7,955	11,405	17,777	16,598	17,560
Revenue from ultimate customers ... $1,000	1,990,955	1,911,989	2,440,218	3,341,518	5,086,465	5,647,672
Residential or domestic [2]	664,441	700,358	895,951	1,167,356	1,931,696	2,165,010
Rural (distinct rural rates) [3]	24,524	21,572	49,473	90,345	157,611	175,431
Commercial and industrial:						
Small light and power	575,598	519,213	689,253	850,213	1,333,755	1,462,202
Large light and power	566,468	531,107	631,428	1,001,957	1,404,980	1,571,932
All other	159,924	139,739	174,112	231,647	258,423	273,037
Ultimate customers, Dec. 31 ... thousands	24,556	25,313	30,191	34,031	44,986	46,822
Residential or domestic [2]	20,332	21,019	24,952	28,117	37,533	39,225
Rural (distinct rural rates) [3]	199	216	686	1,234	1,596	1,659
Commercial and industrial:						
Small light and power	3,626	3,711	4,260	4,398	5,466	5,528
Large light and power	347	305	178	162	235	247
All other	53	62	115	119	156	163

[1] See headnote. [2] Prior to 1940 covers residential and eastern farms. [3] Prior to 1940 covers western farms.

Source: Edison Electric Institute, New York, N. Y.; annual statistical bulletin.

No. 578.—Electric Utilities—Balance Sheet and Income Account of Privately Owned Classes A and B Companies: 1937 to 1950

[**In thousands of dollars.** For years ending Dec. 31. Data cover reports of all companies having annual electric revenues in excess of $250,000. These concerns represent approximately 98 percent of the total privately owned electric utility industry]

ITEM	1937	1940	1945	1948	1949	1950
COMPOSITE BALANCE SHEET						
Assets and other debits, total	15,378,135	15,579,209	14,568,323	17,346,923	19,001,350	20,589,713
Electric utility plant	9,614,616	10,447,232	12,175,986	15,214,579	17,163,780	18,805,882
Other utility plant	1,512,880	1,650,694	1,823,914	2,062,065	2,282,013	2,450,725
Unclassified utility plant	2,724,087	2,309,061	490,882	479,939	181,499	184,381
Total utility plant	13,851,583	14,406,987	14,490,782	17,756,583	19,627,292	21,440,988
Reserve for depreciation and amortization	*1,495,250*	*1,912,974*	*3,064,919*	*3,859,085*	*4,069,111*	*4,385,260*
Total utility plant less reserves	12,356,333	12,494,013	11,425,863	13,897,498	15,558,181	17,055,728
Utility plant adjustments	(1)	(1)	(1)	[2] 1,079	[2] 595	[2] 2,055
Investment and fund accounts	1,462,433	1,380,403	1,089,443	[2] 1,154,562	[2] 1,272,434	[2] 1,234,927
Current and accrued assets	959,076	1,122,902	1,695,721	1,985,206	1,898,688	2,058,124
Other assets	600,293	581,891	357,296	308,578	271,452	238,879
Liabilities and other credits, total	15,378,135	15,579,209	14,568,323	17,346,923	19,001,350	20,589,713
Common capital stock	4,306,364	4,392,601	3,879,314	4,225,670	4,623,226	5,046,117
Preferred capital stock	2,125,431	2,078,219	2,071,133	2,178,701	2,392,487	2,574,886
Premiums assessments, etc	96,590	100,032	111,815	185,712	239,958	322,908
Total capital stock	6,528,385	6,570,852	6,062,262	6,590,083	7,255,671	7,943,911
Capital surplus	223,998	256,899	239,439	375,182	355,351	323,508
Earned surplus	802,281	860,351	765,522	1,035,741	1,197,125	1,345,981
Long-term debt	6,850,195	6,895,460	6,141,453	7,718,669	8,572,086	9,188,616
Current and accrued liabilities	692,384	692,038	964,830	1,359,690	1,358,533	1,527,186
Other liabilities	280,892	303,609	394,817	267,558	262,584	200,511
COMPOSITE INCOME ACCOUNT						
Electric utility operating income:						
Operating revenues	2,157,277	2,403,712	3,171,457	4,167,285	4,381,849	4,783,860
Operating expenses	928,629	1,013,189	1,453,615	2,327,226	2,319,926	2,454,994
Depreciation and amortization	212,865	256,396	315,858	358,832	385,418	434,434
Taxes	305,427	397,400	639,096	702,054	786,449	938,827
Total operating revenue deductions	1,446,921	1,666,985	2,408,569	3,388,112	3,491,793	3,828,255
Net operating revenues	710,356	736,727	762,888	779,173	890,056	955,605
Income from electric plant leased to others	7,514	7,625	4,750	5,195	5,195	5,200
Electric utility operating income	717,870	744,352	767,638	784,368	895,251	960,805
Other utility operating income	51,095	60,536	65,082	45,416	60,766	72,273
Total utility operating income	768,965	804,888	832,720	829,784	956,017	1,033,078
Other income	70,698	68,149	54,338	65,767	65,733	68,156
Gross income	839,663	873,037	887,058	895,551	1,021,750	1,101,234
Income deductions:						
Interest on long-term debt	282,905	266,607	210,771	211,798	242,687	259,705
Other income deductions (net)	47,279	58,766	141,833	26,945	21,804	19,586
Total income deductions	330,184	325,373	352,604	238,743	264,491	279,291
Net income	509,479	547,664	534,454	656,808	757,259	821,943

[1] Included with utility plant. [2] Less reserves.

Source: Federal Power Commission; annual report, *Statistics of Electric Utilities in the United States.*

No. 579.—Electric Utility Depreciation Practices—Relationship of Reserves and Expenses to Electric Plant: 1937 to 1950

[**Money figures in millions.** See headnote, table 578. Excludes amounts related to other than electric facilities; covers only those utilities segregating *electric* plant and reserve accounts from *all* plant and reserve accounts]

ITEM	1937	1945	1947	1948	1949	1950
Number of utilities	121	253	246	249	249	249
Total electric plant, value	$5,358	$8,880	$9,181	$10,784	$12,807	$14,499
Estimated depreciable electric plant, value	(1)	$7,928	$7,931	$9,292	$11,050	$12,667
Electric depreciation reserves:						
Amount	$635	$1,900	$2,095	$2,408	$2,676	$2,971
Ratio to total plant (percent)	11.9	21.4	22.8	22.3	20.9	20.5
Ratio to depreciable plant (percent)	----------	24.0	26.4	25.9	24.2	23.5
Electric depreciation expense:						
Amount	$103	$214	$209	$246	$288	$331
Ratio to total plant (percent)	1.92	2.41	2.28	2.28	2.25	2.28
Ratio to depreciable plant (percent)	----------	2.70	2.64	2.65	2.61	2.61

[1] Not available.

Source: Federal Power Commission; *Electric Utility Depreciation Practices.*

No. 580.—Consumption of Fuels by Electric Utilities for Production of Electric Energy: 1920 to 1951

[Use of fuels for stand-by purposes is included. See also *Historical Statistics*, series G 194–199]

Calendar year	Consumption of fuels: Coal (thousand tons) [1]: Total	Bituminous [2]	Anthracite	Lignite [2]	Fuel oil (thousand barrels) [3]	Gas (million cubic feet)	Consumption of coal and coal equivalent of other fuels (thousand tons) [1]	Output by fuels [4] (million kilowatt-hours)	Consumption per kilowatt-hour (pounds)
1920	31,640	30,099	1,540	---------	12,690	22,136	35,791	23,495	3.0
1925	35,615	33,803	1,812	---------	9,794	45,472	40,014	39,443	2.0
1930	40,278	38,130	2,148	---------	8,805	119,553	47,545	59,583	1.60
1935	32,715	30,936	1,779	---------	11,257	124,118	40,797	56,689	1.44
1940	51,474	47,721	2,348	1,405	16,325	180,096	62,942	93,963	1.34
1942	66,257	62,262	2,785	1,210	15,236	235,208	79,075	121,585	1.30
1943	77,301	73,072	3,265	963	17,986	301,937	93,275	143,785	1.30
1944	80,084	75,720	3,427	936	20,862	358,784	99,251	153,808	1.29
1945	74,725	70,621	3,122	982	20,228	326,212	92,642	142,331	1.30
1946	72,197	67,623	3,453	1,120	36,316	306,942	93,471	144,555	1.29
1947	89,531	85,033	3,522	976	45,309	373,054	115,672	176,983	1.31
1948	99,586	94,470	3,966	1,151	42,645	478,097	130,122	199,796	1.30
1949	83,963	79,397	3,354	1,213	66,301	550,121	124,574	200,965	1.24
1950	91,871	86,855	3,609	1,407	75,420	628,919	138,421	232,813	1.19
1951 (prel.)	105,682	100,297	3,867	1,518	63,549	763,108	154,423	270,089	1.14

[1] Of 2,000 pounds. [2] Lignite included with bituminous coal prior to 1940. [3] Of 42 gallons.
[4] Output by use of wood and waste not included.

Source: Federal Power Commission; annual report, *Consumption of Fuels for Production of Electric Energy;* also, related monthly reports.

No. 581.—Farm Electrification: 1930 to 1949

Item	1930	1935	1940	1945	1947	1948	1949
Total number of farms [1]	6,288,648	6,812,350	6,096,799	5,859,169	---------	---------	---------
Total number of farms served, Dec. 31	649,900	788,800	2,050,000	2,929,000	3,817,100	4,388,200	4,994,700
By private companies	---------	---------	1,448,500	1,707,100	2,082,316	2,250,595	2,407,046
By public authorities, total	---------	---------	601,500	1,221,900	1,734,784	2,137,605	2,587,654
By REA cooperatives [2]	---------	---------	517,500	1,051,000	1,533,894	1,921,100	2,343,738
Other public [3]	---------	---------	84,000	170,900	200,890	216,445	243,916
Eastern farms [4]							
Number of customers (farms served), average	423,393	551,480	1,431,028	2,160,265	2,737,946	3,135,730	3,578,506
Sales, kilowatt-hours (1,000)	315,597	481,688	1,535,350	3,394,000	4,934,000	6,263,212	7,761,264
Revenue ($1,000)	22,166	26,832	66,525	124,309	168,159	206,727	252,692
Kilowatt-hours per customer	745	873	1,073	1,571	1,802	1,997	2,169
Annual bill, average	$52.37	$48.63	$46.46	$57.50	$61.45	$65.90	$70.71
Revenue per kilowatt-hour (cents)	7.03	5.57	4.33	3.66	3.41	3.30	3.26
Western farms [4]							
Number of customers (farms served), average	189,661	213,406	413,989	637,600	838,993	966,096	1,128,460
Sales, kilowatt-hours (1,000)	1,473,195	1,210,710	1,820,000	2,514,000	4,040,000	5,130,110	6,080,408
Revenue ($1,000)	24,524	21,572	35,500	52,595	72,104	91,167	108,929
Kilowatt-hours per customer	7,768	5,673	4,396	3,943	4,815	5,310	5,388
Annual bill, average	$128.95	$100.98	$85.72	$82.41	$86.19	$94.52	$96.45
Revenue per kilowatt-hour (cents)	1.66	1.78	1.95	2.09	1.79	1.78	1.79

[1] Census figures; relate to Apr. 1 for 1930 and 1940 and Jan. 1 for 1935 and 1945.
[2] Represents cooperatives only and excludes customers of all other agencies (companies and municipals) financed in whole or in part by REA.
[3] Customers served by municipal systems and various power districts not financed by REA.
[4] "Eastern farms" are those located in the area not affected by heavy irrigation pumping and their statistics are a measure of use of electricity on the average farm. "Western farms" are those where irrigation may be involved. Possibly less than one-fifth of farms in irrigation States do actual pumping, but statistics are not available to make a more accurate separation. Figures for "Western farms," therefore, are more a reflection of fluctuation in the energy used than they are of the conventional farm requirements.

Source: Edison Electric Institute, New York, N. Y.; annual statistical bulletin.

No. 582.—Rural Electrification Administration—Summary of Operations: 1935 to 1951

Year	Total loans approved as of Dec. 31 [1]		Data for systems in operation						
			As of Dec. 31			During year			
	Borrowers [2]	Amount	Systems [3]	Miles energized [4]	Consumers connected	Kilowatt hours generated	Kilowatt hours purchased	Kilowatt hours billed	Total revenue
	Number	*$1,000*	*Number*	*Miles*	*Number*	*1,000*	*1,000*	*1,000*	*$1,000*
1935		6,977	2	0	0				
1940	791	351,455	685	267,846	674,495	(5)	(5)	(5)	(5)
1942	868	460,468	803	378,015	1,012,284	131,189	1,304,623	1,150,536	46,927
1943	873	473,742	811	390,058	1,087,801	199,228	1,828,132	1,679,381	55,588
1944	904	517,700	826	410,471	1,216,798	213,462	2,105,332	1,925,734	64,043
1945	961	666,954	848	449,579	1,408,918	258,397	2,344,550	2,136,384	73,607
1946	1,009	958,009	869	506,838	1,683,901	319,913	2,730,265	2,477,509	89,948
1947	1,029	1,190,527	911	603,064	2,046,095	433,282	3,720,705	3,398,290	114,998
1948	1,044	1,574,924	952	759,494	2,518,450	718,283	5,018,725	4,757,051	151,674
1949	1,066	1,999,280	995	943,385	3,040,425	903,412	6,541,739	6,227,471	197,029
1950	1,076	2,311,637	1,007	1,088,777	3,413,407	1,076,946	8,164,801	7,778,735	241,373
1951 [6]	1,076	2,484,444	1,012	1,177,154	3,657,269	1,384,542	9,961,744	9,655,486	284,082

[1] For years prior to 1948, includes amounts not yet under loan contract.
[2] Organizations, mainly cooperatives, to which loans for extending central station electric service in rural areas are made.
[3] Rural electric distribution, generation, and transmission systems operated by REA borrowers.
[4] Pole miles of electric distribution and transmission line in service. [5] Not available. [6] Preliminary.

Source: Department of Agriculture, Rural Electrification Administration.

No. 583.—Natural-Gas Companies—Composite Income Account: 1940 to 1950

[*In thousands of dollars.* For years ending Dec. 31. Natural-gas companies deriving 50 percent or more of utility operating income from natural-gas operations]

Item	1940	1945	1947	1948	1949	1950
Gas operating income:						
Operating revenues	492,238	644,516	795,202	930,258	1,043,511	1,309,881
Operating expenses	277,261	370,273	491,027	578,095	665,454	830,238
Depreciation and amortization	52,005	62,269	66,250	80,098	89,968	101,660
Taxes:						
Federal taxes on income	55,791	95,491	55,489	63,108	58,737	91,254
Other taxes			39,619	45,621	53,298	62,367
Total operating-revenue deductions	385,057	528,033	652,985	766,922	867,157	1,085,519
Net operating revenues	107,181	116,483	142,217	163,336	176,354	224,362
Income from gas plant leased to others	89	394	136	308	206	874
Gas operating income	107,270	116,877	142,353	163,644	176,560	225,236
Other utility operating income	1,105	837	543	662	1,045	1,162
Utility income	108,375	117,714	142,896	164,306	177,605	226,398
Exploration and development costs	5,890	8,070	8,142	8,628	8,425	7,555
Net utility income	102,485	109,644	134,754	155,678	169,180	218,843
Other income	6,367	5,063	10,060	10,654	12,641	15,583
Gross income	108,852	114,707	144,814	166,332	181,821	234,426
Income deductions:						
Interest on long-term debt	20,714	16,594	17,480	27,665	42,377	54,224
Interest on debt to associated companies	4,900	5,265	5,292	4,633	5,811	5,893
Other income deductions, net	3,550	5,271	1,315	59	7,112	8,421
Total income deductions	29,164	27,130	21,457	32,239	41,076	51,696
Net income	79,688	87,577	123,357	134,093	140,745	182,730

Source: Federal Power Commission; *Annual Report*.

No. 584.—Gas Utility Industry—Customers, Sales, and Revenues, by Type of Gas: 1950 and 1951

[See headnote, table 585]

Type of gas	Customers (1,000) [1]			(Sales 1,000,000 therms)			(Revenues $1,000)		
	1950	1951 [2]	Percent change	1950	1951 [2]	Percent change	1950	1951 [2]	Percent change
All types	**24,001**	**24,944**	**+3.9**	**42,090**	**47,869**	**+13.7**	**1,948,002**	**2,205,370**	**+13.2**
Natural gas	14,267	16,141	+13.1	38,500	44,421	+15.4	1,361,005	1,649,050	+21.2
Manufactured gas	7,618	5,655	−25.8	2,217	1,727	−22.1	454,436	361,330	−20.5
Mixed gas	1,789	2,833	+58.3	1,284	1,632	+27.1	111,214	173,880	+56.3
Liquefied petroleum gas	327	315	−3.6	90	89	−1.0	21,347	21,110	−1.1

[1] Yearly averages. [2] Preliminary.

Source: American Gas Association, New York, N. Y.; yearbook, *Gas Facts*.

No. 585.—Gas Utility Industry—Customers and Revenues, by Class of Service: 1933 to 1951

[Covers natural, manufactured, mixed, and liquid petroleum gas. Based on questionnaire mailed to all privately owned gas utilities and municipally owned gas departments in the United States, except those with annual revenues less than $25,000, which in the aggregate account for only a negligible portion of the industry]

Year	Customers (1,000)[1]					Revenues ($1,000)				
	Total	Residential	Commercial	Industrial	Other	Total	Residential	Commercial	Industrial	Other
1933	15,199	14,145	978	68	8	679,917	495,377	87,614	94,774	2,152
1934	15,511	14,439	990	74	8	702,616	494,043	86,763	119,184	2,626
1935	15,874	14,776	1,018	72	8	727,094	503,339	90,856	130,469	2,430
1936	16,185	15,041	1,058	77	9	770,349	516,218	97,362	151,995	4,774
1937	16,620	15,481	1,056	74	9	801,298	528,359	99,774	167,081	6,084
1938	16,907	15,727	1,095	75	10	777,261	522,958	101,150	144,965	8,188
1939	17,147	15,945	1,121	73	8	814,232	537,629	105,246	166,197	5,160
1940	17,622	16,403	1,138	73	8	871,735	573,361	111,970	182,527	3,877
1941	18,149	16,927	1,137	78	7	914,036	574,842	114,323	220,384	4,487
1942	18,759	17,536	1,137	78	8	994,318	622,669	127,039	238,227	6,383
1943	19,088	17,862	1,141	77	8	1,064,044	647,558	127,528	280,232	8,726
1944	19,585	18,320	1,177	82	6	1,108,162	666,735	133,120	297,927	10,380
1945	19,977	18,690	1,195	80	12	1,150,622	711,767	142,041	280,907	15,907
1946	20,636	19,245	1,289	87	15	1,211,262	761,274	153,781	284,317	11,890
1947	21,416	19,930	1,379	91	16	1,395,616	869,400	182,917	325,642	17,657
1948	22,245	20,562	1,571	94	18	1,579,462	957,925	220,906	377,408	23,223
1949	23,035	21,264	1,657	97	17	1,688,595	1,031,293	238,077	395,559	23,666
1950	24,001	22,146	1,739	99	17	1,948,002	1,177,070	265,571	479,610	25,751
1951 [2]	24,944	23,020	1,796	105	23	2,205,370	1,318,600	288,050	565,530	33,190

[1] Yearly averages. [2] Preliminary.

Source: American Gas Association, New York, N. Y.; yearbook, *Gas Facts*.

No. 586.—Manufactured Gas—Solid Fuels and Oil Used by Utilities, by Type of Use: 1932 to 1950

[Solid fuels in thousands of tons; oil in millions of gallons. See headnote, table 585]

Fuel and type of use	1932	1935	1940	1945 [1]	1946 [1]	1947 [1]	1948 [1]	1949 [1]	1950 [1]
Anthracite coal									
Total	115	126	214	292	347	470	590	382	329
Water gas generator fuel	33	44	86	94	113	181	272	135	109
Boiler fuel	82	82	128	160	188	244	205	214	199
Other				[2] 38	[2] 46	[2] 45	[2] 53	[2] 33	[2] 21
Bituminous coal									
Total	8,103	7,849	6,882	8,098	7,660	7,515	7,336	6,529	6,207
Water gas generator fuel	477	480	304	432	435	379	393	366	341
Boiler fuel	428	382	340	487	502	492	491	328	250
Oven and retort charge	7,191	6,972	6,220	7,171	6,720	6,643	6,452	5,835	5,615
Bench and producer fuel	7	15	18	8	3	1	(3)	(3)	1
Coke									
Total	2,915	2,589	2,599	3,551	3,782	3,881	3,733	3,305	3,213
Water gas generator fuel	1,595	1,284	1,552	2,225	2,447	2,591	2,485	2,195	2,258
Boiler fuel	539	512	384	585	601	542	547	472	389
Bench and producer fuel	781	793	663	741	[4] 734	[4] 748	[4] 701	[4] 638	[4] 566
Oil									
Total	603	510	677	934	1,069	1,239	1,308	1,106	1,185
Water gas enricher	536	465	592	797	915	1,035	1,075	868	918
Boiler fuel	9	11	27	[5] 24	38	57	61	53	75
Oil gas production	58	34	58	113	116	147	172	185	192

[1] Includes fuel used in production of manufactured gas during periods of peak demand or emergency only, for use in systems regularly distributing natural gas.
[2] Oven and retort charge.
[3] Less than 500 tons.
[4] Includes 9,000 tons used as oven and retort charge in 1946, 10,000 tons in 1947, 7,000 tons in 1948, 5,000 tons in 1949, and 7,000 tons in 1950.
[5] Includes 500,000 gallons used as bench and producer fuel.

Source: American Gas Association, New York, N. Y.; yearbook, *Gas Facts*.

No. 587.—Gas Utility Industry—Customers and Revenues, by Type of Gas, Class of Service, and State: 1950

[See headnote, table 585]

Type of gas, division, and state	Customers (1,000) [1]					Revenues ($1,000)				
	Total	Residential	Commercial	Industrial	Other	Total	Residential	Commercial	Industrial	Other
United States, all types	**24,001.0**	**22,146.1**	**1,739.4**	**93.7**	**16.8**	**1,948,002**	**1,177,070**	**265,571**	**479,610**	**25,751**
Natural gas	14,266.9	13,083.6	1,119.1	53.7	10.5	1,361,005	748,762	170,837	420,203	21,203
Manufactured gas	7,617.9	7,079.6	500.4	32.5	5.4	454,436	332,492	74,637	43,242	4,065
Mixed gas	1,789.4	1,684.5	92.4	11.7	.8	111,214	80,441	14,802	15,573	398
Liquefied petroleum gas	326.8	298.4	27.5	.8	.1	21,347	15,375	5,295	592	85
New England	**1,641.7**	**1,555.2**	**78.2**	**7.3**	**1.0**	**102,457**	**77,147**	**14,221**	**10,684**	**405**
Connecticut	*368.7*	*348.6*	*18.2*	*1.8*	*.1*	*25,265*	*18,375*	*3,486*	*3,330*	*74*
Maine	42.3	39.6	2.6	.1	(2)	2,763	2,026	528	206	3
Massachusetts	1,004.2	949.8	49.2	4.4	.8	61,529	46,972	8,202	6,107	248
New Hampshire	38.9	36.4	2.3	.2	(2)	2,366	1,699	520	130	8
Rhode Island	166.2	160.6	4.9	.6	.1	9,516	7,317	1,272	865	62
Vermont	21.4	20.2	1.0	.2	(2)	1,018	758	204	46	10
Middle Atlantic	**6,659.6**	**6,169.2**	**456.5**	**28.9**	**5.0**	**456,710**	**314,570**	**63,389**	**75,639**	**3,112**
New Jersey	1,191.1	1,105.2	80.3	5.6	(2)	63,978	47,800	10,138	5,842	198
New York	3,591.1	3,311.9	260.5	14.8	3.9	219,805	159,395	36,349	21,834	2,227
Pennsylvania	1,877.4	1,752.1	115.7	8.5	1.1	172,927	107,375	16,902	47,963	687
East North Central	**5,454.5**	**5,106.7**	**322.7**	**21.4**	**3.7**	**466,652**	**296,902**	**53,622**	**113,985**	**2,143**
Illinois	1,718.2	1,615.2	91.7	10.5	.8	123,406	74,421	14,189	34,642	154
Indiana	573.7	537.8	33.2	1.6	1.1	47,079	26,957	5,674	14,067	381
Michigan	1,087.0	1,023.2	59.9	3.6	.3	97,340	69,378	10,008	17,803	151
Ohio	1,643.6	1,520.6	117.5	4.0	1.5	172,555	106,625	20,697	44,601	632
Wisconsin	432.0	409.9	20.4	1.7	(2)	26,272	19,521	3,054	2,872	825
West North Central	**1,858.4**	**1,708.1**	**141.6**	**8.3**	**.4**	**190,009**	**109,874**	**24,341**	**52,943**	**2,851**
Iowa	296.1	272.6	22.8	.7	(2)	26,196	16,734	4,049	5,362	51
Kansas	381.6	341.5	37.9	1.9	.3	47,176	21,426	5,587	18,614	1,549
Minnesota	344.4	325.0	17.9	1.5	(2)	30,689	20,757	3,029	6,764	139
Missouri	*586.1*	*546.0*	*37.3*	*2.8*	(2)	*56,199*	*34,419*	*6,230*	*15,242*	*308*
Nebraska	186.7	165.4	19.9	1.3	.1	22,686	12,354	3,778	5,950	604
North Dakota	26.7	24.5	2.2	(2)	(2)	2,344	1,636	566	82	60
South Dakota	36.8	33.1	3.6	.1	(2)	4,719	2,548	1,102	920	140
South Atlantic	**1,629.4**	**1,501.5**	**120.2**	**4.9**	**2.8**	**139,179**	**86,188**	**21,369**	**29,593**	**2,029**
Delaware	50.3	47.6	2.7	(2)	(2)	3,140	2,442	431	260	7
District of Columbia	175.2	160.5	13.1	.6	1.0	13,502	10,300	2,556	250	396
Florida	173.1	161.2	10.8	.2	.9	14,030	8,393	3,213	1,798	626
Georgia	224.6	203.4	19.2	2.0	(2)	23,827	12,183	2,931	8,399	314
Maryland	384.8	359.1	24.6	.9	.2	27,737	20,601	3,473	3,401	262
North Carolina	68.4	61.8	6.4	.2	(2)	5,294	3,515	1,565	208	6
South Carolina	42.3	37.8	4.4	.1	-------	3,101	2,184	835	82	-------
Virginia	225.8	211.5	13.5	.3	.5	16,057	11,913	2,895	1,072	177
West Virginia	284.9	258.6	25.5	.6	.2	32,491	14,657	3,470	14,123	241
East South Central	**763.5**	**684.2**	**75.3**	**3.2**	**.8**	**88,513**	**41,890**	**11,726**	**33,745**	**1,152**
Alabama	186.0	170.8	14.8	.4	(2)	27,049	10,316	2,609	14,068	56
Kentucky	269.1	242.2	25.8	.6	.5	22,757	14,823	3,307	4,213	414
Mississippi	145.1	127.0	16.7	1.2	.2	16,360	7,021	2,294	6,542	503
Tennessee	163.3	144.2	18.0	1.0	.1	22,347	9,730	3,516	8,922	179
West South Central	**2,371.8**	**2,116.2**	**238.3**	**14.3**	**3.0**	**208,961**	**88,731**	**25,437**	**90,544**	**4,249**
Arkansas	*172.4*	*148.1*	*22.9*	*1.4*	(2)	*18,571*	*7,634*	*2,947*	*7,836*	*154*
Louisiana	401.0	363.5	34.3	2.4	.8	39,325	13,439	2,740	22,227	919
Oklahoma	435.8	387.0	45.1	2.6	1.1	35,801	17,738	5,319	12,067	677
Texas	1,362.6	1,217.6	136.0	7.9	1.1	115,264	49,920	14,431	48,414	2,499
Mountain	**592.2**	**526.9**	**62.7**	**2.5**	**.1**	**75,367**	**35,635**	**12,531**	**25,301**	**1,900**
Arizona	120.7	107.1	13.0	.5	.1	14,360	4,537	1,452	8,296	75
Colorado	*188.3*	*165.5*	*22.4*	*.4*	(2)	*25,431*	*12,582*	*5,312*	*6,332*	*1,205*
Idaho	.6	.5	.1	-------	-------	54	28	26	-------	-------
Montana	74.4	67.1	6.9	.4	(2)	10,617	6,099	2,139	2,048	331
Nevada	4.9	4.3	.6	(2)	(2)	507	277	212	3	15
New Mexico	83.3	75.1	7.9	.3	(2)	10,144	4,537	1,605	3,904	98
Utah	76.3	69.2	6.5	.6	-------	8,241	4,425	547	3,269	-------
Wyoming	43.7	38.1	5.3	.3	(2)	6,013	3,150	1,238	1,449	176
Pacific	**3,029.9**	**2,778.1**	**243.9**	**7.9**	(2)	**220,154**	**126,133**	**38,935**	**47,176**	**7,910**
California	2,846.4	2,614.3	225.0	7.1	(2)	203,235	114,467	34,298	46,561	7,909
Oregon	105.5	96.0	9.0	.5	(2)	9,276	6,795	2,154	326	1
Washington	78.0	67.8	9.9	.3	-------	7,643	4,871	2,483	280	-------

[1] Averages for the year.

[2] Less than 50 customers.

Source: American Gas Association, New York, N. Y.; yearbook, *Gas Facts*.

No. 588.—Water Power—Developed, 1920 to 1950, and Estimated Undeveloped

[In thousands of kilowatts]

Division and state	Developed water power (capacity of actual installations only): Electric utilities only				Electric utilities and industrial plants						Estimated undeveloped water power
					Dec. 1939			Dec. 1950			
	Dec. 1920	Dec. 1925	Dec. 1930	Dec. 1935	Total	Utilities	Industrial	Total	Utilities	Industrial	
United States	3,704	5,922	8,585	9,399	12,075	11,004	1,071	18,675	17,675	1,000	87,604
New England	291	415	753	804	1,115	833	282	1,239	971	268	3,250
Maine	40	89	174	177	301	188	113	391	270	121	1,611
New Hampshire	43	58	212	223	292	235	57	312	262	50	599
Vermont	49	92	156	156	173	158	15	192	177	15	625
Massachusetts	114	126	129	167	228	161	67	223	168	55	301
Rhode Island	2	5	2	2	14	3	11	11	3	8	-------
Connecticut	44	44	79	79	107	88	19	107	89	18	114
Middle Atlantic	662	1,027	1,290	1,517	1,633	1,563	70	1,678	1,602	76	6,572
New York	540	860	1,074	1,132	1,229	1,165	64	1,225	1,155	70	3,051
New Jersey	1	1	1	1	6	3	3	9	6	3	225
Pennsylvania	120	166	215	384	399	395	4	444	441	3	3,296
East North Central	372	528	602	644	790	703	87	901	828	73	2,344
Ohio	17	18	13	12	16	12	4	16	12	4	212
Indiana	11	35	35	33	38	35	3	37	37	-------	323
Illinois	43	42	50	45	51	49	2	54	49	5	1,111
Michigan	167	219	258	316	368	344	24	399	384	15	357
Wisconsin	134	214	247	239	318	263	55	396	347	49	341
West North Central	257	285	279	427	537	501	36	629	577	52	5,775
Minnesota	88	124	122	126	158	126	32	181	138	43	227
Iowa	138	125	124	127	127	127	(1)	137	137	-------	414
Missouri	12	13	13	150	151	151	(1)	151	151	-------	2,472
North Dakota	-------	-------	-------	-------	(1)	-------	(1)	-------	-------	-------	652
South Dakota	5	4	4	4	4	4	-------	11	3	8	1,279
Nebraska	7	12	11	13	87	86	1	142	142	(1)	441
Kansas	7	7	6	7	9	7	2	6	6	-------	290
South Atlantic	589	878	1,603	1,678	2,224	1,803	421	2,767	2,297	470	8,151
Delaware	-------	-------	-------	-------	(1)	-------	(1)	1	-------	1	-------
Maryland	1	22	272	272	273	271	2	272	271	1	382
District of Columbia	-------	-------	2	2	3	2	1	3	3	-------	60
Virginia	45	57	83	97	204	182	22	207	183	24	1,371
West Virginia	9	7	56	56	209	101	108	208	101	107	2,097
North Carolina	144	185	397	398	651	400	251	962	662	300	1,169
South Carolina	231	339	506	503	520	495	25	679	653	26	940
Georgia	155	261	271	333	349	337	12	425	412	13	2,042
Florida	4	5	14	14	14	14	(1)	13	13	-------	90
East South Central	170	469	863	823	1,270	1,140	130	2,729	2,721	8	4,736
Kentucky	-------	26	105	105	111	111	(1)	271	271	-------	1,576
Tennessee	97	124	127	128	432	310	122	1,238	1,238	-------	970
Alabama	72	319	632	589	727	719	8	1,220	1,212	8	1,780
Mississippi	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	410
West South Central	4	13	19	101	140	139	1	466	463	3	3,568
Arkansas	1	10	11	67	67	67	-------	148	145	3	1,696
Louisiana	-------	-------	-------	-------	1	-------	1	-------	-------	-------	50
Oklahoma	1	1	2	2	2	2	-------	74	74	-------	963
Texas	2	2	6	33	71	71	(1)	245	245	(1)	859
Mountain	487	570	784	792	1,583	1,581	2	2,286	2,282	4	23,440
Montana	212	236	300	300	321	321	(1)	427	426	1	6,835
Idaho	135	175	225	235	257	257	(1)	441	440	1	8,876
Wyoming	2	5	12	16	47	47	-------	79	79	-------	797
Colorado	48	52	52	54	67	66	1	92	91	1	1,630
New Mexico	1	(1)	1	1	1	1	-------	25	25	-------	179
Arizona	23	28	87	87	293	293	-------	541	541	-------	3,701
Utah	58	64	98	91	93	92	1	94	94	-------	1,311
Nevada	9	8	9	9	505	504	1	587	586	1	111
Pacific	872	1,738	2,391	2,613	2,783	2,741	42	5,979	5,933	46	29,768
Washington	241	430	596	690	812	784	28	2,591	2,564	27	15,910
Oregon	65	121	156	177	286	278	8	783	766	17	6,350
California	566	1,187	1,640	1,745	1,685	1,680	5	2,606	2,604	2	7,508

[1] Less than 500.

Source: Federal Power Commission. Electric utility figures through 1939 based on report—*Electric Power Statistics, 1920–40*; industrial, 1939, based on Bureau of Census report—*Power Equipment and Energy Consumption*, 1939 Census of Manufactures. Developed water power, 1950, from annual report, *Production of Electric Energy and Capacity of Generating Plants*, 1950.

20. Roads and Motor Vehicles

(Sent to print April 10, 1952)

Public roads.—Federal Government statistics on public roads are compiled and published by the Bureau of Public Roads of the Department of Commerce. Since 1945, such data have been published annually in *Highway Statistics.* For statistics prior to 1945, the same Bureau's publication, *Highway Statistics, Summary to 1945,* shows available public roads data carried back over periods ranging from 20 to 50 years.

The first road mileage survey was made in 1904. Other basic road mileage surveys were made in 1909, 1914, and 1921. Data for these early surveys appear in Department of Agriculture, Bulletin 1279, *Rural Highway Mileage, Income, and Expenditures, 1921–1922.*

The term "rural" as used in this section may be roughly defined as an area which lies outside of communities having 2,500 inhabitants or more. The statistics shown here, which are compiled on the basis of individual reports from the different States, are largely consistent in their adherence to this definition of rural. "Urban extensions" are continuations of designated State-system roads in or through cities or towns of 2,500 inhabitants or more. "County and other local roads" are those rural roads over which the State exercises no direct control.

Motor vehicles and fuel.—Motor-vehicle production data are compiled by the Automobile Manufacturers' Association and published in the annual report, *Automobile Facts and Figures.* The Bureau of the Census of the Department of Commerce compiles and publishes statistics on the motor-vehicles and equipment industry. These data are published in the reports of the Census of Manufactures, and are also included in section 30, Manufactures, in this volume.

Motor vehicle registration figures are based on reports and records of State motor-vehicle registration departments. The statistics are compiled and published by the Bureau of Public Roads in the annual report, *Highway Statistics.* Statistics on motor fuel consumption are also compiled and published by the same agency in the report mentioned.

Historical statistics.—See preface and historical appendix. Tabular headnotes (as "See also *Historical Statistics,* series K 177–181") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789–1945.*

No. 589.—Rural Roads in the United States—Approximate Mileage: 1921 to 1950

[**In thousands of miles.** Rural roads include roads outside of incorporated areas and certain of the more populous unincorporated areas. Figures cover continental U. S. and refer to existing mileage at end of calendar year. See also *Historical Statistics*, series K 177–181]

TYPE AND CONTROL	1921	1925	1930	1935	1940	1945	1948	1949	1950
All rural roads, total	2,925	3,006	3,099	3,032	2,990	3,012	3,007	3,003	2,990
Primary State highways	203	275	324	332	329	339	350	358	363
Secondary State highways				58	81	84	85	85	88
County roads under State control				115	114	118	121	121	122
County and local roads [1]	2,722	2,731	2,685	2,527	2,466	2,471	2,451	2,439	2,417
Surfaced rural roads, total	387	521	694	1,063	1,340	1,495	1,574	1,617	1,679
Primary State highways	84	145	227	280	302	316	335	344	351
Secondary State highways				39	65	71	69	69	73
County roads under State controls				38	55	63	71	77	83
County and local roads [1]	303	376	467	706	918	1,045	1,099	1,127	1,172
Nonsurfaced rural roads, total [2]	2,538	2,485	2,315	1,969	1,650	1,517	1,433	1,386	1,311
Primary State highways	119	130	97	52	27	23	15	14	12
Secondary State highways				19	16	13	16	16	15
County roads under State control				77	59	55	50	44	39
County and local roads [1 2]	2,419	2,355	2,218	1,821	1,548	1,426	1,352	1,312	1,245

[1] Includes mileage in national and State parks, forests, reservations, etc., not included as part of State highway systems. [2] Includes mileage not classified by type of surface.

Source: Department of Commerce, Bureau of Public Roads; *Highway Statistics, Summary to 1945*, and subsequent annual reports.

No. 590.—State Highway Systems—Existing Mileage, Mileage Built, Funds Available and Disbursements: 1930 to 1950

[Figures cover continental U. S. and refer to calendar years for most States. See also *Historical Statistics*, series K 184 for data on total mileage built by State highway departments]

ITEM	1930	1935	1940	1945	1948	1949	1950
Total mileage at end of year	[1] 324,498	523,474	551,766	573,234	590,293	598,699	[2] 608,468
Mileage under State control	(3)	520,351	548,499	570,239	587,645	596,176	[2] 608,468
Primary State-highway systems	[1] 324,498	331,867	329,472	338,310	349,929	357,650	363,213
Nonsurfaced roads	[1] 97,726	52,060	26,991	22,873	14,459	13,192	12,007
Surfaced roads	[1] 226,772	279,807	302,481	315,437	335,470	344,458	351,206
Low type [4]	[1] 142,659	168,282	180,091	182,786	199,313	206,770	168,554
High type [4]	[1] 84,113	111,525	122,390	132,651	136,157	137,688	182,652
Secondary roads	(3)	173,603	195,245	202,356	205,853	205,833	209,339
Urban extensions of State-highway systems	(3)	14,881	23,782	29,573	31,863	32,693	[2] 35,916
Connecting streets not under State control	(3)	3,123	3,267	2,995	2,648	2,523	(2)
Total mileage built during year by State-highway departments	35,277	26,814	32,594	15,278	41,968	45,176	55,487
Graded and drained	7,813	3,284	2,207	283	2,017	2,329	3,364
Surfaced	27,464	23,530	30,387	14,995	39,951	42,847	52,123
State-highway funds available ($1,000) [5]	1,423,164	1,205,945	2,037,606	2,242,572	4,173,407	4,533,325	5,068,196
Disbursements of State-highway funds ($1,000) [5]	1,139,677	848,355	1,591,290	1,255,298	2,841,328	3,176,752	3,561,513

[1] No segregation of secondary State highways from primary systems in 1930; figures shown include an undetermined amount of municipal street mileage on State systems or connecting these systems. Not strictly comparable with subsequent years, since county road mileage had not yet been taken over by State highway departments.

[2] Mileage formerly shown as "Connecting streets not under State control," now included with "Urban extensions of State highway systems," with exception of mileage in Kentucky, Maryland, Mississippi, and District of Columbia. These mileages reclassified as local city streets. [3] Not available.

[4] Low type includes soil-surfaced; slag, gravel, or stone; bituminous surface-treated; and mixed bituminous surfaces. High type includes bituminous penetration; bituminous concrete and sheet asphalt; Portland cement concrete; brick; and block. Beginning 1950, States reported a segregation of mixed bituminous and bituminous penetration surfaces according to base course. Mixed bituminous and bituminous penetration on "nonrigid base" shown as low type and surfacing on "rigid base" included as high type mileage.

[5] Includes funds transferred to or from local units. Data for D. C. not included prior to 1940. Beginning 1940, includes proceeds of highway-user imposts allotted by the State treasurer for (1) county and other local roads and streets, and for (2) nonhighway purposes.

Source: Department of Commerce, Bureau of Public Roads; *Highway Statistics, Summary to 1945*, and subsequent annual reports.

No. 591.—Existing Rural Road Mileage, by Type and by Governmental Control, by States, End of 1950

[Rural roads include roads outside incorporated areas and certain more populous unincorporated areas. Compiled for latest available year from reports of State authorities and planning survey data]

STATE	Total	TYPE				GOVERNMENTAL CONTROL		
		Surfaced			Nonsurfaced	State	Local	Federal [2]
		Total	Low type [1]	High type [1]				
Continental U. S.	2,990,036	1,678,619	1,423,209	255,410	1,311,417	[3] 580,357	2,336,445	73,234
Alabama	[4] 60,028	41,581	37,157	4,424	18,447	6,895	52,763	370
Arizona	27,168	9,307	7,077	2,230	17,861	3,852	15,250	8,066
Arkansas	62,941	26,283	21,851	4,432	36,658	9,219	53,722	----------
California	97,681	58,853	45,035	[5] 13,818	38,828	12,902	74,479	10,300
Colorado	75,968	16,339	11,333	5,006	59,629	11,849	63,331	788
Connecticut	10,548	10,227	7,212	3,015	321	2,730	7,818	----------
Delaware	3,772	2,988	2,079	909	784	[6] 3,772	----------	----------
Florida	40,844	18,794	16,730	2,064	22,050	8,985	30,733	1,126
Georgia	89,398	23,136	17,562	5,574	66,262	13,751	75,647	----------
Idaho	30,421	19,529	17,666	1,863	19,892	4,511	26,362	8,548
Illinois	103,416	87,704	75,537	12,167	15,712	10,417	92,999	----------
Indiana	84,040	75,146	62,813	12,333	8,894	9,603	74,347	----------
Iowa	101,172	69,326	63,449	5,877	31,846	8,789	92,383	----------
Kansas	125,955	52,429	49,810	2,619	73,526	9,415	116,525	15
Kentucky	58,006	36,612	31,732	4,880	21,394	12,768	44,887	351
Louisiana	39,967	24,379	19,089	5,290	15,588	14,126	25,841	----------
Maine	20,704	17,105	16,044	1,061	3,599	10,573	10,035	96
Maryland	16,378	13,498	10,966	2,532	2,880	4,426	11,952	----------
Massachusetts	17,548	16,482	13,616	2,866	1,066	1,866	15,682	----------
Michigan	92,759	68,635	61,072	7,563	24,124	8,291	84,468	----------
Minnesota	109,738	78,530	73,362	5,168	31,208	11,335	97,252	1,151
Mississippi	61,634	34,087	30,933	3,154	27,547	6,766	53,839	1,029
Missouri	100,453	73,078	68,088	4,990	27,375	17,908	81,775	770
Montana	69,697	20,614	18,325	2,289	49,083	8,713	54,361	6,623
Nebraska	99,969	33,447	31,960	1,487	66,522	9,206	90,504	259
Nevada	25,490	6,608	6,604	4	18,882	5,773	19,717	----------
New Hampshire	12,539	8,906	8,580	326	3,633	3,668	8,753	118
New Jersey	18,249	14,560	11,909	2,651	3,689	1,793	16,456	----------
New Mexico	61,733	8,902	4,909	4,083	52,741	10,225	47,621	3,887
New York	82,724	71,952	43,145	28,807	10,772	14,744	67,980	----------
North Carolina	64,536	43,703	34,650	9,053	20,833	[6] 63,388	----------	1,148
North Dakota	114,044	27,919	27,817	102	86,125	6,587	106,991	466
Ohio	86,286	76,112	58,669	17,443	10,174	16,076	70,210	----------
Oklahoma	91,871	24,428	18,652	5,776	67,443	9,619	82,191	61
Oregon	52,488	27,042	23,407	3,635	25,446	7,652	31,077	13,759
Pennsylvania	87,883	53,938	34,722	19,216	33,945	41,781	45,770	332
Rhode Island	2,057	1,867	1,618	249	190	575	1,482	----------
South Carolina	47,036	17,567	15,202	2,365	29,469	20,503	26,533	----------
South Dakota	93,403	31,689	30,395	1,294	61,714	6,114	86,326	963
Tennessee	64,807	51,816	47,259	4,557	12,991	7,827	56,345	635
Texas	196,426	78,987	66,092	12,895	117,439	34,620	161,806	----------
Utah	24,920	11,083	8,815	2,268	13,837	4,877	16,107	3,936
Vermont	12,970	10,199	9,178	1,021	2,771	1,834	11,114	22
Virginia	49,242	45,098	42,092	3,006	4,144	[6] 47,700	584	958
Washington	46,841	34,086	30,011	4,075	11,855	5,992	36,076	4,773
West Virginia	33,017	17,884	13,754	4,130	15,133	[6] 31,597	1,085	335
Wisconsin	86,314	77,496	70,608	6,888	8,818	10,090	75,814	410
Wyoming	25,955	7,678	4,623	3,055	18,277	4,564	19,452	1,939

[1] Low type includes soil-surfaced, slag, gravel or stone, and low-type bituminous; high type includes high-type bituminous, Portland cement concrete, brick and block.
[2] Includes only mileage of roads not forming a part of State or local highway systems.
[3] Includes 7,805 miles of State park, forest, institutional and other roads that are not part of State or local highway systems.
[4] Includes small amount of unsegregated urban mileage.
[5] Includes 230 miles of State park, forest, and reservation roads not classified by surface type.
[6] Includes county roads under State control in Delaware, North Carolina, Virginia (all but three counties), and West Virginia.

Source: Department of Commerce, Bureau of Public Roads; *Highway Statistics, 1950.*

No. 592.—Disbursements of State-Highway Funds, by States: 1921 to 1950

[Includes disbursements, whether from current revenues or proceeds of loans, for construction, maintenance, interest and principal payments on highway bonds, transfers to local units, and miscellaneous disbursements. Beginning 1935 covers calendar years; figures for earlier years for many States represent fiscal years. Beginning with 1940, figures not comparable with those for prior years as they include data for certain State income applicable to highways, namely, proceeds of highway-user imposts allotted, without passing through State highway departments, by State treasurer for (1) county and other local roads and streets and for (2) nonhighway purposes. These data not included in prior years]

[In thousands of dollars]

Division and State	Year in which first State-aid law passed	1921	1930	1935	1940	1945	1947	1948	1949	1950
Cont. U. S.		**411,995**	**1,139,677**	**848,355**	**1,591,290**	**1,255,298**	**2,362,900**	**2,841,328**	**3,176,752**	**3,501,513**
New England		**25,910**	**76,418**	**81,054**	**98,625**	**64,034**	**129,988**	**145,540**	**182,142**	**197,732**
Maine	1901	6,524	17,184	11,671	13,550	10,169	32,707	24,512	25,280	24,380
New Hampshire	1903	2,360	9,640	6,165	8,386	6,935	9,953	13,893	17,659	13,523
Vermont	1898	951	9,013	5,920	8,365	3,975	9,204	11,100	13,838	9,954
Massachusetts	1892	7,864	21,926	36,719	37,635	21,428	36,365	44,291	68,331	97,931
Rhode Island	1902	2,213	3,367	3,681	8,011	6,350	9,235	12,533	12,747	14,249
Connecticut	1895	5,998	15,288	16,898	22,678	15,177	32,524	39,211	44,287	37,695
Middle Atlantic		**101,475**	**216,236**	**127,513**	**307,819**	**186,770**	**351,536**	**463,489**	[1] **524,779**	**771,149**
New York	1898	36,855	73,233	54,770	158,946	72,575	162,509	204,951	[1] 217,114	303,634
New Jersey	1891	15,608	47,414	26,771	57,509	43,980	47,469	66,549	80,684	188,354
Pennsylvania	1903	49,012	95,589	45,972	91,364	70,215	141,558	191,989	226,981	279,161
E. N. Central		**68,512**	**190,673**	**141,442**	**312,905**	**242,329**	**389,683**	**509,835**	**546,419**	**502,737**
Ohio	1904	15,547	47,491	25,772	93,403	76,257	116,645	137,667	155,971	147,327
Indiana	1917	8,110	22,569	17,953	40,461	34,985	50,294	67,825	67,264	69,178
Illinois	1905	15,693	48,854	42,729	70,536	53,188	88,580	125,089	132,752	112,503
Michigan	1905	16,744	46,136	23,653	67,403	50,159	87,973	110,061	114,682	105,687
Wisconsin	1911	12,417	25,623	31,335	41,102	27,740	46,191	69,193	75,750	68,042
W. N. Central		**48,078**	**171,732**	**112,817**	**148,681**	**109,097**	**237,231**	**277,306**	**300,343**	**324,919**
Minnesota	1905	7,480	39,365	22,950	31,275	22,807	50,595	57,179	58,558	65,243
Iowa	1904	18,276	50,607	22,239	32,517	22,633	54,024	56,125	66,229	70,225
Missouri	1907	4,727	43,921	27,661	27,553	20,554	37,818	49,524	51,467	52,942
North Dakota	1909	1,030	3,992	4,911	7,355	6,105	13,888	19,671	22,951	21,636
South Dakota	1911	4,738	5,915	6,728	9,236	5,644	14,304	20,666	21,052	20,236
Nebraska	1911	4,836	11,087	10,379	20,117	15,802	27,090	32,319	32,850	36,077
Kansas	1911	6,991	16,845	17,949	20,628	15,552	39,512	41,822	47,236	49,560
South Atlantic		**51,181**	**139,904**	**127,216**	**232,740**	**194,163**	**386,894**	**430,982**	**513,331**	**602,672**
Delaware	1903	3,765	8,492	3,613	4,379	3,340	6,058	9,873	20,774	32,014
Maryland	1898	7,616	17,992	14,700	27,243	19,422	31,222	50,531	65,751	83,879
Dist. of Col	1938	(2)	(2)	(2)	6,588	4,362	10,693	13,571	16,990	10,979
Virginia	1906	7,114	19,189	19,790	28,277	29,487	60,071	56,271	65,159	76,041
West Virginia	1909	1,877	23,308	20,406	25,835	26,878	40,957	46,523	54,547	50,928
North Carolina	1901	15,100	25,613	28,083	39,799	29,120	74,036	79,189	97,691	135,859
South Carolina	1917	3,941	22,753	12,597	22,804	21,609	38,290	46,804	51,752	45,988
Georgia	1908	9,664	12,699	16,479	38,803	24,214	50,536	46,017	66,969	73,547
Florida	1915	2,103	9,858	11,548	39,012	35,731	75,031	81,303	73,698	93,437
E. S. Central		**16,621**	**92,737**	**55,169**	**118,474**	**99,980**	**179,108**	**199,989**	**219,989**	**236,649**
Kentucky	1912	5,757	19,497	18,806	25,716	19,603	39,643	42,202	59,001	67,361
Tennessee	1915	6,328	53,278	14,190	34,031	31,705	54,193	64,461	69,173	78,615
Alabama	1911	1,036	15,373	12,197	27,723	25,813	45,639	40,708	48,227	48,807
Mississippi	1915	3,500	4,589	9,976	31,004	22,859	39,633	52,528	43,588	41,866
W. S. Central		**34,417**	**136,738**	**80,597**	**151,120**	**128,398**	**283,994**	**304,059**	**338,772**	**367,157**
Arkansas	1913	7,520	39,821	16,102	18,278	15,112	35,326	31,912	37,726	45,995
Louisiana	1910	5,347	29,357	19,022	29,662	21,702	47,370	58,333	64,354	70,616
Oklahoma	1911	4,775	20,228	11,568	23,506	24,222	47,467	44,256	65,234	72,735
Texas	1917	16,775	47,332	33,905	79,674	67,362	153,831	169,558	171,458	177,811
Mountain		**27,463**	**47,023**	**50,088**	**73,634**	**49,616**	**125,285**	**144,155**	**151,171**	**162,558**
Montana	1913	3,640	6,378	7,633	11,741	6,682	15,652	19,867	20,348	21,567
Idaho	1905	4,863	6,637	6,105	8,039	5,674	14,196	13,962	16,176	18,676
Wyoming	1911	3,446	3,590	5,078	6,272	3,318	12,193	15,549	14,026	14,103
Colorado	1909	4,156	8,144	7,781	14,694	11,671	25,978	36,805	38,057	37,785
New Mexico	1909	3,713	9,138	7,359	13,428	8,088	19,777	18,557	18,705	26,141
Arizona	1909	2,948	5,233	5,631	8,864	6,056	17,379	19,245	21,331	19,691
Utah	1909	3,107	5,193	5,914	6,342	6,222	12,567	12,856	13,903	15,099
Nevada	1911	1,590	2,710	4,587	4,254	1,905	7,543	7,317	8,625	9,496
Pacific		**38,339**	**68,215**	**72,459**	**147,292**	**180,911**	**279,181**	**365,973**	**399,806**	**395,940**
Washington	1905	9,696	15,806	17,666	39,925	28,602	50,996	57,723	75,269	77,524
Oregon	1913	17,828	14,668	16,991	18,385	14,234	34,629	42,162	47,122	49,923
California	1895	10,815	37,741	37,802	88,982	138,075	193,556	266,088	277,415	268,493

[1] Excludes transactions of Port of New York Authority. [2] Data not available.

Source: Department of Commerce, Bureau of Public Roads; *Highway Statistics, 1950*, and previous annual statements on State-highway finance.

No. 593.—State-Highway Funds Available, by Source, and Disbursements, by Purpose, by States: 1950

[**In thousands of dollars.** Includes receipts and disbursements of all State imposts on highway users, all other funds available to State highway departments, and State funds other than those of highway department which were reported as being applied to highway purposes. Includes transactions of interstate and intrastate toll authorities that are operated by State or quasi-State agencies. See also *Historical Statistics*, series K 193-203]

Division and State	Funds available: Total	Funds available: Motor-vehicle fees, motor-fuel and motor-carrier taxes	Funds available: Federal funds	Funds available: Income from bonds, notes, and other loans	Funds available: All other sources[1]	Disbursements: Total[2]	Disbursements: For State-administered highways: Capital outlay, roads and bridges[3]	Disbursements: For State-administered highways: Maintenance[3]	Disbursements: For State-administered highways: Other[4]	Disbursements: For county and local roads and streets
Cont. U. S.	5,068,196	2,587,079	425,587	410,117	1,645,413	3,561,513	1,533,859	501,487	447,574	752,429
New England	251,446	116,175	29,040	63,104	43,127	197,732	87,752	47,735	23,889	26,419
Maine	28,431	18,659	4,158	--------	5,614	24,380	10,572	7,999	4,026	1,326
New Hampshire	5,878	9,277	1,761	--------	−5,160	13,523	5,834	4,433	2,034	944
Vermont	12,922	8,880	1,395	2,809	−162	9,954	2,562	3,351	676	3,158
Massachusetts	141,573	37,237	15,322	60,295	28,719	97,931	52,641	22,740	9,286	9,565
Rhode Island	15,743	11,015	1,931	--------	2,797	14,249	817	1,961	1,615	4,241
Connecticut	46,899	31,107	4,473	--------	11,319	37,695	15,326	7,251	6,252	7,185
Middle Atlantic	1,299,152	408,174	58,606	101,657	730,715	771,149	396,357	68,692	157,467	70,359
New York[5]	568,200	172,207	26,594	22,002	347,397	303,634	107,204	31,353	91,395	30,083
New Jersey	261,743	73,146	8,146	79,655	100,796	188,354	88,813	8,336	35,640	19,718
Pennsylvania	469,209	162,821	23,866	--------	282,522	279,161	194,340	29,003	30,432	20,558
E. N. Central	643,999	451,938	57,074	1,468	133,519	502,737	146,211	77,550	38,812	213,686
Ohio	179,395	131,856	12,907	--------	34,632	147,327	38,580	28,328	10,958	64,496
Indiana	74,571	66,591	6,354	--------	1,626	69,178	23,715	9,216	3,319	29,245
Illinois	156,516	101,640	15,685	--------	39,191	112,503	23,353	14,798	17,976	49,115
Michigan	115,871	92,513	11,959	--------	11,399	105,687	34,405	15,272	4,532	47,601
Wisconsin	117,646	59,338	10,169	1,468	46,671	68,042	26,158	9,936	2,027	23,229
W. N. Central	437,921	253,487	66,682	--------	117,752	324,919	126,696	52,957	32,104	104,621
Minnesota	110,177	61,733	10,714	--------	37,730	65,243	30,478	10,777	4,825	17,198
Iowa	102,715	56,569	13,473	--------	32,673	79,225	17,116	7,969	6,341	46,355
Missouri	81,383	39,686	11,765	--------	29,932	52,942	26,106	11,538	12,512	1,647
North Dakota	24,491	10,653	6,497	--------	7,341	21,636	10,354	3,247	2,107	5,484
South Dakota	23,625	12,641	6,465	--------	4,519	20,236	7,883	4,307	747	7,019
Nebraska	40,170	32,362	7,231	--------	577	36,077	13,072	6,242	1,833	14,146
Kansas	55,360	30,843	10,537	--------	4,980	49,560	21,687	8,877	3,739	12,772
South Atlantic	916,259	404,578	52,172	186,958	272,551	602,672	317,562	97,331	67,559	56,945
Delaware	45,507	6,377	1,670	2,005	35,455	32,014	[6] 23,886	1,784	4,488	--------
Maryland	144,284	42,628	4,118	25,027	72,511	83,879	51,482	6,284	6,280	18,698
Dist. of Columbia	15,275	11,840	1,235	--------	2,200	10,979	--------	--------	--------	9,039
Virginia	108,614	55,230	6,583	23,158	23,643	76,041	[6] 42,614	19,408	9,829	1,700
West Virginia	65,655	31,517	3,714	18,551	11,873	50,928	[6] 17,751	23,222	9,324	--------
North Carolina	254,449	85,463	9,100	75,708	84,178	135,859	[6] 92,235	21,081	18,333	--------
South Carolina	62,698	34,808	5,313	10,016	12,561	45,988	17,908	9,171	10,932	4,449
Georgia	87,655	57,163	15,811	--------	14,681	73,547	30,706	6,176	2,849	10,511
Florida	132,122	79,552	4,628	32,493	15,449	93,437	40,980	10,205	5,524	12,548
E. S. Central	298,651	189,370	28,054	2,228	78,999	236,649	89,832	29,021	26,893	71,877
Kentucky	83,058	51,625	9,631	--------	21,802	67,361	44,449	10,603	4,483	6,368
Tennessee	101,679	59,407	6,845	--------	35,427	78,615	24,675	9,114	8,093	24,325
Alabama	62,692	45,234	4,922	--------	12,536	48,807	9,276	4,759	5,788	25,312
Mississippi	51,222	33,104	6,656	2,228	9,234	41,866	11,432	4,455	8,529	15,872
W. S. Central	557,848	301,272	49,246	48,349	158,981	367,157	157,099	58,825	42,469	71,265
Arkansas	71,555	32,687	7,883	7,023	23,962	45,905	18,639	9,541	9,613	6,715
Louisiana	129,798	51,657	9,107	10,047	58,987	70,616	33,668	12,556	14,404	8,768
Oklahoma	129,075	58,852	9,466	31,279	29,478	72,735	22,735	9,687	4,356	28,905
Texas	227,420	158,076	22,790	--------	46,554	177,811	82,057	27,041	14,096	26,877
Mountain	198,054	115,825	49,010	6,353	26,866	162,558	83,849	26,438	17,623	28,265
Montana	29,954	15,557	8,319	--------	6,078	21,567	11,742	4,758	2,082	2,529
Idaho	20,791	13,664	4,606	--------	2,521	18,676	8,436	3,453	932	5,653
Wyoming	17,939	7,705	5,786	--------	4,448	14,103	8,265	3,329	681	1,649
Colorado	48,008	28,634	8,407	6,353	4,614	37,785	18,023	3,420	4,342	10,245
New Mexico	30,257	20,070	7,445	--------	2,742	26,141	12,805	4,110	6,235	1,180
Arizona	24,329	15,372	4,614	--------	4,343	19,691	10,438	2,728	1,218	4,576
Utah	17,270	10,063	5,209	--------	1,998	15,099	7,837	2,937	1,247	2,134
Nevada	9,506	4,760	4,624	--------	122	9,496	6,303	1,703	886	299
Pacific	464,866	346,260	35,703	--------	82,903	395,940	134,501	42,938	40,758	108,992
Washington	85,587	59,707	11,061	--------	14,819	77,524	32,427	9,959	5,497	20,441
Oregon	58,642	45,214	6,669	--------	6,759	49,923	15,584	12,062	5,702	13,488
California	320,637	241,339	17,973	--------	61,325	268,493	86,490	20,917	29,559	75,060

[1] Balances from 1949, totaling $1,454,809,000; and miscellaneous revenues, totaling $190,604,000.
[2] Includes disbursements not shown separately and not elsewhere included: For collection and administration of highway-user revenues, $100,163,000; for nonhighway purposes, $226,001,000.
[3] Includes some administrative, equipment, and miscellaneous disbursements.
[4] Disbursements for interest; retirement of debt; local debt assumed; highway police; and those for administration, engineering, and miscellaneous.
[5] Includes transactions of Port of New York Authority.
[6] Expenditures on county roads under State control included with those for State-administered highways.

Source: Department of Commerce, Bureau of Public Roads; *Highway Statistics, 1950.*

No. 594.—Federal Highway Projects, by States: Status as of June 30, 1951

[All figures except mileage data in thousands of dollars. Data include projects financed with Federal-aid and emergency funds]

State or other area	Completed during fiscal year			Under construction			Approved—not under construction			Federal-aid funds available for future projects
	Total cost	Federal funds	Miles	Total cost	Federal funds	Miles	Total cost	Federal funds	Miles	
Total	731,827	374,268	19,278.8	1,200,813	605,655	14,771.8	335,914	168,679	6,751.2	316,199
Alabama	9,235	4,939	414.4	17,365	8,417	408.5	7,345	3,714	162.7	15,739
Arizona	7,801	5,371	186.9	4,340	3,109	49.9	892	517	13.3	1,255
Arkansas	15,022	7,355	397.3	13,702	7,009	360.1	5,325	2,656	175.3	4,028
California	23,447	11,307	208.6	62,878	30,691	302.9	19,295	9,230	75.5	9,165
Colorado	15,409	8,888	385.4	13,629	7,469	273.1	4,507	2,495	121.5	3,586
Connecticut	7,588	4,126	12.4	8,637	4,618	8.1	2,805	1,588	7.2	3,236
Delaware	4,762	2,266	83.1	5,333	2,602	19.1	10	9	-------	2,774
District of Columbia	1,071	531	3.6	1,175	780	-------	2,965	1,482	3.2	3,521
Florida	9,756	4,763	291.0	20,045	9,861	417.9	7,763	4,081	117.2	4,719
Georgia	26,941	13,185	605.4	32,585	16,681	680.3	9,722	3,977	68.4	8,170
Idaho	6,565	3,972	216.6	8,490	4,879	279.8	2,308	1,416	87.8	5,431
Illinois	29,860	13,818	305.6	68,966	35,534	550.0	19,238	9,688	212.0	21,889
Indiana	9,515	5,055	49.5	17,437	8,851	96.3	8,869	4,306	181.9	11,887
Iowa	22,093	11,074	1,090.6	19,916	10,326	596.9	9,068	4,453	434.8	3,886
Kansas	20,531	10,405	1,547.9	13,028	6,498	517.2	6,130	3,074	306.9	7,542
Kentucky	13,909	6,933	309.4	17,055	8,463	275.9	3,904	2,193	72.1	2,830
Louisiana	17,349	9,170	225.7	18,023	9,153	201.7	8,505	3,994	65.5	6,214
Maine	5,186	2,560	76.8	7,977	4,269	70.2	817	367	5.9	3,989
Maryland	11,539	5,743	67.2	12,567	6,030	54.7	5,460	3,179	45.8	4,557
Massachusetts	8,866	4,571	19.9	70,316	35,005	59.3	5,845	2,241	1.6	2,477
Michigan	23,541	11,026	485.4	48,853	21,287	363.7	10,898	5,080	260.3	6,685
Minnesota	19,896	10,234	1,346.1	26,868	14,095	735.6	8,705	5,009	659.7	4,638
Mississippi	8,156	4,275	323.0	13,123	6,589	374.0	9,555	5,130	227.1	8,639
Missouri	16,268	8,644	753.5	33,926	17,816	553.1	15,498	7,876	401.9	10,286
Montana	11,435	6,962	474.4	13,617	8,188	262.6	5,194	3,014	152.2	5,163
Nebraska	10,428	5,740	248.9	16,827	8,758	525.0	5,068	2,480	98.7	9,234
Nevada	5,431	4,308	219.8	3,294	2,722	130.8	546	468	34.9	3,631
New Hampshire	3,328	1,633	28.7	5,676	2,819	49.9	418	185	5.7	2,887
New Jersey	14,845	7,020	27.2	15,459	7,302	23.6	9,507	4,739	3.0	4,937
New Mexico	10,505	6,786	409.9	10,729	6,959	230.1	2,520	1,605	46.9	3,249
New York	51,868	25,464	106.6	112,969	52,997	250.1	17,721	8,100	170.8	33,162
North Carolina	18,902	9,215	500.9	29,102	14,154	625.2	5,010	2,379	117.0	5,027
North Dakota	11,848	5,944	925.5	7,800	3,892	618.4	7,038	3,512	467.8	2,251
Ohio	21,515	10,472	215.1	82,658	41,989	342.5	5,333	2,719	163.4	14,650
Oklahoma	18,947	9,294	585.3	24,346	12,316	392.8	5,950	3,306	123.2	3,640
Oregon	12,367	6,748	187.2	16,388	9,146	217.9	4,064	2,230	96.8	1,238
Pennsylvania	36,486	18,152	98.9	86,629	42,704	232.0	15,487	7,739	52.8	14,919
Rhode Island	1,799	949	9.2	14,771	7,503	17.1	1,050	565	2.5	2,056
South Carolina	10,180	5,016	541.5	13,484	8,263	249.5	2,122	1,043	54.5	3,345
South Dakota	8,849	5,203	896.8	11,200	6,761	671.0	5,580	3,056	291.5	2,200
Tennessee	14,261	6,774	444.7	24,344	11,540	343.5	8,601	4,033	198.7	4,638
Texas	54,551	27,155	2,256.1	49,328	23,340	776.2	18,037	9,175	198.2	10,453
Utah	5,551	3,996	151.3	6,254	4,733	202.0	1,299	951	39.6	2,864
Vermont	1,969	970	30.9	4,660	2,290	32.5	843	427	6.2	1,122
Virginia	18,509	9,482	373.3	16,387	8,700	280.5	11,831	5,905	275.0	7,067
Washington	13,070	6,208	206.1	21,974	10,721	132.2	4,599	2,255	105.7	3,857
West Virginia	7,857	3,914	67.9	9,349	4,740	99.8	4,291	2,151	60.1	3,810
Wisconsin	18,446	9,155	515.9	19,750	9,752	482.4	11,178	5,261	203.2	7,835
Wyoming	6,214	4,029	303.0	9,363	5,877	276.2	1,976	1,287	60.3	1,294
Hawaii	2,537	1,244	21.9	9,441	3,547	23.7	1,157	378	.5	1,452
Puerto Rico	5,823	2,224	26.5	8,781	3,910	36.0	4,065	1,961	14.4	3,060

Source: Department of Commerce, Bureau of Public Roads; June 30 statements on status of Federal highway projects and balances of funds apportioned to all States for programmed projects.

No. 595.—Public Road Finances—County, Local Rural Roads, City and Village Streets, Funds Contributed and Disbursed: 1930 to 1950

[**In millions of dollars.** Data are for varying fiscal years, as reported by individual States. Includes State disbursements. See also *Historical Statistics*, series K 205-224]

SOURCE OR PURPOSE	1930	1935	1940	1945 [1]	1947 [1]	1948 [1]	1949 [1]	1950 [1]
APPROXIMATE FUNDS CONTRIBUTED								
County and local rural roads, total	800	624	893	554	850	959	1,016	1,067
County and local rural revenue sources	509	235	243	257	321	348	367	396
Borrowings	95	50	68	[2] 22	[2] 104	[2] 87	[2] 87	[2] 104
State revenues	196	217	273	268	401	488	514	528
Federal funds	------	122	309	7	24	36	48	39
City and village streets, total	911	490	596	403	585	640	670	979
Revenue of—								
Counties and local rural agencies	(3)	12	12	8	11	11	10	26
Urban places	787	335	347	315	383	390	402	598
Borrowings	112	17	17	[2] 33	[2] 96	[2] 117	[2] 124	[2] 200
State highway-user imposts	12	23	53	47	93	118	131	154
Federal work-relief funds (mainly WPA)	------	103	167	------	------	------	------	------
Federal funds	------	------	------	------	2	4	3	1
DISBURSEMENTS								
County and local rural roads, total	813	605	907	525	822	941	1,012	1,113
Capital outlay	297	207	455	83	254	313	349	393
Maintenance and administration	321	212	265	333	458	519	555	607
Debt retirement	113	111	120	[4] 77	[4] 79	[4] 78	[4] 77	[4] 85
Interest	82	75	58	32	31	31	31	28
City and village streets, total	799	461	567	411	623	685	718	980
Capital outlay	478	223	344	59	203	234	252	399
Maintenance and administration	230	170	162	224	297	328	344	447
Debt retirement	(3)	(3)	(3)	[4] 84	[4] 81	[4] 81	[4] 80	[4] 90
Interest	91	68	61	44	42	42	42	44

[1] Preliminary estimate.
[2] Excludes refunding issues.
[3] Not available.
[4] Excludes retirement by refunding.

Source: Department of Commerce, Bureau of Public Roads.

No. 596.—Motor Vehicles—Estimate of Travel of Motor Vehicles: 1936 to 1948

[**In million vehicle miles.** Excludes military-vehicle travel beginning 1942. See also *Historical Statistics*, series K 236-238b]

TYPE OF VEHICLE AND AREA	1936	1940	1944	1945	1946	1947	1948
All motor vehicles:							
Total travel	252,128	302,143	211,580	249,344	340,655	370,622	397,589
Urban travel	129,450	149,993	110,750	130,161	170,049	184,088	199,082
Rural travel	122,678	152,150	100,830	119,183	170,606	186,534	198,507
Passenger vehicles:							
Urban travel	110,419	130,269	93,679	111,323	148,497	158,770	170,331
Rural travel	100,602	121,947	76,193	92,034	136,012	145,763	153,411
Trucks and combinations:							
Urban travel	19,031	19,724	17,071	18,838	21,552	25,318	28,751
Rural travel	22,076	30,203	24,637	27,149	34,594	40,771	45,096

Source: Department of Commerce, Bureau of Public Roads; *Highway Statistics, 1948*, and previous annual statements on vehicle miles.

No. 597.—Motor Vehicles—Factory Sales and Registrations: 1900 to 1950

[For 1923 and subsequent years includes data for motor vehicles assembled in foreign countries from parts made in United States. Excludes motorcycles. See also *Historical Statistics*, series K 225-232]

Year	Factory sales: Number (in thousands): Total	Factory sales: Number (in thousands): Passenger cars	Factory sales: Number (in thousands): Motor trucks [1]	Factory sales: Wholesale value [2] (thousands of dollars): Total	Factory sales: Wholesale value [2] (thousands of dollars): Passenger cars	Factory sales: Wholesale value [2] (thousands of dollars): Motor trucks [1]	Registrations (in thousands): Total (excl. publicly owned)	Registrations (in thousands): Passenger cars, and taxis [3]	Registrations (in thousands): Motor trucks and busses [3]
1900	4	4	-------	4,899	4,899	----------	8	8	-------
1905	25	24	1	40,000	38,670	1,330	79	77	1
1910	187	181	6	225,000	215,340	9,660	469	458	10
1915	970	896	74	701,778	575,978	125,800	2,491	2,332	159
1920	2,227	1,906	322	2,232,420	1,809,171	423,249	9,239	8,132	1,108
1923	4,034	3,625	409	2,504,810	2,196,272	308,538	15,102	13,253	1,849
1924	3,603	3,186	417	2,288,677	1,970,097	318,581	17,613	15,436	2,177
1925	4,266	3,735	531	2,916,770	2,458,370	458,400	19,941	17,440	2,501
1926	4,301	3,784	517	3,092,188	2,640,065	452,123	22,053	19,221	2,832
1927	3,401	2,937	465	2,584,802	2,164,671	420,131	23,140	20,142	2,997
1928	4,359	3,815	543	3,013,622	2,576,490	437,132	24,512	21,308	3,204
1929	5,358	4,587	771	3,413,148	2,847,119	566,030	26,503	23,060	3,442
1930	3,356	2,785	571	2,034,835	1,645,399	389,437	26,532	22,973	3,559
1931	2,390	1,973	417	1,373,691	1,111,274	262,418	25,862	22,330	3,532
1932	1,371	1,135	235	754,485	618,291	136,193	24,133	20,832	3,300
1933	1,920	1,574	347	948,806	762,737	186,069	23,877	20,586	3,290
1934	2,753	2,178	575	1,467,260	1,147,116	320,144	24,954	21,472	3,482
1935	3,947	3,252	695	2,088,834	1,709,426	379,408	26,230	22,495	3,735
1936	4,454	3,670	785	2,478,467	2,015,646	462,820	28,172	24,168	4,004
1937	4,809	3,916	893	2,778,227	2,243,732	534,495	29,706	25,391	4,315
1938	2,489	2,001	488	1,570,950	1,236,802	334,148	29,443	25,167	4,276
1939	3,577	2,867	710	2,260,018	1,765,189	494,829	30,615	26,140	4,476
1940	4,472	3,717	755	2,938,474	2,370,654	567,820	32,035	27,372	4,663
1941	4,841	3,780	1,061	3,637,006	2,567,206	1,069,800	34,472	29,524	4,948
1942	1,042	223	819	1,591,270	163,814	1,427,457	32,579	27,869	4,710
1943	700	(4)	700	1,451,896	102	1,451,794	30,500	25,913	4,587
1944	738	1	738	1,701,376	447	1,700,929	30,086	25,466	4,620
1945	725	70	656	1,239,210	57,255	1,181,956	30,038	25,091	4,947
1946	3,090	2,149	941	3,023,028	1,979,781	1,043,247	33,946	28,100	5,846
1947	4,798	3,558	1,240	5,673,739	3,963,896	1,709,843	37,360	30,719	6,642
1948	5,285	3,909	1,376	6,711,612	4,853,402	1,858,210	40,542	33,201	7,341
1949	6,254	5,119	1,134	8,175,853	6,768,418	1,407,435	44,120	36,293	7,828
1950	8,003	6,666	1,337	10,380,752	8,633,272	1,747,480	48,567	40,185	8,382

[1] Includes busses. A substantial part of the trucks and busses reported comprises chassis without body; hence value of bodies for these chassis not included. Includes military trucks; total sales for the period Sept. 1, 1939, through 1946, amounted to 2,575,000, valued at $5,257,588,000. Production for the period Jan. 1, 1940, through 1946 was 2,601,000.

[2] Beginning 1937, represents standard equipment.

[3] Prior to 1925, busses included with passenger cars.

[4] Less than 500.

Source: Factory sales—Automobile Manufacturers Association, Detroit, Mich.; *Automobile Facts and Figures*. Registrations—Department of Commerce, Bureau of Public Roads; *Highway Statistics, Summary to 1945*, and subsequent annual reports.

No. 598.—Motor Fuel Consumption: 1942 to 1950

[**In millions of gallons.** Excludes exports and Federal purchases for military use. Data obtained chiefly from reports of State authorities. See also *Historical Statistics*, series K 233-235 for data on total highway and non-highway usage]

Use	1942	1943	1944	1945	1946	1947	1948	1949	1950
Total consumption	**22,692**	**18,871**	**19,524**	**22,304**	**29,201**	**32,036**	**34,707**	**36,835**	**40,280**
Total usage	22,439	18,643	19,292	22,047	28,877	31,681	34,329	36,440	39,831
Highway	19,940	16,004	16,430	19,149	25,649	28,216	30,461	32,431	35,653
Nonhighway	2,499	2,639	2,862	2,898	3,228	3,465	3,869	4,009	4,178
Private and commercial use, total	21,831	18,196	18,837	21,576	28,382	31,030	33,616	35,690	39,033
Highway	19,473	15,668	16,090	18,798	25,269	27,714	29,909	31,850	35,034
Nonhighway	2,358	2,528	2,748	2,778	3,113	3,315	3,707	3,840	3,999
Public use, total	608	447	455	471	495	651	713	750	798
Federal, highway	101	42	42	43	44	58	64	67	69
State, county, and municipal	507	405	412	428	450	593	649	683	729
Highway	366	294	298	308	336	443	488	514	550
Nonhighway	141	111	115	120	115	149	162	169	179
Losses allowed for evaporation, handling, etc.	254	229	232	257	325	355	378	395	449

Source: Department of Commerce, Bureau of Public Roads; *Highway Statistics, Summary to 1945*; and subsequent annual reports.

No. 599.—Motor-Vehicle Registrations (Combined Figures for Passenger Cars, Busses, and Motor Trucks), by States: 1915 to 1950

[Excludes publicly owned vehicles. For uniformity, figures have been adjusted to a calendar year basis as registration years in States differ. Figures represent net numbers where possible, excluding reregistrations and nonresident registrations]

[In thousands]

Division and State	1915	1920	1925	1930	1935	1940	1945	1949	1950
Continental U. S.	2,491	9,239	19,941	26,532	26,230	32,035	30,638	44,140	48,567
New England	206	573	1,281	1,699	1,682	2,020	1,967	2,587	2,784
Maine	22	63	140	186	181	206	207	249	272
New Hampshire	13	35	81	112	117	135	128	164	169
Vermont	11	32	70	87	82	94	90	114	119
Massachusetts	103	274	637	846	786	904	859	1,167	1,266
Rhode Island	16	50	102	137	140	187	178	234	249
Connecticut	41	119	251	331	367	494	505	659	709
Middle Atlantic	497	1,474	3,537	4,921	4,964	5,976	5,311	7,546	8,235
New York	255	676	1,626	2,308	2,331	2,743	2,330	3,397	3,693
New Jersey	82	228	581	853	888	1,087	1,020	1,426	1,564
Pennsylvania	160	570	1,330	1,760	1,745	2,146	1,961	2,723	2,978
East North Central	667	2,229	4,917	6,383	6,085	7,298	6,884	9,581	10,419
Ohio	181	621	1,346	1,759	1,715	1,919	1,905	2,562	2,768
Indiana	97	333	725	875	851	1,000	984	1,330	1,424
Illinois	181	569	1,263	1,638	1,526	1,926	1,721	2,396	2,632
Michigan	115	413	989	1,328	1,239	1,552	1,454	2,181	2,409
Wisconsin	93	293	594	783	754	901	820	1,111	1,186
West North Central	500	1,782	2,942	3,682	3,494	3,960	3,663	5,093	5,437
Minnesota	93	324	570	733	727	871	750	1,058	1,158
Iowa	145	437	659	778	699	794	693	978	1,060
Missouri	76	297	604	762	766	922	854	1,186	1,252
North Dakota	25	91	145	183	164	182	181	257	273
South Dakota	29	120	168	205	179	196	179	269	287
Nebraska	59	219	339	426	406	412	406	538	563
Kansas	73	294	457	595	553	583	600	807	844
South Atlantic	161	806	1,920	2,518	2,657	3,408	3,453	5,185	5,822
Delaware	5	18	40	56	57	72	68	95	107
Maryland	31	103	234	322	346	444	459	611	679
District of Columbia	19	34	103	157	171	162	111	177	191
Virginia	21	115	283	376	386	500	548	809	906
West Virginia	13	81	218	266	248	303	284	431	475
North Carolina	21	141	340	453	463	592	606	903	1,035
South Carolina	15	94	168	218	236	337	336	519	570
Georgia	25	146	248	342	394	503	523	783	888
Florida	11	74	286	328	356	495	518	856	971
East South Central	68	358	879	1,215	1,129	1,513	1,517	2,440	2,768
Kentucky	20	113	262	331	346	464	435	684	774
Tennessee	26	102	245	368	352	450	460	738	842
Alabama	12	75	195	279	245	340	359	586	675
Mississippi	10	68	177	237	186	259	263	431	477
West South Central	84	773	1,794	2,411	2,369	2,891	2,767	4,310	4,918
Arkansas	8	59	184	220	207	257	275	427	471
Louisiana	11	73	207	275	269	365	404	603	699
Oklahoma	25	213	424	550	502	575	505	743	819
Texas	40	428	979	1,366	1,382	1,694	1,583	2,536	2,929
Mountain	81	371	677	964	959	1,239	1,193	1,835	2,039
Montana	15	61	95	135	150	191	157	240	259
Idaho	7	51	82	119	118	163	151	239	267
Wyoming	4	24	48	62	70	86	82	131	142
Colorado	29	129	240	309	285	352	342	502	556
New Mexico	7	18	49	84	92	125	118	200	233
Arizona	8	35	68	111	103	138	143	235	264
Utah	9	43	74	114	106	140	154	220	243
Nevada	2	10	21	30	35	44	46	67	75
Pacific	227	873	1,994	2,739	2,900	3,730	3,883	5,564	6,145
Washington	39	174	329	446	454	562	614	838	903
Oregon	24	115	217	252	294	394	414	621	678
California	164	584	1,448	2,041	2,152	2,774	2,855	4,104	4,564

Source: Department of Commerce, Bureau of Public Roads; *Highway Statistics, Summary to 1945*; and subsequent annual reports.

No. 600.—Motor-Vehicle Registrations and Revenues, by States: 1950

Division and state	Number of motor cars: Total	Registered vehicles, private and commercial: Passenger cars and taxis	Registered vehicles, private and commercial: Trucks and busses	Publicly owned vehicles, Federal, State, county, etc.[1]	Trailers, registered (including official)[2]	Motorcycles, registered (including official)	Receipts from motor-vehicle administration: Total receipts[3] (Thousands of dollars)	Receipts from motor-vehicle administration: Registration, motor cars[4] (Thousands of dollars)
Continental U. S.	49,161,691	40,185,146	8,381,838	594,707	2,427,990	453,874	904,271	725,928
New England	2,816,491	2,385,543	398,437	32,511	111,353	16,963	38,184	30,116
Maine	276,421	208,998	[5] 63,304	4,119	[5] 20,241	2,581	6,381	5,205
New Hampshire	172,339	136,624	32,164	3,551	9,557	1,832	4,175	[6] 3,579
Vermont	120,598	[7] 104,206	[7] 15,104	1,288	6,240	942	4,061	3,502
Massachusetts	1,280,329	1,098,770	167,471	14,088	50,339	5,563	8,031	6,630
Rhode Island	250,869	216,363	32,058	2,448	4,510	1,816	4,621	3,767
Connecticut	715,935	620,582	88,336	7,017	20,466	4,229	10,915	7,433
Middle Atlantic	8,324,114	7,116,382	1,118,578	89,154	225,315	62,919	169,633	135,500
New York	3,735,113	3,240,425	452,652	42,036	111,904	25,886	76,436	68,046
New Jersey	1,579,181	1,347,275	216,380	15,526	25,806	9,941	37,394	24,797
Pennsylvania	3,009,820	2,528,682	449,546	31,592	87,605	27,092	55,803	42,657
East North Central	10,514,798	8,972,407	1,446,776	95,615	638,926	103,389	182,961	154,935
Ohio	2,795,073	2,427,145	341,015	26,913	197,217	25,576	51,328	41,144
Indiana	1,434,885	1,187,809	236,586	10,490	130,492	20,766	24,794	20,056
Illinois	2,650,968	2,281,759	349,957	19,252	60,497	26,682	41,790	38,050
Michigan	2,432,684	2,114,572	294,239	23,873	234,776	19,851	42,405	34,929
Wisconsin	1,201,188	961,122	224,979	15,087	15,944	10,514	22,644	20,756
West North Central	5,491,663	4,326,405	1,110,897	54,361	402,247	47,561	97,837	88,649
Minnesota	1,168,887	962,629	195,475	10,783	92,330	11,765	22,929	21,404
Iowa	1,072,290	878,606	181,748	11,936	122,051	11,582	28,228	26,313
Missouri	1,261,420	990,264	261,607	9,549	78,112	8,172	18,144	15,012
North Dakota	276,027	191,137	82,292	2,598	2,776	1,060	5,199	4,986
South Dakota	290,080	215,485	71,083	3,512	32,703	1,999	4,252	3,986
Nebraska	569,497	441,541	121,920	6,036	58,575	4,870	8,401	7,263
Kansas	853,462	646,743	196,772	9,947	15,700	8,113	10,684	9,085
South Atlantic	5,905,464	4,709,060	1,112,342	84,062	261,606	65,096	104,280	74,058
Delaware	108,272	85,944	20,891	1,437	4,392	721	1,908	1,373
Maryland	684,748	573,482	105,578	5,688	15,040	6,387	18,067	8,412
District of Columbia	194,958	169,892	20,645	[8] 4,421	1,745	952	3,670	1,604
Virginia	917,744	734,362	171,144	12,238	35,502	11,320	13,301	10,332
West Virginia	482,275	361,586	113,280	7,409	10,765	3,988	13,392	8,953
North Carolina	1,056,309	830,526	204,557	21,226	75,446	11,831	20,005	17,268
South Carolina	578,802	462,357	107,729	8,716	9,267	5,509	5,178	3,795
Georgia	897,518	692,409	195,537	9,572	20,771	8,292	5,642	3,865
Florida	984,838	798,502	172,981	13,355	79,678	15,997	23,117	18,456
East South Central	2,812,021	2,110,662	656,712	44,647	33,114	24,643	43,631	32,641
Kentucky	783,724	602,933	171,099	9,692	[9] 19	7,547	13,408	5,809
Tennessee	858,111	669,215	172,278	16,618	[9] 104	7,770	12,324	10,960
Alabama	685,812	509,698	165,207	10,907	12,115	7,096	10,933	9,584
Mississippi	484,374	328,816	148,128	7,430	20,876	2,230	6,906	6,288
West South Central	4,983,509	3,794,906	1,122,750	65,853	207,421	43,486	103,588	71,909
Arkansas	477,265	319,008	151,395	6,862	24,775	2,374	8,902	7,596
Louisiana	706,733	548,202	150,940	7,591	32,156	6,182	6,812	5,010
Oklahoma	831,368	616,412	202,853	12,103	14,140	7,240	20,302	15,040
Texas	2,968,143	2,311,284	617,562	39,297	136,350	27,690	67,572	44,263
Mountain	2,079,886	1,540,782	499,420	39,684	116,649	18,151	26,121	20,053
Montana	264,892	180,307	78,976	5,609	7,128	1,223	4,803	3,882
Idaho	272,362	195,648	71,849	4,865	36,079	2,781	2,863	2,232
Wyoming	145,423	102,401	39,403	3,619	15,659	1,047	1,578	1,103
Colorado	564,210	430,306	125,722	8,182	22,365	4,629	5,200	3,593
New Mexico	237,741	172,005	61,251	4,485	6,499	2,574	4,813	4,058
Arizona	270,799	204,935	59,419	6,445	22,352	3,673	3,546	2,306
Utah	247,317	196,614	46,570	4,133	1,852	1,635	2,655	2,363
Nevada	77,142	58,566	16,230	2,346	4,715	589	663	516
Pacific	6,233,745	5,228,999	915,926	88,820	431,359	71,666	138,036	118,067
Washington	924,220	746,281	156,808	21,041	41,302	6,703	20,390	15,867
Oregon	689,447	545,959	132,231	11,257	23,046	7,748	13,386	11,898
California	4,620,078	3,936,759	626,797	56,522	367,011	57,215	104,260	90,302

[1] Excludes vehicles owned by military services.
[2] As reported. State registration requirements differ widely.
[3] Includes registration fees, certificates of title, transfer or registration fees, permits, fines, etc.; excludes motor-fuel and motor-carrier taxes; for California, includes $49,517,000 vehicle license fees and for Washington, $7,339,000 motor vehicle excise taxes.
[4] Includes fees for registration of automobiles (including taxicabs), busses, and trucks and tractor trucks.
[5] Commercial full trailers included with trucks.
[6] Includes fees for registration of trailers.
[7] Data for trucks under 1,500 pounds capacity included with automobiles.
[8] Includes 1,224 automobiles of the diplomatic corps.
[9] Represents publicly owned only. Heavy semitrailers registered with tractors (as a unit). Automobile trailers not required to register.

Source: Department of Commerce, Bureau of Public Roads; *Highway Statistics, 1950.*

No. 601.—Number of Motor-Vehicle Accident Fatalities by Place of Accident, Place of Death, and Place of Residence: Reporting Area and Each Reporting State, 1949

[Based on special transcripts supplied through cooperation of State vital statistics offices and State traffic authorities in a reporting area which covered 47 States and the District of Columbia and represented 99.5 percent of population of United States. Reported fatalities represented about 99.8 percent of total motor-vehicle accident fatalities in United States in 1949]

STATE	Fatalities from accidents occurring in 1949 (by place of accident)			Deaths occurring in 1949 (by place of death)			Fatalities from accidents occurring in 1949 (by place of residence)		
	Total	Traffic	Non-traffic	Total	Traffic	Non-traffic	Total	Traffic	Non-traffic
Reporting area	30,664	29,945	719	30,728	30,012	716	30,656	29,936	720
Alabama	689	674	15	682	667	15	706	690	16
Arizona	285	274	11	286	275	11	234	222	12
Arkansas	283	281	2	276	274	2	302	297	5
California	3,054	2,953	101	3,056	2,955	101	3,149	3,044	105
Colorado	328	314	14	327	314	13	316	302	14
Connecticut	214	206	8	219	212	7	212	204	8
Delaware	82	81	1	79	78	1	73	71	2
District of Columbia	62	62	-------	86	86	-------	118	118	-------
Florida	680	660	20	678	658	20	642	622	20
Georgia	701	684	17	706	689	17	681	666	15
Idaho	171	167	4	173	169	4	160	156	4
Illinois	1,727	1,719	8	1,729	1,721	8	1,773	1,764	9
Indiana	1,124	1,108	16	1,131	1,114	17	1,074	1,058	16
Iowa	558	550	8	564	556	8	540	533	7
Kansas	504	492	12	503	491	12	497	485	12
Kentucky	651	644	7	646	639	7	655	647	8
Louisiana	473	466	7	475	468	7	466	460	6
Maine	162	155	7	161	154	7	161	154	7
Maryland	470	460	10	460	450	10	408	401	7
Massachusetts	434	427	7	446	439	7	459	452	7
Michigan	1,478	1,436	42	1,483	1,442	41	1,576	1,533	43
Minnesota	549	530	19	553	534	19	560	541	19
Mississippi	395	393	2	388	386	2	375	374	1
Missouri	822	801	21	822	801	21	835	813	22
Montana	165	162	3	162	159	3	152	148	4
Nebraska	259	255	4	254	250	4	267	263	4
Nevada	87	84	3	95	92	3	66	63	3
New Hampshire	71	69	2	71	69	2	70	68	2
New Jersey	607	587	20	613	592	21	618	601	17
New Mexico	288	283	5	289	285	4	212	207	5
New York	1,853	1,819	34	1,872	1,838	34	1,963	1,927	36
North Carolina	951	925	26	950	925	25	935	913	22
North Dakota	143	137	6	148	142	6	146	141	5
Ohio	1,738	1,710	28	1,748	1,720	28	1,747	1,718	29
Oklahoma	549	516	33	530	497	33	550	522	28
Oregon	353	350	3	358	355	3	352	349	3
Pennsylvania	1,662	1,631	31	1,649	1,619	30	1,718	1,684	34
Rhode Island	-------	-------	-------	-------	-------	-------	-------	-------	-------
South Carolina	551	531	20	537	517	20	525	504	21
South Dakota	132	132	-------	129	129	-------	139	139	-------
Tennessee	659	648	11	700	690	10	678	664	14
Texas	1,910	1,856	54	1,907	1,852	55	1,911	1,853	58
Utah	182	172	10	186	176	10	172	163	9
Vermont	52	52	-------	53	53	-------	52	52	-------
Virginia	821	807	14	809	794	15	707	693	14
Washington	475	444	31	474	443	31	479	453	26
West Virginia	370	366	4	377	373	4	390	386	4
Wisconsin	750	734	16	749	733	16	719	703	16
Wyoming	140	138	2	139	137	2	116	115	1

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics: *Motor-Vehicle Accident Fatalities, 1949.*

No. 602.—Number of Motor-Vehicle Traffic Accident Fatalities by Age, Race, and Sex, and by Status of Decedent: Reporting Area, 1949

[See headnote, table 601]

Age and race	Male					Female				
	Total	Driver	Passenger	Pedestrian	Other and not stated	Total	Driver	Passenger	Pedestrian	Other and not stated
All ages	**22,961**	**9,564**	**5,764**	**6,223**	**1,410**	**6,984**	**708**	**4,001**	**1,978**	**297**
Under 1 year	96	--------	91	2	3	88	--------	80	6	2
1 to 4 years	625	--------	223	395	7	432	--------	194	233	5
5 to 14 years	1,416	45	378	724	269	639	3	238	361	37
15 to 19 years	2,121	895	904	138	184	641	43	509	56	33
20 to 24 years	3,205	1,851	1,014	160	180	562	77	430	34	21
25 to 34 years	3,992	2,352	1,060	337	243	907	183	594	86	44
35 to 44 years	2,854	1,602	640	478	134	766	144	451	131	40
45 to 54 years	2,524	1,101	575	706	142	782	109	462	182	29
55 to 64 years	2,509	917	420	1,052	120	875	109	469	262	35
65 to 74 years	2,187	566	271	1,266	84	805	34	364	375	32
75 years and over	1,356	217	158	941	40	473	6	199	251	17
Not stated	76	18	30	24	4	14	--------	11	1	2
White	**20,480**	**8,912**	**5,010**	**5,413**	**1,145**	**6,331**	**681**	**3,661**	**1,719**	**270**
Under 1 year	84	--------	82	2	--------	82	--------	75	5	2
1 to 4 years	548	--------	207	336	5	385	--------	181	199	5
5 to 14 years	1,238	44	339	619	236	564	2	222	305	35
15 to 19 years	1,946	855	818	117	156	598	41	476	49	32
20 to 24 years	2,905	1,731	886	129	159	491	74	372	24	21
25 to 34 years	3,474	2,146	889	249	190	788	175	514	62	37
35 to 44 years	2,437	1,442	515	377	103	679	138	401	103	37
45 to 54 years	2,184	1,026	485	573	100	689	105	418	141	25
55 to 64 years	2,307	888	367	958	94	822	108	446	237	31
65 to 74 years	2,021	551	248	1,155	67	766	32	354	353	27
75 years and over	1,274	215	147	878	34	456	6	193	240	17
Not stated	62	14	27	20	1	11	--------	9	1	1
Nonwhite	**2,481**	**652**	**754**	**810**	**265**	**653**	**27**	**340**	**259**	**27**
Under 1 year	12	--------	9	--------	3	6	--------	5	1	--------
1 to 4 years	77	--------	16	59	2	47	--------	13	34	--------
5 to 14 years	178	1	39	105	33	75	1	16	56	2
15 to 19 years	175	40	86	21	28	43	2	33	7	1
20 to 24 years	300	120	128	31	21	71	3	58	10	--------
25 to 34 years	518	206	171	88	53	119	8	80	24	7
35 to 44 years	417	160	125	101	31	87	6	50	28	3
45 to 54 years	340	75	90	133	42	93	4	44	41	4
55 to 64 years	202	29	53	94	26	53	1	23	25	4
65 to 74 years	166	15	23	111	17	39	2	10	22	5
75 years and over	82	2	11	63	6	17	--------	6	11	--------
Not stated	14	4	3	4	3	3	--------	2	--------	1

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; *Motor-Vehicle Accident Fatalities, 1949.*

No. 603.—Number of Traffic Accident Fatalities by Hour of Accident and Place of Accident, Urban and Rural: Reporting Area, 1949

[See headnote, table 601]

HOUR OF ACCIDENT	Total	Urban	Rural
Total	29,945	7,938	22,007
12 p. m. to 12:59 a. m	1,359	321	1,038
1 a. m. to 1:59 a. m	1,099	299	800
2 a. m. to 2:59 a. m	667	142	525
3 a. m. to 3:59 a. m	441	94	347
4 a. m. to 4:59 a. m	488	101	387
5 a. m. to 5:59 a. m	569	129	440
6 a. m. to 6:59 a. m	615	131	484
7 a. m. to 7:59 a. m	640	114	526
8 a. m. to 8:59 a. m	729	149	580
9 a. m. to 9:59 a. m	823	171	652
10 a. m. to 10:59 a. m	904	211	693
11 a. m. to 11:59 a. m	1,313	331	982
12 m. to 12:59 p. m	901	183	718
1 p. m. to 1:59 p. m	1,119	226	893
2 p. m. to 2:59 p. m	1,412	336	1,076
3 p. m. to 3:59 p. m	1,635	331	1,304
4 p. m. to 4:59 p. m	1,951	556	1,395
5 p. m. to 5:59 p. m	2,045	535	1,510
6 p. m. to 6:59 p. m	1,972	567	1,405
7 p. m. to 7:59 p. m	1,570	450	1,120
8 p. m. to 8:59 p. m	1,360	363	997
9 p. m. to 9:59 p. m	1,307	334	973
10 p. m. to 10:59 p. m	1,550	376	1,174
11 p. m. to 11:59 p. m	840	205	635
Hour not stated	2,636	1,283	1,353

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; *Motor-Vehicle Accident Fatalities, 1949.*

No. 604.—Number of Motor-Vehicle Traffic Accident Fatalities by Type and Place of Accident, Urban and Rural, by Month of Accident: Reporting Area, 1949

[See headnote, table 601]

TYPE AND PLACE OF ACCIDENT	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total	29,945	2,200	1,861	2,027	2,208	2,334	2,257	2,635	2,675	2,840	3,001	2,806	3,101
Collision	21,184	1,635	1,454	1,480	1,524	1,565	1,512	1,788	1,797	1,962	2,139	2,021	2,307
Pedestrian	8,034	752	594	611	610	591	500	529	621	658	798	801	969
Other motor vehicle	9,806	648	618	625	665	744	766	950	891	1,017	1,005	882	995
Other and not stated	3,344	235	242	244	249	230	246	309	285	287	336	338	343
Noncollision	8,322	530	388	513	647	726	721	803	837	834	819	745	759
Not stated	439	35	19	34	37	43	24	44	41	44	43	40	35
Urban	7,938	739	585	607	617	579	541	566	565	652	748	742	997
Collision	6,829	651	517	528	518	483	456	468	469	546	651	659	883
Pedestrian	4,379	451	345	350	321	327	272	264	301	322	404	435	587
Other motor vehicle	1,656	130	97	118	122	107	131	141	118	158	167	166	201
Other and not stated	794	70	75	60	75	49	53	63	50	66	80	58	95
Noncollision	972	74	63	64	89	83	76	81	82	99	90	69	102
Not stated	137	14	5	15	10	13	9	17	14	7	7	14	12
Rural	22,007	1,461	1,276	1,420	1,591	1,755	1,716	2,069	2,110	2,188	2,253	2,064	2,104
Collision	14,355	984	937	952	1,006	1,082	1,056	1,320	1,328	1,416	1,488	1,362	1,424
Pedestrian	3,655	301	249	261	289	264	228	265	320	336	394	366	382
Other motor vehicle	8,150	518	521	507	543	637	635	809	773	859	838	716	794
Other and not stated	2,550	165	167	184	174	181	193	246	235	221	256	280	248
Noncollision	7,350	456	325	449	558	643	645	722	755	735	729	676	657
Not stated	302	21	14	19	27	30	15	27	27	37	36	26	23

Source: Federal Security Agency, Public Health Service, National Office of Vital Statistics; *Motor-Vehicle Accident Fatalities, 1949.*

21. Transportation, Air and Land

(Sent to print April 10, 1952)

Steam railways.—Because of the long period in which it has been subject to close Federal regulation and the degree of its consolidation, there is an extensive coverage of important statistical items relating to the railway industry. The *Statistics of Railways in the United States*, published annually by the Interstate Commerce Commission since 1888, is the most important source for steam railway statistics. Various other periodical reports are also issued by the Interstate Commerce Commission. The Association of American Railroads supplements official railway statistics with various releases.

The term "steam railways" as used in this section includes electrified divisions operated by such carriers. The total steam railroad mileage of the United States comprises: (a) Regular interstate carriers (and their nonoperating subsidiaries) reporting to the Interstate Commerce Commission; (b) switching and terminal railroads, also reporting to the Commission; and (c) private railroads (defined by the Commission as "circular" because they report on brief circulars and as "unofficial"). Except in certain mileage data the circular and unofficial companies are not included in any of the statistics. The switching and terminal roads were formerly included with operating railways, but are now separated, and data for them do not appear in most of the tables.

Nonoperating subsidiaries include proprietary companies, which are covered by the reports of operating carriers, and lessor companies which have no traffic and whose reports appear only in statistics of capitalization, dividends, and investment.

Operating railways are divided into three classes, according to the amount of their annual operating revenues, class I, having more than $1,000,000 of such revenue; class II, from $100,000 to $1,000,000; and class III, less than $100,000. During recent years more detailed reports are required from class I carriers than from smaller companies. The basis of the figures in each table is indicated by notes. Omission of class II and class III railroads affects very little the comparability of statistics with those of earlier years as regards most items, since the bulk of the business is done by class I.

The Interstate Commerce Commission divides railroads geographically into three districts and eight subsidiary regions. Each railroad is treated as a unit and placed wholly in some one district or region. Broadly speaking, the eastern district includes territory east of Chicago and north of the Ohio and Potomac Rivers; southern district, territory east of the Mississippi River and south of the Ohio and Potomac Rivers; and western district, the remainder of the country.

Electric railways.—The Interstate Commerce Commission issues annually an abstract of the annual reports of electric railways, chiefly interurban, which report to it. The American Transit Association publishes street railway statistics in its annual *Transit Fact Book*. The Bureau of the Census has published a quinquennial report on electric railways from 1902 to 1937. In the more recent years the report also covered affiliated trolley-bus and motor bus operations. The last Census of Electrical Industries was for the year 1937.

Motor carriers.—Statistics of class I for-hire carriers (those with $100,000 or more of gross annual operating revenues) are compiled by the Interstate Commerce Commission from annual and quarterly reports submitted to it by these carriers. Beginning with reports for the year 1950, the Class I minimum became $200,000. This series begins with 1939 data.

The annual review and statistical number of *Bus Transportation*, a McGraw-Hill publication, summarizes operations of common carriers and school busses.

Civil aeronautics.—Federal promotion and regulation of civil aviation are carried out by two bodies—the Civil Aeronautics Administration and the Civil Aeronautics Board. The Civil Aeronautics Board is an independent agency concerned primarily with the issuance of certificates of public necessity, economic regulation, the formula-

tion of safety regulations and the investigation of accidents to civil aircraft. The Civil Aeronautics Administration is an operating agency of the Department of Commerce. Its principal activities are the building and operation of air navigation aids, the enforcement of safety regulations and promotion of a national airport system.

The *Statistical Handbook of Civil Aviation* is published by the Civil Aeronautics Administration. This *Handbook* brings together all official statistical data on the development of civil aviation in the United States, including summaries of statistics published by the Civil Aeronautics Board in *Annual Airline Statistics*. The Civil Aeronautics Administration has also published a detailed historical record of America's aircraft production during the recent war. This publication is entitled *U. S. Military Aircraft Acceptances, 1940–45—Aircraft, Engine, and Propeller Production.*

Historical statistics.—See preface and historical appendix. Tabular headnotes (as "See also *Historical Statistics*, series K 28–33") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789–1945.*

No. 605.—Steam Railways—Mileage Owned and Mileage Operated: 1925 to 1950

[As of Dec. 31. See also *Historical Statistics*, series K 28–33]

Item	1925	1930	1935	1940	1945	1949	1950
Number of operating companies [1]	947	775	661	574	517	481	471
Road owned, first track (miles) [2]	249, 398	249, 052	241, 822	233, 670	226, 696	224, 511	223, 779
Miles operated: [3]							
All railways, road, first track	261, 871	262, 215	254, 347	246, 739	240, 156	237, 798	236, 999
Total, reporting railways [4]	417, 954	429, 883	419, 228	405, 975	398, 054	397, 232	396, 380
Road, first track	258, 631	260, 440	252, 930	245, 740	239, 438	237, 564	236, 857
Other main tracks	40, 962	42, 742	41, 916	41, 373	41, 106	40, 639	40, 456
Yard track and sidings	118, 361	126, 701	124, 382	118, 862	117, 510	119, 029	119, 067
Class I railways, road, first track	236, 848	242, 391	237, 491	232, 524	227, 877	226, 583	226, 101

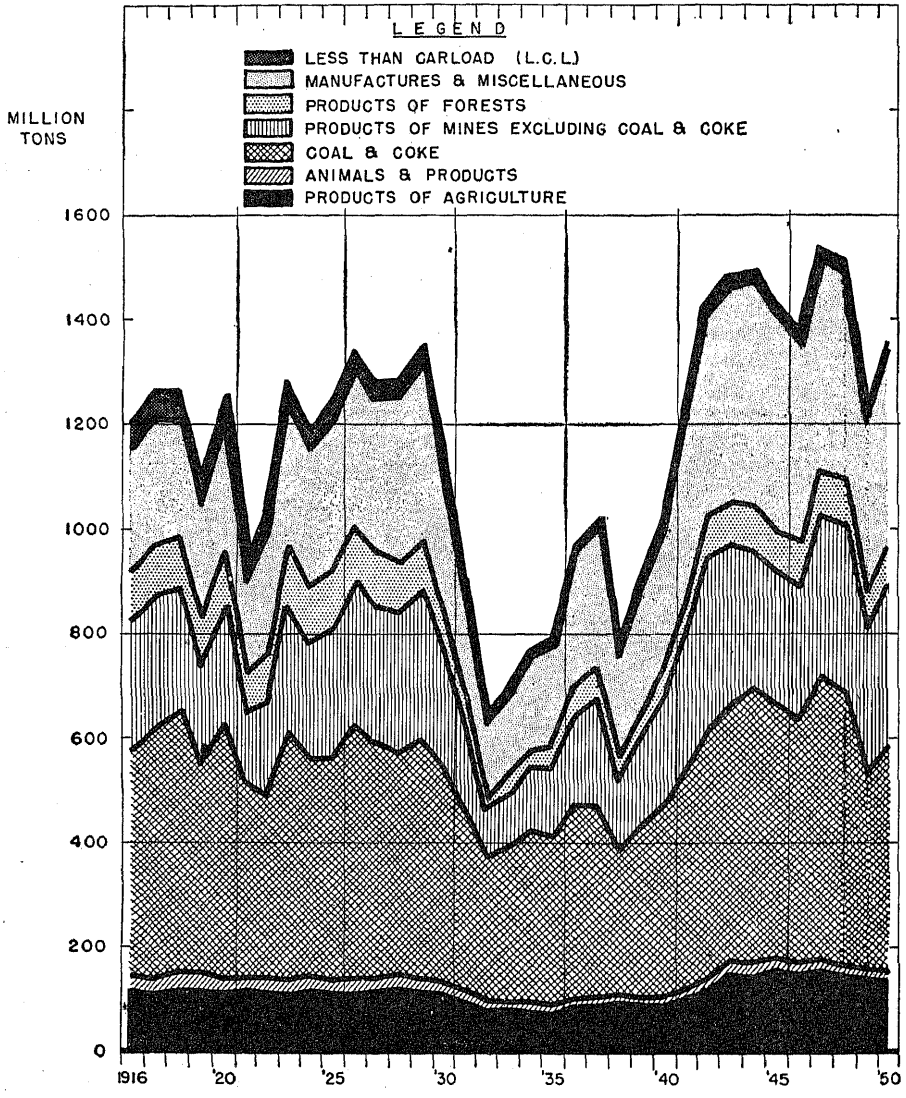
Class of companies	1949			1950		
	Companies	Miles of road		Companies	Miles of road	
		Owned [2]	Operated [3]		Owned [2]	Operated [3]
Total	**1, 070**	**224, 511**	**237, 798**	**1, 038**	**223, 779**	**236, 999**
Class I line-haul operating	128	181, 311	226, 583	127	182, 051	226, 101
Lessors to Class I	188	27, 480	--------	179	26, 705	--------
Class II line-haul operating	170	7, 512	8, 500	171	7, 397	8, 397
Lessors to Class II	6	183	--------	6	183	--------
Class III line-haul operating	175	2, 280	2, 481	166	2, 198	2, 359
Lessors to Class III	8	58	--------	9	70	--------
Switching and terminal	[5] 252	([6])	([6])	[5] 253	([6])	([6])
Proprietary [7]	114	5, 177	--------	100	4, 783	--------
Circular	22	350	137	18	281	108
Unofficial	7	160	97	9	111	34

[1] Classes I, II, III, circular, and unofficial.
[2] First track. Covers continental U. S. only, excluding all duplication.
[3] Includes some duplication under trackage rights and some mileage in Canada operated by U. S. companies.
[4] Excludes circular and unofficial, figures for which cover road, first track only.
[5] Includes 213 operating, 13 lessor, 15 proprietary, 9 circular, and 2 unofficial in 1949, and 215 operating, 13 lessor, 15 proprietary, 9 circular, and 1 unofficial in 1950.
[6] Figures omitted as "miles of road" of switching and terminal companies is not comparable with that of line-haul companies.
[7] Excludes proprietary companies in systems which file consolidated reports combining mileage, investment, and other items on a net system basis.

Source: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States.*

FIG. XXIV.—REVENUE FREIGHT ORIGINATED, CLASS I RAILROADS: 1916 TO 1950

[See table 623]



Source: Association of American Railroads. Data are from Interstate Commerce Commission.

No. 606.—Steam Railways—Summary Statistics: 1890 to 1950

[Includes intercorporate duplications. Unless otherwise noted, covers railways of Classes I, II, and III only, except that prior to 1908 returns for switching and terminal companies were included where applicable. See also *Historical Statistics*, series K 1–83]

Year	Number of operating railways [1]	Mileage: Road owned (first track) [2]	Mileage: Track operated (all track) [3]	Equipment [4]: Locomotives: Number in service	Equipment [4]: Locomotives: Average tractive effort [5]	Equipment [4]: Cars in service: Passenger cars	Equipment [4]: Cars in service: Freight-carrying cars	Equipment [4]: Cars in service: Average capacity of freight cars [5]
June 30:	*Number*	*Miles*	*Miles*	*Number*	*Pounds*	*Number*	*Number*	*Tons*
1890	1,013	163,597	199,875	30,140	--------	26,820	918,491	--------
1895	1,104	180,657	233,275	35,699	--------	33,112	1,196,119	--------
1900	1,224	193,346	258,784	37,663	--------	34,713	1,365,531	--------
1905	1,380	218,101	306,797	48,357	23,666	40,713	1,731,409	30.8
1910	1,306	240,293	351,767	60,019	27,282	47,179	2,148,478	35.9
1915	1,260	253,789	391,141	66,502	31,501	55,810	2,341,567	39.7
Dec. 31:								
1920	1,085	252,845	406,579	68,942	36,365	56,102	2,388,424	42.4
1925	947	249,398	417,954	68,098	40,666	56,814	2,414,083	44.8
1930	775	249,052	429,883	60,189	45,225	53,584	2,322,267	46.9
1935	661	241,822	419,228	49,541	48,367	42,426	1,867,381	48.3
1940	574	233,670	405,975	44,333	50,905	38,308	1,684,171	50.0
1943	534	227,999	398,730	45,406	52,451	38,331	1,784,472	50.7
1944	524	227,335	398,437	46,305	52,822	38,217	1,797,012	50.8
1945	517	226,696	398,054	46,253	53,217	38,633	1,787,073	51.1
1946	513	226,438	398,037	45,511	53,735	38,697	1,768,400	51.3
1947	502	225,806	397,355	44,344	54,506	39,057	1,759,758	51.5
1948	485	225,149	397,203	44,474	55,170	39,406	1,785,067	51.9
1949	481	224,511	397,232	43,272	56,333	38,006	1,778,811	52.4
1950	471	223,779	396,380	42,951	57,075	37,359	1,745,778	52.6

Year	Employment and wages: Number of employees	Employment and wages: Compensation of railroad employees	Capital and property investment (includes lessors): Road and equipment: Investment book value [6] [7]	Road and equipment: Depreciation reserve [8]	Railway capital outstanding [9]	Net capitalization	Stock paying dividends
June 30:	*1,000*	*$1,000*	*$1,000*	*$1,000*	*$1,000,000*	*$1,000,000*	*$1,000*
1890	749	----------	8,133,665	----------	8,984	7,577	1,598,132
1895	785	445,508	9,203,491	----------	10,347	8,900	1,485,618
1900	1,018	577,265	10,263,313	----------	11,491	9,548	2,668,970
1905	1,382	839,945	11,951,349	----------	13,805	11,167	4,119,087
1910	1,699	1,143,725	14,557,816	----------	18,417	14,376	5,412,578
1915	1,548	1,277,663	17,441,420	511,452	21,128	16,308	5,219,847
Dec. 31:							
1920	2,076	3,754,281	19,849,320	1,081,342	21,891	16,994	5,075,040
1925	1,786	2,916,193	23,217,209	1,681,291	23,644	18,191	6,278,532
1930	1,517	2,588,598	26,051,000	2,360,767	24,331	19,066	7,702,021
1935	1,014	1,666,229	25,500,465	2,771,404	24,247	18,342	3,412,968
1940	1,046	1,990,631	25,646,014	3,095,237	23,371	17,630	3,741,132
1943	1,375	3,556,189	26,145,458	3,939,562	22,149	16,755	5,466,566
1944	1,434	3,897,755	26,631,654	4,382,604	21,693	16,276	5,523,271
1945	1,439	3,900,928	26,967,756	5,549,720	20,891	15,667	5,383,158
1946	1,378	4,213,530	27,277,974	5,800,975	20,545	15,509	5,221,681
1947	1,371	4,399,296	27,686,103	6,037,033	20,173	15,301	5,184,182
1948	1,345	4,820,747	28,664,759	6,279,892	20,302	15,467	6,446,317
1949	1,209	4,468,545	29,519,832	6,438,177	20,427	15,609	5,924,295
1950	1,237	4,644,890	30,174,312	6,607,231	20,399	15,618	6,768,658

See footnotes at end of table.

No. 606.—STEAM RAILWAYS—SUMMARY STATISTICS: 1890 TO 1950—Continued

YEAR OR YEARLY AVERAGE	INCOME AND EXPENSES					INTEREST AND DIVIDENDS (includes lessors)	
	Operating revenue	Operating expenses	Railway operating income	Railway tax accruals	Net income (includes lessors)	Dividends declared	Interest accrued on funded debt
June 30:	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000	$1,000
1891–1895	1,127,531	759,588	----------	34,915	93,876	94,093	243,013
1896–1900	1,264,048	832,377	----------	41,970	151,559	104,295	249,548
1901–1905	1,854,682	1,226,737	----------	53,106	321,776	199,752	285,755
1906–1910	2,528,171	1,705,542	[10] 740,607	80,931	478,097	339,685	363,470
1911–1915	3,007,262	2,123,282	760,502	123,345	459,489	401,944	436,178
Dec. 31:							
1916–1920	4,870,468	3,971,453	672,380	227,680	562,892	350,789	480,053
1921–1925	6,003,699	4,684,135	988,751	328,822	562,314	400,389	558,375
1926–1930	6,139,269	4,502,029	1,249,408	386,372	807,103	543,007	582,701
1931–1935	3,473,819	2,622,222	585,346	265,137	29,932	225,072	580,677
1936–1940	4,071,163	2,998,447	719,380	353,335	132,951	198,307	532,413
1941–1945	8,122,360	5,507,771	1,349,035	1,265,554	746,475	268,997	512,508
1946–1950	8,909,102	6,989,656	1,008,253	911,192	598,275	310,937	374,957
1943	9,138,419	5,714,804	1,560,675	1,862,940	946,150	263,919	515,617
1944	9,524,628	6,345,035	1,317,941	1,861,652	733,461	292,248	488,877
1945	8,986,954	7,115,391	1,036,130	835,434	502,250	295,294	449,917
1946	7,709,171	6,422,494	780,197	506,480	334,966	283,171	406,147
1947	8,784,214	6,869,806	965,136	949,273	537,405	280,397	374,150
1948	9,784,332	7,552,630	1,188,666	1,043,036	767,949	335,313	361,879
1949	8,680,791	6,968,296	867,406	845,089	496,103	306,995	365,393
1950	9,587,000	7,135,055	1,239,861	1,212,084	854,951	348,811	367,218

YEAR OR YEARLY AVERAGE	PASSENGER SERVICE			FREIGHT SERVICE					
	Passenger revenue (rail line)	Passenger miles	Revenue per passenger mile	Freight revenue (rail line)	Revenue tons originated	Tons carried 1 mile	Revenue ton miles per mile of road	Revenue per ton-mile	Haul per ton
June 30:	$1,000	1,000,000	Cents	$1,000	Million tons	Million tons	Ton-miles	Cents	Miles
1891–1895	281,415	13,383	2.10	758,930	----------	85,693	506,809	0.886	----------
1896–1900	279,900	13,863	2.02	879,837	[11] 543	113,962	611,128	.772	----------
1901–1905	416,609	20,737	2.01	1,298,714	691	167,715	820,016	.774	242.67
1906–1910	566,815	28,683	1.98	1,744,525	930	228,936	1,006,849	.762	246.10
1911–1915	672,792	33,768	1.99	2,051,625	1,074	277,073	1,104,718	.740	257.95
Dec. 31:									
1916–1920	1,021,536	42,548	2.40	3,419,260	1,326	390,815	1,510,297	.875	294.78
1921–1925	1,112,634	36,869	3.02	4,377,618	1,231	375,468	1,455,589	1.166	304.96
1926–1930	908,341	31,846	2.85	4,690,122	1,365	430,310	1,657,434	1.090	315.34
1931–1935	392,869	18,375	2.14	2,763,961	798	270,192	1,051,083	1.023	339.12
1936–1940	419,760	23,068	1.82	3,313,398	986	341,321	1,370,519	.971	346.13
1941–1945	1,342,958	71,713	1.87	6,221,235	1,482	654,687	2,711,448	.950	439.36
1946–1950	973,786	43,775	2.22	7,236,485	1,466	602,917	2,532,696	1.200	411.23
1943	1,655,814	87,925	1.88	6,865,754	1,557	730,132	3,032,199	.940	469.07
1944	1,793,322	95,663	1.88	7,087,033	1,565	740,586	3,084,195	.957	473.28
1945	1,719,316	91,826	1.87	6,617,213	1,493	684,148	2,852,615	.967	458.14
1946	1,261,416	64,754	1.95	5,866,351	1,432	594,943	2,488,499	.986	415.48
1947	965,005	45,972	2.10	7,140,881	1,613	657,878	2,752,915	1.085	407.82
1948	965,630	41,224	2.34	8,090,194	1,580	641,104	2,695,708	1.262	405.64
1949	862,139	35,133	2.45	7,151,237	1,284	520,111	2,229,430	1.352	412.02
1950	814,741	31,790	2.56	7,933,764	1,421	591,550	2,496,927	1.341	416.32

[1] Includes circular and unofficial companies. [2] Includes lessors, proprietary, circular, and unofficial companies.
[3] For railways reporting track by class. Excludes circular and unofficial, figures for which cover road, first track only.
[4] Includes switching and terminal companies except as noted.
[5] Since 1916 represents steam locomotives and freight cars of class I railways, excluding switching and terminal companies.
[6] Includes lessor companies since 1921; for 1925 and subsequent years, also includes proprietary companies except those which are part of systems filing consolidated annual reports.
[7] Increase in investment over a period of years cannot be obtained accurately by subtraction of 1 year's investment from that of another owing to reorganization, sale, or abandonment reclassification, etc.
[8] Includes depreciation on "Miscellaneous physical property" for years prior to 1920. Amortization of defense projects included subsequent to 1940.
[9] Includes actually outstanding, nominally issued, and nominally outstanding securities, and equipment obligations. [10] Average for 1908–1910. [11] Average for 1899 and 1900.

Source: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States*.

No. 607.—Steam Railways—Miles of Road Owned, by States: 1860 to 1950

[Data are for actual length of line in each State without duplication. Figures relate to June 30 prior to 1920 and Dec. 31 thereafter; they include reporting circular, and unofficial railways, but beginning with 1910 exclude switching and terminal roads. See also *Historical Statistics*, series K 1, 2, and 29 for annual U. S. totals]

STATE	1860 [1]	1870 [1]	1880 [1]	1890	1900	1910 [2]	1920	1930	1940	1950
United States [3]	30,626	52,922	93,267	163,597	193,346	240,439	252,845	249,052	233,670	223,779
New England	3,660	4,494	5,982	6,718	7,521	7,921	7,942	7,596	6,677	6,396
Maine	472	786	1,005	1,338	1,915	2,248	2,295	2,193	1,882	1,830
New Hampshire	661	736	1,015	1,145	1,239	1,246	1,252	1,165	1,002	936
Vermont	554	614	914	921	1,012	1,100	1,077	1,056	919	889
Massachusetts	1,264	1,480	1,915	2,094	2,119	2,115	2,106	2,022	1,793	1,726
Rhode Island	108	136	210	213	212	212	211	191	194	185
Connecticut	601	742	923	1,007	1,024	1,000	1,001	969	887	830
Middle Atlantic	5,840	9,709	13,832	18,161	20,709	21,980	22,293	21,752	20,175	19,180
New York	2,682	3,928	5,957	7,661	8,121	8,430	8,390	8,312	7,739	7,493
New Jersey	560	1,125	1,684	2,047	2,257	2,260	2,352	2,299	2,108	1,992
Pennsylvania	2,598	4,656	6,191	8,453	10,331	11,290	11,551	11,141	10,328	9,695
South Atlantic	5,976	7,349	9,789	18,270	23,362	29,795	32,380	31,644	29,475	27,924
Delaware	127	197	275	323	347	335	335	325	295	295
Dist. of Columbia	(4)	(4)	(4)	30	32	36	36	36	35	34
Maryland	386	671	1,040	1,231	1,376	1,426	1,436	1,443	1,367	1,309
Virginia	1,379	1,486	1,893	3,160	3,779	4,535	4,703	4,516	4,261	4,073
West Virginia	352	387	691	1,328	2,228	3,601	3,996	4,046	3,831	3,719
North Carolina	937	1,178	1,486	3,001	3,831	4,932	5,522	5,161	4,668	4,435
South Carolina	973	1,139	1,427	2,194	2,818	3,442	3,814	3,780	3,466	3,223
Georgia	1,420	1,845	2,459	4,532	5,652	7,056	7,326	6,671	6,334	6,043
Florida	402	446	518	2,471	3,299	4,432	5,212	5,666	5,218	4,793
East North Central	9,583	14,701	25,109	36,924	41,007	44,928	44,904	43,770	41,281	39,851
Ohio	2,946	3,538	5,792	7,912	8,807	9,134	9,002	8,804	8,501	8,418
Indiana	2,163	3,177	4,373	5,971	6,471	7,420	7,426	7,106	6,889	6,652
Illinois	2,790	4,823	7,851	10,214	11,003	11,878	12,188	12,500	11,949	11,643
Michigan	779	1,638	3,938	7,243	8,195	9,021	8,734	8,072	7,303	6,803
Wisconsin	905	1,525	3,155	5,584	6,531	7,475	7,554	7,288	6,639	6,335
West North Central	1,472	8,046	19,094	38,354	42,988	49,730	52,180	51,400	48,293	47,108
Minnesota	--------	1,092	3,151	5,466	6,943	8,669	9,114	8,779	8,421	8,333
Iowa	655	2,683	5,400	8,356	9,185	9,755	9,808	9,698	8,950	8,585
Missouri	817	2,900	3,965	6,004	6,875	8,083	8,117	7,897	7,042	6,735
North Dakota	--------	[5] 65	[5] 1,225	1,941	2,731	4,201	5,311	5,275	5,266	5,256
South Dakota	--------	(6)	(6)	2,486	2,850	3,948	4,276	4,238	4,006	3,958
Nebraska	--------	705	1,953	5,295	5,685	6,067	6,166	6,174	6,044	5,800
Kansas	--------	1,501	3,400	8,806	8,719	9,007	9,388	9,339	8,564	8,441
East South Central	3,392	4,656	6,343	11,144	13,343	17,074	17,754	17,452	16,179	15,574
Kentucky	534	1,017	1,530	2,746	3,060	3,526	3,929	4,054	3,691	3,641
Tennessee	1,253	1,492	1,843	2,752	3,137	3,816	4,078	3,940	3,573	3,471
Alabama	743	1,157	1,843	3,314	4,226	5,226	5,378	5,249	4,996	4,723
Mississippi	862	990	1,127	2,332	2,920	4,506	4,369	4,209	3,919	3,739
West South Central	680	1,417	5,044	13,782	18,221	31,122	32,972	33,227	31,497	29,771
Louisiana	335	450	652	1,759	2,824	5,554	5,223	4,654	4,357	4,079
Texas	307	711	3,244	8,613	9,886	14,282	16,125	17,069	16,356	15,611
Oklahoma	--------	--------	289	1,214	2,151	5,980	6,572	6,678	6,302	5,977
Arkansas	38	256	859	2,196	3,360	5,306	5,052	4,826	4,482	4,104
Mountain	--------	1,466	5,082	12,676	15,808	22,956	25,170	24,973	23,518	22,101
Montana	--------	--------	106	2,181	3,010	4,207	5,072	5,228	5,149	5,059
Wyoming	--------	459	512	942	1,229	1,645	1,931	2,036	2,008	1,925
Colorado	--------	157	1,570	4,176	4,587	5,533	5,519	4,972	4,552	4,273
New Mexico	--------	--------	758	1,324	1,753	3,032	2,972	2,973	2,812	2,496
Arizona	--------	--------	349	1,097	1,512	2,097	2,478	2,494	2,228	2,197
Utah	--------	257	842	1,090	1,547	1,986	2,161	2,196	2,082	1,788
Nevada	--------	593	739	925	909	2,277	2,160	2,109	1,941	1,650
Idaho	--------	--------	206	941	1,261	2,179	2,877	2,965	2,746	2,713
Pacific	23	1,084	2,992	7,567	10,389	14,932	17,248	17,238	16,575	15,874
Washington	--------	--------	289	1,783	2,914	4,875	5,587	5,542	5,243	5,124
Oregon	--------	159	508	1,428	1,724	2,285	3,305	3,456	3,385	3,217
California	23	925	2,195	4,356	5,751	7,772	8,356	8,240	7,947	7,533
Alaska Territory	--------	--------	--------	--------	22	390	246	790	536	567
Hawaii Territory	--------	--------	--------	--------	--------	175	243	232	192	25

[1] Represents mileage operated.
[2] Revised total 240,293 not distributed by States.
[3] Totals exclude Alaska and Hawaii.
[4] Included in returns for Maryland.
[5] Figures for Dakota.
[6] For total Dakota, see North Dakota.

Source: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States*.

No. 608.—Steam Railways (All Reporting Companies)—Equipment in Service: 1925 to 1950

["All reporting companies" include switching and terminal but not circular and unofficial lines. Data for tractive effort and capacity of cars exclude switching roads, also smaller roads during recent years; they would not be materially different if all carriers were included. Excludes the large number of cars owned by private car lines. See also *Historical Statistics*, series K 34–38]

Year ending Dec. 31—	Locomotives								Freight-carrying cars [3]			Passenger-train cars
	Total number [1]	Steam			Electric locomotive units	Diesel electric locomotive units			Total number (1,000)	Capacity [2]		
		Number	Tractive effort [2]			Number	Tractive effort [2]			Aggregate (1,000 tons)	Average (tons)	
			Aggregate (1,000 lb.)	Average (lb.)			Aggregate (1,000 lb.)	Average (lb.)				
1925	68,098	67,713	2,586,868	40,666	379	1	(4)	(4)	2,414	105,570	44.8	56,814
1930	60,189	59,406	2,526,940	45,225	663	77	(4)	(4)	2,322	106,180	46.9	53,584
1935	49,541	48,477	2,206,201	48,367	884	130	(4)	(4)	1,867	88,677	48.3	42,426
1939	45,172	43,604	2,072,110	50,395	879	639	(4)	(4)	1,681	82,002	49.7	38,977
1940	44,333	42,410	2,038,284	50,905	900	967	43,939	55,130	1,684	82,722	50.0	38,308
1941	44,375	41,911	2,029,425	51,217	895	1,517	69,347	54,733	1,733	85,682	50.3	38,334
1942	44,671	41,755	2,046,064	51,811	892	1,978	91,589	54,942	1,774	88,187	50.5	38,446
1943	45,406	41,983	2,083,618	52,451	907	2,476	117,300	55,200	1,784	88,968	50.7	38,331
1944	46,305	41,921	2,096,046	52,822	902	3,432	171,957	56,398	1,797	89,960	50.8	38,217
1945	46,253	41,018	2,067,639	53,217	885	4,301	213,193	55,868	1,787	89,872	51.1	38,633
1946	45,511	39,592	2,017,807	53,735	867	5,008	248,129	55,872	1,768	89,391	51.3	38,697
1947	44,344	36,942	1,913,593	54,506	864	6,495	326,255	56,524	1,760	89,225	51.5	39,057
1948	44,474	34,581	1,815,860	55,170	867	8,981	455,287	56,285	1,785	91,294	51.9	39,406
1949	43,272	30,344	1,631,633	56,333	856	12,025	617,506	56,714	1,779	91,961	52.4	38,006
1950	42,951	26,680	1,463,413	57,075	827	15,396	807,523	57,487	1,746	90,465	52.6	37,359

[1] Includes locomotives other than classes shown.
[2] Class I roads.
[3] Excludes caboose cars.
[4] Not available.

No. 609.—Steam Railways—Cars in Service, by Class: 1935 to 1950

["All operating companies" include switching and terminal companies but not circular and unofficial lines. Excludes cars owned by private car lines, roughly equaling one-tenth of those owned by railway companies]

Class	All operating companies					Class I, 1950			
	1935	1940	1945	1949	1950	Total	Eastern district	Southern district	Western district
Freight train cars:									
Steel [1]	809,612	956,004	1,153,145	1,330,275	1,335,676	1,335,676	634,031	335,843	365,802
Steel underframe [1]	908,252	640,428	570,513	409,647	374,532	374,532	69,234	71,543	233,755
Freight carrying cars	**1,867,381**	**1,684,171**	**1,787,073**	**1,778,811**	**1,745,778**	**1,721,269**	**703,640**	**409,723**	**607,906**
Box	812,776	708,682	745,901	722,926	718,150	714,568	267,409	132,454	314,705
Flat	83,405	65,752	71,092	66,578	67,712	64,886	8,901	16,209	39,776
Stock	68,455	54,674	54,484	48,486	46,381	46,334	6,612	3,623	36,099
Gondola and hopper (open and closed tops)	793,776	809,538	874,553	902,101	874,801	859,030	417,902	251,210	189,918
Tank	9,266	8,836	9,030	8,895	8,436	7,729	3	109	7,617
Refrigerator	26,703	21,772	21,001	19,680	19,083	19,076	920	925	17,231
Other	73,000	14,917	11,012	10,145	11,215	9,646	1,893	5,193	2,560
Caboose cars	24,994	22,216	25,198	24,743	24,205	23,356	8,941	4,990	9,425
Passenger-train cars	**42,426**	**38,308**	**38,633**	**38,006**	**37,359**	**37,146**	**19,693**	**5,529**	**11,924**
Steel [1]	28,951	29,897	31,838	33,248	33,220	33,220	17,842	4,828	10,550
Steel underframe [1]	8,394	6,442	5,576	4,143	3,651	3,651	1,789	654	1,208
Coaches	(2)	17,470	17,668	16,806	16,488	16,421	9,951	2,175	4,295
Combination coach	(2)	3,207	2,748	2,482	2,331	2,233	1,214	343	676
Parlor and sleeping [3]	(2)	422	731	568	437	437	141	47	249
Dining	(2)	1,535	1,552	1,803	1,836	1,835	701	334	800
Club, lounge, and observation	(2)	370	278	411	430	430	68	59	303
Postal	(2)	1,829	1,701	1,756	1,770	1,770	904	259	607
Baggage, express, and other nonpassenger	(2)	13,087	13,671	13,919	13,817	13,786	6,662	2,280	4,844
Other passenger	(2)	105	26	18	20	18	6	12	--------
Other passenger-train	(2)	283	258	243	230	216	46	20	150
Heavy type company service equipment	79,584	77,811	90,056	95,499	95,547	93,650	28,999	18,936	45,715
Motor cars and trailers	4,545	4,081	3,820	3,643	3,697	3,697	3,005	357	335

[1] Data represent class I roads only; figures exclude caboose cars.
[2] No comparable data available.
[3] Excludes cars owned or leased by Pullman Co.

Source of tables 608 and 609: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States*.

No. 610.—Steam Railways (Class I)—Equipment Installed and Permanently Withdrawn From Service: 1935 to 1950

[Includes owned and leased equipment]

YEAR	LOCOMOTIVES		FREIGHT-TRAIN CARS		PASSENGER-TRAIN CARS	
	New units installed	Units permanently withdrawn [1]	New units installed	Units permanently withdrawn [1]	New units installed	Units permanently withdrawn [1]
1935	139	1,966	6,987	109,539	225	2,075
1936	98	1,644	37,554	113,582	159	988
1937	441	973	69,118	81,451	576	842
1938	252	1,129	15,213	60,827	275	1,009
1939	298	1,660	23,236	74,229	209	790
1940	421	1,260	60,455	54,846	154	754
1941	632	718	76,392	26,693	297	587
1942	716	579	58,595	15,257	273	364
1943	891	268	28,000	13,516	8	255
1944	1,245	519	38,970	24,589	104	223
1945	901	1,110	37,132	44,247	111	375
1946	712	1,424	38,823	52,713	481	521
1947	1,398	2,739	55,543	62,594	858	736
1948	2,350	2,377	95,979	69,363	951	803
1949	2,884	4,099	80,815	85,577	939	923
1950	3,215	3,495	40,032	72,669	1,078	1,188

[1] Permanently withdrawn for sale or demolition.

Source: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States.*

No. 611.—Steam Railways (Class I)—Fuel Consumption and Rail and Tie Replacements: 1925 to 1950

[Excludes rails and ties laid in new construction. Short ton is 2,000 pounds; long ton 2,240 pounds]

CLASS	ALL DISTRICTS						
	1925	1930	1935	1940	1945	1949	1950
Consumption of fuel by steam locomotives:							
Anthracite ... 1,000 short tons	2,174	1,140	508	286	139	51	41
Bituminous coal ... do	117,714	98,400	71,335	79,628	115,154	62,230	55,410
Fuel oil ... 1,000 gallons	2,457,827	2,366,569	1,998,176	2,502,868	4,413,072	2,543,207	2,277,220
Other fuel equivalent, 1,000 short tons	----	----	----	34	32	28	39
Total, coal equivalent,[1] 1,000 short tons	**[2] 135,420**	**[2] 114,458**	**[2] 84,783**	**96,067**	**143,806**	(3)	(3)
Rails laid in replacement and betterment:							
Total tonnage ... 1,000 long tons	3,485	2,674	1,159	1,912	2,956	2,209	2,191
Total charges [4] ... 1,000 dollars	126,487	98,521	36,218	64,516	106,010	125,376	124,894
Ties laid in previously constructed tracks:							
Cross ties ... thousands	82,717	63,354	44,326	43,621	43,912	30,285	30,494
Switch and bridge ties, 1,000 board feet	[5] 282,630	235,315	156,536	145,553	130,520	107,793	98,400
Total charges [4] ... 1,000 dollars	[5] 120,644	94,207	52,370	59,047	97,908	92,960	92,912

CLASS	1949			1950		
	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Consumption of fuel by steam locomotives:						
Anthracite ... 1,000 short tons	51	----	----	41	----	----
Bituminous ... do	28,714	16,606	16,910	26,315	15,148	13,947
Fuel oil ... 1,000 gallons	14,312	28,019	2,500,876	12,717	27,253	2,237,250
Other fuel equivalent ... 1,000 short tons	1	----	27	1	----	38
Total, coal equivalent[1] ... 1,000 short tons	(3)	(3)	(3)	(3)	(3)	(3)
Rails laid in replacement and betterment:						
Total tonnage ... 1,000 long tons	618	577	1,014	584	587	1,020
Total charges [4] ... 1,000 dollars	34,032	32,023	59,321	32,862	33,011	59,021
Ties laid in previously constructed tracks:						
Cross ties ... thousands	7,314	8,349	14,622	8,190	8,123	14,181
Switch and bridge ties ... 1,000 board feet	31,016	29,229	47,548	27,994	26,931	43,475
Total charges [4] ... 1,000 dollars	25,617	25,267	42,076	28,066	24,216	40,630

[1] Ratio of fuel oil to coal left to experience of each road.
[2] Includes equivalent of a small amount of miscellaneous fuel.
[3] Not available.
[4] Excludes labor cost of applying rails or ties.
[5] Excludes 1,435 linear feet of steel ties.

Source: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States.*

No. 612.—Steam Railways—Stock Outstanding, Dividends, and Interest: 1891 to 1950

[For years ending June 30 prior to 1916, calendar years thereafter. Includes nonoperating as well as operating roads. Excludes switching and terminal roads beginning with 1908. Dividend figures throughout cover all classes of roads, but interest figure for 1913 excludes unimportant class III roads. Amount of stock shown in first column is exclusive of stock held by issuing company, but includes that held by other railway companies. See also *Historical Statistics*, series K 67, 80, and 81]

Year or yearly average	Stock			Dividends			Interest accrued on funded debt (1,000 dol.)
	Actually outstanding (1,000 dol.)	Paying dividends (1,000 dol.)	Percent paying dividends	Amount declared (1,000 dol.)	Percent on stock paying dividends	Percent on all stock outstanding	
1891–1895	----------	1,737,048	----------	94,093	5.42	----------	243,013
1896–1900	----------	1,977,832	----------	104,295	5.27	----------	249,548
1901–1905	----------	3,505,694	----------	199,752	5.70	----------	285,755
1906–1910	----------	4,930,368	----------	339,685	6.89	----------	363,470
1911–1915	8,561,050	5,595,888	65.36	401,944	7.18	4.70	436,178
1916–1920	8,866,429	5,310,622	59.90	350,789	6.61	3.96	480,053
1921–1925	9,131,529	5,669,613	62.09	400,389	7.06	4.38	558,375
1926–1930	9,697,138	7,108,596	73.31	543,007	7.64	5.60	582,701
1931–1935	9,992,404	4,113,651	41.17	225,072	5.47	2.25	580,677
1936–1940	9,814,851	3,511,140	35.77	198,307	5.65	2.02	532,413
1941–1945	9,460,110	5,118,116	54.10	268,997	5.26	2.84	512,508
1946–1950	9,256,362	5,909,027	63.84	310,937	5.26	3.36	374,957
1945	9,423,342	5,383,158	57.13	295,294	5.49	3.13	449,917
1946	9,408,536	5,221,681	55.50	283,171	5.42	3.01	406,147
1947	9,225,219	5,184,182	56.20	280,397	5.41	3.04	374,150
1948	9,241,600	6,446,317	69.75	335,313	5.20	3.63	361,879
1949	9,222,322	5,924,295	64.24	306,995	5.18	3.33	365,393
1950	9,184,132	6,768,658	73.70	348,811	5.15	3.80	367,218

No. 613.—Steam Railways—Securities Actually Outstanding: 1930 to 1950

[**All figures in thousands of dollars.** Capital actually outstanding represents securities in hands of public or of railway companies other than those issuing same; excludes securities held by or for issuing company. Excludes switching and terminal companies]

Security and year ending Dec. 31—	All railroads				Class I	Class II	Class III	Nonoperating subsidiaries
	All districts	Eastern district	Southern district	Western district				
Total:								
1930	22,782,889	9,128,919	3,658,575	9,995,395	19,006,276	349,079	64,814	3,362,720
1935	22,079,551	9,210,379	3,401,012	9,468,160	18,530,040	300,476	53,426	3,195,609
1940	21,047,280	8,910,221	3,344,555	8,792,504	17,761,161	237,786	44,147	3,004,186
1944	19,402,593	8,239,475	3,025,482	8,137,636	16,480,870	208,611	28,836	2,684,276
1945	18,681,292	8,074,078	2,839,008	7,768,206	16,030,795	207,822	27,088	2,415,587
1946	18,449,437	8,026,132	2,834,629	7,588,676	15,928,644	200,968	25,131	2,294,694
1947	18,050,122	7,855,370	2,953,752	7,241,000	15,583,640	196,580	23,338	2,246,564
1948	18,249,091	7,859,760	3,108,486	7,280,845	15,820,784	190,373	23,029	2,214,905
1949	18,342,568	7,872,303	3,148,435	7,321,830	15,906,875	187,486	22,505	2,225,702
1950	18,273,631	7,811,310	3,112,420	7,349,901	15,959,385	178,995	21,319	2,113,932
Stock:								
1930	10,011,538	4,290,108	1,461,628	4,259,802	8,267,129	207,556	45,068	1,491,785
1935	9,925,202	4,325,471	1,431,397	4,168,334	8,218,994	194,922	38,217	1,473,069
1940	9,769,974	4,364,337	1,441,969	3,963,668	8,159,960	162,720	31,765	1,415,529
1945	9,423,342	4,029,886	1,398,890	3,994,566	8,008,565	150,861	21,024	1,242,892
1949	9,222,322	3,767,685	1,457,940	3,996,697	7,880,154	140,244	19,184	1,182,740
1950	9,184,132	3,734,695	1,449,690	3,999,747	7,892,586	135,833	18,096	1,137,617
Funded debt:								
1930	12,771,351	4,838,811	2,196,947	5,735,593	10,739,147	141,523	19,746	1,870,935
1935	12,154,349	4,884,908	1,969,615	5,299,826	10,311,046	105,554	15,209	1,722,540
1940	11,277,306	4,545,884	1,902,586	4,828,836	9,601,201	75,066	12,382	1,588,657
1945	9,257,950	4,044,192	1,440,118	3,773,640	8,022,230	56,961	6,064	1,172,695
1949	9,120,246	4,104,618	1,690,495	3,325,133	8,026,721	47,242	3,321	1,042,962
1950	9,089,499	4,076,615	1,662,730	3,350,154	8,066,799	43,162	3,223	976,315
1950								
Common stock	7,207,462	3,199,829	1,217,396	2,790,237	6,034,912	125,070	17,788	1,029,692
Preferred stock	1,976,670	534,866	232,294	1,209,510	1,857,674	10,763	308	107,925
Mortgage bonds	7,135,126	3,194,607	1,294,870	2,645,649	6,152,435	35,569	3,104	944,018
Collateral trust bonds	204,027	128,693	17,290	58,044	196,325	1,322	--------	6,380
Unsecured bonds (debentures)	304,080	79,385	42,924	181,771	296,729	1,319	--------	6,032
Miscellaneous obligations	24,062	16,353	7,243	466	16,793	2,792	61	4,416
Equipment obligations	1,422,204	657,577	300,403	464,224	1,404,517	2,160	58	15,469

Source of tables 612 and 613: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States*.

No. 614.—Steam Railways (All Reporting Companies)—Capitalization and Capital Expenditures: 1890 to 1950

[**In millions of dollars, except as indicated.** Excludes switching and terminal companies beginning with 1910; their total capitalization in 1950 was $788,371,000. Includes both operating and nonoperating railways. Gross figures include considerable amounts of securities held by companies issuing them as well as larger amounts held by other railway companies. See also *Historical Statistics*, series K 62–66 and 68–70]

YEAR	TOTAL CAPITALIZATION				HELD BY RAILROADS		NET CAPITALIZATION		CAPITAL EXPENDITURES FOR ADDITIONS AND BETTERMENTS [1]	
	Total	Common stock	Preferred stock	Funded debt	Stock	Funded debt	Total	Per mile of road	Equipment	Roadway and structures
June 30:								*Dollars*	*$1,000*	*$1,000*
1890	8,984	3,803	606	4,575	964	443	7,577			
1900	11,491	4,522	1,323	5,646	1,470	473	9,548			
1910	18,417	6,710	1,403	10,304	2,555	1,486	14,376	62,819		
Dec. 31:										
1920	21,891	7,215	1,898	12,778	2,407	2,490	16,994	68,787		
1925	23,644	7,602	1,937	14,105	2,654	2,799	18,191	74,460	338,114	410,077
1930	24,331	8,009	2,074	14,248	2,897	2,368	19,066	77,343	328,269	544,339
1935	24,247	7,987	2,036	14,224	3,022	2,883	18,342	76,389	79,335	108,967
1938	23,855	8,040	2,049	13,766	3,067	2,800	17,988	76,449	115,408	111,529
1939	23,609	8,025	2,050	13,534	3,084	2,827	17,698	75,701	133,388	128,641
1940	23,371	8,005	2,064	13,302	3,048	2,693	17,630	75,839	271,906	157,241
1941	22,952	7,832	1,980	13,140	2,808	2,576	17,568	76,139	367,568	175,453
1942	22,742	7,882	1,959	12,901	2,880	2,547	17,315	75,974	349,374	185,523
1943	22,149	7,842	1,936	12,371	2,857	2,537	16,755	74,162	255,981	198,301
1944	21,693	7,790	2,023	11,880	2,849	2,568	16,276	72,037	328,231	231,881
1945	20,891	7,743	2,004	11,144	2,739	2,485	15,667	69,654	314,779	248,201
1946	20,545	7,733	1,980	10,832	2,699	2,337	15,509	68,982	319,017	242,940
1947	20,173	7,539	2,003	10,631	2,540	2,332	15,301	68,161	565,901	298,788
1948	20,302	7,543	2,016	10,743	2,644	2,191	15,467	68,930	917,449	356,035
1949	20,427	7,519	2,012	10,896	2,612	2,206	15,609	69,751	981,320	330,880
1950	20,399	7,492	2,002	10,905	2,514	2,267	15,618	69,984	779,399	286,443

[1] Class I railways.

Source: Capital expenditures through 1950: Association of American Railroads, Bureau of Railway Economics; *Railroad Transportation*. Other data: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States*.

No. 615.—Steam Railways—Investment, Income, and Dividends: 1910 to 1950

[**All figures, except as indicated, in thousands of dollars.** Excludes data for switching and terminal companies. Investment is as reported by carrier and should not be confused with tentative valuation fixed by Interstate Commerce Commission. See also *Historical Statistics*, series K 60, 61, and 77 for earlier data on investment and net operating income]

YEAR ENDING DEC. 31—	Investment book value [1]	Investment per mile of road	Depreciation reserve [2]	Net railway operating income	Return on investment	Other income [3]	Interest, rents, and other deductions [3]	Dividends declared [3]
		Dollars			*Percent*			
1910, June 30	[4] 14,557,816	64,382		805,097	5.53	222,915	511,417	351,202
1920	19,849,320	81,954	1,081,342	12,101	.06	([5])	[6] 640,516	275,348
1925	23,217,209	94,917	1,681,291	1,136,728	4.89	272,102	706,272	349,089
1930	26,051,000	105,661	2,360,767	874,154	3.36	361,196	716,730	511,259
1935	25,500,465	106,339	2,771,404	505,415	1.98	186,228	686,688	131,448
1939	25,538,157	109,331	3,102,779	595,961	2.33	162,599	665,054	129,386
1940	25,646,014	110,449	3,095,237	690,554	2.69	170,794	670,257	166,506
1941	25,668,984	111,352	3,240,145	1,009,592	3.93	178,066	683,002	189,750
1942	25,838,351	113,364	3,561,570	1,499,364	5.80	184,245	737,185	206,118
1943	26,145,458	115,288	3,939,562	1,370,568	5.24	202,969	667,257	220,522
1944	26,631,654	117,771	4,382,604	1,113,153	4.18	213,082	640,423	249,592
1945	26,967,756	119,664	5,549,720	858,864	3.18	206,993	589,073	249,581
1946	27,277,974	121,074	5,800,975	624,868	2.29	211,983	548,819	237,605
1947	27,686,103	123,215	6,037,033	790,534	2.86	230,980	536,442	240,733
1948	28,664,759	127,625	6,279,892	1,014,815	3.54	237,410	544,784	295,101
1949	29,519,832	131,784	6,438,177	693,957	2.35	256,934	508,408	257,192
1950	30,174,312	135,076	6,607,231	1,055,309	3.50	267,850	527,342	319,116

[1] Includes proprietary companies. Increase in investment over a period of years cannot be obtained accurately by subtraction of 1 year's investment from that of another owing to reorganization, sale or abandonment, reclassification, etc.

[2] Amortization of defense projects included subsequent to 1940. [3] Excludes returns for lessor companies.

[4] Investment originally published is increased by $170,000,000, estimated reserve for accrued depreciation, to make figures comparable with those of other years.

[5] Figure not comparable on account of Federal control accounting requirements.

[6] Excludes returns for class II and class III companies.

Source: Interstate Comerce Commission; mannual report, *Statistics of Railways in the United States*.

No. 616.—Steam Railways—Revenues, Expenses, and Income: 1936 to 1950

[Method of calculating net revenue and net operating income is more fully shown in table 618. Excludes switching and terminal companies; operating revenues of switching and terminal companies: 1947, $188,560,000; 1948, $217,306,000; 1949, $203,884,000; 1950, $233,092,000; operating expenses: 1947, $138,057,000; 1948, $154,442,000; 1949, $148,288,000; 1950, $158,995,000. See also *Historical Statistics*, series K 71–79]

ITEM	ALL ROADS						
	1936–40, average	1941–45, average	1946–50, average	1947	1948	1949	1950
Average miles of line (first track) operated	249,100	241,723	238,023	238,975	237,824	237,330	236,911
Income account items ($1,000):							
Operating revenues	4,071,163	8,122,360	8,909,102	8,784,214	9,784,332	8,680,791	9,587,000
Per mile of line (dollars)	16,343	33,602	37,430	36,758	41,141	36,577	40,467
Operating expenses	2,998,447	5,507,771	6,989,656	6,869,806	7,552,630	6,968,296	7,135,055
Percent of revenue	73.65	67.81	78.46	78.21	77.19	80.27	74.42
Net revenue from operations	1,072,716	2,614,589	1,919,445	1,914,408	2,231,702	1,712,495	2,451,945
Per mile of line (dollars)	4,306	10,816	8,064	8,011	9,384	7,216	10,350
Tax accruals	353,335	1,265,554	911,192	949,273	1,043,036	845,089	1,212,084
Net railway operating income	587,364	1,170,308	835,897	790,534	1,014,815	693,957	1,055,309

ITEM	CLASS I							
	Total		Eastern district		Southern district		Western district	
	1949	1950	1949	1950	1949	1950	1949	1950
Average miles of line (first track) operated	226,546	226,296	53,458	53,333	46,026	46,084	127,062	126,879
Income account items ($1,000):								
Operating revenues	8,580,142	9,473,093	3,320,372	3,639,383	1,659,643	1,861,990	3,600,127	3,971,720
Per mile of line (dollars)	37,874	41,862	62,112	68,239	36,059	40,404	28,334	31,303
Operating expenses	6,891,819	7,059,276	2,755,135	2,889,551	1,315,603	1,333,180	2,821,081	2,836,545
Percent of revenue	80.32	74.52	82.98	79.40	79.27	71.60	78.36	71.42
Net revenue from operations	1,688,323	2,413,817	565,237	749,832	344,040	528,810	779,046	1,135,175
Per mile of line (dollars)	7,452	10,667	10,573	14,059	7,475	11,475	6,131	8,947
Tax accruals	832,538	1,194,615	276,784	360,558	185,717	283,131	370,037	550,926
Net railway operating income	686,487	1,039,706	211,921	303,467	159,440	256,030	315,126	480,209

Source: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States.*

No. 617.—Steam Railways—Receiverships and Trusteeships: 1884 to 1950

YEAR (CALENDAR, EXCEPT AS NOTED)	UNDER RECEIVERSHIP END OF YEAR [1]		PLACED UNDER RECEIVERSHIP			YEAR (CALENDAR, EXCEPT AS NOTED)	UNDER RECEIVERSHIP END OF YEAR [1]		PLACED UNDER RECEIVERSHIP		
	Number	Mileage operated	Number	Miles	Stocks and long-term debt (1,000 dollars)		Number	Mileage operated	Number	Miles	Stocks and long-term debt (1,000 dollars)[2]
1884	------	--------	37	11,038	714,755	1939 [3]	108	77,013	3	734	78,869
1885	------	--------	44	8,836	385,460	1940 [3]	108	75,270	1	24	33
1890	------	--------	26	2,963	105,007	1941 [3]	91	69,859	1	[4] 25	250
1895	169	37,856	31	4,089	369,075	1942 [3]	87	66,904	4	[4] 974	83,329
1900	52	4,178	16	1,165	78,234	1943 [3]	82	64,758	2	[4] 14	5,522
1905	26	796	10	3,593	176,321	1944 [3]	76	50,497	3	[4] 22	3,854
1910	39	5,257	7	735	51,428	1945 [3]	72	39,714	1	[4] 96	7,012
1915	85	30,223	12	20,143	1,070,809	1946 [3]	65	34,389	------	--------	--------
1920	61	16,290	10	541	21,620	1947 [3]	52	22,750	2	[4] 31	425
1925	53	18,687	6	11,368	680,422	1948 [3]	46	13,283	4	[4] 29	7,078
1930	30	9,486	4	4,752	277,324	1949 [3]	44	12,679	2	[4] 441	115,572
1935 [3]	87	68,345	13	27,124	2,168,871	1950 [3]	42	12,223	------	--------	--------

[1] Data relate to June 30 prior to 1916, Dec. 31 thereafter.
[2] Beginning 1939, includes receivers and trustees certificates and nonnegotiable debt to affiliated companies.
[3] Includes roads under trusteeship.
[4] Owned mileage for recent years as follows: 1941, 25; 1942, 709; 1943, 171; 1944, 98; 1945, 118; 1947, 365; 1948, 163; 1949, 420; 1950, none.

Source: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States* for first 2 columns and all data beginning with 1935; *The Railway Age*, Chicago, for other data.

No. 618.—Steam Railways (Class I)—Income Account of Operating Roads: 1936 to 1950

[In thousands of dollars. Excludes switching and terminal companies.]

ITEM	1936–40, average	1941–45, average	1946–50, average	1947	1948	1949	1950
Revenues	4,015,180	8,041,257	8,807,505	8,684,918	9,671,722	8,580,142	9,473,093
Freight	3,266,554	6,141,351	7,133,906	7,041,185	7,976,285	7,048,240	7,817,263
Passenger	419,049	1,340,485	972,191	963,322	964,303	860,744	813,417
Mail	97,924	120,887	219,188	170,182	199,939	222,771	374,046
Express	55,433	113,958	97,444	115,836	117,631	79,524	81,465
All other transportation	83,902	118,078	140,231	135,815	154,035	139,169	149,303
All other	92,318	206,498	244,545	258,578	259,529	229,694	237,599
Expenses	2,956,063	5,451,293	6,915,562	6,797,264	7,472,035	6,891,819	7,059,276
Maintenance, way, etc	466,882	1,036,465	1,256,226	1,212,096	1,348,000	1,283,529	1,287,265
Maintenance, equipment	774,225	1,475,776	1,608,996	1,558,010	1,702,944	1,607,333	1,707,936
Traffic	104,492	127,962	184,158	176,311	193,821	194,351	191,556
Transportation	1,439,204	2,538,462	3,483,358	3,476,434	3,821,198	3,415,794	3,491,072
All other	171,260	272,628	382,824	374,413	406,072	390,812	381,447
Net revenue from railway operations	1,059,117	2,589,964	1,891,943	1,887,654	2,199,687	1,688,323	2,413,817
Deduct—							
Tax accruals	347,655	1,252,963	898,044	936,395	1,028,527	832,538	1,194,615
Equipment rents	95,338	134,979	128,930	128,664	131,264	131,032	140,358
Joint facility rents	35,847	41,819	39,166	41,901	37,885	38,266	39,138
Net railway operating income	580,277	1,160,203	825,803	780,694	1,002,011	686,487	1,039,706
Net income or deficit after charges	84,250	678,516	537,160	478,875	698,057	438,158	783,572

ITEM	EASTERN DISTRICT			SOUTHERN DISTRICT			WESTERN DISTRICT		
	1948	1949	1950	1948	1949	1950	1948	1949	1950
Revenues	3,823,663	3,320,372	3,639,383	1,902,010	1,659,643	1,861,990	3,946,049	3,600,127	3,971,720
Freight	3,035,317	2,601,052	2,874,913	1,627,800	1,412,782	1,597,858	3,313,168	3,034,406	3,344,492
Passenger	494,884	453,451	430,204	150,107	132,188	121,030	319,312	275,105	262,183
Mail	71,103	81,281	135,897	36,211	40,146	65,503	92,625	101,344	172,646
Express	38,277	21,413	26,278	20,027	14,135	14,200	59,327	43,976	40,987
All other transportation	67,829	60,198	63,765	20,140	18,694	20,775	66,066	60,277	64,763
All other	116,253	102,977	108,326	47,725	41,698	42,624	95,551	85,019	86,649
Expenses	3,063,407	2,755,135	2,889,551	1,447,817	1,315,603	1,333,180	2,960,811	2,821,081	2,836,545
Maintenance, way, etc	500,246	447,778	467,100	278,749	263,664	266,597	569,005	572,087	553,568
Maintenance, equipment	722,624	654,557	730,043	342,834	315,986	325,811	637,486	636,790	652,082
Traffic	66,928	66,208	64,734	42,000	40,743	40,191	84,893	87,400	86,631
Transportation	1,617,977	1,438,008	1,482,617	704,941	619,747	626,537	1,498,280	1,358,039	1,381,918
All other	155,632	148,584	145,057	79,293	75,463	74,044	171,147	166,765	162,346
Net revenue from railway operations	760,256	565,237	749,832	454,193	344,040	528,810	985,238	779,046	1,135,175
Deduct—									
Tax accruals	348,511	276,784	360,558	231,351	185,717	283,131	448,665	370,037	550,926
Equipment rents	59,228	58,075	67,673	[1] 16,711	[1] 6,993	[1] 16,191	88,747	79,890	88,876
Joint facility rents	18,037	18,457	18,134	5,501	5,816	5,840	14,347	13,993	15,164
Net railway operating income	334,480	211,921	303,467	234,052	159,440	256,030	433,479	315,126	480,209
Net income or deficit after charges	181,054	88,741	181,458	172,694	99,649	202,171	344,309	249,768	399,943

[1] Deficit.

Source: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States*.

No. 619.—Steam Railways (Class I)—Railway Tax Accruals, by States: 1930 to 1950

[Excludes switching and terminal companies and includes nonoperating subsidiaries. Total railroad taxes, Federal and State in 1950, by classes, were as follows: Class I and subsidiaries, $1,196,262,851 (including $3,351-024 Canadian, $1,297,674 Mexican, $299 Cuban, and $6 Great Britain taxes); Class II and subsidiaries, $15,385,605; Class III and subsidiaries, $2,105,321; switching and terminal companies, $47,328,515; grand total, $1,261,082,292]

STATE	AMOUNT (thousands of dollars)						PER MILE OF LINE (dollars)			
	1930	1935	1940	1945	1949	1950	1940	1945	1949	1950
Total	349,207	238,372	397,391	822,868	833,202	1,191,615	1,809	3,834	3,897	5,585
U. S. Government taxes	40,986	26,796	183,546	551,004	519,517	868,037	836	2,568	--------	--------
New England:										
Maine	1,908	1,232	1,161	1,795	2,132	1,909	636	1,001	1,217	1,090
New Hampshire	1,125	718	538	523	633	627	550	565	693	690
Vermont	407	413	258	286	308	310	361	402	428	430
Massachusetts	4,709	3,964	3,832	4,414	4,590	5,004	2,147	2,574	2,694	2,938
Rhode Island	687	664	635	798	843	770	3,567	4,585	4,817	4,402
Connecticut	1,672	711	946	1,416	1,159	1,288	1,071	1,626	1,403	1,559
Middle Atlantic:										
New York	27,378	23,685	24,156	29,878	33,234	34,594	3,276	4,070	4,602	4,801
New Jersey	20,442	17,520	19,793	30,901	16,070	16,162	10,395	16,767	8,815	8,930
Pennsylvania	12,440	9,342	10,754	9,378	11,797	12,539	1,098	986	1,266	1,350
South Atlantic:										
Delaware	166	151	150	154	177	179	509	522	601	607
Dist. of Columbia	144	138	224	253	351	364	6,410	7,429	10,326	10,711
Maryland	2,076	1,748	2,110	3,523	3,895	3,678	1,879	3,179	3,528	3,334
Virginia	7,318	5,192	5,500	7,811	10,106	9,383	1,358	1,999	2,612	2,430
West Virginia	8,109	8,229	8,096	7,870	9,982	10,291	2,288	2,273	2,855	2,940
North Carolina	5,392	3,696	4,110	4,907	4,363	5,091	1,131	1,362	1,215	1,381
South Carolina	3,489	2,396	1,937	2,548	2,094	2,421	629	845	694	816
Georgia	3,966	2,434	2,519	3,146	3,990	5,414	472	593	756	1,035
Florida	4,964	3,039	2,132	3,046	4,405	4,470	445	731	974	990
East North Central:										
Ohio	19,928	10,452	11,063	12,722	15,906	16,124	1,320	1,534	1,919	1,945
Indiana	13,852	6,520	6,278	7,488	10,181	10,416	946	1,141	1,552	1,588
Illinois	22,084	13,610	12,900	19,040	22,387	24,127	1,103	1,640	1,938	2,094
Michigan	10,816	5,346	5,035	5,538	6,459	5,751	742	853	1,000	891
Wisconsin	7,201	4,921	4,455	4,581	5,701	5,437	683	728	909	871
West North Central:										
Minnesota	6,778	4,291	6,529	9,871	11,412	12,209	815	1,210	1,400	1,498
Iowa	8,026	3,804	2,986	3,388	5,614	5,196	334	386	644	606
Missouri	4,284	3,336	2,757	2,900	4,464	5,262	399	424	663	785
North Dakota	4,110	2,114	2,559	2,954	4,771	4,903	499	568	920	945
South Dakota	2,696	2,191	1,063	1,115	1,645	1,665	267	282	416	421
Nebraska	4,622	3,060	2,978	3,689	5,219	5,519	493	634	900	952
Kansas	8,871	6,232	5,327	6,322	9,582	9,801	623	750	1,141	1,167
East South Central:										
Kentucky	5,373	3,552	5,048	5,380	7,053	7,336	1,411	1,553	1,998	2,080
Tennessee	3,629	2,558	2,841	5,784	6,796	6,600	844	1,767	2,079	2,020
Alabama	3,681	2,378	2,736	3,592	4,201	3,886	611	819	965	893
Mississippi	5,047	2,937	3,079	3,962	4,708	4,639	840	1,110	1,334	1,316
West South Central:										
Louisiana	5,098	4,087	3,854	4,318	4,803	5,093	1,001	1,169	1,314	1,394
Texas	7,614	5,487	5,250	5,562	6,942	7,174	359	388	485	501
Oklahoma	6,468	3,667	3,723	4,277	5,722	5,886	603	726	972	1,005
Arkansas	3,025	2,290	2,038	2,880	3,383	3,828	497	722	927	1,051
Mountain:										
Montana	5,178	4,460	4,068	4,058	6,262	6,380	809	815	1,257	1,281
Wyoming	1,970	1,671	1,715	1,970	2,831	2,834	925	1,110	1,594	1,596
Colorado	4,271	3,363	3,021	4,026	5,632	5,977	748	1,009	1,432	1,526
New Mexico	2,785	1,883	1,758	2,019	2,007	2,148	651	824	829	887
Arizona	3,100	3,055	2,597	3,154	4,306	5,228	1,276	1,554	2,127	2,583
Utah	2,404	2,243	2,309	2,956	3,200	3,083	1,135	1,605	1,789	1,733
Nevada	1,970	1,756	1,813	1,819	2,232	2,126	1,073	1,229	1,514	1,442
Idaho	3,244	2,516	2,524	2,949	4,043	4,027	942	1,111	1,527	1,521
Pacific:										
Washington	7,430	3,882	3,346	4,734	5,719	5,458	684	952	1,151	1,098
Oregon	3,064	2,413	2,297	2,673	4,863	5,187	767	901	1,652	1,773
California	13,210	6,229	7,047	13,496	15,512	15,783	1,018	2,023	2,252	2,296

Source: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States.*

No. 620.—Steam-Railway Freight Service—Summary Statistics: 1936 to 1950

[Excludes switching and terminal roads except as noted. Tons of 2,000 pounds. See also *Historical Statistics*, series K 43-52]

ITEM	ALL ROADS						
	1936-1940, average	1941-1945, average	1946-1950, average	1947	1948	1949	1950
Freight revenue, rail line ($1,000)	3,313,398	6,221,235	7,236,485	7,140,881	8,090,194	7,151,237	7,933,764
Per train-mile [1]	$6.95	$9.29	$12.72	$11.43	$13.64	$14.14	$15.18
Per loaded car-mile (cents) [1]	23.6	27.9	35.7	32.9	38.6	39.5	39.8
Revenue tons originated (1,000)	986,094	1,481,798	1,466,130	1,613,148	1,580,480	1,284,197	1,420,891
Total revenue tons carried (1,000)	1,778,746	2,925,421	2,781,640	3,039,365	2,997,976	2,425,123	2,710,919
Tons carried 1 mile:							
Revenue freight (millions)	341,322	654,687	602,917	657,878	641,104	529,111	591,550
Revenue ton-miles per mile of road	1,370,519	2,711,448	2,532,696	2,752,915	2,695,708	2,229,430	2,496,927
Revenue per ton-mile (cents) [2]	.971	.950	1.200	1.085	1.262	1.352	1.341
Freight-train miles (1,000)	478,402	666,694	569,388	625,104	593,448	506,407	522,816
Freight-train car-miles:							
Loaded (revenue and nonrevenue) (1,000)	13,882,934	21,969,322	20,051,850	21,490,484	20,745,520	17,947,564	19,735,505
Empty (1,000)	8,371,016	11,938,016	10,427,275	10,860,301	10,858,378	10,205,987	10,195,410
Average miles per car per day [1 3]		46.2	42.8	45.7	44.1	39.3	42.5
Revenue ton-miles per train-mile	713	977	1,059	1,052	1,080	1,045	1,131
Ton miles per loaded car-mile [4]	24.6	29.7	30.1	30.6	30.9	29.5	30.0
Haul per ton:							
U. S. as a system (miles)	346.13	439.36	411.23	407.82	405.64	412.02	416.32
Individual railway (miles)	191.89	222.44	216.75	216.45	213.85	218.18	218.21
Revenue per ton:							
U. S. as a system	$3.36	$4.20	$4.94	$4.43	$5.12	$5.57	$5.58
Individual railway	$1.86	$2.13	$2.60	$2.35	$2.70	$2.95	$2.93

ITEM	CLASS I							
	Total		Eastern district		Southern district		Western district	
	1949	1950	1949	1950	1949	1950	1949	1950
Freight revenue, rail line ($1,000)	7,048,240	7,817,263	2,601,052	2,874,913	1,412,782	1,597,858	3,034,406	3,344,492
Per train-mile	$14.14	$15.18	$16.92	$17.76	$12.95	$14.12	$12.87	$13.94
Per loaded car-mile (cents)	39.5	39.8	45.6	45.9	39.3	39.8	35.4	35.7
Revenue tons originated (1,000)	1,226,503	1,354,196	458,544	502,239	313,073	367,067	454,886	484,890
Total revenue tons carried (1,000)	2,303,080	2,570,153	1,028,445	1,148,872	519,356	603,779	755,279	817,502
Tons carried 1 mile:								
Revenue freight (millions)	526,500	588,578	176,291	198,354	117,900	135,094	232,309	255,130
Revenue and nonrevenue (millions)	558,987	619,945	184,671	206,397	125,165	142,436	249,151	271,112
Revenue ton-miles per mile of road	2,321,799	2,598,236	3,293,011	3,713,659	2,556,849	2,925,647	1,828,044	2,010,454
Revenue per ton mile (cents) [2]	1.339	1.329	1.477	1.451	1.198	1.183	1.306	1.311
Freight-train miles (1,000)	498,573	514,971	153,731	161,888	109,112	113,137	235,730	239,946
Freight-train car miles:								
Loaded (revenue and nonrevenue) (1,000)	17,866,445	19,644,438	5,713,891	6,273,036	3,592,686	4,014,968	8,559,868	9,356,434
Empty (1,000)	10,155,389	10,139,511	3,301,905	3,207,412	2,178,097	2,250,717	4,675,387	4,681,382
Average miles per car per day [3]	39.3	42.5	29.9	31.6	38.8	45.2	50.4	53.4
Revenue ton-miles per train-mile	1,068	1,157	1,166	1,247	1,088	1,203	996	1,074
Ton miles per loaded car-mile [5]	31.3	31.6	32.3	32.9	34.8	35.6	29.1	29.1
Haul per ton:								
U. S. as a system (miles)	429.3	434.6	384.5	394.9	376.6	368.0	510.7	526.2
Individual railway (miles)	228.6	229.0	171.4	172.7	227.0	223.7	307.6	312.1
Revenue per ton:								
U. S. as a system	$5.75	$5.77	$5.67	$5.72	$4.51	$4.35	$6.67	$6.90
Individual railway	$3.06	$3.04	$2.53	$2.51	$2.72	$2.65	$4.02	$4.09

[1] Class I roads only.
[2] Based on freight revenue from rail-line operations.
[3] Includes switching and terminal companies.
[4] Based on revenue ton miles; nonrevenue ton miles not available for all roads.
[5] Based on revenue and nonrevenue ton miles.

Source: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States*.

No. 621.—Steam Railways—Passengers Carried and Passenger Revenue: 1936 to 1950

[Passenger service revenue per train-mile includes revenue from mail, express, etc., but average revenue per passenger-mile is computed only from revenue from passengers themselves. See also *Historical Statistics*, series K 39–42]

ITEM	ALL ROADS						
	1936–40, average	1941–45, average	1946–50, average	1947	1948	1949	1950
Passengers carried (thousands)	471, 362	772, 393	638, 334	706, 551	645, 535	556, 741	488, 019
Passengers carried 1 mile (millions)	23, 068	71, 713	43, 775	45, 972	41, 224	35, 133	31, 790
Average journey per passenger (miles)	48. 94	92. 85	68. 58	65. 07	63. 86	63. 11	65. 14
Passenger train-miles (thousands)	403, 715	453, 217	403, 855	417, 500	409, 371	382, 213	359, 055
Passenger train car-miles (thousands)	2, 992, 350	4, 167, 194	3, 791, 382	3, 818, 297	3, 790, 476	3, 572, 525	3, 450, 642
Passenger revenue ($1,000)	419, 760	1, 342, 958	973, 786	965, 005	965, 630	862, 139	814, 741
Passenger service train revenue per train-mile [1]	1. 49	3. 58	3. 29	3. 09	3. 23	3. 13	3. 61
Revenue per passenger per mile (cents)	1. 82	1. 87	2. 22	2. 10	2. 34	2. 45	2. 56
Average passengers per train	57	158	109	110	101	92	89

ITEM	CLASS I							
	Total		Eastern district		Southern district		Western district	
	1949	1950	1949	1950	1949	1950	1949	1950
Passengers carried (thousands)	554, 430	486, 194	403, 610	348, 523	64, 749	58, 026	86, 071	79, 645
Passengers carried 1 mile (millions)	35, 095	31, 760	17, 352	15, 199	5, 370	4, 925	12, 373	11, 636
Average journey per passenger (miles)	63. 30	65. 32	42. 99	43. 61	82. 93	84. 87	143. 75	146. 10
Passenger train-miles (thousands)	380, 254	357, 545	151, 864	139, 593	66, 986	61, 527	161, 404	156, 425
Passenger train car-miles (thousands)	3, 567, 434	3, 446, 482	1, 401, 052	1,310,903	643, 013	612, 519	1,523,369	1, 523, 060
Passenger revenue ($1,000)	860, 648	813, 355	453, 339	430, 117	132, 188	121, 030	275, 121	262, 208
Passenger service train revenue per train-mile	3. 13	3. 61	3. 76	4. 34	2. 82	3. 31	2. 66	3. 09
Revenue per passenger per mile (cents)	2. 45	2. 56	2. 61	2. 83	2. 46	2. 46	2. 22	2. 25
Average passengers per train	92	89	1. 14	109	80	80	77	74

[1] Based on data for class I roads only.

Source: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States*.

No. 622.—Steam Railways (Class I)—Operating Revenues, Freight and Passenger Revenue, and Freight Ton-Miles, by Months: 1925 to 1951

[Except at times of general revisions in freight rates, changes in freight revenue closely parallel those of ton-mileage. Excludes class I switching and terminal companies]

YEAR	Average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	TOTAL OPERATING REVENUES (millions of dollars)												
1925	510. 2	479. 2	450. 1	481. 1	468. 6	483. 5	501. 7	517. 1	549. 9	559. 9	585. 3	527. 4	518. 7
1930	440. 1	446. 3	423. 2	447. 7	445. 9	457. 6	439. 7	451. 8	461. 0	462. 2	478. 0	394. 3	373. 9
1935	287. 5	264. 2	254. 9	280. 9	274. 7	279. 5	281. 3	275. 3	294. 0	306. 9	341. 0	301. 3	296. 1
1940	358. 2	345. 6	313. 6	327. 1	321. 6	343. 5	345. 0	366. 2	381. 5	382. 7	413. 7	375. 5	381. 9
1944	786. 4	740. 7	735. 3	797. 0	759. 5	804. 1	799. 5	809. 0	836. 2	799. 2	818. 7	780. 7	756. 9
1945	741. 6	750. 9	712. 8	812. 9	778. 6	822. 6	819. 9	795. 7	754. 9	678. 9	697. 0	661. 2	613. 7
1946	635. 6	641. 0	579. 1	646. 2	566. 6	532. 6	612. 0	674. 1	710. 3	660. 4	710. 0	658. 2	637. 7
1947	724. 0	685. 6	636. 2	718. 7	690. 3	725. 4	697. 8	706. 0	746. 0	727. 1	794. 8	755. 9	804. 3
1948	806. 0	750. 7	715. 9	776. 6	729. 0	796. 4	838. 1	842. 0	868. 1	844. 8	878. 1	825. 3	806. 6
1949	714. 4	730. 7	675. 8	739. 1	747. 3	741. 1	735. 5	700. 7	742. 8	695. 3	649. 2	704. 8	710. 8
1950	789. 4	657. 0	584. 9	743. 3	713. 8	745. 4	779. 2	772. 2	889. 8	872. 0	925. 4	862. 2	927. 9
1951	865. 9	848. 7	715. 8	875. 5	851. 4	888. 7	855. 8	816. 8	909. 9	855. 9	965. 6	903. 9	902. 7
	FREIGHT REVENUE (millions of dollars)												
1930	340. 3	338. 0	327. 0	345. 2	345. 6	354. 1	331. 4	347. 1	354. 5	363. 3	385. 5	310. 9	280. 7
1935	233. 0	211. 5	206. 5	229. 2	222. 6	224. 9	225. 8	221. 1	235. 7	250. 6	285. 4	248. 7	234. 4
1940	294. 8	283. 1	257. 7	266. 7	265. 3	284. 7	280. 7	300. 7	310. 7	316. 1	348. 2	315. 2	308. 4
1945	544. 2	558. 4	536. 8	622. 8	593. 9	626. 0	610. 7	589. 2	547. 3	488. 3	492. 3	463. 7	401. 2
1949	586. 8	594. 8	559. 2	616. 1	620. 3	615. 9	599. 5	562. 8	606. 0	569. 8	535. 2	587. 1	575. 7
1950	651. 4	537. 3	482. 0	630. 5	601. 8	634. 7	649. 2	639. 7	748. 1	725. 0	784. 5	710. 8	673. 6
1951	719. 5	709. 7	600. 2	741. 0	722. 0	752. 6	710. 7	674. 0	758. 8	716. 4	816. 2	743. 3	689. 3

No. 622.—Steam Railways (Class I)—Operating Revenues, Freight and Passenger Revenue, and Freight Ton-Miles, by Months—Continued

YEAR	Average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	PASSENGER REVENUE (millions of dollars)												
1930	60.8	70.5	61.3	61.8	59.6	60.4	67.2	65.8	67.4	59.1	52.4	48.7	55.4
1935	29.8	30.5	27.3	27.7	27.2	27.1	31.0	31.6	33.9	30.8	28.6	27.8	34.4
1940	34.8	36.1	31.9	33.3	30.0	29.7	35.9	37.7	41.0	36.1	33.5	31.2	40.8
1945	143.0	139.2	125.9	133.6	129.2	138.9	152.2	150.7	153.3	140.1	146.5	145.6	161.1
1949	71.7	81.5	67.4	67.6	68.7	67.9	77.1	82.6	78.6	69.8	61.0	63.8	74.4
1950	67.8	69.7	57.8	59.6	60.6	56.8	71.7	76.0	78.2	71.6	66.3	65.9	79.3
1951	75.0	78.2	63.8	70.6	66.8	70.7	80.6	80.6	83.8	74.1	71.1	71.8	88.2
	FREIGHT TON-MILES (millions) [1]												
1930	35,179	36,718	34,347	35,301	34,900	36,573	34,417	35,595	37,423	36,232	39,294	32,310	29,034
1935	26,031	24,967	24,124	27,598	23,340	24,672	25,951	23,174	25,938	27,731	31,218	27,482	26,179
1940	33,820	32,518	29,662	31,118	29,909	33,081	32,900	33,716	36,406	37,060	38,614	35,955	34,903
1945	60,504	60,676	58,924	68,224	65,215	68,631	66,558	64,696	60,487	56,078	53,260	53,453	49,844
1949	46,746	49,197	45,360	46,719	50,218	51,630	47,973	44,992	48,366	44,231	40,554	46,036	45,190
1950	51,883	41,793	36,383	50,937	49,687	51,155	51,865	51,982	59,415	57,941	61,980	54,817	54,608
1951	56,578	56,510	48,367	59,069	56,908	58,764	56,643	53,284	60,017	58,131	61,838	56,740	52,664

[1] Revenue and nonrevenue.

Source: Interstate Commerce Commission; monthly reports, *Operating Revenues and Operating Expenses of Class I Steam Railways* and *Operating Statistics of Class I Steam Railways*.

No. 623.—Steam Railways (Class I)—Revenue Freight Originated, By Commodity Groups: 1930 to 1950

[**In thousands of tons of 2,000 pounds.** Excludes switching and terminal roads. Excludes nonrevenue freight; this is a large item in the case of a few commodities, notably coal. See also *Historical Statistics*, series K 52–59]

ITEM	1930	1935	1940	1945	1947	1948	1949	1950
Total	**1,153,197**	**789,627**	**1,009,421**	**1,424,913**	**1,537,546**	**1,506,878**	**1,226,503**	**1,354,196**
Products of agriculture	110,728	76,338	88,821	159,571	158,168	145,176	140,383	129,175
Animals and their products	23,129	15,125	15,456	23,748	19,716	16,865	15,284	14,321
Products of mines:								
Coal and coke	407,937	320,628	372,663	485,109	543,012	527,162	376,914	439,365
Other	234,600	124,508	197,557	247,832	304,795	318,478	276,845	307,443
Products of forests	69,371	42,483	58,221	75,604	87,027	86,104	69,257	78,860
Manufactures and miscellaneous	277,765	196,506	262,010	412,216	402,267	394,827	335,228	374,144
All less than carload	29,667	14,039	14,693	20,833	22,561	18,266	12,592	10,888

ITEM	EASTERN DISTRICT		SOUTHERN DISTRICT		WESTERN DISTRICT	
	1949	1950	1949	1950	1949	1950
Total	458,544	502,239	313,073	367,067	454,886	484,890
Products of agriculture	27,535	23,699	17,326	16,105	95,522	89,371
Animals and their products	3,387	3,377	1,719	1,614	10,179	9,330
Products of mines:						
Coal and coke	190,357	213,368	148,147	183,858	38,409	42,139
Other	58,253	64,642	58,618	66,936	159,974	175,865
Products of forests	3,639	3,980	27,172	32,134	38,446	42,746
Manufactures and miscellaneous	169,319	188,024	57,274	63,941	108,635	122,179
All less than carload	6,054	5,149	2,817	2,479	3,721	3,260

Source: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States*.

No. 624.—Steam Railways (Class I)—Number of Cars of Revenue Freight Loaded, by Principal Commodities: 1925 to 1951

[In thousands. Figures are 52-week totals]

YEAR	Total	Grain and grain products	Live-stock	Coal	Coke	Forest products	Ore	Miscellaneous	Mdse., less than carload
1925	51, 224	2, 306	1, 636	8, 905	623	3, 737	2, 012	18, 813	13, 193
1930	45, 878	2, 265	1, 285	7, 927	488	2, 369	1, 662	17, 681	12, 201
1933	29, 220	1, 660	887	5, 695	298	1, 101	743	10, 390	8, 446
1934	30, 846	1, 646	1, 074	6, 135	333	1, 149	793	11, 474	8, 241
1935	31, 504	1, 577	714	6, 145	340	1, 384	1, 036	12, 227	8, 081
1936	36, 109	1, 805	759	6, 937	480	1, 683	1, 623	14, 546	8, 276
1937	37, 670	1, 789	722	6, 977	508	1, 828	2, 208	15, 174	8, 466
1938	30, 457	1, 967	703	5, 541	275	1, 418	846	12, 026	7, 682
1939	33, 911	1, 940	694	6, 083	414	1, 584	1, 615	13, 751	7, 831
1940	36, 358	1, 835	685	6, 820	549	1, 800	2, 148	14, 842	7, 679
1941	42, 352	2, 028	651	7, 606	679	2, 190	2, 683	18, 476	8, 040
1942	42, 771	2, 185	745	8, 356	732	2, 445	3, 016	19, 755	5, 537
1943	42, 440	2, 648	838	8, 507	752	2, 229	2, 816	19, 571	5, 080
1944	43, 408	2, 521	892	8, 890	751	2, 271	2, 649	20, 007	5, 428
1945	41, 918	2, 734	894	8, 296	695	2, 039	2, 474	19, 258	5, 529
1946	41, 341	2, 497	925	8, 004	587	2, 263	1, 996	18, 744	6, 325
1947	44, 502	2, 726	770	9, 088	732	2, 415	2, 651	20, 049	6, 071
1948	42, 719	2, 468	630	8, 690	739	2, 348	2, 701	19, 686	5, 457
1949	35, 911	2, 583	551	6, 218	588	1, 952	2, 210	17, 220	4, 589
1950	38, 903	2, 466	491	7, 240	727	2, 226	2, 529	18, 955	4, 269
1951	40, 497	2, 588	497	7, 503	837	2, 364	3, 004	19, 838	3, 866

Source: Association of American Railroads, Car Service Division, Washington, D. C.; annual summary, *Cars of Revenue Freight Loaded*. Weekly reports are published currently.

No. 625.—Steam Railways—Number and Compensation of Employees: 1920 to 1950

[Excludes switching and terminal companies. See also *Historical Statistics*, series K 82-83]

YEAR	All operating carriers		Class I carriers					
	Average number of employees	Total yearly compensation (1,000 dollars)	Average number of employees	Total hours (thousands)	Total yearly compensation (1,000 dollars)	Average hours per employee	Average compensation: Per hour [1]	Average compensation: Per year
1920	2, 075, 886	3, 754, 281	2, 022, 832	5, 446, 741	3, 681, 801	2, 692. 6	$0. 676	$1, 820
1925	1, 786, 411	2, 916, 193	1, 744, 311	4, 531, 361	2, 860, 600	2, 597. 8	. 631	1, 640
1930	1, 517, 043	2, 588, 598	1, 487, 839	3, 759, 772	2, 550, 789	2, 527. 0	. 678	1, 714
1933	990, 839	1, 424, 392	971, 196	2, 233, 045	1, 403, 841	2, 299. 3	. 629	1, 445
1934	1, 027, 426	1, 541, 313	1, 007, 702	2, 393, 899	1, 519, 352	2, 375. 6	. 635	1, 508
1935	1, 013, 654	1, 666, 229	994, 371	2, 397, 353	1, 643, 879	2, 410. 9	. 686	1, 653
1936	1, 086, 405	1, 873, 819	1, 065, 624	2, 675, 345	1, 848, 636	2, 510. 6	. 691	1, 735
1937	1, 136, 912	2, 013, 677	1, 114, 663	2, 799, 539	1, 985, 447	2, 511. 6	. 709	1, 781
1938	958, 280	1, 771, 083	939, 171	2, 329, 606	1, 746, 141	2, 480. 5	. 750	1, 859
1939	1, 006, 711	1, 889, 130	987, 675	2, 488, 635	1, 863, 334	2, 519. 7	. 749	1, 887
1940	1, 045, 738	1, 990, 631	1, 026, 848	2, 615, 905	1, 964, 125	2, 547. 5	. 751	1, 913
1941	1, 159, 025	2, 360, 369	1, 139, 925	2, 989, 788	2, 331, 650	2, 622. 8	. 780	2, 045
1942	1, 290, 818	2, 966, 062	1, 270, 687	3, 440, 957	2, 932, 070	2, 708. 0	. 852	2, 307
1943	1, 374, 518	3, 556, 189	1, 355, 114	3, 816, 420	3, 520, 926	2, 816. 3	. 923	2, 598
1944	1, 434, 167	3, 897, 755	1, 414, 776	3, 996, 873	3, 857, 957	2, 825. 1	. 965	2, 727
1945	1, 438, 545	3, 900, 928	1, 419, 505	3, 979, 637	3, 862, 001	2, 803. 5	. 970	2, 721
1946	1, 377, 700	4, 213, 530	1, 359, 263	3, 632, 338	4, 170, 767	2, 672. 3	1. 148	3, 068
1947	1, 370, 510	4, 399, 296	1, 351, 863	3, 613, 296	4, 352, 047	2, 672. 3	1. 204	3, 219
1948	1, 345, 076	4, 820, 747	1, 326, 597	3, 545, 081	4, 768, 828	2, 672. 3	1. 345	3, 595
1949	1, 209, 102	4, 468, 545	1, 192, 019	3, 018, 736	4, 418, 790	2, 532. 5	1. 464	3, 707
1950	1, 236, 879	4, 644, 890	1, 220, 401	2, 876, 591	4, 594, 423	2, 357. 1	1. 597	3, 765

[1] Calculated for all classes of employees, including those not paid on an hourly basis.

Source: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States*.

No. 626.—Steam Railways (Class I)—Number and Compensation of Employees, by Districts and by Class: 1949 and 1950

[For years ending Dec. 31. Includes class I switching and terminal companies]

District or class	Average number of employees		Total compensation (1,000 dollars)		Average per day or hour, straight time		Average per month, total compensation	
	1949	1950	1949	1950	1949	1950	1949	1950
DISTRICT								
All employees, all districts	1,236,825	1,267,815	4,592,481	4,778,876				
Daily basis	97,042	96,872	486,896	490,894	$16.00	$17.46	$418	$422
Hourly basis	1,139,783	1,170,943	4,105,585	4,287,982	1.381	1.512	300	305
Eastern district	506,451	523,205	1,885,352	1,999,913				
Daily basis	41,577	41,685	203,416	204,921	15.81	17.44	408	410
Hourly basis	464,874	481,520	1,681,936	1,794,992	1.407	1.538	302	311
Southern district	234,403	234,971	844,068	866,803				
Daily basis	18,351	18,025	96,111	96,674	16.37	17.54	436	447
Hourly basis	216,052	216,946	747,957	770,129	1.346	1.474	288	296
Western district	495,971	509,639	1,863,061	1,912,160				
Daily basis	37,114	37,162	187,369	189,299	16.01	17.44	421	424
Hourly basis	458,857	472,477	1,675,692	1,722,861	1.370	1.503	304	304
CLASS								
Executives, officials, and staff assistants	16,009	15,845	129,865	130,085				
Daily basis	16,009	15,845	129,865	130,085	26.05	27.89	676	684
Professional, clerical, and general	214,267	212,425	766,425	769,565				
Daily basis	41,959	41,447	183,980	183,436	14.60	16.20	365	369
Hourly basis	172,308	170,978	582,445	586,129	1.390	1.566	282	286
Maintenance of way and structures	240,504	243,389	691,632	711,390				
Daily basis	4,740	4,845	23,521	24,399	15.76	16.86	414	420
Hourly basis	235,764	238,544	668,111	686,991	1.197	1.353	236	240
Maintenance of equipment and stores	331,701	359,040	1,159,997	1,252,323				
Daily basis	11,424	11,415	58,639	60,252	15.71	17.30	428	440
Hourly basis	320,277	347,625	1,101,358	1,192,071	1.387	1.555	287	286
Transportation (other than train service, engine, and yard)	155,170	156,468	529,663	548,247				
Daily basis	16,486	16,688	55,159	55,606	9.96	11.01	279	278
Hourly basis	138,684	139,780	474,504	492,641	1.317	1.477	285	294
Transportation (yardmasters, switch tenders, and hostlers)	17,103	16,951	81,522	81,799				
Daily basis	6,424	6,632	35,732	37,116	15.65	16.08	464	466
Hourly basis	10,679	10,319	45,790	44,683	1.409	1.415	357	361
Transportation (train and engine service)	262,071	263,697	1,233,377	1,285,467				
Hourly basis	262,071	263,697	1,233,377	1,285,467	1.578	1.582	392	406

Source: Interstate Commerce Commission; annual report, *Wage Statistics of Class I Steam Railways in the United States.*

No. 627.—Steam-Railway Accidents—Number of Persons Killed and Injured, by Status: 1891 to 1950

[For various reasons, including fact that returns were required under different acts, statistics are not strictly comparable. Prior to 1921, train accidents were those causing damage to railway property in excess of $150 or any damage and a resulting casualty. From 1921 to 1947 they were considered as such when damage exceeded $150 with or without a casualty; for 1948, accidents causing damages in excess of $250, with or without a casualty, were classified as train accidents; and, beginning January 1, 1949, the damage incurred was raised to $275, or more. Where damage was less than the amounts specified and there was a reportable casualty it was classified as a train-service accident. Figures for years 1911–15 include industrial and other nontrain accidents to employees only, and for years 1908–10 exclude switching and terminal roads. Otherwise, data cover all reportable accidents, including those due to suicide, mental derangement, and attempting to escape custody. See also *Historical Statistics*, series K 84–93]

Yearly average or year ending—	Total		Passengers [1]		Employees [2]		Other persons		Trespassers	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
June 30:										
1891–1895	6,821	35,313	292	2,967	2,315	27,051	595	1,283	3,618	4,011
1896–1900	6,946	42,248	222	3,237	2,054	32,793	634	1,547	4,036	4,672
1901–1905	9,326	72,943	392	7,894	3,249	57,209	891	2,793	4,795	5,047
1906–1910	10,210	105,617	385	11,625	3,572	83,502	994	4,830	5,258	5,660
1911–1915	10,174	174,941	273	13,382	3,273	148,640	1,262	6,836	5,366	6,083
Dec. 31:										
1916–1920	8,662	176,693	304	7,419	2,855	157,523	2,074	8,460	3,429	3,291
1921–1925	6,618	141,688	173	5,578	1,654	123,790	2,225	9,420	2,566	2,901
1926–1930	6,623	89,543	101	3,667	1,395	73,522	2,606	9,822	2,521	2,532
1931–1935	5,127	29,834	38	1,995	589	18,222	1,811	6,529	2,688	3,087
1936–1940	4,987	31,292	56	2,553	613	19,765	1,866	6,883	2,452	2,111
1941–1945	5,060	53,813	174	4,274	989	41,223	2,059	7,038	1,838	1,278
1946–1950	3,918	41,868	97	3,706	598	30,778	1,777	6,243	1,446	1,141
1942	5,337	48,123	122	3,501	1,005	36,032	2,197	7,237	2,013	1,353
1943	5,051	60,348	278	5,166	1,072	46,971	1,946	7,076	1,755	1,135
1944	4,908	61,251	267	4,854	1,087	48,613	1,958	6,632	1,596	1,152
1945	4,812	61,515	156	4,840	972	48,632	2,052	6,870	1,632	1,173
1946	4,508	52,026	128	4,714	738	39,472	1,971	6,670	1,671	1,170
1947	4,285	48,819	79	4,246	791	36,880	1,903	6,502	1,512	1,191
1948	3,883	43,107	59	3,607	622	31,961	1,726	6,409	1,476	1,130
1949	3,426	32,123	37	2,545	450	22,993	1,614	5,506	1,325	1,079
1950	3,486	33,267	180	3,419	392	22,586	1,669	6,129	1,245	1,133

[1] Data cover passengers on trains and travelers not on trains. Casualties sustained in nontrain accidents included with "other persons."

[2] Prior to 1921 casualties sustained by employees not on duty in nontrain accidents included with "other persons."

Source: Interstate Commerce Commission, annual report, *Accident Bulletin—Steam Railways*.

No. 628.—Accidents at Highway Grade Crossings (All Steam Railways)—Automobile and Total Casualties: 1936 to 1950

[Excludes casualties due to suicide, mental derangement, and attempting to escape custody. See also headnote table 627]

Year	Number of accidents	All persons		Accidents which involved automobiles		
		Number killed	Number injured	Persons killed	Persons injured	Total casualties per 10,000 automobiles registered
1936	4,277	1,786	4,930	1,519	4,662	2.19
1937	4,489	1,875	5,136	1,607	4,904	2.19
1938	3,494	1,517	4,018	1,307	3,783	1.73
1939	3,476	1,398	3,999	1,190	3,744	1.61
1940	4,104	1,808	4,632	1,576	4,430	1.88
1941	4,320	1,931	4,885	1,679	4,667	1.85
1942	4,150	1,970	4,616	1,621	4,386	1.84
1943	3,781	1,732	4,217	1,378	3,944	1.74
1944	3,811	1,840	4,216	1,512	3,983	1.83
1945	4,100	1,903	4,446	1,577	4,126	1.86
1946	4,001	1,851	4,397	1,558	4,137	1.68
1947	4,015	1,790	4,251	1,521	4,055	1.49
1948	3,964	1,612	4,255	1,355	4,054	1.33
1949	3,523	1,507	3,774	1,307	3,607	1.11
1950	4,000	1,576	4,368	1,393	4,206	1.15

Source: Interstate Commerce Commission, annual report, *Accident Bulletin—Steam Railways*.

No. 629.—The Alaska Railroad—Summary of Passenger and Freight Services: Years Ending June 30, 1950 and 1951

ITEM	1950	1951	ITEM	1950	1951
Road mileage operated—monthly average	536	536	FREIGHT TRAFFIC		
PASSENGER TRAFFIC			Freight-train miles	454, 334	532, 839
Passenger-train miles [1]	255, 103	234, 482	Loaded cars, 1 mile, freight and mixed trains	6, 770, 000	8, 430, 000
Passenger-car miles, passenger trains [1]	681, 801	820, 181	Empty cars, 1 mile, freight and mixed trains	4, 806, 000	5, 913, 000
Total revenue passengers carried	104, 300	112, 080	All cars, 1 mile	11, 576, 000	14, 343, 000
Revenue passengers carried 1 mile	11, 334, 667	14, 438, 713	Tons of revenue freight carried:		
Total passenger revenue	$527, 291	$638, 004	Coal	355, 341	314, 361
Average revenue per passenger per mile	$0. 04650	$0. 04420	Miscellaneous	520, 220	779, 365
			Tons of revenue freight carried 1 mile	141,261,000	176, 983, 000
			Total freight revenue	$9, 347, 529	$12, 487, 587
			Average revenue per ton per mile	$0. 06617	$0. 06977

[1] Including motor miles.

Source: Department of the Interior, The Alaska Railroad.

No. 630.—Electric Railways—Summary: 1890 to 1937

[The census of street railways, which was first taken in 1890, and which has been taken at quinquennial intervals through 1937 beginning with the inquiry for 1902, covers (1) all street railways, without regard to kind of motive power, and (2) all interurban railways using other than steam as motive power. The nonelectric railroads included are those operated principally by cable and gasoline engines. Operations of electrified divisions of steam-railway companies are not included. Figures in this table do not include data for motorbus and trolley-bus operations of electric street railways. (For motorbus and trolley-bus statistics from census reports, see source)]

ITEM	1890	1902	1912	1922	1927	1932	[1] 1937
Number of companies	789	987	1, 260	[2] 1, 200	[2] 963	[2] 706	[2] 478
Miles of line operated [3]	5, 783	16, 645	30, 438	31, 264	27, 948	20, 110	14, 214
Miles of all track operated [3]	8, 123	22, 577	41, 065	43, 932	40, 722	31, 548	23, 770
Value of road and equipment (thousand dollars)	389, 357	2, 167, 634	4, 596, 563	5, 058, 762	([4])	4, 143, 381	4, 399, 768
Number of employees [5]	70, 764	140, 769	282, 461	300, 119	264, 575	[6] 182, 165	152, 476
Number of passenger cars	32, 505	60, 290	76, 162	77, 301	70, 309	59, 692	44, 864
Revenue passengers, including pay-transfer (thousands)	2, 023, 010	4, 774, 212	9, 545, 555	12, 666, 558	12, 174, 592	[7] 7, 955, 981	7, 485, 290
Operating revenues (thousand dollars) [8]	90, 617	247, 554	567, 512	1, 016, 719	927, 774	566, 290	513, 129
Operating expenses (thousand dollars) [8]	62, 011	142, 313	332, 896	727, 795	694, 460	442, 607	406, 119
Operating ratio (percent)	68. 4	57. 5	58. 7	71. 6	74. 9	78. 2	79. 1

[1] Excludes data for 22 companies, operating on a part-year basis. These companies reported 36,810,221 passengers; 9,108,009 car-miles; 1,042,866 car-hours; $2,388,295, operating revenue; and $2,412,010, operating expense.

[2] Includes certain companies in Pennyslvania which maintained separate organizations, though controlled through stock ownership by other companies. For 1912 these companies were treated as merged and not included in the number reported.

[3] Includes small mileage of track lying outside United States.

[4] Data incomplete. Some of the companies engaged in both light-and-power and electric-railway operations were unable to report separately the values of plant and equipment assignable to their railway activities.

[5] Number reported as of June 30, for 1890, 1922, 1927, and 1932; for 1902, average for the year; for 1912, as of Sept. 16. Figures for 1937 represent an average of numbers reported on June 30 and Dec. 31.

[6] Includes 334 trolley-bus operators.

[7] Includes 29,721,000 trolley-bus passengers.

[8] Includes auxiliary operating revenues of $8,905,000 for 1927 and $91,242,000 for 1922; auxiliary expenses, $7,822,000 for 1927, and $49,232,000 for 1922. Data for operating revenues and operating expenses of auxiliary operations excluded so far as possible for earlier years.

Source: Department of Commerce, Bureau of the Census; Census of Electrical Industries, report on Street Railways and Trolley-Bus and Motorbus Operations. Survey discontinued.

No. 631.—Express Companies—Income Account: 1921 to 1950

[In thousands of dollars. Mileage operated by Railway Express Agency, Inc., 1950: Total, 318,466; steam road, 188,988; electric line, 1,372; steamboat line, 13,412; motor carrier, 15,352; airplane, 99,342]

CALENDAR YEAR	Receipts for transportation	Paid for express privileges	Total operating revenues [1]	Operating expenses	Net operating revenues	Express taxes	Operating income [2]	Other income	Net income [3]
American Railway Express Co.:									
1921	294,664	113,491	184,897	182,265	2,631	2,095	508	2,074	2,309
1925	290,303	143,832	149,715	146,433	3,282	2,059	1,195	1,088	2,184
1929 [4]	41,104	18,554	23,083	22,560	523	327	193	193	381
Railway Express Agency, Inc.:									
1929 [5]	242,216	127,591	117,628	115,535	2,093	1,343	734	687	20
1935	138,751	53,170	88,068	84,899	3,169	1,548	1,603	148	4
1938	155,590	50,478	107,640	98,827	8,813	6,401	2,394	173	731
1939	167,179	57,803	111,976	104,158	7,818	6,967	831	192	2
1940	176,521	59,063	119,957	111,478	8,479	7,539	907	178	4
1941	195,696	63,117	135,262	125,638	9,624	8,488	1,106	225	188
1942	260,259	107,708	155,306	144,448	10,858	9,785	1,055	320	191
1943	350,215	146,042	207,545	193,590	13,955	13,074	861	433	66
1944	400,865	150,088	254,734	238,017	16,717	15,518	1,172	349	219
1945	437,139	157,075	284,428	266,960	17,468	16,724	712	372	[6] *228*
1946	427,341	106,814	326,230	305,483	20,747	19,841	876	411	[6] *57*
1947	436,683	129,315	312,981	288,136	24,845	24,187	623	451	[6] *329*
1948	419,973	130,254	294,833	276,557	18,276	17,858	379	1,178	55
1949	335,295	89,525	250,667	234,584	16,083	15,824	213	1,185	[6] *123*
1950	314,808	97,178	222,661	207,054	15,607	14,137	1,437	1,047	70
Southeastern Express Co.:									
1921 [7]	4,374	1,649	2,781	2,719	61	25	37	10	47
1925	8,041	3,912	4,241	4,086	155	86	67	20	87
1929	8,007	3,900	4,244	4,098	146	110	35	38	73
1935	5,520	2,234	3,406	3,250	156	96	57	3	60
1938 [8]	3,122	746	2,436	2,270	166	158	6	1	7

[1] Includes revenues from sources other than transportation.
[2] Deducting, besides taxes, a small amount of uncollectible revenue.
[3] Sum of 2 preceding columns less deductions.
[4] Result of operations for 2 months ended Feb. 28, 1929, when taken over by Railway Express Agency, Inc.
[5] Result of operations for 10 months ended Dec 31, 1929. [6] Deficit.
[7] Result of operations for 8 months ended Dec. 31, 1921.
[8] Result of operations for 7 months ended July 31, 1938, when taken over by Railway Express Agency, Inc.

No. 632.—Pullman Company—Summary of Operations: 1910 to 1950

[All money figures in thousands of dollars]

YEAR ENDING—	Total revenues, car operations	Association and contract revenues, debit [1]	Expenses, car operations: Total	Expenses, car operations: Conducting car operations	Net revenues, car operation	Operating income	Revenue passengers carried: Thousands	Revenue passengers carried: Number per car-day
June 30:								
1910	35,334	959	23,962	(2)	11,372	13,151	20,203	14
1915	38,723	2,421	26,633	11,716	12,090	10,816	24,252	12
Dec. 31:								
1920	72,124	13,155	61,031	30,805	11,093	9,304	39,255	16
1925	80,198	8,873	63,513	32,247	16,685	12,546	35,526	12
1930	76,234	5,534	68,960	35,379	7,274	4,937	29,360	9
1935	48,428	2,683	49,077	19,720	[3] *649*	[3] *1,647*	15,479	9
1940	*57,962*	*2,131*	*51,942*	*21,940*	*6,020*	*2,266*	*14,765*	*8*
1942	95,875	13,570	72,531	36,169	23,344	9,151	26,063	11
1943	120,529	26,888	92,766	50,107	27,763	5,553	32,632	13
1944	141,288	19,080	107,998	60,922	33,290	10,721	35,838	13
1945	142,578	13,647	117,885	60,361	24,693	9,045	31,484	12
1946	131,692	2,360	118,694	62,841	12,998	4,780	25,948	11
1947	110,260	3,680	104,946	51,611	5,314	[3] *1,008*	21,012	13
1948	110,272	5,364	99,438	51,669	10,834	3,734	18,650	12
1949	101,951	3,346	92,003	50,573	9,948	4,030	16,022	11
1950	106,721	1,219	93,636	52,836	13,085	6,873	15,606	11

[1] Amounts due other carriers under provisions of definite contracts. [2] Not separated. [3] Deficit.

Source of tables 631 and 632: Interstate Commerce Commission; annual report, *Statistics of Railways in the United States*.

No. 633.—Transit Industry—Summary: 1930 to 1950

[*Represents entire transit industry comprising all organized local passenger transportation agencies except taxicabs and suburban railroads. Based on financial and statistical reports received by American Transit Association from transit companies representing 85 to 95 percent of the industry*]

ITEM	1930	1935	1940	1945	1947	1948	1949	1950
Miles of route operated (Dec. 31):								
Electric railway—miles of single track	35,400	26,700	19,602	17,702	14,976	12,964	11,931	10,813
Surface	34,320	25,470	18,360	16,480	13,750	11,740	10,700	9,590
Subway and elevated	1,080	1,230	1,242	1,222	1,226	1,224	1,231	1,223
Trolley coach—miles of negative overhead wire	146	548	1,925	2,313	2,699	2,905	3,318	3,482
Motorbus—miles of route round trip	60,900	58,100	78,000	90,400	95,300	96,500	96,400	98,000
Passenger vehicles owned (Dec. 31), total	86,263	74,844	75,464	90,278	92,601	91,261	88,775	86,867
Electric railway cars	64,790	50,460	37,662	36,897	30,977	27,034	25,374	23,543
Surface	55,150	40,050	26,630	26,680	21,607	17,578	15,505	13,800
Subway and elevated	9,640	10,410	11,032	10,217	9,370	9,456	9,869	9,743
Trolley coaches	173	578	2,802	3,711	4,707	5,687	6,366	6,504
Motorbusses	21,300	23,800	35,000	49,670	56,917	58,540	57,035	56,820
Investment (Dec. 31), total (millions)	(1)	(1)	$4,096	$4,262	$4,077	$3,900	$3,940	$3,918
Electric railway	(1)	(1)	3,588	3,620	3,330	3,111	3,110	3,060
Surface	(1)	(1)	1,574	1,570	1,279	1,060	998	913
Subway and elevated	(1)	(1)	2,014	2,050	2,051	2,051	2,112	2,147
Trolley coach	(1)	(1)	58	76	96	118	137	144
Motorbus	(1)	(1)	450	566	651	671	693	714
Operating revenues, tota (millions)	$963	$681	$737	$1,380	$1,391	$1,489	$1,491	$1,452
Electric railway	803	520	456	709	667	666	621	578
Surface	649	388	328	560	510	474	403	362
Subway and elevated	154	132	128	149	157	192	218	216
Trolley coach	2	5	25	68	77	91	112	122
Motorbus	158	156	256	603	647	732	758	752
Vehicle miles operated, total (millions)	2,707	2,327	2,596	3,254	3,342	3,311	3,183	3,007
Electric railway	1,995	1,544	1,316	1,398	1,301	1,157	1,015	906
Surface	1,540	1,097	845	940	839	699	555	463
Subway and elevated	455	447	471	458	462	458	460	443
Trolley coach	6	19	86	133	155	178	200	206
Motorbus	706	764	1,194	1,723	1,886	1,976	1,968	1,895
Passengers carried, total (millions)	15,567	12,226	13,098	23,254	22,540	21,368	19,008	17,246
Electric railway	13,072	9,512	8,325	12,124	10,852	9,112	7,185	6,168
Surface	10,513	7,276	5,943	9,426	8,096	6,506	4,839	3,904
Subway and elevated	2,559	2,236	2,382	2,698	2,756	2,606	2,346	2,264
Trolley coach	16	96	534	1,244	1,356	1,528	1,661	1,658
Motorbus	2,479	2,618	4,239	9,886	10,332	10,728	10,162	9,420
Revenue passengers carried, total (millions)	12,528	9,782	10,504	18,982	18,287	17,312	15,251	13,845
Electric railway	10,346	7,408	6,465	9,636	8,589	7,213	5,683	4,903
Surface	7,782	5,156	4,183	7,081	5,980	4,740	3,480	2,790
Subway and elevated	2,564	2,252	2,282	2,555	2,609	2,473	2,203	2,113
Trolley coach	13	77	419	1,001	1,073	1,206	1,268	1,261
Motorbus	2,169	2,297	3,620	8,345	8,625	8,893	8,300	7,681
Number of employees (average), total	276,444	209,200	202,400	242,000	266,000	261,000	253,000	240,000
Electric railway	247,244	164,400	122,500	129,200	121,000	109,000	98,000	90,900
Trolley coach	400	1,300	6,400	8,500	11,000	14,000	15,000	15,400
Motorbus	28,800	43,500	73,500	104,300	134,000	138,000	140,000	133,700
Pay roll, total (millions)	$479	$321	$360	$632	$790	$829	$841	$835

[1] Not available.

Source: American Transit Association, New York, N. Y.; annual report, *Transit Fact Book*.

No. 634.—Class I Intercity Motor Carriers of Property—Summary of Financial and Operating Statistics: 1945 to 1949

[**All money figures, except average revenue and expense per vehicle-mile, in thousands of dollars.** Covers common and contract carriers with average annual operating revenues of $100,000 or more engaged wholly or preponderantly in intercity service subject to general jurisdiction of I. C. C]

ITEM	1945	1946	1947	1948	1949
Number of carriers reporting	1,445	1,516	1,603	1,825	2,012
Investment in carrier operating property	258,578	314,561	398,769	516,303	615,449
Less reserve for depreciation and amortization	134,905	143,703	168,639	215,458	270,706
Net investment in carrier operating property	123,673	170,858	230,130	300,845	344,743
Income statement:					
Operating revenue, total	746,394	883,806	1,232,546	1,662,882	1,894,588
Common carrier	675,678	805,457	1,123,814	1,518,283	1,722,744
Contract carrier	53,992	59,489	78,164	105,688	126,735
Other operating revenue	16,724	18,860	30,568	38,911	45,109
Expenses, total	745,002	852,292	1,174,211	1,552,772	1,793,814
Operation and maintenance expenses	588,140	666,741	1,032,719	1,379,114	1,589,049
Equipment maintenance and garage	130,557	132,337	148,638	194,045	205,597
Transportation	192,345	217,618	437,503	764,702	899,078
Terminal	133,801	168,851	255,095	171,214	197,762
Traffic	18,538	21,938	28,075	37,353	47,261
Insurance and safety	43,222	51,057	71,116	97,915	108,131
Administrative and general	69,677	74,940	92,292	113,885	131,220
Depreciation and amortization [1]	28,348	31,873	44,761	60,815	74,207
Operating taxes and licenses [2]	49,901	54,489	64,116	73,167	83,317
Operating rents, net	78,613	99,189	32,615	39,676	47,241
Operating ratio (percent expenses of operating revenue)	99.8	96.4	95.3	93.4	94.7
Net operating revenue	1,392	31,514	58,335	110,109	100,774
Lease of distinct operating unit—Net	*235*	*282*	*377*	*749*	*430*
Other income, less income deductions	499	*1,184*	*3,529*	*1,935*	*2,704*
Net income before income taxes	1,656	30,048	54,429	107,425	97,640
Net income after income taxes	*2,227*	21,020	37,012	72,184	63,572
Dividend appropriations and withdrawals [3]	10,473	9,491	12,590	18,047	21,029
Number and compensation of employees:					
All employees:					
Number [4]	132,904	145,942	157,590	141,421	153,802
Compensation [4]	335,403	391,544	474,403	465,119	533,229
Equipment maintenance and garage:					
Number	11,873	12,423	13,626	11,205	11,840
Compensation	31,765	34,723	41,792	37,190	41,298
Transportation:					
Drivers and helpers: [5]					
Number	48,193	53,316	51,120	64,423	70,354
Compensation	125,525	146,104	161,305	220,588	253,817
Others:					
Number	3,069	3,063	3,406	2,741	3,017
Compensation	10,319	10,802	13,067	11,257	13,191
Terminal:					
Number	[6] 51,496	[6] 58,819	[6] 68,914	45,209	48,946
Compensation	[6] 112,923	[6] 140,413	[6] 185,238	127,981	146,242
Sales, tariff, and advertising:					
Number	3,087	3,351	3,825	4,085	5,070
Compensation	9,808	11,693	14,537	16,556	21,125
Administrative and general:					
General officers:					
Number	2,723	2,799	3,063	2,319	2,457
Compensation	20,769	22,334	26,792	23,524	26,006
Others, including insurance and safety:					
Number	12,463	12,171	13,636	11,439	12,118
Compensation	24,294	25,475	31,672	28,023	31,550
Operating statistics and averages:					
Owned revenue vehicles, total	100,165	112,300	127,912	151,027	169,469
Trucks	19,610	20,727	22,233	25,232	28,038
Truck-tractors	33,534	36,308	41,582	48,935	54,202
Semitrailers	44,081	52,274	60,804	72,764	82,732
Full trailers	2,940	2,991	3,293	4,096	4,497
Intercity vehicle-miles (millions)	2,165	2,407	3,059	3,810	4,338
Tons of intercity revenue freight carried [7] (thousands)	108,017	112,268	135,426	165,828	176,452
Miles per owned vehicle	43,385	46,147	47,461	46,863	48,058
Revenue per vehicle-mile (intercity)	$0.337	$0.359	$0.393	$0.426	$0.426
Expense per vehicle-mile (intercity) [8]	$0.344	$0.354	$0.384	$0.408	$0.414

[1] Amortization represents a very small part of this total. [2] Does not include Federal or State income taxes.
[3] Withdrawals of sole proprietors and partners.
[4] Beginning 1948, excludes employees of Common Carriers of other than general freight and contract carriers as follows: 1948, 40,606, compensation $138,759,000; 1949, 45,603, compensation $165,000,000.
[5] Does not include drivers of equipment engaged by these carriers to perform "purchased transportation."
[6] Includes collection and delivery employees (subsequently included with drivers, etc.) as follows: 1945, 21,444, compensation, $51,441,000; 1946, 24,630, compensation, $63,353,000; 1947, 29,090, compensation, $83,370,000.
[7] Includes duplications on account of tonnage received from connecting motor carriers.
[8] Basic figures include expenses of operating vehicles in local services not available separately.

Source: Interstate Commerce Commission; annual report, *Statistics of Class I Motor Carriers*.

No. 635.—Class I Intercity Motor Carriers of Property—Selected Operating Statistics, by Regions: 1944 to 1949

[See headnote, table 634. Regions: 1, Conn., Maine, Mass., N. H., R. I., Vt.; 2, Del., D. C., Md., N. J., N. Y., Pa., W. Va.; 3, Ill., Ind., Mich. (Lower Pen.), Ohio; 4, Ala., Fla., Ga., Ky., Miss., N. C., S. C., Tenn., Va.; 5, Mich. (Upper Pen.), Minn., N. Dak., S. Dak., Wis.; 6, Iowa, Kans., Mo., Nebr.; 7, Ark., La., Okla., Tex.; 8, Colo., Idaho, Mont., N. Mex., Utah, Wyo.; 9, Ariz., Calif., Nev., Oreg., Wash.]

Region and year	Number of carriers reporting	Operating revenue ($1,000)	Total expenses ($1,000)	Owned revenue vehicles [1]: Trucks	Owned revenue vehicles [1]: Truck-tractors	Owned revenue vehicles [1]: Semi-trailers	Owned revenue vehicles [1]: Full trailers	Vehicle-miles, total intercity service (1,000)	Employees [2]: Average number	Employees [2]: Compensation ($1,000)
Total:										
1944	1,337	710,910	695,820	19,930	33,124	41,901	2,774	2,132,121	130,495	319,042
1945	1,445	746,394	745,002	19,610	33,534	44,081	2,940	2,164,808	132,904	335,403
1946	1,516	883,806	852,292	20,727	36,308	52,274	2,991	2,406,622	145,942	391,544
1947	1,603	1,232,546	1,174,211	22,233	41,582	60,804	3,293	3,059,474	157,590	474,403
1948	1,825	1,662,882	1,552,772	25,232	48,935	72,764	4,096	3,809,696	182,027	603,878
1949	2,012	1,894,588	1,793,814	28,038	54,202	82,732	4,497	4,338,273	199,405	698,829
1. New England:										
1944	132	50,765	49,841	2,127	2,489	3,201	4	117,833	9,385	25,577
1945	141	54,594	54,110	2,047	2,588	3,399	7	122,697	9,763	27,539
1946	150	65,270	62,057	2,139	2,921	4,330	28	132,828	11,066	32,201
1947	167	81,243	77,688	2,218	3,494	5,064	33	151,220	12,192	37,996
1948	181	92,684	89,994	2,343	3,762	5,522	36	161,096	13,206	44,150
1949	203	100,791	97,496	2,534	4,127	6,068	62	172,503	13,792	48,339
2. Middle Atlantic:										
1944	332	145,477	142,424	3,728	7,304	9,277	28	369,650	26,572	67,268
1945	357	150,177	149,500	3,611	7,539	9,701	45	377,021	26,935	69,256
1946	393	179,472	174,043	4,073	8,478	11,466	29	419,274	30,711	82,074
1947	397	243,466	231,553	4,303	9,807	13,295	39	513,177	32,740	99,457
1948	446	317,472	297,866	4,623	11,200	15,752	159	636,238	37,468	123,086
1949	487	357,983	339,363	5,073	12,016	17,691	202	711,578	40,910	142,044
3. Central:										
1944	324	218,116	212,869	3,388	10,525	14,522	872	696,778	38,836	98,106
1945	348	223,515	222,408	3,387	10,326	14,787	783	701,878	39,278	101,852
1946	346	272,203	259,846	3,265	10,919	17,348	665	822,264	42,979	118,121
1947	392	410,216	393,751	3,532	12,346	20,288	760	1,142,951	46,052	144,125
1948	456	580,075	540,676	4,073	14,754	24,479	963	1,452,140	53,608	186,268
1949	483	645,573	611,947	4,300	15,795	26,830	1,151	1,610,454	57,103	210,489
4. Southern:										
1944	143	79,465	78,559	2,238	4,152	4,583	17	284,626	15,963	32,087
1945	152	83,473	84,285	1,973	4,086	4,776	17	277,428	15,810	33,588
1946	167	91,554	88,731	2,052	4,186	5,520	37	279,141	15,903	37,048
1947	173	116,698	110,723	2,203	4,629	6,347	36	329,302	16,145	41,304
1948	191	163,859	151,048	2,583	5,278	7,580	44	421,051	18,583	54,225
1949	216	203,293	190,643	3,038	6,233	9,384	70	514,292	22,103	68,490
5. Northwestern:										
1944	64	33,025	32,495	949	1,775	2,021	4	105,108	6,778	16,000
1945	69	34,893	34,816	955	1,834	2,183	4	104,281	6,990	16,708
1946	67	42,911	41,934	1,080	2,073	2,684	4	118,560	8,008	21,086
1947	68	58,060	56,346	1,166	2,244	2,955	1	133,947	8,917	26,204
1948	73	74,390	70,559	1,244	2,540	3,370	2	156,511	9,793	32,067
1949	85	79,560	76,991	1,341	2,808	3,701	25	176,495	9,926	34,800
6. Midwestern:										
1944	73	37,476	37,531	1,002	1,734	1,975	32	137,704	6,845	16,282
1945	77	37,600	38,043	1,017	1,782	2,078	26	128,284	6,861	16,103
1946	89	49,052	47,057	1,192	2,167	2,804	61	152,630	8,213	20,732
1947	95	70,058	66,977	1,248	2,565	3,322	57	191,731	9,450	26,808
1948	109	93,593	87,808	1,437	3,057	3,979	94	244,041	10,791	33,575
1949	125	126,190	120,777	1,959	3,787	5,430	48	310,171	13,767	46,843
7. Southwestern:										
1944	109	58,733	56,482	2,495	3,149	3,541	18	194,778	12,564	25,042
1945	124	64,988	64,354	2,387	3,106	3,755	82	212,069	13,330	28,280
1946	122	72,814	70,270	2,537	3,184	4,284	80	220,947	13,705	32,237
1947	112	90,643	84,443	2,590	3,337	4,488	78	244,587	13,705	36,079
1948	129	122,913	113,135	3,066	4,271	5,429	102	310,171	16,055	47,364
1949	142	140,419	130,254	3,285	4,758	6,272	67	354,512	17,538	54,934
8. Rocky Mountain:										
1944	29	14,870	14,655	534	336	415	162	47,541	2,498	6,042
1945	31	16,890	16,893	554	316	518	185	49,204	2,564	6,675
1946	36	22,200	21,609	667	438	664	273	62,736	3,280	8,881
1947	44	44,651	40,939	909	929	1,377	221	112,635	5,021	15,677
1948	55	55,621	50,314	1,055	1,022	1,516	249	126,032	5,638	19,440
1949	61	67,888	61,854	1,188	1,284	1,809	269	157,645	6,638	23,876
9. Pacific:										
1944	131	72,983	70,964	3,469	1,660	2,366	1,637	178,103	11,054	32,638
1945	146	80,264	80,593	3,679	1,957	2,884	1,791	191,946	11,373	35,402
1946	146	88,330	86,745	3,722	1,942	3,174	1,814	198,242	12,077	39,164
1947	155	117,511	111,791	4,064	2,231	3,668	2,068	239,924	13,368	46,753
1948	185	162,275	151,372	4,808	3,051	5,137	2,447	302,416	16,385	63,703
1949	210	172,891	164,489	5,320	3,394	5,547	2,603	330,623	17,628	69,014

[1] Excludes equipment used under lease, including operations conducted under "purchased transportation arrangements."

[2] Excludes drivers of equipment engaged by these carriers to perform "purchased transportation" service.

Source: Interstate Commerce Commission; annual report, *Statistics of Class I Motor Carriers*.

No. 636.—Class I Intercity Motor Carriers of Passengers—Summary of Financial and Operating Statistics: 1945 to 1949

[**All money figures, except average fare and average revenue and expense per vehicle-mile, in thousands of dollars.** Covers carriers with average annual operating revenues of $100,000 or more engaged wholly or preponderantly in intercity service subject to jurisdiction of Interstate Commerce Commission. This table does not include carriers subject to the Commission's jurisdiction engaged wholly or preponderantly in local or suburban service or carriers engaged in transportation of both property and passengers]

ITEM	1945	1946	1947	1948	1949
Number of carriers reporting	231	254	253	260	262
Investment in carrier operating property	153, 477	174, 455	226, 368	283, 833	293, 020
Less reserve for depreciation and amortization	81, 103	91, 209	99, 643	113, 269	133, 087
Net investment in carrier operating property	72, 374	83, 246	126, 725	170, 564	159, 933
Income statement:					
Operating revenue, total	377, 933	380, 627	367, 424	401, 33[illegible]	379, 751
Passenger revenue [1]	364, 769	365, 103	348, 707	377, 504	354, 214
Special bus revenue	5, 381	6, 641	8, 404	10, 696	11, 470
Other operating revenue	7, 783	8, 883	10, 313	13, 133	14, 067
Expenses, total	264, 934	299, 217	312, 517	350, 632	345, 585
Operation and maintenance expenses	214, 224	246, 992	257, 756	286, 921	279, 205
Depreciation and amortization [2]	17, 336	17, 720	19, 853	26, 794	30, 906
Operating taxes and licenses [3]	26, 846	28, 574	29, 272	31, 764	30, 501
Operating rents, net	6, 528	5, 931	5, 636	5, 153	4, 973
Operating ratio (percent expenses of operating revenue)	70. 1	78. 6	85. 1	87. 4	91. 0
Net operating revenue	112, 999	81, 410	54, 907	50, 701	34, 166
Lease of carrier property, net	*559*	*484*	*272*	*109*	*105*
Other income, less income deductions	*2, 076*	1, 678	130	*362*	*967*
Net income before income taxes	110, 364	82, 604	54, 765	50, 230	33, 094
Net income after income taxes	32, 246	50, 414	33, 494	31, 172	19, 974
Dividend appropriations and withdrawals [4]	18, 599	31, 795	21, 250	20, 611	15, 362
Number of employees and compensation:					
All employees:					
Number	42, 394	46, 587	45, 820	47, 868	45, 961
Compensation	108, 394	129, 185	136, 123	151, 474	151, 261
Equipment maintenance and garage:					
Number	10, 467	12, 028	11, 639	12, 230	11, 502
Compensation	25, 752	31, 316	31, 665	35, 548	31, 945
Transportation:					
Drivers of passenger revenue vehicles: Number	17, 560	19, 298	19, 494	20, 909	20, 509
Compensation	49, 065	59, 333	65, 065	74, 446	74, 454
Others: Number	1, 698	1, 829	1, 816	1, 869	1, 861
Compensation	5, 503	6, 225	6, 520	6, 880	7, 263
Station:					
Number	7, 163	7, 581	7, 079	6, 993	6, 526
Compensation	12, 560	15, 005	15, 243	16, 055	16, 035
Traffic, solicitation, and advertising:					
Number	642	761	777	822	803
Compensation	1, 934	2, 383	2, 629	2, 850	2, 935
Administrative and general:					
General officers: Number	516	566	574	566	569
Compensation	5, 483	5, 654	5, 332	5, 306	5, 180
Others, including insurance and safety: Number	4, 348	4, 524	4, 441	4, 479	4, 191
Compensation	8, 097	9, 269	9, 669	10, 389	10, 449
Operating statistics and averages:					
Passenger vehicles owned [5]	12, 865	13, 168	14, 149	15, 290	14, 863
Vehicle-miles of owned and leased passenger vehicles: [6]					
Regular route intercity service (thousands)	860, 485	964, 227	978, 364	1,051,056	987, 512
Special, charter, and sightseeing service (thousands)	15, 113	17, 620	22, 274	27, 987	29, 410
Local and suburban service [7] (thousands)	54, 963	60, 798	55, 732	50, 760	48, 760
Number of revenue passengers carried:					
Regular route intercity service (thousands)	434, 614	433, 730	412, 332	420, 758	367, 074
Special, charter, and sightseeing service (thousands)	7, 036	7, 216	8, 667	9, 716	9, 634
Local service (thousands)	122, 794	121, 014	108, 454	106, 293	92, 714
Miles per vehicle [8]	71, 429	77, 677	76, 655	72, 533	66, 088
Average fare per passenger, per carrier, intercity service	$0. 793	$0. 798	$0. 802	$0. 852	$0. 912
Passenger revenue per vehicle-mile:					
Regular route intercity	. 401	. 359	. 338	. 341	. 339
Special, charter, and sightseeing services	. 356	. 377	. 377	. 382	. 390
Local service	. 366	. 315	. 323	. 376	. 399
Expense per vehicle-mile	. 285	. 287	. 296	. 310	. 324

[1] Regular route intercity and local revenue.
[2] Amortization represents a very small part of this total.
[3] Excludes Federal or State income taxes.
[4] Withdrawals, small in amount, of sole proprietors and partners.
[5] Total vehicles owned at close of year.
[6] Includes bus-miles of vehicles operated under "purchased transportation arrangements."
[7] Includes only service on local and suburban runs of preponderantly intercity carriers.
[8] Averages for owned and leased vehicles.

Source: Interstate Commerce Commission; annual report, *Statistics of Class I Motor Carriers.*

No. 637.—Class I Intercity Motor Carriers of Passengers—Selected Operating Statistics, by Regions: 1944 to 1949

[See headnote, table 636; for description of regions, see headnote, table 635]

Region and year	Number of carriers reporting	Operating revenue ($1,000)	Total expenses ($1,000)	Passenger vehicles: Intercity [1]	Passenger vehicles: Total [2]	Regular-route intercity: Vehicle-miles (1,000)	Regular-route intercity: Revenue passengers carried (1,000)	Regular-route intercity: Average fare per passenger, per carrier	Employees: Average number	Employees: Total compensation ($1,000)
Total:										
1944	194	374,667	245,403	11,808	12,895	833,851	429,917	$0.798	40,092	100,933
1945	231	377,933	264,934	12,281	13,393	860,485	434,614	.793	42,394	108,394
1946	254	380,627	299,217	12,558	13,636	964,227	433,730	.798	46,587	129,185
1947	253	367,424	312,517	12,915	14,040	978,364	412,332	.802	45,820	136,123
1948	260	401,333	350,632	14,622	15,831	1,051,056	420,758	.852	47,868	151,474
1949	262	379,751	345,585	14,988	16,115	987,512	367,074	.912	45,961	151,261
1. New England:										
1944	16	12,768	10,510	587	626	29,039	26,856	.421	1,743	4,449
1945	18	11,412	10,255	559	584	26,097	23,132	.450	1,601	4,493
1946	18	10,274	9,682	495	513	26,801	20,647	.445	1,647	4,545
1947	19	10,542	10,282	512	558	27,779	19,395	.473	1,684	4,973
1948	21	12,295	12,240	647	679	31,290	21,404	.499	1,783	5,653
1949	21	12,257	12,157	638	680	30,743	18,357	.573	1,786	5,748
2. Middle Atlantic:										
1944	34	38,428	29,701	1,540	1,663	89,899	66,806	.541	4,498	11,413
1945	34	39,985	32,567	1,556	1,772	87,191	64,620	.546	4,874	12,615
1946	41	45,322	38,638	1,749	2,001	102,498	67,469	.581	5,565	15,696
1947	41	44,596	40,374	1,767	1,964	104,648	65,074	.594	5,479	16,621
1948	42	48,731	44,988	1,999	2,240	107,760	67,732	.605	6,024	19,001
1949	43	39,167	37,962	1,743	1,965	84,593	54,654	.578	4,775	15,921
3. Central:										
1944	35	58,013	41,442	1,769	2,044	123,670	65,420	.777	6,659	17,884
1945	46	59,516	44,467	1,876	2,124	131,498	69,215	.753	7,129	19,115
1946	46	64,643	52,085	2,007	2,268	157,616	70,182	.809	8,019	23,058
1947	47	64,044	55,879	2,122	2,422	157,683	66,499	.828	7,870	24,639
1948	44	68,330	61,391	2,283	2,623	164,690	67,625	.880	7,906	26,394
1949	43	71,898	67,426	2,581	2,929	172,027	64,209	.968	8,683	29,520
4. Southern:										
1944	44	109,852	72,535	3,688	3,906	257,591	137,577	.759	11,875	27,366
1945	53	113,114	78,789	3,926	4,133	274,011	148,586	.724	12,405	30,113
1946	59	108,029	83,905	3,954	4,122	295,673	147,936	.692	13,296	33,851
1947	60	101,529	85,260	3,916	4,162	296,437	140,139	.678	12,941	35,228
1948	62	106,249	90,435	4,133	4,388	298,502	134,290	.735	12,745	36,640
1949	59	101,001	88,087	4,221	4,412	276,404	114,004	.819	11,969	36,099
5. Northwestern:										
1944	5	12,594	7,355	336	336	29,340	11,218	1.057	1,129	3,257
1945	6	13,355	8,299	367	367	32,029	11,657	1.097	1,169	3,233
1946	9	14,535	10,031	426	430	37,099	12,601	1.105	1,460	4,660
1947	10	14,802	11,729	476	481	41,252	12,935	1.090	1,604	5,050
1948	12	16,872	14,568	635	639	47,364	14,784	1.062	1,770	5,976
1949	14	11,529	12,244	564	564	35,801	10,344	1.027	1,509	5,044
6. Midwestern:										
1944	8	16,628	9,788	469	469	39,533	10,794	1.483	1,626	4,507
1945	12	18,383	11,391	529	529	44,966	12,929	1.374	1,909	5,168
1946	14	18,910	13,097	548	548	49,793	13,133	1.389	2,109	6,093
1947	14	23,631	19,187	764	764	65,723	14,543	1.535	2,693	8,632
1948	16	25,121	20,955	840	840	69,405	15,535	1.510	2,792	9,275
1949	16	22,509	19,575	826	826	60,461	12,860	1.611	2,725	9,292
7. Southwestern:										
1944	33	63,941	36,937	2,048	2,122	149,035	64,001	.940	6,425	15,639
1945	38	61,214	40,506	2,044	2,105	148,409	61,487	.946	6,954	16,662
1946	41	59,176	44,543	1,898	1,912	158,478	60,151	.936	7,201	19,665
1947	34	49,754	41,155	1,821	1,830	143,010	50,571	.941	6,262	17,590
1948	34	63,244	54,141	2,315	2,324	183,811	56,835	1.049	7,374	23,124
1949	36	63,302	56,508	2,553	2,559	187,752	52,399	1.125	7,588	24,739
8. Rocky Mountain:										
1944	5	4,185	2,567	118	165	9,166	3,007	1.236	424	1,054
1945	9	5,291	3,359	178	225	11,938	3,899	1.177	581	1,457
1946	10	4,831	3,496	172	210	12,532	2,882	1.482	574	1,619
1947	11	4,562	3,641	173	195	12,495	2,383	1.678	522	1,652
1948	11	4,868	4,029	200	224	13,185	2,714	1.542	615	1,826
1949	11	4,516	3,983	201	229	13,116	2,586	1.497	528	1,762
9. Pacific:										
1944	14	58,258	34,568	1,253	1,564	106,578	44,238	1.098	5,713	15,364
1945	15	55,663	35,301	1,246	1,554	104,346	39,089	1.178	5,772	15,538
1946	16	54,907	43,740	1,309	1,632	123,737	38,729	1.182	6,716	19,998
1947	17	53,964	45,010	1,364	1,664	129,337	40,793	1.099	6,765	21,738
1948	18	55,623	47,885	1,570	1,874	135,049	39,839	1.142	6,859	23,585
1949	19	53,572	47,643	1,661	1,960	126,615	37,661	1.144	6,398	23,136

[1] Includes vehicles owned, leased, and operated under "purchased transportation arrangements," operated in intercity revenue service.

[2] Includes average number operated in intercity service during year and number owned in local operations at close of year.

Source: Interstate Commerce Commission; annual report, *Statistics of Class I Motor Carriers.*

No. 638.—Motorbus Lines—Summary of Operations of Common Carriers and School Busses: 1949 to 1951

ITEM	1949	1950	1951 (prel.)
COMMON CARRIER BUS OPERATIONS			
Number of operating companies (Dec. 31):			
City and city suburban	1,740	1,638	1,676
Intercity	3,060	2,858	2,914
Number of busses (Dec. 31):			
City and city suburban	57,800	57,570	58,364
Intercity	30,200	28,711	29,266
Miles of highway covered (Dec. 31): [1]			
City and city suburban	54,000	53,310	59,680
Intercity	416,500	400,284	438,447
Total bus miles (1,000):			
City and city suburban	1,786,611	1,881,843	1,819,460
Intercity	1,598,033	1,500,420	1,554,715
Revenue passengers, line service (1,000):			
City and city suburban [2]	8,502,055	8,433,559	7,857,698
Intercity	854,981	815,172	844,375
Operating revenue ($1,000):			
City and city suburban	786,351	798,933	829,432
Intercity	537,575	510,815	533,667
Taxes assignable to operations ($1,000): [3]			
City and city suburban	56,556	62,025	62,257
Intercity	42,880	42,508	43,456
Net operating revenue ($1,000):			
City and city suburban	−5,908	8,540	−1,757
Intercity	39,912	37,962	48,641
Investment in plant and equipment (Dec. 31) ($1,000):			
City and city suburban	830,825	855,492	(5)
Intercity	459,532	483,842	(5)
Number of employees (Dec. 31): [4]			
City and city suburban	125,696	129,043	131,169
Intercity	66,749	66,570	67,155
Wages and salaries ($1,000):			
City and city suburban	424,503	458,492	(5)
Intercity [6]	215,085	224,949	(5)
SCHOOL BUS OPERATIONS			
Number of schools using busses	45,300	43,813	43,649
Number of busses	97,600	104,179	105,594
Total bus-miles (1,000)			689,563
Children carried daily (1,000)	5,720	6,264	6,410
Cost of service annually ($1,000)	177,532	180,183	207,718

[1] Includes duplication between carriers. [2] Includes revenue transfer passengers. [3] Excludes income taxes. [4] Operating companies only. [5] Not available. [6] Line service only.

No. 639.—Trolley Bus and Street Car Lines—Summary of Operations: 1949 to 1951

ITEM	1949	1950	1951 (prel.)
TROLLEY BUS LINES			
Number of operating companies (Dec. 31)	42	42	42
Number of busses owned (Dec. 31)	6,355	6,497	7,059
Miles of highway covered (Dec. 31)	1,425	1,457	1,496
Total bus-miles (millions)	176	182	189
Revenue passengers (millions) [1]	1,149	1,169	1,113
Operating revenue ($1,000)	102,724	108,960	118,746
Taxes assignable to operations ($1,000) [2]	4,581	4,912	5,343
Net operating revenue ($1,000)	11,372	18,225	16,174
Number of employees on payroll	15,570	16,105	16,319
STREET CAR LINES			
Number of operating companies	101	88	82
Number of cars owned	15,505	13,800	12,300
Miles of single track	10,700	9,590	8,700
Miles of first main track	5,707	5,110	4,650
Operating revenue ($1,000)	410,500	361,700	325,000
Number of passengers (millions)	3,480	2,790	2,208
Revenue-miles operated (millions)	555	463	371

[1] Includes revenue transfer passengers. [2] Does not include income taxes.

Source of tables 638 and 639: *Bus Transportation*, Annual Review of Industry Progress Number; published by McGraw-Hill Publishing Co., Inc., New York, N. Y

No. 640.—Civil Aeronautics—Summary of Civil Flying: 1934 to 1951

[As of Dec. 31 or for year ending Dec. 31. See also *Historical Statistics*, series K 246-273]

ITEM	1934	1940	1945	1949	1950	1951
Miles of controlled civil airways	19,081	32,100	43,285	61,392	70,253	74,424
Total civil aircraft	8,322	17,928	37,789	[1] 92,622	[1] 92,809	[1] 88,545
Hours in civil flying (1,000)	846	3,200	(2)	[3] 11,031	(2)	(2)
Certificated airplane pilots	13,949	69,829	296,895	525,174	(2)	(2)
Miles flown, other than scheduled air carrier (thousands)	75,602	264,000	(2)	[4] 1,128,992	(2)	(2)
Instructional	17,360	126,264	(2)	378,660	(2)	(2)
Commercial [5]	20,980	31,961	(2)	166,138	(2)	(2)
Business	11,697	25,910	(2)	309,062	(2)	(2)
Pleasure	25,565	79,865	(2)	269,892	(2)	(2)
Fuel consumed (1,000 gallons):						
Gasoline	28,556	88,075	(2)	507,050	(2)	(2)
Oil	1,018	1,764	(2)	7,631	(2)	(2)
Radio range stations, total [6]	112	292	360	748	749	760
Low/medium frequency	112	290	344	378	378	375
Very high frequency		2	16	370	371	385
Nondirectional radio beacons [6]	73	48	88	120	141	152
Airport traffic control towers, federally operated [6]			107	162	172	157
Airway traffic control centers, federally operated [6]		11	29	30	31	31
Combined tower stations						19
Interstate airways communications stations	205	365	438	464	451	427
Airports in operation, as recorded by CAA, total	2,297	2,331	4,026	6,484	6,403	6,237
Municipal [7]	980	1,031	1,220	2,200	2,272	2,316
Commercial [8]	872	860	1,509	2,585	2,329	2,042
CAA intermediate [9]	259	289	216	139	76	57
All others [10]	186	151	1,081	1,560	1,726	1,822
Total accidents in non-air-carrier flying operations	1,491	3,471	4,652	5,459	4,505	(2)

[1] Includes gliders. [2] Not available. [3] Includes 48,000 hours not classified as to type of flying.
[4] Includes 5,240,000 miles not classified as to type of flying.
[5] Includes noncertificated irregular air carrier and noncertificated cargo-carrier operations (for which no comparable classification existed for 1934 and 1940), as well as contract, charter, and other revenue-producing operations.
[6] Data include continental United States, and Territories and possessions wherever applicable.
[7] Public use and public services, public control. [8] Public use and public services, private control.
[9] No public services, CAA control.
[10] Includes military (no public services, military control); no public services, private control; no public services, Federal Government control (Forest Service, etc.).

Source: Department of Commerce, Civil Aeronautics Administration and Civil Aeronautics Board. Published in *CAA Statistical Handbook of Civil Aviation*.

No. 641.—Civil Aeronautics—Scheduled Air Carrier Operating Revenues and Expenses: 1940 to 1950

[In thousands of dollars]

ITEM	DOMESTIC AIR CARRIERS				INTERNATIONAL AIR CARRIERS			
	1940	1945	1949	1950	1940	1945	1949	1950
Net operating income	5,967	34,117	24,301	63,240	1,256	7,346	21,292	11,808
Operating revenues, total	76,864	214,743	486,034	557,162	26,922	69,111	274,155	261,514
Passenger	53,308	166,520	388,930	443,852	8,812	38,859	158,480	160,673
Mail	20,090	33,693	59,333	63,772	13,439	12,246	75,197	55,689
Express and freight	2,078	10,835	27,987	35,109	893	7,315	22,127	21,664
Excess baggage	551	2,298	4,452	5,068	306	1,570	4,178	3,244
Other	836	1,396	5,331	9,360	3,472	9,121	14,173	20,244
Operating expenses, total	[1] 70,897	180,626	461,733	493,922	25,666	61,765	252,863	249,706
Aircraft	35,178	69,223	223,193	240,871	(2)	22,918	122,384	123,707
Flying operations	22,093	43,421	127,398	141,740	(2)	15,298	72,347	71,522
Direct maintenance flight equipment	7,496	16,393	54,028	57,792	(2)	5,199	26,311	26,324
Depreciation flight equipment	5,590	9,409	41,767	41,340	(2)	2,422	23,676	25,861
Ground and indirect expense	35,028	111,404	238,540	253,051	(2)	38,847	130,529	125,998

[1] Includes total operating expenses for Colonial; distribution by type not available.
[2] Not available.

Source: Department of Commerce, Civil Aeronautics Administration, and Civil Aeronautics Board. Published in *CAA Statistical Handbook of Civil Aviation*.

No. 642.—Civil Aeronautics—Summary of Scheduled Air Carrier Operations: 1934 to 1951

[As of Dec. 31 or for year ending Dec. 31. See also *Historical Statistics*, series K 246-273]

ITEM	1934	1940	1945	1949	1950	1951 (prel.)
Number of operators:						
Domestic	24	19	20	37	38	39
International	2	3	4	13	12	12
Route miles in operation	50, 801	95, 079	87, 401	181, 678	183, 841	187, 820
Domestic [1]	28, 609	42, 757	48, 516	72, 667	77, 440	79, 057
International [2]	22, 192	52, 322	38, 885	109, 011	106, 401	108, 763
Airplanes in service	522	437	518	1, 090	1, 120	1, 121
Domestic	423	369	421	913	960	981
International	99	68	97	177	160	140
Average available seats: [3]						
Domestic	8. 86	16. 54	19. 68	35. 03	37. 47	39. 55
International	(4)	18. 28	18. 91	36. 60	40. 96	46. 38
Average speed (miles per hour):						
Domestic	(4)	(4)	155. 4	179. 0	181. 2	184. 6
International	(4)	(4)	150. 7	207. 1	218. 4	223. 5
Fuel consumed (1,000 gal.):						
Gasoline	25, 136	74, 535	159, 911	518, 098	572, 246	(4)
Domestic	18, 925	65, 675	134, 824	375. 284	418, 442	(4)
International	6, 211	8, 860	25, 087	142, 814	153, 804	(4)
Oil	839	1, 288	2, 025	6, 365	6, 675	(4)
Domestic	669	1, 104	1, 710	4, 703	5, 007	(4)
International	170	184	316	1, 663	1, 668	(4)
Total personnel employed	6, 477	22, 051	68, 281	80, 994	82, 786	(4)
Domestic	4, 201	15, 984	50, 313	59, 886	61, 903	(4)
International	2, 276	6, 067	17, 968	21, 108	20, 883	(4)
Revenue miles flown (all services) (thousands)	49, 065	119, 753	241, 578	456, 171	458, 087	503, 634
Domestic	41, 526	110, 101	208, 969	351, 645	364, 256	406, 105
International	7, 539	9, 652	32, 609	104, 526	93, 831	97, 529
Revenue passengers carried	[5] 572, 265	[5] 2, 965, 398	7, 051, 810	16, 600, 771	19, 022, 420	24, 668, 959
Domestic	[5 6] 475, 461	[5] 2, 802, 781	6, 576, 252	15, 080, 704	17, 346, 943	22, 635, 838
International	[6] 96, 804	162, 617	475, 558	1, 520, 067	1, 675, 477	2, 033, 121
Revenue passenger miles flown, domestic (thousands)	[7] 189, 806	1, 052, 156	3, 362, 455	6, 752, 622	8, 002, 825	10, 566, 139
Average passenger-mile rate, domestic	$0. 059	$0. 0507	$0. 0495	$0. 0576	$0. 0555	(4)
Express and freight, ton-miles flown	(4)	(4)	30, 914, 363	179, 160, 196	211, 913, 648	214, 376, 496
Domestic	[8] 597, 293	3, 476, 224	22, 196, 852	123, 001, 652	151, 351, 080	143, 624, 865
International	(4)	(4)	8, 717, 511	56, 158, 544	60, 562, 568	70, 751, 631
Mail, ton-miles flown, domestic	[9] 2, 237, 175	10, 117, 858	[10] 65, 092, 921	[10] 41, 418, 293	[10] 47, 008, 947	[10] 63, 848, 335
Accidents, domestic: [11]						
Number of accidents	71	30	40	[12] 35	[12] 37	45
Revenue miles flown per accident	584, 869	3, 683, 789	5, 234, 222	[12] 10, 199, 315	[12] 10, 398, 433	(4)
Total fatalities	29	45	88	[12] 113	[12] 109	170
Fatalities per 1,000,000 revenue miles flown	0. 70	0. 41	0. 42	[12] 0. 32	[12] 0. 28	(4)
Accidents, international: [11]						
Number of accidents	2	6	5	9	6	10
Revenue miles flown per accident	3, 769, 553	1, 608, 622	6, 521, 741	11, 726, 715	16, 204, 929	(4)
Total fatalities	9	----------	27	----------	56	40
Fatalities per 1,000,000 revenue miles flown	1. 19	----------	0. 83	----------	0. 58	(4)

[1] 1934 as of Dec. 31; 1940 and 1945, averages for December; and 1949-51, based on fourth quarter.
[2] 1934 and 1940, as of Dec. 31; 1945, average for December; and 1949-51, based on fourth quarter.
[3] Obtained by dividing passenger seat miles by revenue miles flown in passenger service.
[4] Not available.
[5] Data for domestic passengers include duplication.
[6] Includes nonrevenue passengers.
[7] Includes nonrevenue miles.
[8] Excludes Colonial Airlines, Inc., and Hawaiian Airlines, Ltd.
[9] Excludes 224,236 ton-miles flown by U. S. Army.
[10] Excludes regular mail carried under special contract.
[11] Revenue operations accidents.
[12] Includes scheduled cargo carriers. (Includes nonscheduled operations.)

Source: Department of Commerce, Civil Aeronautics Administration, and Civil Aeronautics Board. Published in *CAA Statistical Handbook of Civil Aviation*.

No. 643.—Civil Airplane Output, by Power and Types: 1946 to 1951

ITEM	1946	1947	1948	1949	1950	1951
Airplanes produced, number	35,001	15,617	7,302	3,545	3,520	2,477
Under 3,000 lbs. airframe weight	34,568	15,339	7,039	3,379	3,391	2,279
3,000 lbs. airframe weight and over	433	278	263	166	129	198
Airplanes produced, by size:						
1- and 2-place	30,766	7,273	3,302	996	1,029	2,275
3- to 5-place	3,802	8,066	3,737	2,383	2,362	
Over 5-place	433	278	263	166	129	202
Airplanes produced, by horsepower:[1]						
1–74	20,659	2,372	2,990	930	597	2,273
75–99	9,122	4,690				
100–399	4,736	8,246	4,026	2,441	2,789	
400–3,999	345	129	286	174	134	204
4,000 and over	139	180				

[1] Total rated horsepower of all engines.

Source: Department of Commerce, Civil Aeronautics Administration and Bureau of Census. Published in *CAA Statistical Handbook of Civil Aviation.*

No. 644.—Civil Aeronautics—Domestic Scheduled Air Carrier Personnel: 1934 to 1950

TYPE OF PERSONNEL	1934	1940	1945	1948	1949	1950
Total	**4,201**	**15,984**	**50,313**	**60,416**	**59,886**	**61,903**
Pilots and copilots	667	1,939	4,967	5,307	5,257	5,785
Other flight personnel	----------	18	108	312	642	776
Pursers, stewards, stewardesses	----------	914	2,075	3,038	3,199	3,372
Meteorologists and dispatchers	----------	193	2,613	2,612	2,497	2,450
Mechanics	1,650	4,054	10,844	16,428	15,674	15,788
Other hangar and field personnel	923	1,880	7,012	9,222	9,336	9,822
Office employees	961	5,855	19,241	21,396	21,136	21,894
All others	----------	1,131	3,453	2,101	2,145	2,016

Source: Department of Commerce, 1934 and 1940, Civil Aeronautics Administration; 1945–50, Civil Aeronautics Board. Published in *CAA Statistical Handbook of Civil Aviation.*

No. 645.—Employment, Hours, and Earnings in Aircraft Industries (Annual Averages): 1947 to 1951

ITEM	1947	1948	1949	1950	1951
EMPLOYMENT[1] (Prime contracting plants)					
All plants, number of employees	(2)	194,176	216,791	231,342	(2)
Airframe plants	151,242	151,163	167,595	180,187	300,363
Engine plants	33,830	35,101	40,763	42,584	60,340
Propeller plants	(2)	7,912	8,433	8,571	(2)
HOURS AND EARNINGS					
Average weekly earnings:					
Aircraft industries	$53.99	$60.21	$62.69	$67.15	(2)
Aircraft engines and parts industries	$56.30	$63.40	$65.24	$71.40	(2)
Average hourly earnings:					
Aircraft industries	$1.360	$1.465	$1.548	$1.622	(2)
Aircraft engines and parts industries	$1.411	$1.550	$1.603	$1.696	(2)
Average weekly hours:					
Aircraft industries	39.7	41.1	40.5	41.4	(2)
Aircraft engines and parts industries	39.9	40.9	40.7	42.1	(2)

[1] Data for week ending nearest middle of month.
[2] Not available.

Source: Department of Labor, Bureau of Labor Statistics, and Department of Commerce, Civil Aeronautics Administration, and Bureau of Census. Published in *CAA Statistical Handbook of Civil Aviation.*

No. 646.—Airports, and Airfields, by Class and by Type, by States: Jan. 1, 1952

[Data cover existing airports and airfields recorded with Civil Aeronautics Administration. See also *Historical Statistics*, series K 257-258 for total and lighted airports]

State	Total	Class						Type [2]					
		I (incl. Sub I) (1)	II	III	IV	V	VI and over	Commercial	Municipal	CAA intermediate	Military	Miscellaneous government	Private
Total	**6,237**	**3,871**	**993**	**573**	**453**	**180**	**167**	**2,042**	**2,316**	**57**	**346**	**145**	**1,331**
Alabama	84	40	17	14	10	1	2	20	39	------	16	2	7
Arizona	175	71	43	31	14	13	3	25	44	1	26	27	52
Arkansas	85	55	11	10	9	------	------	23	34	------	------	------	28
California	510	285	77	53	38	33	24	151	161	4	46	10	138
Colorado	105	51	25	22	1	------	6	29	54	2	2	------	18
Connecticut	25	16	1	2	5	1	------	13	8	------	------	------	4
Delaware	19	12	3	1	1	------	2	9	2	------	1	------	7
Dist. of Columbia	3	------	------	------	1	1	1	------	1	------	2	------	------
Florida	176	43	24	38	41	11	19	37	82	2	50	------	5
Georgia	114	44	18	21	23	2	6	12	58	1	10	------	33
Idaho	151	123	16	7	2	------	3	11	82	------	1	27	30
Illinois	169	100	43	13	9	4	------	104	42	------	4	------	19
Indiana	132	84	28	10	8	2	------	84	36	------	4	------	8
Iowa	166	137	15	5	8	------	1	42	57	1	2	------	64
Kansas	184	122	26	14	5	9	8	37	98	------	9	------	40
Kentucky	51	38	3	5	4	------	1	19	14	------	2	------	16
Louisiana	86	47	14	12	8	2	3	13	37	------	4	------	32
Maine	64	39	6	12	2	2	3	19	25	------	4	------	16
Maryland	49	23	12	4	6	------	4	23	7	------	6	1	12
Massachusetts	74	44	11	9	7	------	3	42	23	------	5	------	4
Michigan	249	177	42	13	13	1	3	78	125	------	5	2	39
Minnesota	117	72	34	5	4	1	1	31	84	------	1	1	------
Mississippi	86	48	12	16	8	1	1	27	32	1	8	------	18
Missouri	104	69	17	10	5	3	------	40	49	1	1	------	13
Montana	118	85	15	6	6	2	4	15	81	1	1	15	5
Nebraska	134	102	12	5	2	2	11	34	70	1	1	1	27
Nevada	71	38	4	10	9	9	1	13	13	5	5	24	11
New Hampshire	34	24	4	3	2	------	1	16	12	------	1	------	5
New Jersey	78	52	12	7	5	1	1	61	8	------	4	------	5
New Mexico	94	45	18	7	10	7	7	16	29	8	4	4	33
New York	243	179	29	12	16	5	2	114	47	------	9	------	73
North Carolina	136	82	19	18	11	2	4	69	36	------	11	2	18
North Dakota	130	107	13	2	8	------	------	34	64	4	------	1	27
Ohio	232	170	39	9	9	2	3	147	41	2	4	1	37
Oklahoma	147	90	21	13	13	7	3	34	84	------	5	------	24
Oregon	123	84	9	11	13	4	2	31	45	2	1	12	32
Pennsylvania	208	158	28	14	7	1	------	139	46	1	6	------	16
Rhode Island	10	5	1	1	1	2	------	5	3	------	2	------	------
South Carolina	64	28	13	3	11	6	3	16	36	1	5	1	5
South Dakota	73	50	10	6	3	2	2	17	48	------	1	------	7
Tennessee	63	39	13	3	5	3	------	23	26	1	3	------	10
Texas	637	372	126	53	46	26	14	123	169	4	44	2	295
Utah	59	23	14	13	3	5	1	8	37	6	3	1	4
Vermont	21	17	------	3	1	------	------	10	10	------	1	------	------
Virginia	131	88	19	9	11	2	2	63	29	1	14	2	22
Washington	176	111	25	11	17	3	9	47	73	1	11	8	36
West Virginia	55	41	8	2	3	1	------	25	14	2	------	------	14
Wisconsin	169	118	33	13	3	------	2	84	66	2	1	------	16
Wyoming	53	23	10	12	6	1	1	9	35	2	------	1	6

[1] Sub I facilities are those which do not come up to Class I standards.

[2] Airport and airfield type definitions: Commercial—Public use and public services, private control. Municipal—Public use and public services, public control. CAA intermediate—No public services, CAA control. Military—No public services, military control. Private—No public services, private control. Miscellaneous government—No public services, Federal government control (Forest Service, etc.).

Source: Department of Commerce, Civil Aeronautics Administration; *Statistical Handbook of Civil Aviation.*