

Section 17

Business Enterprise

This section relates in general to the place and behavior of the business firm and of business initiative in the American economy. It includes data on the number of businesses; assets and liabilities of corporations; types of business income and expenditures; business sales and inventories; employment and payrolls for businesses subject to the Federal Insurance Contributions Act; and consumer cooperatives.

The principal sources of these data are the *Survey of Current Business* and *The National Income and Product Accounts of the United States, 1929-1965*, published by the Office of Business Economics; *County Business Patterns* issued by the Bureau of the Census; the *Federal Reserve Bulletin* issued by the Board of Governors of the Federal Reserve System; the annual *Statistics of Income* reports of the Internal Revenue Service; and monthly statements issued by Dun & Bradstreet, Inc. Other sources are publications of the Securities and Exchange Commission, the Federal Trade Commission and the Administrative Office of the United States Courts.

Business firms.—A business firm is generally defined as a business organization under a single management and may include one or more plants or outlets; a firm doing business in more than one industry is classified by industry according to the major activity of the firm as a whole. The Internal Revenue Service concept of business firm relates primarily to the legal entity used for tax reporting purposes. Its *Statistics of Income* reports present data separately for sole proprietorships, partnerships, and corporations. While a few corporations file consolidated tax returns (i.e., one return for the parent firm and all its subsidiaries), most corporate tax returns represent individual corporations, some of which are affiliated through common ownership or control with other corporations filing separate returns.

Employment and payrolls.—*County Business Patterns* provides information, by industry and by county, on employment, taxable payrolls, and number and employment-size of reporting units of private non-farm employers, and of non-profit membership organizations under compulsory coverage and of religious, charitable, educational, and other non-profit organizations covered under the elective provisions of the Federal Insurance Contributions Act (FICA).

The statistics in *County Business Patterns* are tabulated in terms of "reporting units." Each *manufacturing* location of a company is counted as a separate reporting unit. However, data for all *nonmanufacturing* locations of a given firm (i.e., separate legal entity) that are in the same kind of business and same county are consolidated into a single reporting unit, regardless of the number of locations operated.

Industrial and commercial failures.—These data, collected by Dun & Bradstreet, are available by years since 1857 and by months since 1900. The number of failures includes concerns involved in court proceedings or voluntary actions likely to end in loss to creditors; discontinuances with outside obligations paid in full are not included. Data cover manufacturers, wholesalers, retailers, building contractors, and certain types of commercial service, but do not encompass finance, insurance, and real estate companies; railroads and steamship lines; and amusement enterprises. Failures data are published monthly in *Dun's Review*.

Corporate assets and liabilities.—Data on corporate assets and liabilities are from the Internal Revenue Service and the Securities and Exchange Commission. In its annual report, *Statistics of Income, Corporation Income Tax Returns*, the Internal Revenue Service presents balance sheet and income account data for all active United States corporations. In a quarterly release entitled *Net Working Capital of U.S. Corporations*, the Securities and Exchange Commission publishes data on the net working

capital position of all United States corporations, exclusive of banks, savings and loan associations, insurance companies, and investment companies, showing the principal components of current assets and liabilities.

Corporate income, profits, dividends, and taxes.—Several agencies (the Internal Revenue Service, the Office of Business Economics, and the Federal Reserve Board) compile corporate income account data. These data, however, are not comparable because of differing methods of compilation.

The Internal Revenue Service publishes financial data for all business enterprises, both corporate and noncorporate, based on income tax returns filed by sole proprietorships, partnerships, and corporations. These data appear in *Statistics of Income—U.S. Business Tax Returns* and *Corporation Income Tax Returns*.

The corporate data issued by the Office of Business Economics are a part of its national income and product accounts and are defined as required for purposes of national income estimation. The primary sources of data for the estimates of profits, taxes, dividends, and undistributed profits are the original corporate tax returns submitted to the Internal Revenue Service. Various adjustments of the *Statistics of Income* data are required by the national income treatment, particularly with respect to depletion, capital gain or loss, and intercorporate dividends, and because the original corporate income statements do not represent the final stage of information.

Federal Reserve Board data relating to profits and dividends apply to particular industrial segments only, such as large manufacturing and public utility corporations.

Sources and uses of corporate funds.—These data indicate capital requirements of corporations and the manner in which they are financed. Sources of funds are equal to their uses. Certain discrepancies, however, interfere with this equality due to omission of such factors as (1) money accruing to corporations from an excess of sales over purchases of used plant and equipment, and (2) transactions in securities held as permanent investments except public offerings.

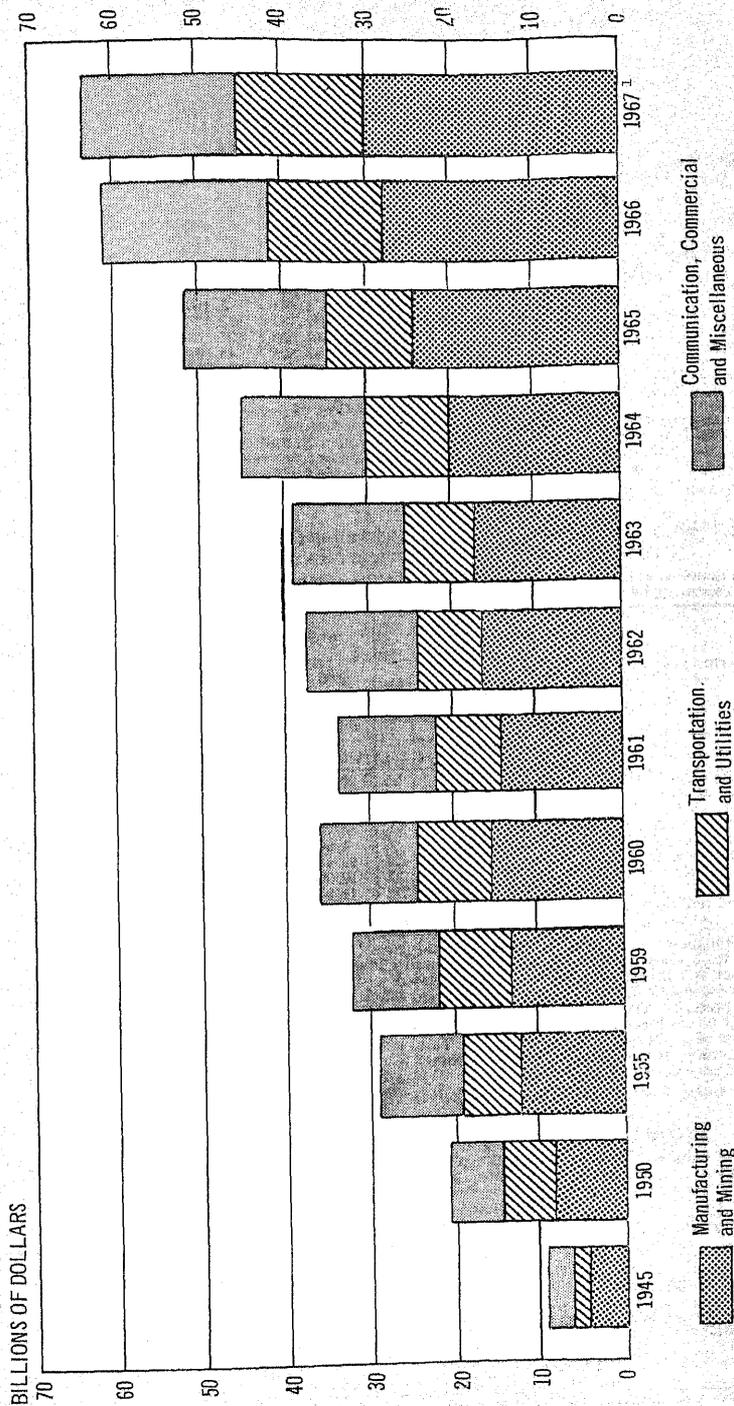
Business sales and inventories.—Business sales and inventories as defined by the Office of Business Economics are the sum of data for manufacturing, merchant wholesalers, and retail trade. Sales are estimated aggregate values and inventories are book values at the end of the period. Sales signifies sales or shipments for retail and wholesale trade and billings or shipments for manufacturing. Trade inventories are valued at cost of merchandise on hand, while manufacturers' inventories are valued at approximate current costs or at book values, as reported by the manufacturer. Inventories data for manufacturing (see table 704) are based on data from the *Census of Manufactures* and the *Annual Survey of Manufactures*.

Net change in business inventories.—To ascertain net physical change in nonfarm inventories, book values of beginning and ending inventories of each year are expressed in terms of constant base year prices by means of selected Bureau of Labor Statistics wholesale price indexes appropriate to each industry. Net increment in deflated book value figures is then converted to a current price basis by index ratios of current prices to base year prices. No inventory valuation adjustment is shown for farm inventories because change in farm inventories is estimated by the Department of Agriculture from physical quantity data.

Plant and equipment expenditures.—A joint survey by the Securities and Exchange Commission and the Department of Commerce presents quarterly data on actual plant and equipment expenditures, and on anticipated expenditures for the next two or three quarters. In addition, at the beginning of each year, a survey is made of plans of business as regards capital expenditures during that year. The data are based on reports submitted by corporations registered with the Securities and Exchange Commission, by transportation companies under Interstate Commerce Commission jurisdiction, and by a large sample of nonregistered companies, unincorporated as well as corporate, reporting to the Department of Commerce.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

FIG. XXXI. BUSINESS EXPENDITURES FOR NEW PLANT AND EQUIPMENT: 1945 TO 1967
 [See table 707]



¹ Estimated; see footnote 1, table 707.
 source: Chart prepared by Dept. of Commerce, Bureau of the Census. Data from Securities and Exchange Commission and Dept. of Commerce, Office of Business Economics.

No. 681. SOLE PROPRIETORSHIPS, PARTNERSHIPS, AND CORPORATIONS—NUMBER, RECEIPTS, DEDUCTIONS, AND PROFIT: 1939 TO 1964

[Number in thousands; money figures in millions of dollars. See headnote, table 682]

ITEM	1939	1945	1953	1960	1961	1962	1963	1964
SOLE PROPRIETORSHIPS ¹								
Number.....	1,052	5,889	7,715	9,090	9,242	9,183	9,136	9,193
Business receipts ²	23,505	79,028	143,792	171,257	170,981	178,420	181,551	188,753
Deductions ³	⁴ 21,027	66,957	(N.A.)	⁵ 7,097	⁶ 6,912	154,523	157,781	163,182
Net profit (less loss) ⁷	2,478	12,069	17,007	21,067	22,697	23,895	23,771	25,566
ACTIVE PARTNERSHIPS								
Number.....	271	627	959	941	939	932	924	922
Total receipts ⁷	14,763	47,301	79,985	74,308	74,707	73,673	73,274	74,822
Deductions ⁸	13,199	40,534	71,591	65,848	66,018	65,159	64,606	65,578
Net profit (less loss) ⁹	1,564	6,768	8,394	8,360	8,689	8,513	8,668	9,244
ACTIVE CORPORATIONS								
Number.....	470	421	698	1,141	1,190	1,268	1,323	1,374
Total receipts ⁸	132,878	255,448	558,242	849,132	873,178	949,305	1,008,743	1,086,739
Deductions ⁹	125,700	234,102	518,441	804,633	820,144	898,463	953,006	1,023,680
Net profit (less loss) ⁹	6,735	21,139	39,485	43,505	45,894	49,606	54,285	61,575

 NA Not available. ¹ Individually owned businesses and farms.

² Receipts from sales and services less allowances, rebates, and returns; excludes capital gains or losses, and investment income not associated with the business. ³ Cost of goods sold, depreciation, and other expenses.

⁴ Excludes depreciation. ⁵ Depreciation only. ⁶ See footnote 4, table 682. ⁷ The sum of business receipts and such items as interest, rents, nonqualifying dividends, and other income. ⁸ Gross taxable receipts before deduction of goods sold, cost of operations, and net loss from sales of property other than capital assets. Also includes nontaxable interest; excludes all other nontaxable income recognized by the corporation.

 Source: Treasury Dept., Internal Revenue Service; *Statistics of Income, U.S. Business Tax Returns*.

No. 682. SOLE PROPRIETORSHIPS, PARTNERSHIPS, AND CORPORATIONS—NUMBER, RECEIPTS, AND NET PROFIT, BY INDUSTRY GROUP: 1964

[Number in thousands; money figures in millions of dollars. Based on sample of unaudited tax returns filed for accounting periods ending between July 1 of year shown and June 30 of following year]

INDUSTRY GROUP	NUMBER ¹			BUSINESS RECEIPTS ^{1 3}			NET PROFIT (less loss) ^{1 4}		
	Sole proprietorships ²	Active partnerships	Active corporations	Sole proprietorships ²	Active partnerships	Active corporations	Sole proprietorships ²	Active partnerships	Active corporations
Total.....	9,193	922	1,374	188,738	73,252	1,018,889	25,556	9,244	61,575
Agric., forestry, and fisheries.....	3,289	130	26	29,532	4,929	5,966	2,999	611	139
Mining.....	33	14	14	985	976	12,709	⁵ 47	23	1,228
Construction.....	695	57	104	17,101	6,616	48,776	2,335	682	943
Manufacturing.....	185	40	185	6,709	6,543	453,157	706	608	32,556
Transp., comm., elec., gas ⁶	292	16	56	4,861	1,081	79,450	731	141	9,739
Wholesale and retail trade ¹	1,864	249	422	93,454	35,286	329,056	6,294	2,258	6,633
Wholesale.....	296	36	143	19,003	11,718	157,538	1,478	592	2,908
Retail.....	1,529	209	272	71,972	23,103	168,017	4,665	1,636	3,596
Fin., ins., and real estate.....	543	246	384	6,109	6,185	57,201	1,978	852	9,182
Services.....	2,240	167	177	29,290	11,609	32,487	10,466	4,064	1,169

¹ Includes business not allocable to individual industries. ² Individually owned businesses and farms.

³ Receipts from sales and services less returns and allowances: (a) For sole proprietorships, excludes capital gains or losses and investment income not associated with the taxpayer's business; (b) For partnerships and corporations engaged in finance, insurance, and real estate, excludes a sizable part of income because reporting instructions prescribe separate entries for investment income.

⁴ Net profit or net income less loss or deficit: (a) Sole proprietorships: Business receipts less total deductions, including cost of goods sold; (b) Partnerships: Total receipts less total deductions, including cost of goods sold. Net profit includes investment and other income; (c) Corporation returns: Gross income subject to tax, less ordinary and necessary business deductions. ⁵ Net loss exceeds net profit. ⁶ Includes sanitary services.

 Source: Treasury Dept., Internal Revenue Service; *Statistics of Income, 1964, U.S. Business Tax Returns*.

No. 683. INCOME OF UNINCORPORATED ENTERPRISES, BY INDUSTRY: 1940 TO 1965

[In millions of dollars. Prior to 1960, excludes Alaska and Hawaii. Income equals business receipts (exclusive of capital gains and expenses) less business expenses (exclusive of capital losses and depletion allowances)]

INDUSTRY	1940	1945	1950	1955	1960	1964	1965
All industries.....	13,090	31,528	38,569	41,899	46,228	51,945	56,119
Agriculture, forestry, and fisheries.....	4,529	12,371	13,860	11,868	12,394	12,568	15,660
Mining.....	69	129	295	339	276	246	239
Contract construction.....	697	1,094	3,088	3,167	3,357	3,921	4,039
Manufacturing.....	523	2,365	2,047	2,035	1,841	1,876	1,936
Wholesale and retail trade.....	3,904	9,683	10,076	11,143	11,503	12,305	12,500
Finance, insurance, and real estate.....	433	899	1,831	2,915	3,163	3,418	3,482
Transportation.....	286	432	655	754	794	1,007	1,071
Communications and public utilities.....	7	23	34	61	71	103	110
Services.....	2,642	4,532	6,683	9,617	12,829	16,501	17,082

 Source: Dept. of Commerce, Office of Business Economics; *The National Income and Product Accounts of the United States, 1929-1965*.

Proprietorships and Partnerships

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No. 684. SOLE PROPRIETORSHIPS AND PARTNERSHIPS—NUMBER, BUSINESS RECEIPTS, AND NET PROFIT, STATES AND OTHER AREAS: 1963

[Number in thousands; money figures in millions of dollars. Totals in this table differ slightly from totals shown in other tables in this section based on Internal Revenue Service data because of minor variations between estimating techniques for deriving subnational and national statistics. See headnote, table 682]

STATE OR OTHER AREA	SOLE PROPRIETORSHIPS ¹			PARTNERSHIPS		
	Number of businesses	Business receipts ²	Net profit (less loss) ³	Number of partnerships	Business receipts ²	Net profit (less loss) ³
Total	9,138	181,430	23,758	924	71,732	8,666
New England	389	8,014	1,392	36	2,272	370
Maine.....	52	822	116	3	166	26
New Hampshire.....	29	549	81	2	122	14
Vermont.....	25	562	53	2	94	7
Massachusetts.....	167	3,579	669	14	1,060	181
Rhode Island.....	26	516	94	3	166	26
Connecticut.....	90	1,986	379	12	664	116
Middle Atlantic	1,233	28,599	4,429	179	15,013	1,929
New York.....	606	13,643	2,327	98	8,503	1,162
New Jersey.....	203	4,850	827	31	2,264	311
Pennsylvania.....	424	10,106	1,275	50	4,246	426
East North Central	1,877	34,516	5,188	171	12,315	1,683
Ohio.....	456	7,756	1,243	37	2,059	341
Indiana.....	305	4,647	692	19	1,349	187
Illinois.....	508	10,805	1,640	61	4,802	612
Michigan.....	339	7,181	966	35	2,982	372
Wisconsin.....	269	4,127	647	19	1,123	171
West North Central	1,382	23,472	2,986	100	6,738	845
Minnesota.....	258	4,270	501	20	1,202	165
Iowa.....	300	5,290	680	24	1,492	191
Missouri.....	84	4,547	609	23	1,634	214
North Dakota.....	301	1,139	221	4	233	34
South Dakota.....	86	1,391	158	5	268	31
Nebraska.....	155	2,937	381	11	864	91
Kansas.....	198	3,898	427	13	1,015	119
South Atlantic	1,154	21,021	2,587	102	6,850	883
Delaware.....	18	411	42	1	118	13
Maryland.....	120	2,645	409	11	850	120
District of Columbia.....	23	286	77	4	364	69
Virginia.....	170	2,799	346	14	938	125
West Virginia.....	66	1,046	137	9	280	34
North Carolina.....	261	4,057	499	18	1,085	136
South Carolina.....	95	1,705	155	7	579	72
Georgia.....	171	3,637	345	14	1,268	136
Florida.....	230	4,635	577	24	1,368	178
East South Central	675	10,574	1,092	54	4,871	489
Kentucky.....	224	2,677	373	16	1,020	123
Tennessee.....	220	3,650	351	19	1,698	159
Alabama.....	131	2,634	212	11	1,370	128
Mississippi.....	100	1,713	156	8	783	79
West South Central	1,014	20,703	1,751	89	8,162	824
Arkansas.....	117	1,844	215	9	844	85
Louisiana.....	121	2,873	292	11	1,030	127
Oklahoma.....	183	3,095	272	12	1,244	126
Texas.....	593	12,891	972	57	5,044	486
Mountain	410	8,599	905	45	2,942	337
Montana.....	50	1,021	126	5	291	43
Idaho.....	61	1,115	109	4	286	38
Wyoming.....	25	594	46	3	188	13
Colorado.....	107	2,125	262	13	853	106
New Mexico.....	44	938	80	5	334	37
Arizona.....	56	1,450	136	7	425	40
Utah.....	46	865	91	5	370	38
Nevada.....	15	493	55	3	195	24
Pacific	996	25,883	3,423	144	12,569	1,302
Washington.....	146	3,207	445	16	1,155	145
Oregon.....	106	2,263	285	13	1,268	150
California.....	710	19,739	2,594	111	9,918	974
Alaska.....	10	224	23	1	77	10
Hawaii.....	24	450	76	3	151	23
Other areas ⁴	4	49	2	-	-	-

- Represents zero.

¹ Individually owned businesses and farms. ² Receipts from sales and services less allowances, rebates, and returns; excludes capital gains or losses, and investment income not associated with the taxpayer's business.

³ For sole proprietorships: Business receipts less total deductions, including cost of goods sold. For partnerships: Total receipts less total deductions, including cost of goods sold; includes investment and other income.

⁴ Includes U.S. possessions.

Source: Treasury Dept., Internal Revenue Service; *Statistics of Income, 1963, U.S. Business Tax Returns.*

No. 685. SOLE PROPRIETORSHIPS—NUMBER, RECEIPTS, AND NET PROFIT, BY INDUSTRY AND SIZE OF NET PROFIT: 1964

[Number in thousands; money figures in millions of dollars. Covers individually owned businesses and farms. See headnote, table 682]

ITEM	Total	SIZE OF NET PROFIT							With no net profit
		Under \$2,000	\$2,000 to \$4,999	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 and over	
All industrial divisions: ¹									
Number	9, 193	3, 493	1, 892	1, 006	310	143	82	142	2, 125
Business receipts ²	188, 738	23, 517	38, 764	42, 996	21, 286	12, 331	8, 745	21, 418	19, 081
Net profit (less loss) ³	25, 556	2, 802	6, 250	6, 964	3, 760	2, 456	1, 827	5, 541	4, 044
Agric., forestry, fisheries:									
Number	3, 289	1, 331	541	196	40	12	6	8	1, 155
Business receipts ²	29, 532	6, 581	7, 569	5, 121	1, 793	672	541	1, 022	6, 233
Net profit (less loss) ³	2, 999	1, 010	1, 745	1, 315	485	203	122	275	2, 156
Mining:									
Number	33	10	4	3	1	(⁴)	(⁵)	1	13
Business receipts ²	985	72	66	123	85	(⁴)	31	225	347
Net profit (less loss) ³	⁵ 47	8	13	21	14	(⁴)	7	70	185
Construction:									
Number	695	274	207	108	26	9	5	6	60
Business receipts ²	17, 101	1, 595	3, 379	4, 298	2, 195	1, 258	937	2, 047	1, 392
Net profit (less loss) ³	2, 335	255	684	743	316	161	113	217	154
Manufacturing:									
Number	185	63	40	24	10	4	2	4	38
Business receipts ²	6, 709	590	1, 022	1, 341	857	520	414	1, 365	600
Net profit (less loss) ³	706	53	137	171	122	72	52	179	80
Transp., communication, electric, gas, sanitary services:									
Number	292	110	78	36	8	3	2	2	53
Business receipts ²	4, 861	714	1, 066	1, 078	481	279	167	425	651
Net profit (less loss) ³	731	100	257	245	101	46	34	62	114
Wholesale and retail trade:									
Number	1, 864	595	442	294	90	37	17	22	367
Business receipts ²	93, 454	10, 247	19, 726	24, 128	11, 687	6, 515	4, 243	8, 903	8, 005
Net profit (less loss) ³	6, 294	491	1, 495	2, 048	1, 080	624	383	817	644
Finance, insurance, real estate:									
Number	543	195	107	83	30	13	7	8	100
Business receipts ²	6, 109	598	1, 003	1, 405	827	470	300	835	581
Net profit ³	1, 978	156	359	584	362	229	148	319	179
Services:									
Number	2, 240	890	462	259	104	64	43	91	327
Business receipts ²	29, 290	3, 020	4, 733	5, 393	3, 294	2, 542	1, 955	6, 560	1, 793
Net profit (less loss) ³	10, 466	710	1, 526	1, 818	1, 266	1, 109	961	3, 592	516

 Z Less than \$500. ¹ Includes business not allocable to individual industries.

² See footnote 3, table 682. ³ See footnote 4, table 682.

⁴ Estimate not shown so parately because of high sampling variability; however, data are included in totals.

⁵ Net loss exceeds net profit.

 Source: Treasury Dept., Internal Revenue Service; *Statistics of Income, 1964, U.S. Business Tax Returns*, and unpublished data.

No. 686. REPORTING UNITS, EMPLOYMENT, AND PAYROLLS UNDER SOCIAL SECURITY—MAJOR INDUSTRY GROUP: 1962 AND 1965

[See headnote, table 687]

INDUSTRY GROUP	1962			1965		
	Total reporting units	Employees, mid-March (1,000)	Taxable payrolls, Jan.-Mar. (mil. dol.)	Total reporting units	Employees, mid-March (1,000)	Taxable payrolls, Jan.-Mar. (mil. dol.)
Total	3, 347, 647	43, 512	51, 556	3, 521, 554	47, 743	60, 535
Agric., forestry, and fisheries	26, 794	130	99	29, 285	152	126
Mining	29, 246	622	903	29, 114	599	944
Contract construction	296, 121	2, 426	3, 205	319, 205	2, 824	4, 092
Manufacturing	289, 742	16, 414	22, 583	298, 930	17, 595	26, 006
Transportation and other public utilities	122, 297	3, 011	4, 207	128, 659	3, 219	4, 869
Wholesale trade	283, 978	3, 240	4, 590	303, 610	3, 435	5, 282
Retail trade	1, 052, 027	8, 045	6, 632	1, 083, 206	8, 964	7, 856
Finance, insurance, and real estate	304, 411	2, 723	3, 246	325, 243	3, 014	3, 822
Services	862, 688	6, 615	5, 869	935, 797	7, 709	7, 373
Unclassified establishments	80, 343	286	222	68, 605	232	185

 Source: Dept. of Commerce, Bureau of the Census; *County Business Patterns, U.S. Summary, 1964 and 1966*.

Reporting Units Under Social Security

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No. 687. EMPLOYEES, TAXABLE PAYROLLS, AND REPORTING UNITS UNDER SOCIAL SECURITY—STATES AND OTHER AREAS: 1965

[Based on reports of employers under the Federal Insurance Contribution Act. A reporting unit is, generally, a single establishment; however, for nonmanufacturing industries, a group of similar establishments of an employer located in the same county are also considered one reporting unit. Data for the following types of employment covered by the social security program in whole or in part are excluded: Farm workers, domestic workers, self-employed persons, members of the uniformed services of the United States, Federal civilian employees, employees of State and local governments. Also excludes railroad employment subject to the Railroad Retirement Act and employment on oceanborne vessels. Employment-size class refers to the number of employees in the mid-March pay period]

STATE OR OTHER AREA	Employees mid-March (1,000)	Taxable payrolls, Jan.-Mar. (mil. dol.)	REPORTING UNITS							
			Total	Employment-size class						
				1 to 3 ¹	4 to 7	8 to 10	20 to 99	100 to 249	250 to 499	500 or more
U.S.	47,743	60,535	3,521,554	1,971,173	672,246	520,917	293,694	41,308	12,969	9,247
Ala.	666	709	50,192	26,771	10,421	8,020	4,042	607	210	121
Alaska	32	58	3,818	2,162	810	550	259	30	5	2
Ariz.	307	376	27,682	15,727	5,535	3,934	2,115	263	65	43
Ark.	334	307	33,622	19,128	6,761	4,990	2,286	296	114	47
Calif.	4,513	6,613	340,594	187,223	68,793	50,027	29,003	3,741	1,078	729
Colo.	420	514	40,186	23,168	7,694	5,802	3,042	350	73	57
Conn.	883	1,202	53,976	30,330	9,976	7,842	4,709	645	257	217
Del.	149	214	9,117	4,709	1,903	1,467	851	122	31	34
D.C.	305	395	17,879	8,760	3,516	3,150	2,002	321	70	60
Fla.	1,302	1,412	117,329	66,355	22,104	17,295	9,925	1,193	272	185
Ga.	981	1,027	71,293	37,684	14,534	11,486	6,174	912	312	191
Hawaii	152	175	11,242	5,424	2,307	2,076	1,210	161	41	23
Idaho.	126	141	14,344	8,258	2,884	2,128	988	98	23	15
Ill.	3,147	4,317	198,359	113,281	34,785	28,567	17,345	2,759	906	716
Ind.	1,311	1,739	83,282	46,385	15,650	12,534	6,909	1,038	371	296
Iowa.	558	629	59,466	36,250	10,866	8,175	3,573	400	125	77
Kans.	422	476	47,086	28,205	8,748	6,594	3,133	295	67	44
Ky.	558	616	48,823	27,848	9,396	7,237	3,649	434	150	100
La.	683	774	55,270	29,580	10,895	8,831	5,016	670	173	105
Maine.	219	224	19,620	11,870	3,512	2,659	1,257	193	83	46
Md.	809	998	51,822	26,139	10,796	8,721	5,086	718	207	155
Mass.	1,659	2,044	103,353	53,438	21,100	16,601	9,793	1,537	524	360
Mich.	2,194	3,286	133,873	76,626	23,882	19,470	11,268	1,608	549	461
Minn.	799	979	64,913	35,898	12,938	9,934	5,164	669	182	138
Miss.	348	310	32,023	18,072	6,365	4,776	2,340	302	124	44
Mo.	1,176	1,443	87,640	49,692	16,125	13,049	7,140	1,064	359	211
Mont.	114	129	15,208	8,998	3,146	2,090	862	72	22	9
Nebr.	294	311	32,247	19,270	6,148	4,372	2,147	203	63	44
Nev.	118	172	9,255	4,878	2,073	1,480	679	81	35	29
N.H.	173	185	14,194	8,273	2,604	2,012	1,042	157	70	36
N.J.	1,846	2,496	126,729	73,331	22,106	17,384	11,187	1,751	564	406
N. Mex.	170	196	18,541	10,297	3,997	2,798	1,274	132	29	14
N.Y.	5,445	7,581	379,420	214,201	71,036	53,824	33,143	4,744	1,377	1,095
N.C.	1,162	1,129	79,801	42,713	15,816	12,732	6,800	1,146	437	247
N. Dak.	91	90	13,054	7,875	2,528	1,814	752	73	8	4
Ohio.	2,748	3,771	168,494	92,558	31,936	25,408	14,937	2,221	782	652
Okla.	476	532	49,478	29,116	9,114	7,081	3,636	384	88	59
Oreg.	448	574	41,156	23,168	8,093	5,992	3,349	440	112	62
Pa.	3,215	4,015	197,039	108,555	37,697	28,593	17,419	3,034	1,026	715
R.I.	254	270	18,480	10,155	3,548	2,753	1,640	241	79	64
S.C.	543	524	37,349	20,489	7,469	5,747	2,879	425	178	162
S. Dak.	85	92	14,543	9,105	2,694	1,924	754	53	7	6
Tenn.	965	897	61,397	33,759	11,857	9,393	5,140	767	284	197
Tex.	2,314	2,607	200,327	114,709	36,919	28,959	16,633	2,198	665	344
Utah.	200	241	17,704	9,564	3,651	2,839	1,431	147	43	29
Vt.	93	98	9,187	5,402	1,703	1,301	647	95	20	19
Va.	910	966	65,699	34,250	13,030	11,007	6,176	810	262	164
Wash.	651	890	58,186	33,882	11,167	8,101	4,299	495	148	94
W. Va.	392	448	29,494	17,208	5,323	4,387	2,123	279	88	86
Wis.	1,045	1,303	79,150	45,437	14,578	11,776	5,937	897	293	232
Wyo.	59	70	8,528	4,997	1,768	1,217	499	37	9	1
Other areas:										
P.R.	287	196	16,837	8,329	3,177	2,773	1,964	425	124	45
Am. Samoa.	1	(Z)	86	47	16	9	9	2	3	-
Guam.	6	5	437	167	90	93	81	6	-	-
V.I.	11	9	907	395	200	181	118	10	3	-

- Represents zero. Z Less than \$500,000.

¹ Includes reporting units having payroll during the quarter but no employees during mid-March pay period.

Source: Dept. of Commerce, Bureau of the Census; *County Business Patterns, U.S. Summary, 1965*, and *County Business Patterns, Puerto Rico and Outlying Areas, 1965*.

No. 688. REPORTING UNITS UNDER SOCIAL SECURITY ACT, BY EMPLOYMENT SIZE—
MAJOR INDUSTRY GROUPS: 1965

[See table 686 for industry totals. See also headnote, table 687]

INDUSTRY GROUP	EMPLOYMENT-SIZE CLASS							
	1 to 3	4 to 7	8 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 or more
Reporting units.....	1,971,173	672,246	520,917	219,960	73,734	41,308	12,969	9,247
Agric., forestry, and fisheries.....	19,349	5,373	3,296	999	192	68	7	1
Mining.....	11,683	5,226	6,348	3,596	1,321	636	187	117
Contract construction.....	178,526	64,692	47,523	19,087	6,196	2,607	427	147
Manufacturing.....	78,626	49,335	65,787	49,192	24,593	18,725	7,293	5,379
Transportation and other public utilities.....	59,701	23,203	23,890	12,522	4,931	2,840	827	745
Wholesale trade.....	127,554	68,610	68,035	28,643	7,338	2,730	447	153
Retail trade.....	606,985	238,818	163,608	53,359	13,130	5,081	1,319	906
Finance, insurance, and real estate.....	216,689	50,436	34,965	14,721	4,714	2,536	703	479
Services.....	620,988	156,058	101,732	36,572	11,290	6,080	1,757	1,820
Unclassified establishments.....	51,072	10,495	5,733	1,269	29	5	2	-

- Represents zero.

Source: Dept. of Commerce, Bureau of the Census; *County Business Patterns, U.S. Summary, 1965.*

No. 689. CONSUMER COOPERATIVES, BY TYPE OF ASSOCIATION: 1964 AND 1965

[Members in thousands; business in millions of dollars]

TYPE OF ASSOCIATION	1964			1965		
	Associa-tions	Mem-bers	Busi-ness	Associa-tions	Mem-bers	Busi-ness
Credit unions ¹	21,814	15,623	7,049	22,160	16,756	8,097
Electric power cooperatives ²	889	4,860	743	885	4,964	781
Rural telephone cooperatives ³	213	458	44	219	485	48
Independent nonprofit prepayment health plans ⁴	550	9,190	523	550	9,250	582
Community.....	43	3,475	196	43	3,500	216
Employer-employee-union.....	507	5,712	327	507	5,750	366
Housing ⁵	1,855	100	1,275	1,903	107	1,356
Farm supply cooperatives ⁶	6,872	(NA)	2,832	6,767	(NA)	2,910
Producers' goods.....	4,400+	(NA)	1,807	4,400+	(NA)	1,851
Petroleum products.....	2,836	(NA)	650	2,773	(NA)	643
Meats and groceries.....	758	(NA)	56	775	(NA)	60
Miscellaneous.....	4,600+	(NA)	318	4,800+	(NA)	356
Associations principally engaged in farm supply business ⁶	3,226	3,425	(NA)	3,085	3,251	(NA)

NA Not available.

¹ Dept. of Health, Education, and Welfare, Social Security Admin. "Business" refers to loans outstanding.
² Dept. of Agriculture, Rural Electrification Admin. Electric distribution cooperatives currently borrowing from REA, average number of consumers served, and total revenues.

³ Dept. of Agriculture, Rural Electrification Admin. Cooperatives currently borrowing from REA, number of subscribers at end of year, annual revenues.

⁴ Dept. of Health, Education, and Welfare, Social Security Admin. Estimated enrollees and annual income of plans; see table 673.

⁵ Dept. of Housing and Urban Development, Federal Housing Admin. Cooperative projects insured, housing units, and value of mortgages, cumulative from beginning of Section 213 program, in 1950, through Dec. 31.

⁶ Dept. of Agriculture, Farmer Cooperative Service. Data cover fiscal years 1963-64 and 1964-65. 1964-65, preliminary. Since many cooperatives do more than one type of business, totals are less than would be obtained by adding number of cooperatives handling individual items or performing individual services. Figures for members refer to estimated number of memberships; some persons hold more than one.

Source: Dept. of Labor, Bureau of Labor Statistics. Compiled from sources indicated above.

No. 690. ACTIVE CORPORATIONS—ASSETS AND LIABILITIES: 1940 TO 1964

[In millions of dollars. See headnote, table 561. See also *Historical Statistics, Colonial Times to 1957*, series V 33 and V 65-85]

ITEM ¹	1940	1950	1955	1960	1961	1963	1964
Total assets or liabilities -----	320, 478	598, 369	888, 621	1, 206, 662	1, 289, 516	1, 481, 236	1, 585, 619
ASSETS							
Cash-----	41, 423	71, 018	87, 375	97, 162	101, 965	108, 775	113, 741
Notes and accounts receivable ² -----	42, 804	108, 639	191, 779	242, 416	259, 541	330, 953	347, 680
Inventories-----	19, 463	54, 496	70, 920	91, 334	94, 818	106, 340	113, 060
Investments, govt. obligations-----	29, 570	109, 822	131, 897	135, 180	144, 760	150, 553	155, 338
Other current assets-----	(3)	(3)	(2)	10, 305	13, 664	21, 961	22, 647
Mortgage and real estate loans-----	(4)	(4)	(4)	129, 376	142, 378	(4)	(4)
Other investments-----	80, 429	96, 760	179, 558	179, 415	191, 559	385, 393	427, 864
Capital assets ³ -----	100, 214	144, 690	206, 388	293, 215	310, 266	342, 026	365, 552
Other assets-----	6, 514	12, 944	20, 703	28, 259	30, 566	35, 237	39, 740
LIABILITIES							
Notes and accounts payable ⁴ -----	22, 683	47, 143	76, 048	112, 315	121, 057	164, 078	155, 003
Other current liabilities-----	(7)	(7)	(7)	364, 705	392, 543	453, 668	527, 260
Bonded debt and mortgages ⁵ -----	49, 199	65, 719	98, 399	153, 596	165, 521	180, 952	192, 878
Other liabilities-----	110, 210	261, 899	408, 720	167, 110	176, 202	205, 982	207, 073
Capital stock ⁶ -----	89, 430	94, 216	112, 628	140, 348	146, 371	154, 602	158, 120
Surplus and undivided profits (net)-----	48, 957	129, 393	192, 920	268, 618	287, 822	321, 953	345, 285

¹ For number of returns, see table 694.

² Less reserve for bad debts. Includes loans and discounts of banks, except mortgage and real estate loans.

³ Included partly in "Other investments" and partly in "Other assets."

⁴ For 1940-1955, included partly in "Notes and accounts receivable" and partly in "Other investments"; for 1963 and 1964, included in "Other investments."

⁵ Less depreciation, amortization, and depletion reserves. Includes land and intangible assets.

⁶ Includes bonds, notes, and mortgages payable with maturity of less than 1 year.

⁷ Included partly in "Other liabilities."

⁸ With maturity of 1 year or more. ⁹ Includes stock not designated as to type.

Source: Treasury Dept., Internal Revenue Service; *Statistics of Income, Corporation Income Tax Returns*.

No. 691. NONFINANCIAL CORPORATIONS—ASSETS AND LIABILITIES: 1945 TO 1966

[In billions of dollars. As of December 31. Covers all U.S. corporations excluding banks, savings and loan associations, and insurance and investment companies. 1945-1963 based on Bureau of Internal Revenue, *Statistics of Income*, covering virtually all corporations in U.S.; 1964-1966 estimated (subject to revision), based on data compiled from many different sources, including data on corporations registered with SEC]

ASSETS AND LIABILITIES	1945	1950	1955	1960	1962	1963	1964	1965	1966
Current assets -----	97.4	161.5	224.0	289.0	326.5	351.7	372.6	407.9	441.6
Cash on hand and in banks-----	21.7	28.1	34.6	37.2	43.7	46.5	47.1	49.2	49.3
U.S. Government securities-----	21.1	19.7	23.5	20.1	19.6	20.2	18.8	16.7	15.5
Receivables from U.S. Government ¹ -----	2.7	1.1	2.3	3.1	3.7	3.6	3.4	3.9	4.5
Other notes and accounts receivable-----	23.2	55.7	86.6	126.1	144.2	156.8	170.6	189.6	204.4
Inventories-----	26.3	55.1	72.8	91.8	100.7	107.0	114.0	126.3	144.5
Other current assets ² -----	2.4	1.7	4.2	10.6	14.7	17.8	18.8	22.1	23.3
Current liabilities -----	45.8	79.8	121.0	160.4	170.9	188.2	200.3	224.5	248.9
Advances and prepayments, U.S. Govt. ¹ -----	.9	.4	2.3	1.8	2.0	2.5	2.7	3.1	4.9
Other notes and accounts payable-----	24.8	47.9	73.8	105.0	119.1	130.4	139.6	157.2	173.4
Federal income tax liabilities-----	10.4	16.7	19.3	13.5	15.2	16.5	17.2	19.2	19.1
Other current liabilities-----	9.7	14.9	25.7	40.1	34.5	38.7	40.7	45.0	51.6
Net working capital -----	51.6	81.6	103.0	128.6	155.6	163.5	172.3	183.4	192.7

¹ Receivables from, and payables to, U.S. Government exclude amounts offsetting each other on corporation's books or amounts arising from subcontracting not directly due from or to U.S. Government. Wherever possible, adjustments have been made to include U.S. Government advances offsetting inventories on corporation's books.

² Includes marketable securities other than U.S. Government.

Source: Securities and Exchange Commission; Statistical Series, *Net Working Capital of U.S. Corporations*. Data published quarterly.

No. 692. LARGEST INDUSTRIAL CORPORATIONS AND MERCHANDISING FIRMS—SALES, BY GROUP RANK: 1955 TO 1965

[In millions of dollars. Excludes large privately owned companies that do not publish sales. Includes sales of subsidiaries when they are consolidated. Industrial corporations: Includes service and rental revenues, but all 500 companies must have derived at least 50 percent of their revenues from manufacturing or mining for fiscal years ending not later than December 31 of year stated; excludes excise taxes collected by manufacturer. Merchandising firms: Includes all operating revenues for fiscal years ending not later than March or April following year stated.]

CORPORATIONS AND FIRMS GROUPED BY SALES	1955	1959	1960	1961	1962	1963	1964	1965
INDUSTRIAL CORPORATIONS								
500 largest.....	161,399	197,398	204,724	209,195	229,081	245,091	266,498	298,059
Lowest hundred.....	6,292	8,242	8,474	8,800	9,695	10,141	11,317	12,497
Second hundred.....	8,609	11,385	11,699	12,108	13,265	14,182	15,770	17,651
Third hundred.....	13,734	17,989	18,524	18,703	20,518	22,206	24,592	27,687
Fourth hundred.....	24,458	31,732	32,637	33,581	36,194	38,926	42,244	47,237
Highest hundred.....	108,306	128,051	133,390	136,003	149,408	159,636	172,575	192,987
MERCHANDISING FIRMS								
50 largest.....	25,610	34,272	35,702	37,262	39,276	41,428	45,139	48,958
Lowest ten.....	1,168	1,924	2,221	2,359	2,526	2,792	2,968	3,264
Second ten.....	1,719	2,646	2,818	2,997	3,153	3,379	4,044	4,505
Third ten.....	2,704	4,008	4,100	4,394	4,675	4,933	5,354	6,050
Fourth ten.....	4,520	6,258	6,436	6,902	7,331	7,571	8,194	8,961
Highest ten.....	15,499	19,435	20,126	20,609	21,591	22,753	24,579	26,177

Source: Fortune, New York, N.Y.; annual supplement, *The Fortune Directory*. (Copyright, 1966, by Time Inc.)

No. 693. LARGEST INDUSTRIAL CORPORATIONS AND MERCHANDISING FIRMS—SALES ASSETS, PROFIT, AND INVESTED CAPITAL, BY GROUP RANK OF SALES: 1964 AND, 1965

[In millions of dollars. See headnote, table 692]

CORPORATIONS AND FIRMS GROUPED BY SALES	1964				1965			
	Sales	Assets ¹	Net profit ²	Invested capital ³	Sales	Assets ¹	Net profit ²	Invested capital ³
INDUSTRIAL CORPORATIONS								
500 largest.....	266,498	224,650	17,238	142,399	298,059	251,676	20,011	154,033
Lowest hundred.....	11,317	9,102	598	5,606	12,497	10,066	747	5,895
Second hundred.....	15,770	12,602	770	7,842	17,651	13,873	995	8,339
Third hundred.....	24,592	19,359	1,455	12,309	27,687	22,497	1,558	13,727
Fourth hundred.....	42,244	33,278	2,188	20,282	47,237	36,252	2,656	21,614
Highest hundred.....	172,575	150,309	12,227	96,360	192,987	168,989	14,055	104,458
MERCHANDISING FIRMS								
50 largest.....	45,139	17,149	1,068	9,200	48,958	19,290	1,196	9,912
Lowest ten.....	2,968	1,284	55	538	3,264	1,546	72	673
Second ten.....	4,044	1,333	81	635	4,505	1,253	68	606
Third ten.....	5,354	2,123	93	996	6,050	2,270	119	1,071
Fourth ten.....	8,194	2,802	170	1,541	8,961	3,469	214	1,741
Highest ten.....	24,579	9,606	670	5,491	26,177	10,751	723	5,823

¹ Total assets employed in business at end of fiscal year, less depreciation and depletion, but including Government securities held as offsets against tax liabilities.

² After taxes, and after special charges or credits when shown on income statement.

³ Capital stock, surplus, and retained earnings (i.e., net worth) at end of fiscal year.

Source: Fortune, New York, N.Y.; annual supplement, *The Fortune Directory*. (Copyright, 1966, by Time Inc.)

No. 694. ACTIVE CORPORATIONS—INCOME TAX RETURNS: 1940 TO 1964

[Money figures in millions of dollars. See headnote and footnotes, table 561. See *Historical Statistics, Colonial Times to 1957*, series V 113, and, for related but not comparable data, series V 86-97]

ITEM	1940	1950	1955	1960	1962	1963	1964
Number of active corporation returns	473, 042	629, 314	807, 303	1, 140, 574	1, 268, 042	1, 323, 187	1, 373, 517
With assets at end of year.....	413, 718	569, 961	746, 962	1, 095, 439	1, 235, 271	1, 285, 522	1, 333, 887
Under \$100,000.....	286, 053	338, 499	431, 074	639, 479	708, 113	757, 841	784, 011
\$100,000 to \$999,999.....	104, 368	190, 331	260, 134	389, 307	454, 780	450, 622	468, 200
\$1,000,000 to \$49,999,999.....	22, 496	39, 847	53, 893	64, 175	69, 596	74, 324	78, 465
\$50,000,000 and over.....	771	1, 284	1, 861	2, 478	2, 832	3, 035	3, 211
With no assets at end of year.....	59, 326	59, 353	60, 341	45, 135	32, 771	37, 365	39, 630
Total receipts	148, 237	458, 130	642, 248	849, 132	949, 305	1, 008, 743	1, 086, 739
Business receipts.....	139, 124	439, 881	612, 683	802, 791	895, 120	949, 549	1, 018, 889
Other taxable receipts.....	8, 329	17, 854	29, 015	45, 303	52, 903	57, 738	66, 291
Tax-exempt interest on government obligations.....	783	394	550	1, 038	1, 282	1, 456	1, 559
Total deductions	138, 889	415, 299	594, 299	804, 633	898, 463	953, 006	1, 023, 680
Cost of sales and operations.....	99, 036	321, 257	448, 565	577, 039	638, 036	672, 972	722, 477
Interest paid.....	2, 701	3, 212	7, 058	14, 622	18, 435	20, 711	23, 246
Taxes paid ¹	4, 317	9, 013	14, 203	21, 130	24, 803	27, 084	29, 803
Depreciation, amortization, depletion.....	4, 003	9, 611	18, 815	26, 899	32, 007	34, 129	36, 486
Other deductions.....	28, 832	72, 206	105, 658	164, 943	185, 182	198, 110	211, 668
Total receipts minus total deductions.....	9, 348	42, 831	47, 949	44, 499	50, 842	55, 737	63, 059
Net income less deficit.....	8, 919	42, 613	47, 478	43, 505	49, 606	54, 285	61, 575
Statutory prior year loss deduction.....	123	345	836	1, 286	1, 753	1, 837	2, 230
Total income and profit taxes.....	² 2, 549	17, 317	21, 741	21, 866	23, 097	25, 193	26, 538
Investment credit.....	(X)	(X)	(X)	(X)	834	1, 106	1, 319
Net income less deficit after tax.....	6, 370	25, 296	25, 737	21, 639	26, 510	29, 092	35, 037

X Not applicable.

¹ Excludes (a) Federal income and profits taxes; (b) estate, inheritance, legacy, succession, and gift taxes; (c) income and profits taxes paid to a foreign country or possession of the United States if any portion was claimed as a tax credit; (d) taxes assessed against certain local benefits; (e) Federal taxes on tax-free covenant bonds; and (f) unidentifiable amounts of taxes reported in "Cost of sales and operations," beginning 1955. For prior years, excludes all taxes reported in these costs.

² Includes defense tax.

Source: Treasury Dept., Internal Revenue Service; *Statistics of Income, Corporation Income Tax Returns*.

No. 695. LARGEST INDUSTRIAL CORPORATIONS—SELECTED FINANCIAL ITEMS, BY INDUSTRY: 1965

[Figures are medians for 500 largest corporations based on sales in 1965. See headnote, table 692. See also headnote, table 8, for definition of median]

INDUSTRY ¹	Assets per employee	Sales per employee	Sales per dollar of invested capital	Return on invested capital	Return on sales	CHANGE FROM 1964 IN—	
						Sales	Profit
Total.....	Dollars 17, 608	Dollars 24, 141	Dollars 1.20	Percent 11.8	Percent 5.5	Percent 10.7	Percent 19.6
Petroleum refining.....	80, 781	62, 108	1.27	10.4	8.3	8.6	17.8
Mining.....	57, 482	40, 940	1.28	13.9	11.1	10.2	17.1
Tobacco.....	52, 874	42, 864	1.37	13.5	8.6	4.5	6.5
Chemicals.....	28, 625	28, 714	1.70	12.6	7.5	10.8	15.2
Metal manufacturing.....	23, 774	25, 532	1.67	10.6	6.0	11.7	20.4
Paper and wood products.....	23, 690	23, 644	1.68	9.9	6.0	7.9	18.0
Glass, cement, gypsum, concrete.....	21, 196	22, 700	1.62	10.9	7.0	8.6	13.6
Pharmaceuticals.....	20, 411	23, 758	1.71	18.0	10.3	15.7	22.1
Food and beverages.....	20, 228	41, 845	3.50	10.2	2.8	6.5	10.9
Shipbuilding and railroad equipment.....	20, 118	24, 330	1.90	11.6	6.4	8.2	22.5
Soaps, cosmetics.....	18, 061	32, 906	2.78	14.9	6.5	9.5	8.3
Publishing and printing.....	17, 735	24, 366	2.15	14.7	6.9	9.9	22.3
Measuring, scientific, and photographic equipment.....	17, 113	20, 413	1.63	13.5	6.1	12.1	32.2
Rubber.....	15, 799	22, 334	2.73	11.1	4.1	10.7	9.7
Farm and industrial machinery.....	14, 697	20, 615	2.11	14.0	5.5	16.5	26.2
Motor vehicles and parts.....	14, 337	24, 392	2.80	13.6	4.4	19.5	21.3
Metal products.....	13, 012	20, 426	2.35	11.3	4.8	13.4	30.7
Textiles.....	12, 825	17, 788	2.18	11.1	4.4	10.5	33.7
Office machinery (incl. computers).....	11, 753	13, 825	2.37	12.3	5.0	11.5	24.4
Appliances, electronics.....	11, 751	18, 113	2.69	12.5	5.0	12.2	28.0
Aircraft and parts.....	9, 366	19, 911	4.38	14.3	3.3	14.3	30.7
Apparel.....	9, 226	13, 692	3.28	13.8	4.1	14.8	37.2

¹ Industry groupings are based on classifications established by the Bureau of the Budget.

Source: Fortune, New York, N.Y.; *Fortune*, July 1966. (Copyright, 1966, by Time Inc.)

No. 696. ACTIVE CORPORATIONS—INCOME TAX RETURNS, BY ASSET SIZE AND INDUSTRIAL DIVISION: 1964

[Money figures in millions of dollars. See headnote and footnotes, table 561. See also *Historical Statistics, Colonial Times to 1957*, series V 113-127, for asset size-class, and series V 98-112, for industrial divisions]

ITEM	Total	ASSET SIZE-CLASS						
		Under \$100 thousand	\$100 to \$999.9 thousand	\$1 to \$24.9 million	\$25 to \$49.9 million	\$50 to \$99.9 million	\$100 to \$249.9 million	\$250 million and over
All industrial divisions:								
Number of returns.....	1,373,517	823,641	468,200	75,790	2,675	1,453	1,026	732
Total assets or liabilities.....	1,585,619	27,471	135,119	302,368	92,830	100,494	153,068	769,235
Total receipts.....	1,086,739	72,204	243,720	200,481	50,616	52,052	81,212	328,453
Net income less deficit ¹	61,575	706	6,045	10,883	2,943	3,474	6,611	30,912
Income tax ²	26,538	443	2,112	5,193	1,344	1,517	2,576	13,355
Agriculture, forestry, and fisheries:								
Number of returns.....	25,933	14,500	10,506	917	7	1	1	1
Total assets or liabilities.....	6,453	538	2,977	2,196	246	50	153	294
Total receipts.....	6,329	1,066	2,727	1,848	134	49	73	432
Net income less deficit ¹	139	³ 5	52	53	21	9	7	3
Income tax ²	87	5	32	34	8	4	3	1
Mining:								
Number of returns.....	14,487	7,608	5,528	1,255	45	21	20	10
Total assets or liabilities.....	17,724	236	1,786	4,677	1,534	1,518	3,358	4,614
Total receipts.....	13,314	528	2,022	3,210	833	914	2,038	3,770
Net income less deficit ¹	1,228	³ 6	37	117	35	97	209	737
Income tax ²	593	4	22	81	18	42	81	344
Construction:								
Number of returns.....	104,134	68,055	32,694	3,337	28	15	4	1
Total assets or liabilities.....	23,309	2,155	9,066	8,946	987	1,137	757	262
Total receipts.....	49,741	8,147	22,553	16,113	1,850	1,050	349	179
Net income less deficit ¹	943	35	405	369	43	72	12	7
Income tax ²	394	26	129	184	21	28	5	1
Manufacturing:								
Number of returns.....	184,961	91,530	74,922	17,275	529	312	222	171
Total assets or liabilities.....	335,190	3,280	23,979	62,054	18,380	21,969	34,556	170,961
Total receipts.....	464,820	11,892	56,507	108,246	24,845	29,673	45,184	188,473
Net income less deficit ¹	32,556	138	1,604	5,920	1,802	2,176	3,470	17,446
Income tax ²	14,803	106	618	2,877	858	1,006	1,628	7,709
Transportation, communication, electric, gas, and sanitary services:								
Number of returns.....	56,338	36,612	16,461	2,864	101	86	96	118
Total assets or liabilities.....	174,913	1,158	4,672	11,336	3,683	6,160	15,895	132,010
Total receipts.....	81,726	2,945	7,041	10,402	2,149	2,766	7,312	49,112
Net income less deficit ¹	9,739	47	258	604	210	317	859	7,443
Income tax ²	4,345	24	83	279	95	143	381	3,340
Wholesale and retail trade:								
Number of returns.....	421,553	257,937	150,932	12,417	153	53	40	21
Total assets or liabilities.....	113,939	9,312	41,354	33,218	5,117	3,513	6,107	15,318
Total receipts.....	335,319	35,510	132,724	94,755	14,644	9,712	14,637	33,338
Net income less deficit ¹	6,633	218	2,338	2,036	342	271	373	1,054
Income tax ²	2,743	128	749	929	158	121	162	497
Finance, insurance, and real estate: ⁴								
Number of returns.....	383,727	207,092	137,785	34,203	1,773	938	629	407
Total assets or liabilities.....	883,959	7,334	40,834	170,037	61,552	64,296	94,961	444,944
Total receipts.....	101,297	3,584	8,230	16,922	5,458	6,631	10,091	50,381
Net income less deficit ¹	9,182	135	966	1,405	419	499	1,575	4,183
Income tax ²	3,020	86	328	588	150	151	276	1,441
Services:								
Number of returns.....	176,902	134,340	38,973	3,506	39	27	14	3
Total assets or liabilities.....	29,951	3,408	10,350	9,907	1,330	1,852	2,270	833
Total receipts.....	34,101	8,502	11,872	8,971	1,205	1,257	1,527	768
Net income less deficit ¹	1,159	148	385	379	71	32	104	39
Income tax ²	553	65	152	220	36	22	38	20
Nature of business not allocable:								
Number of returns.....	5,482	5,067	399	16	-	-	-	-
Total assets or liabilities.....	182	52	102	27	-	-	-	-
Total receipts.....	91	31	44	16	-	-	-	-
Net income less deficit ¹	³ 3	³ 4	1	(Z)	-	-	-	-
Income tax ²	1	(Z)	(Z)	-	-	-	-	-

- Represents zero. Z Less than \$500,000.

¹ Excludes wholly tax-exempt interest but includes certain constructive receipts from foreign subsidiaries.

² After net adjustment for investment credit. ³ Deficit. ⁴ Includes lessors of real property.

Source: Treasury Dept., Internal Revenue Service; *Statistics of Income, 1964, Corporation Income Tax Returns.*

**No. 697. CORPORATE PROFITS, TAXES, DIVIDENDS, AND NEW INCORPORATIONS:
1940 TO 1966**

[Money figures in millions of dollars; number in thousands. Prior to 1960, excludes Alaska and Hawaii. Data are for corporations organized for profit. Represent profits accruing to U.S. residents, without deduction of depletion charges and exclusive of capital gains and losses; intercorporate dividends from profits of domestic corporations are eliminated; net receipts of dividends, and branch profits from abroad are added. Taxes refer to Federal and State corporate income and excess profits taxes. Cash dividends represent amount disbursed to U.S. residents, and therefore are measured after elimination of intercorporate dividends. Cash dividends also exclude capital gain dividends paid by investment companies. Undistributed profits represent difference between corporate profits after taxes and net dividend payments]

YEAR	Profits before taxes	Income tax liability	Profits after taxes	Cash dividends	Undistributed profits	New incorporations ¹
1940.....	10, 013	2, 834	7, 179	4, 016	3, 163	(NA)
1950.....	42, 634	17, 770	24, 864	8, 838	16, 026	93
1955.....	48, 607	21, 616	26, 991	10, 478	16, 513	140
1960.....	49, 712	23, 032	26, 680	13, 437	13, 243	183
1965.....	75, 676	31, 183	44, 493	19, 173	25, 320	204
1966.....	82, 100	33, 800	48, 300	20, 900	27, 300	200

NA Not available. ¹ Compiled by Dun & Bradstreet, Inc. Prior to 1965, excludes the District of Columbia. Source: Dept. of Commerce, Office of Business Economics; *Survey of Current Business*.

No. 698. CORPORATE PROFITS, BY INDUSTRY: 1950 TO 1965

[In millions of dollars. Prior to 1960, excludes Alaska and Hawaii. See headnote, table 697]

INDUSTRY	BEFORE TAXES				AFTER TAXES			
	1950	1955	1960	1965	1950	1955	1960	1965
All industries.....	42, 634	48, 607	49, 712	75, 676	24, 864	26, 991	26, 680	44, 493
Agriculture, forestry, and fisheries.....	175	47	65	119	87	4	12	28
Mining.....	1, 490	1, 422	983	1, 286	1, 115	1, 046	755	918
Contract construction.....	674	501	516	1, 268	325	260	224	842
Manufacturing.....	24, 115	27, 378	24, 126	38, 508	13, 290	14, 453	12, 631	21, 381
Wholesale and retail trade.....	6, 409	5, 209	4, 954	8, 362	3, 743	2, 802	2, 531	5, 074
Finance, insurance, and real estate.....	4, 070	6, 006	8, 816	10, 869	2, 597	3, 711	4, 722	5, 944
Transportation.....	2, 001	1, 519	901	2, 061	1, 107	704	295	1, 253
Communication and public utilities.....	2, 253	4, 272	6, 588	9, 062	1, 290	2, 090	3, 225	5, 051
Services.....	563	674	883	1, 439	326	336	405	800
Rest of the world.....	984	1, 579	1, 880	3, 202	984	1, 579	1, 880	3, 202

Source: Dept. of Commerce, Office of Business Economics; *The National Income and Product Accounts of the United States, 1929-1965*.

**No. 699. PUBLIC UTILITY CORPORATIONS—REVENUES, PROFITS, AND DIVIDENDS:
1940 TO 1966**

[In millions of dollars]

PUBLIC UTILITY	1940	1945	1950	1955	1960	1963	1964	1965	1966 (prel.)
Railroad: ¹									
Operating revenue.....	4, 297	8, 902	9, 473	10, 106	9, 514	9, 560	9, 778	10, 208	10, 654
Profits before taxes.....	249	756	1, 385	1, 341	648	816	829	880	(NA)
Profits after taxes.....	189	450	784	927	446	651	694	816	(NA)
Dividends.....	159	246	312	448	335	383	433	468	(NA)
Electric power: ²									
Operating revenue.....	2, 797	3, 682	5, 528	8, 360	11, 906	14, 294	15, 156	15, 961	17, 036
Profits before taxes.....	692	905	1, 313	2, 304	3, 163	3, 735	3, 926	4, 116	4, 396
Profits after taxes.....	548	534	822	1, 244	1, 793	2, 187	2, 375	2, 568	2, 765
Dividends.....	447	407	619	942	1, 307	1, 567	1, 682	1, 833	1, 939
Telephone: ³									
Operating revenue.....	1, 206	1, 979	3, 342	5, 425	8, 111	9, 706	10, 550	11, 320	12, 420
Profits before taxes.....	257	453	580	1, 282	2, 326	2, 815	3, 069	3, 185	3, 537
Profits after taxes.....	193	174	331	638	1, 155	1, 417	1, 590	1, 718	1, 903
Dividends.....	167	162	276	496	800	988	1, 065	1, 153	1, 248

NA Not available. ¹ Class I line-haul railroads. ² Class A and B electric utilities.

³ Revenues and profits for telephone operations of Bell System Consolidated (including the 20 operating subsidiaries and Long Lines and General departments of American Telephone and Telegraph Company) and of 2 affiliated telephone companies. Dividends for the 20 operating subsidiaries and 2 affiliates.

Source: Board of Governors of the Federal Reserve System; *Federal Reserve Bulletin*.

No. 700. MANUFACTURING CORPORATIONS—RATES OF PROFIT AFTER TAXES ON STOCKHOLDERS' EQUITY: 1947 TO 1966

[Percent. Averages of quarterly figures at annual rates. Based on sample; see source for discussion of methodology. Excludes newspapers]

INDUSTRY GROUP	1947	1950	1955	1960	1961	1962	1963	1964	1965	1966
Total	15.6	15.4	12.6	9.2	8.8	9.8	10.2	11.6	13.0	13.4
Durable goods	14.5	16.8	13.8	8.6	8.1	9.6	10.1	11.8	13.8	14.2
Transportation equipment.....	11.0	21.5	20.2	11.7	10.6	15.0	15.2	15.8	18.5	15.6
Electrical machinery, equipment, and supplies.....	19.0	20.8	12.3	9.5	8.9	10.0	10.0	11.2	13.5	14.8
Other machinery.....	15.8	14.0	10.3	7.6	7.8	9.1	9.6	12.4	14.1	15.1
Other fabricated metal products.....	17.7	15.9	10.0	5.6	5.9	7.9	8.3	10.1	13.2	14.7
Primary metal industries.....	12.2	14.5	14.1	7.2	6.4	6.2	7.2	9.2	10.6	12.0
Stone, clay, and glass products.....	14.0	17.6	15.6	9.9	8.8	8.8	8.6	9.6	10.2	9.9
Furniture and fixtures.....	18.1	15.1	9.2	6.5	4.9	7.9	8.2	10.1	13.3	14.2
Lumber and wood products, exc. furniture.....	22.9	17.4	11.1	3.6	4.0	5.6	8.2	10.0	10.0	10.0
Instruments and related products.....	14.4	16.7	12.5	11.6	10.5	12.0	12.0	14.4	17.5	20.8
Misc. manufacturing, and ordnance.....	14.0	12.2	8.6	9.2	9.8	9.3	8.8	9.5	10.7	15.2
Nondurable goods	16.6	14.0	11.4	9.8	9.6	9.9	10.4	11.5	12.2	12.7
Food and kindred products.....	17.6	12.3	8.9	8.7	8.9	8.8	9.0	10.0	10.7	11.2
Tobacco manufactures.....	10.1	11.5	11.4	13.4	13.6	13.1	13.4	13.4	13.5	14.1
Textile mill products.....	19.5	12.6	5.7	5.8	5.0	6.2	6.0	8.4	10.8	10.1
Apparel and other finished products.....	18.9	10.1	6.2	7.7	7.0	9.3	7.7	11.7	12.6	13.2
Paper and allied products.....	22.1	16.1	11.5	8.5	7.8	8.1	8.1	9.1	9.4	10.6
Printing and publishing, exc. newspapers.....	17.2	11.5	10.2	10.6	8.5	10.2	9.1	12.6	14.1	15.6
Chemicals and allied products.....	16.0	17.8	14.7	12.2	11.8	12.4	12.9	14.4	15.2	15.1
Petroleum refining and related industries.....	14.8	13.8	13.2	10.1	10.3	10.0	11.2	11.4	11.8	12.4
Rubber and misc. plastics products.....	12.4	16.7	13.2	9.1	9.3	9.6	9.2	10.6	11.7	12.2
Leather and leather products.....	14.1	10.9	8.5	6.3	4.4	6.9	6.9	10.5	11.6	12.9

Source: Federal Trade Commission and Securities and Exchange Commission; *Quarterly Financial Report for Manufacturing Corporations*.

No. 701. MANUFACTURING CORPORATIONS—RATES OF PROFIT AFTER TAXES, BY ASSET SIZE: 1965 AND 1966

[Based on sample; see source for discussion of methodology. Excludes newspapers]

ITEM	All asset sizes	ASSET SIZE-CLASS					
		Under \$1,000,000	\$1,000,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 to \$49,999,999	\$50,000,000 to \$99,999,999	\$100,000,000 and over
PROFITS PER DOLLAR OF SALES (in cents)							
1965: First quarter.....	5.4	2.5	2.7	3.5	4.0	4.5	7.0
Second quarter.....	5.8	3.1	3.4	3.8	4.8	4.9	7.3
Third quarter.....	5.4	3.3	3.5	4.0	4.8	4.8	6.6
Fourth quarter.....	5.7	2.3	3.2	4.1	5.1	5.0	7.2
1966: First quarter.....	5.6	3.0	3.0	3.9	4.4	4.8	6.9
Second quarter.....	5.9	3.8	4.1	4.3	5.0	5.2	7.1
Third quarter.....	5.4	4.0	3.4	3.9	4.8	4.9	6.3
Fourth quarter.....	5.4	2.6	2.8	4.0	4.6	5.3	6.7
ANNUAL RATE ON STOCKHOLDERS' EQUITY (percent)							
1965: First quarter.....	12.1	11.8	9.3	9.6	9.5	10.3	13.1
Second quarter.....	13.8	16.0	12.4	11.4	12.2	12.1	14.2
Third quarter.....	12.3	16.8	12.5	12.0	12.2	11.5	12.1
Fourth quarter.....	13.7	12.5	12.0	12.8	13.2	12.8	14.2
1966: First quarter.....	13.0	14.8	11.0	12.0	11.4	11.9	13.4
Second quarter.....	14.7	20.0	15.8	14.2	13.9	13.6	14.3
Third quarter.....	12.7	21.2	12.8	12.6	13.0	12.4	11.9
Fourth quarter.....	13.4	13.9	10.6	13.1	12.5	13.4	13.7

Source: Federal Trade Commission and Securities and Exchange Commission; *Quarterly Financial Report for Manufacturing Corporations*.

**No. 702. LARGE MANUFACTURING CORPORATIONS—SALES, PROFITS, AND DIVIDENDS:
1948 TO 1966**

[In millions of dollars. Includes data for 177 corporations each with sales of \$150 million or more in 1957. Profits before and after taxes are as published by the 177 companies except for certain adjustments, chiefly to exclude special charges and credits and intercorporate dividends where large. Figures include little or no representation of some important nondurable goods groups such as meatpacking and rubber]

INDUSTRY	1948	1950	1955	1960	1963	1964	1965	1966 (prel.)
Total (177 corporations):								
Sales.....	56,071	66,943	104,877	123,911	147,380	158,253	176,676	195,617
Profits before taxes ¹	7,902	11,638	14,854	13,543	17,337	18,734	22,043	23,232
Profits after taxes.....	4,858	6,014	7,585	7,161	9,138	10,462	12,482	13,238
Dividends.....	1,883	3,067	3,855	4,485	5,444	5,933	6,541	6,909
Nondurable goods industries (78 corp.):²								
Sales.....	23,241	25,455	36,879	47,372	55,372	59,770	64,635	73,199
Profits before taxes ¹	3,538	4,303	4,986	5,579	6,333	6,581	7,818	8,882
Profits after taxes.....	2,270	2,867	2,800	3,215	3,646	4,121	4,798	5,405
Dividends.....	844	1,266	1,581	1,948	2,265	2,408	2,541	2,717
Durable goods industries (99 corp.):²								
Sales.....	32,830	41,488	67,997	76,540	92,008	98,482	112,041	122,418
Profits before taxes ¹	4,364	7,335	9,868	7,964	11,004	11,553	14,225	14,350
Profits after taxes.....	2,588	3,646	4,780	3,946	5,492	6,341	7,684	7,832
Dividends.....	1,039	1,800	2,274	2,536	3,179	3,525	4,000	4,192
Selected industries:								
Food and kindred products (25 corp.):								
Sales.....	6,770	6,797	8,912	12,202	14,301	15,284	16,345	18,250
Profits before taxes ¹	700	851	891	1,342	1,546	1,579	1,710	1,907
Profits after taxes.....	428	457	425	639	747	802	896	1,012
Dividends.....	225	247	264	372	448	481	508	564
Chemicals and allied prod. (20 corp.):								
Sales.....	5,200	6,057	9,325	12,205	14,623	16,469	17,938	19,920
Profits before taxes ¹	947	1,539	1,816	2,005	2,286	2,597	2,878	3,060
Profits after taxes.....	525	724	930	1,058	1,182	1,400	1,627	1,736
Dividends.....	209	521	679	786	904	924	926	946
Petroleum refining (16 corporations):								
Sales.....	7,212	7,872	11,515	13,815	16,043	16,589	17,878	21,376
Profits before taxes ¹	1,297	1,157	1,344	1,267	1,487	1,560	1,946	2,430
Profits after taxes.....	967	800	979	1,026	1,204	1,309	1,555	1,796
Dividends.....	282	353	438	521	608	672	752	826
Primary metals and prod. (34 corp.):								
Sales.....	11,968	13,985	20,643	20,828	22,116	24,195	26,530	28,513
Profits before taxes ¹	1,707	2,318	3,263	2,214	2,178	2,556	2,951	3,304
Profits after taxes.....	1,051	1,194	1,649	1,169	1,183	1,475	1,704	1,921
Dividends.....	401	529	727	838	734	763	818	923
Machinery (24 corporations):								
Sales.....	6,704	7,987	12,391	16,681	21,144	22,558	25,148	30,112
Profits before taxes ¹	826	1,334	1,286	1,509	2,394	2,704	3,116	3,606
Profits after taxes.....	489	671	653	768	1,177	1,372	1,621	1,865
Dividends.....	185	298	374	494	577	673	775	913
Automobiles and equip. (14 corp.):								
Sales.....	10,669	15,173	25,102	26,275	32,927	35,338	42,662	43,639
Profits before taxes ¹	1,330	2,887	4,038	3,197	5,004	4,989	6,263	5,289
Profits after taxes.....	763	1,366	1,854	1,534	2,387	2,626	3,298	2,871
Dividends.....	312	777	880	837	1,447	1,629	1,890	1,775

¹ After all charges and before Federal income taxes and dividends.

² Nondurable includes 17 companies in groups not shown separately; durable, 27.

Source: Board of Governors of the Federal Reserve System; *Federal Reserve Bulletin*.

**No. 703. AVERAGE ANNUAL CHANGE IN STOCK OF FIXED CAPITAL PER EMPLOYED
PERSON IN THE PRIVATE ECONOMY: 1947 TO 1965**

[In percent. Refers to constant (1958) dollar private purchases of plant and equipment with an allowance for retirement. Covers all business capital but excludes religious, educational, hospital, and other institutional construction]

ITEM	1947-65	1947-57	1957-65
Total	2.1	2.1	1.6
Plant.....	1.0	0.6	0.8
Equipment.....	3.6	4.4	2.6

Source: Dept. of Labor and Dept. of Commerce; unpublished data.

No. 704. NET CHANGE IN BUSINESS INVENTORIES: 1940 TO 1966

[In millions of dollars. Prior to 1960, excludes Alaska and Hawaii. Measures change in physical inventories, valued at average prices current during year. Difference between change in business inventories as thus measured and change in book value of inventories constitutes inventory valuation adjustment.]

ITEM	1940	1945	1950	1955	1960	1964	1965	1966 (prel.)
Total	2,183	-1,034	6,789	5,953	3,569	4,666	9,081	11,914
Farm	281	-439	789	4,967	233	-594	935	-258
Nonfarm	1,902	-595	6,000	5,486	3,336	5,260	8,146	12,172
Corporate.....	1,586	-1,027	4,823	4,927	3,031	4,430	6,805	10,783
Noncorporate.....	316	432	1,177	559	305	830	1,341	1,389
Change in book value.....	2,147	75	12,059	7,420	3,163	5,735	9,995	14,710
Corporate.....	1,786	-463	9,788	6,663	2,829	4,863	8,280	12,908
Noncorporate.....	361	538	2,271	757	334	872	1,715	1,802
Inventory valuation adjustment.....	-245	-670	-6,059	-1,934	173	-475	-1,849	-2,538
Corporate.....	-200	-564	-4,965	-1,736	192	-433	-1,475	-2,125
Noncorporate.....	-45	-106	-1,094	-198	-19	-42	-374	-413
Nonfarm, by industry groups:								
Manufacturing.....	1,218	-1,556	2,164	2,626	1,347	2,571	4,219	8,503
Change in book value.....	1,357	-1,121	5,496	4,008	1,015	2,904	4,978	9,670
Inventory valuation adjustment.....	-139	-435	-3,332	-1,382	332	-333	-759	-1,167
Wholesale trade.....	183	560	1,356	1,115	173	1,131	1,263	1,572
Change in book value.....	173	665	2,458	1,195	312	1,142	1,692	2,124
Inventory valuation adjustment.....	10	-105	-1,102	-80	-139	-11	-429	-552
Retail trade.....	482	272	2,131	2,092	1,381	1,130	2,158	1,670
Change in book value.....	563	358	3,351	2,294	1,524	1,180	2,722	2,271
Inventory valuation adjustment.....	-81	-86	-1,220	-202	-143	-50	-564	-592
All other.....	19	129	349	-347	435	428	506	418
Change in book value.....	54	173	754	-77	312	509	603	645
Inventory valuation adjustment.....	-35	-44	-405	-270	123	-81	-97	-227

Source: Dept. of Commerce, Office of Business Economics; *The National Income and Product Accounts of the United States, 1929-1965* and *Survey of Current Business*, July 1967.

No. 705. USES AND SOURCES OF FUNDS, NONFARM NONFINANCIAL CORPORATE BUSINESS: 1950 TO 1966

[In billions of dollars. Minus sign (-) indicates a reduction in assets or liabilities. "N.e.c." means not elsewhere classified]

USE OR SOURCE	1950	1955	1960	1961	1962	1963	1964	1965	1966
Uses, total	41.9	51.4	45.2	55.0	61.7	65.8	67.2	87.4	93.5
Purchases of physical assets	24.1	31.5	39.2	37.0	44.7	46.7	52.2	61.9	73.2
Nonresidential fixed investment.....	17.8	25.8	34.9	33.2	37.0	38.6	44.1	51.3	59.4
Residential structures.....	1.5	.8	1.3	2.2	3.0	3.7	3.7	3.0	2.9
Change in business inventories.....	4.8	4.9	3.0	1.5	4.7	4.3	4.4	6.8	10.9
Increase in financial assets ¹	17.8	19.9	6.1	18.0	16.9	19.1	14.9	25.4	20.3
Liquid assets.....	4.4	5.2	-3.9	3.5	4.1	4.3	.7	.6	1.1
Demand deposits and currency.....	1.5	1.0	-.5	1.7	-.9	-.8	-2.5	-1.9	-.7
Time deposits.....	-	-.1	1.3	1.9	3.7	3.9	3.2	3.9	-.7
U.S. Government securities.....	2.9	4.2	-5.4	-.2	.5	.5	-1.4	-2.1	-1.2
Finance company paper.....	(Z)	.1	.7	.1	.9	.7	1.5	.7	2.3
Consumer credit.....	1.8	.7	.2	1.1	.9	.7	1.0	1.2	1.1
Trade credit.....	11.8	11.4	6.3	10.0	8.2	8.5	9.1	13.7	10.9
Other financial assets.....	.8	2.3	3.7	4.6	4.1	4.8	4.0	9.3	6.5
Sources, total	41.5	53.7	47.3	54.7	63.3	65.9	70.5	88.1	96.1
Internal sources	17.9	29.2	34.4	35.6	41.8	43.9	50.8	55.3	58.7
Undistributed profits.....	14.3	13.9	10.0	10.2	12.4	13.6	18.5	21.7	23.3
Corporate inventory valuation adjustment.....	-5.0	-1.7	.2	-.1	.3	-.5	-.4	-1.5	-2.1
Capital consumption allowances.....	8.6	17.0	24.2	25.4	29.2	30.8	32.8	35.1	37.5
External sources	23.6	24.5	12.9	19.1	21.5	22.0	19.7	32.7	37.4
Stocks.....	1.4	1.9	1.6	2.5	.6	-.3	1.4	-	1.2
Bonds.....	1.6	2.8	3.5	4.6	4.6	3.9	4.0	5.4	10.2
Mortgages.....	.6	.7	.7	1.8	2.9	3.5	3.3	3.2	2.1
Bank loans, n.e.c.....	2.8	3.2	1.3	.1	2.5	2.9	3.6	9.3	7.6
Other loans.....	.2	(Z)	1.0	.3	.7	.5	1.3	1.3	2.1
Trade debt.....	8.7	8.7	3.1	6.6	4.4	6.0	3.4	7.3	7.7
Profits tax liability.....	7.5	4.1	-2.2	1.2	1.1	1.5	.9	2.0	-.4
Other liabilities.....	.8	3.0	4.0	1.9	4.7	4.0	1.8	4.2	6.8
Discrepancy (uses less sources).....	.4	-2.2	-2.0	.3	-1.6	-.1	-3.3	-.7	-2.6

¹ Represents zero. Z Less than \$50 million.

- Includes some categories not shown separately.

Source: Board of Governors of the Federal Reserve System and Dept. of Commerce, Office of Business Economics; *Survey of Current Business*, February 1967 and May 1967.

Investment—New Plant and Equipment Expenditures 497

NO. 706. GROSS PRIVATE DOMESTIC INVESTMENT AND ITS COMPONENTS: 1950 TO 1966

[In billions of dollars. Prior to 1960, excludes Alaska and Hawaii. Consists of net acquisitions of fixed capital goods by private business and nonprofit institutions; including commissions arising in sale and purchase of new and existing fixed assets, principally real estate; and value of change in volume of inventories held by business. Covers all private dwellings, including those acquired by persons for their own occupancy]

CLASS	1950	1955	1960	1961	1962	1963	1964	1965	1966 (prel.)
Gross private domestic investment	54.1	67.4	74.8	71.7	83.0	87.1	93.0	106.6	116.5
Nonfarm nonresidential structures and equipment ¹ ..	24.2	34.8	45.2	43.5	48.0	50.0	56.3	64.8	73.4
Equipment ²	15.7	21.2	27.7	25.8	29.4	31.2	35.9	40.6	46.3
Structures	8.5	13.6	17.4	17.7	18.5	18.8	20.3	24.2	27.2
Farm nonresidential structures and equipment ³	3.7	3.3	3.3	3.5	3.7	4.3	4.5	4.9	5.9
Residential structures	19.4	23.3	22.8	22.6	25.3	27.0	27.6	27.8	25.8
Nonfarm	18.6	22.7	22.2	22.0	24.8	26.4	27.0	27.2	25.3
Farm .....	.8	.6	.6	.6	.6	.6	.6	.6	.6
Net change in business inventories ⁴	6.8	6.0	3.6	2.0	6.0	5.9	4.7	9.1	11.9
Nonfarm	6.0	5.5	3.3	1.7	5.3	5.1	5.3	8.1	12.2
Farm .....	.8	.5	.2	.3	.7	.8	-.6	.9	-.3

¹ Items for nonfarm producers' structures and equipment are not comparable with those shown in table 707 principally because the latter exclude investment by real estate industry, nonprofit organizations, and professional persons.

² Total producers' durable equipment less farmers' purchases of equipment, including business motor vehicles.

³ Farm nonresidential structures plus farmers' purchases of equipment, including business motor vehicles. See footnote 2. ⁴ After inventory valuation adjustment.

Source: Dept. of Commerce, Office of Business Economics; *Survey of Current Business*, and unpublished data.

NO. 707. BUSINESS EXPENDITURES FOR NEW PLANT AND EQUIPMENT: 1945 TO 1967

[In billions of dollars. Excludes Alaska and Hawaii. Excludes expenditures of agricultural business and outlays charged to current account]

INDUSTRY GROUP	1945	1950	1955	1960	1963	1964	1965	1966	1967 ¹
Total	8.69	20.60	28.70	35.68	39.22	44.90	51.96	60.63	63.00
Manufacturing	3.98	7.49	11.44	14.48	15.69	18.58	22.45	26.99	27.94
Durable goods industries	1.59	3.14	5.44	7.18	7.85	9.43	11.40	13.99	14.64
Primary iron and steel .....	.20	.60	.86	1.60	1.24	1.69	1.93	2.17	2.31
Primary nonferrous metals .....	.05	.13	.21	.31	.41	.48	.68	.86	.92
Electrical mach. and equip. ....	.12	.24	.44	.68	.69	.66	.85	1.19	1.47
Machinery, except electrical ..	.32	.41	.81	1.10	1.24	1.64	2.21	2.86	3.51
Motor vehicles and equipment ..	.26	.51	1.13	.89	1.06	1.51	1.98	1.98	1.69
Transportation equipment, excluding motor vehicles .....	.06	.08	.27	.42	.53	.48	.58	1.09	1.06
Stone, clay, and glass products ..	.10	.28	.50	.62	.61	.68	.78	.91	.86
Other durable goods ² .....	.48	.87	1.21	1.56	2.05	2.28	2.41	2.98	2.84
Nondurable goods industries	2.39	4.36	6.00	7.30	7.84	9.16	11.05	13.00	13.30
Food and beverages .....	.43	.76	.72	.92	.97	1.06	1.24	1.39	1.49
Textile-mill products .....	.21	.45	.37	.53	.64	.76	.98	1.13	1.00
Paper and allied products .....	.12	.33	.52	.75	.72	.94	1.12	1.50	1.55
Chemicals and allied products ..	.38	.77	1.02	1.60	1.61	1.97	2.59	2.99	3.04
Petroleum and coal products .....	.88	1.59	2.80	2.64	2.92	3.36	3.82	4.42	4.59
Rubber products .....	.12	.10	.15	.23	.23	.27	.34	.42	.52
Other nondurable goods ³ .....	.26	.36	.44	.64	.73	.80	.96	1.14	1.11
Mining .....	.38	.71	.96	.99	1.04	1.19	1.30	1.47	1.58
Railroad .....	.55	1.11	.92	1.03	1.10	1.41	1.73	1.98	1.48
Transportation, other than rail ..	.57	1.21	1.60	1.94	1.92	2.38	2.81	3.44	3.94
Public utilities .....	.50	3.31	4.31	5.68	5.65	6.22	6.94	8.41	9.15
Communication .....	.32	1.10	1.98	3.13	3.79	4.30	4.94	5.62	6.22
Commercial and other ⁴	2.38	5.67	7.49	8.44	10.03	10.83	11.79	12.74	18.91

¹ Estimates based on anticipated capital expenditures as reported by business in February 1967.

² Comprises fabricated metal products, lumber products, furniture and fixtures, instruments, ordnance, and miscellaneous manufactures.

³ Comprises apparel and related products, tobacco, leather and leather products, and printing and publishing.

⁴ Comprises trade, service, finance, and construction.

Source: Dept. of Commerce, Office of Business Economics, and Securities and Exchange Commission; in *Survey of Current Business*.

No. 708. BUSINESS EXPENDITURES FOR NEW PLANT AND EQUIPMENT, QUARTERLY TOTALS AT ANNUAL RATES: 1965 TO 1967

[In billions of dollars. Excludes Alaska and Hawaii. Seasonally adjusted. See headnote, table 707]

INDUSTRY	1965				1966				1967 ¹		
	Jan.-Mar.	Apr.-June	July-Sept.	Oct.-Dec.	Jan.-Mar.	Apr.-June	July-Sept.	Oct.-Dec.	Jan.-Mar.	Apr.-June	July-Dec.
Total.....	49.0	50.4	52.8	55.4	58.0	60.1	61.3	62.8	62.6	62.3	63.7
Manufacturing.....	20.8	21.6	23.0	24.1	25.6	26.8	27.6	27.8	27.6	27.7	28.2
Durable goods.....	10.4	10.8	11.8	12.5	13.2	13.9	14.4	14.5	14.5	14.3	14.9
Nondurable goods.....	10.4	10.7	11.3	11.7	12.5	13.0	13.2	13.3	13.2	13.5	13.3
Mining.....	1.3	1.3	1.3	1.4	1.4	1.6	1.5	1.5	1.5	1.6	1.7
Railroad.....	1.8	1.6	1.7	2.0	1.8	2.0	1.9	2.4	1.7	1.4	1.5
Trans. other than rail.....	2.6	2.7	3.0	3.0	3.3	3.5	3.4	3.5	3.5	4.0	4.2
Public utilities.....	6.8	6.9	6.8	7.3	8.3	8.3	8.6	8.5	9.3	9.5	8.9
Commercial and other ²	15.9	16.4	17.1	17.6	17.7	18.0	18.5	19.3	19.1	18.2	19.2

¹ See footnote 1, table 707. ² Comprises trade, service, finance, construction, and communication.

 Source: Dept. of Commerce, Office of Business Economics, and Securities and Exchange Commission; in *Survey of Current Business*.

No. 709. MERGERS AND ACQUISITIONS—MANUFACTURING AND MINING CONCERNS ACQUIRED: 1920 TO 1966

 [Total limited to actions reported by Moody's Investors Service and Standard and Poor's Corporation. Many smaller acquisitions are not reported in these sources. Includes partial acquisitions when they comprise whole divisions of other companies. See also *Historical Statistics, Colonial Times to 1957*, series V 30]

PERIOD	Total	YEAR	Total	LARGE CONCERNS ¹		YEAR	Total	LARGE CONCERNS ¹	
				Number	Assets (mil. dol.)			Number	Assets (mil. dol.)
1920-1924.....	2,235	1950.....	219	4	173	1959.....	835	64	1,959
1925-1929.....	4,583	1951.....	235	9	201	1960.....	844	62	1,708
		1952.....	288	13	327	1961.....	954	59	2,129
1930-1934.....	1,687	1953.....	295	23	679				
1935-1939.....	577	1954.....	387	35	1,420	1962.....	853	72	2,192
						1963.....	861	68	2,917
1950-1954.....	1,424	1955.....	683	67	2,115	1964.....	854	90	2,784
1955-1959.....	3,365	1956.....	673	58	2,036				
		1957.....	585	49	1,459	1965.....	1,008	93	3,910
1960-1964.....	4,366	1958.....	589	39	1,119	1966.....	995	98	4,006

¹ Includes all concerns with assets of \$10 million and over.

 Source: Federal Trade Commission; *Report on Corporate Mergers and Acquisitions*, 1955, and news release, February 24, 1967.

No. 710. MERGERS AND ACQUISITIONS—MANUFACTURING AND MINING CONCERNS ACQUIRED, BY INDUSTRY GROUP OF ACQUIRING CONCERN: 1948 TO 1966

[See headnote, table 709]

INDUSTRY GROUP OF ACQUIRING CONCERN	1948-1957, total	1958	1959	1960	1961	1962	1963	1964	1965	1966
Total.....	3,714	589	835	844	954	853	861	854	1,008	995
Mining.....	234	53	44	33	50	32	55	39	47	42
Manufacturing.....	3,241	503	734	742	780	744	716	712	826	841
Food and kindred products.....	414	51	69	61	73	56	67	69	86	69
Tobacco manufactures.....	17	2	3	2	5	5	6	5	9	9
Textiles and apparel.....	227	23	46	53	51	59	62	55	76	64
Lumber and furniture.....	76	9	24	32	15	21	29	12	24	29
Paper and allied products.....	145	32	39	52	28	23	16	14	27	21
Printing and publishing.....	51	14	23	26	46	31	31	24	30	23
Chemicals.....	317	58	76	68	86	108	78	103	89	105
Petroleum and coal products.....	75	11	20	10	10	25	14	19	24	13
Rubber products.....	51	4	5	14	18	15	14	13	20	15
Leather products.....	34	2	5	1	7	9	6	9	6	6
Stone, clay, and glass products.....	124	21	40	27	24	22	15	15	24	27
Primary metals.....	181	29	36	29	34	36	35	39	28	33
Fabricated metals.....	278	39	53	45	57	32	46	45	63	50
Machinery, except electrical.....	516	71	91	77	87	73	88	72	87	102
Electrical machinery.....	289	69	82	113	122	113	109	116	117	145
Transportation equipment.....	264	49	65	67	47	56	46	56	59	64
Professional and scientific instruments.....	111	20	37	35	50	42	28	34	36	50
Miscellaneous manufactures.....	71	9	20	30	20	18	26	11	25	16
Nonmanufacturing.....	239	33	57	69	124	77	90	103	135	112

 Source: Federal Trade Commission; *Report on Corporate Mergers and Acquisitions*, 1955, and news releases.

No. 711. MERGERS AND ACQUISITIONS—MANUFACTURING AND MINING CONCERNS ACQUIRED, BY SIZE OF ASSETS OF ACQUIRING CONCERN: 1948 TO 1966

[See headnote, table 709]

ASSETS OF ACQUIRING CONCERN	1948-1963		1964		1965		1966	
	Number acquired	Per- cent	Number acquired	Per- cent	Number acquired	Per- cent	Number acquired	Per- cent
Total	8,650	100.0	854	100.0	1,008	100.0	995	100.0
Under \$1,000,000.....	94	1.1	7	0.8	19	1.9	3	0.3
\$1,000,000 to \$4,999,999.....	1,163	13.4	101	11.8	101	10.0	102	10.2
\$5,000,000 to \$9,999,999.....	1,123	13.0	99	11.6	104	10.3	107	10.8
\$10,000,000 to \$49,999,999.....	2,812	32.5	283	33.2	325	32.3	318	32.0
\$50,000,000 and over.....	2,685	31.0	280	32.8	379	37.6	396	39.8
Assets unknown.....	773	8.9	84	9.8	80	7.9	69	6.9

Source: Federal Trade Commission; *Report on Corporate Mergers and Acquisitions, 1955*, and news releases.

No. 712. BANKRUPTCY CASES FILED AND PENDING: 1905 TO 1966

[For years ending June 30. Covers all U.S. District Courts. A bankruptcy case is a proceeding filed in a U.S. District Court under the National Bankruptcy Act. "Filed" means the commencement of a proceeding through the presentation of a petition to the clerk of the court; "Pending" is a proceeding in which the administration has not been completed]

YEAR	Filed	Pending	YEAR	Filed	Pending	YEAR	Filed	Pending
1905.....	16,946	27,957	1950.....	33,392	38,376	1961.....	146,643	123,690
1910.....	18,053	25,302	1955.....	59,404	55,592	1962.....	147,780	133,761
1915.....	27,632	43,515	1956.....	62,086	59,364	1963.....	155,493	147,814
1920.....	13,558	29,728	1957.....	73,761	68,457	1964.....	171,719	157,166
1925.....	45,641	59,959	1958.....	91,668	80,446	1965.....	190,323	162,372
1930.....	62,845	61,410	1959.....	100,672	84,273	1966.....	192,354	168,507
1935.....	69,153	65,347	1960.....	110,034	94,990			
1940.....	62,320	54,740						
1945.....	12,862	21,461						

Source: Administrative Office of the United States Courts; *Tables of Bankruptcy Statistics, 1940 to date*; earlier years, annual reports of the Attorney General of the United States.

No. 713. BANKRUPTCY CASES FILED, BY TYPE OF BANKRUPTCY AND OCCUPATION OF DEBTOR: 1940 TO 1966

[For years ending June 30. Covers all U.S. District Courts. The majority of cases filed are voluntary straight bankruptcy petitions filed by employees and individuals not engaged in business]

ITEM	1940	1950	1955	1960	1962	1963	1964	1965	1966
Total	52,320	33,392	59,404	110,034	147,780	155,493	171,719	180,323	192,354
TYPE									
Straight bankruptcies.....	45,654	26,632	48,899	95,710	123,881	129,814	143,167	151,137	163,005
Voluntary.....	43,902	25,263	47,650	94,414	122,499	128,405	141,828	149,820	161,840
Involuntary.....	1,752	1,369	1,249	1,296	1,382	1,409	1,339	1,317	1,165
Corporate reorganization ¹	320	134	73	90	77	128	125	88	101
Arrangements ²	1,139	614	566	634	940	1,221	1,135	1,071	984
Wage earners' plans ³	3,247	6,007	9,864	13,599	22,880	24,329	27,292	28,027	28,261
Other.....	1,980	5	2	1	2	1	-	-	3
OCCUPATION OF DEBTOR⁴									
Merchants.....	4,651	2,565	3,317	3,157	3,804	3,797	4,533	4,332	4,209
Manufacturers.....	921	803	750	624	579	680	660	688	624
Farmers.....	2,678	290	386	453	548	554	565	589	551
Employees.....	36,846	22,933	46,163	89,639	120,742	127,157	141,550	148,965	160,299
Members of professions.....	801	126	217	495	768	749	779	778	627
Other.....	6,423	6,675	8,571	15,666	19,957	21,137	22,282	23,628	24,871
In business.....	4,193	4,668	4,515	7,555	8,581	9,118	8,639	9,188	9,260
Not in business.....	2,230	2,107	4,056	8,111	11,376	12,019	13,643	14,440	15,611

- Represents zero.

¹ Includes petitions filed under Chapter X (Corporate Reorganization) of the National Bankruptcy Act.

² Includes petitions filed under Chapter XI (Arrangements) and Chapter XII (Real Estate Arrangements) of the National Bankruptcy Act.

³ Includes petitions filed under Chapter XIII (Wage Earners' Plans) of the National Bankruptcy Act.

⁴ Beginning 1962, excludes straight and corporate involuntary.

Source: Administrative Office of the United States Courts; *Tables of Bankruptcy Statistics*.

No. 714. INDUSTRIAL AND COMMERCIAL FAILURES—NUMBER AND LIABILITIES: 1921 TO 1966

[Excludes Alaska and Hawaii. Excludes all railroad failures. Beginning 1933, excludes real estate and financial companies. Beginning 1939, includes voluntary discontinuances with loss to creditors and small concerns forced out of business with insufficient assets to cover all claims. See also *Historical Statistics, Colonial Times to 1967*, series V 1-3]

YEARLY AVERAGE OR YEAR	Total concerns in business ¹ (1,000)	FAILURES ²				YEAR OR MONTH	Total concerns in business ¹ (1,000)	FAILURES ²			
		Number	Rate per 10,000 concerns	Current liabilities ³ (mil. dol.)	Average liability			Number	Rate per 10,000 concerns ⁴	Current liabilities ³ (mil. dol.)	Average liability
1921-1925...	2, 013	20, 775	103	556	\$26, 740	1957.....	2, 652	13, 739	52	615	\$44, 784
1926-1930...	2, 185	23, 605	108	514	21, 779	1958.....	2, 675	14, 984	56	728	48, 607
1931-1935...	2, 024	20, 860	102	553	26, 526	1959.....	2, 708	14, 053	52	693	49, 300
1936-1940...	2, 038	12, 054	58	196	16, 282	1960.....	2, 708	15, 445	57	839	60, 772
1941-1945...	2, 022	5, 301	25	69	12, 988	1961.....	2, 641	17, 075	64	1, 090	63, 843
1946-1950...	2, 493	5, 652	21	213	44, 733	1962.....	2, 589	15, 782	61	1, 214	76, 898
1951-1955...	2, 635	9, 317	35	370	39, 322	1963.....	2, 544	14, 374	56	1, 353	84, 100
1956-1960...	2, 674	14, 177	53	708	49, 576	1964.....	2, 524	13, 501	53	1, 329	85, 454
1961-1965...	2, 565	14, 849	57	1, 261	86, 219	1965.....	2, 527	13, 514	53	1, 322	97, 800
1950.....	2, 687	9, 162	34	248	27, 099	1966.....	2, 520	13, 061	52	1, 386	106, 091
1951.....	2, 608	8, 058	31	260	32, 210	Jan.....	2, 523	1, 084	51	103	95, 180
1952.....	2, 637	7, 611	29	283	37, 224	Mar.....	2, 524	1, 226	50	103	84, 387
1953.....	2, 667	8, 862	33	394	44, 477	May.....	2, 519	997	46	96	96, 666
1954.....	2, 632	11, 086	42	469	41, 731	July.....	2, 520	1, 017	52	70	68, 708
1955.....	2, 633	10, 969	42	443	40, 068	Sept....	2, 520	1, 040	57	129	124, 194
1956.....	2, 629	12, 686	48	563	44, 356	Nov.....	2, 536	1, 112	56	107	95, 982

¹ Annual data represent number of names listed in July issue of *Dun & Bradstreet Reference Book*; monthly data are listings in edition published in specified month. See table 716 for class of industries covered.

² Includes concerns discontinuing following assignment, voluntary or involuntary petition in bankruptcy, attachment, execution, foreclosure, etc.; voluntary withdrawals from business with known loss to creditors; also enterprises involved in court action, such as receivership, and, since June 1934, reorganization or arrangement which may or may not lead to discontinuance; and businesses making voluntary compromise with creditors out of court.

³ Liabilities exclude long-term publicly held obligations; offsetting assets are not taken into account.

⁴ Monthly data represent annual rate at which business concerns would fail if number of concerns and failures listed in that month prevailed for entire year. Adjustments have been made for seasonal fluctuations.

Source: Dun & Bradstreet, Inc., New York, N.Y.; *The Failure Record Through 1966*, and unpublished data.

No. 715. INDUSTRIAL AND COMMERCIAL FAILURES—PERCENT DISTRIBUTION, BY MAJOR INDUSTRY GROUP AND YEARS IN BUSINESS: 1956 TO 1966

[Excludes Alaska and Hawaii]

YEARS IN BUSINESS	ALL CONCERNS		MINING AND MANUFACTURING		WHOLESALE		RETAIL		CONSTRUCTION		COMMERCIAL SERVICE	
	Annual avg., 1956-1965	1966	Annual avg., 1956-1965	1966	Annual avg., 1956-1965	1966	Annual avg., 1956-1965	1966	Annual avg., 1956-1965	1966	Annual avg., 1956-1965	1966
Number of failures..	14, 513	13, 061	2, 461	1, 852	1, 434	1, 255	7, 003	6, 076	2, 353	2, 510	1, 263	1, 368
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
First year.....	3.3	2.6	2.8	2.4	2.5	1.7	4.3	3.5	1.7	1.4	3.3	2.4
Second year.....	17.1	15.7	14.7	12.6	12.4	13.6	21.0	20.4	11.1	9.0	16.5	14.0
Third year.....	16.5	18.2	14.7	16.0	14.2	16.5	18.3	20.5	14.8	15.4	10.5	17.8
Fourth year.....	11.7	12.5	11.0	10.1	10.9	10.7	11.8	13.4	12.8	12.8	12.4	13.6
Fifth year.....	8.4	8.4	7.8	8.1	8.2	8.0	7.9	7.7	10.4	10.3	8.6	8.2
Sixth year.....	6.5	6.7	6.3	7.1	6.3	6.9	5.9	5.8	8.2	8.4	6.8	6.7
Seventh year.....	5.0	5.4	4.8	6.0	5.1	4.9	4.5	4.5	6.4	6.4	5.3	6.8
Eighth year.....	4.1	3.9	4.1	3.9	4.3	3.9	3.6	3.3	5.1	5.0	4.1	5.1
Ninth year.....	3.4	3.0	3.6	2.8	3.6	3.6	3.0	2.2	4.2	4.9	3.5	3.4
Tenth year.....	2.9	2.5	3.2	2.8	3.3	1.1	2.5	1.9	3.6	4.1	3.2	3.2
Over 10 years.....	21.1	21.1	27.0	28.2	29.2	29.1	17.2	16.8	21.7	22.3	19.8	18.8

Source: Dun & Bradstreet, Inc., New York, N.Y.; *The Failure Record Through 1966*, and unpublished data.

No. 716. INDUSTRIAL AND COMMERCIAL FAILURES—NUMBER AND LIABILITIES, BY INDUSTRY AND SIZE OF LIABILITY: 1955 TO 1966

[Liabilities in thousands of dollars. Excludes Alaska and Hawaii. See footnotes 2 and 3, table 714]

INDUSTRY AND SIZE OF LIABILITY	FAILURES				CURRENT LIABILITIES			
	1955	1960	1965	1966	1955	1960	1965	1966
Total	10,969	15,445	13,514	13,061	449,380	938,630	1,321,666	1,385,659
Mining and manufacturing	2,202	2,612	2,097	1,852	156,945	289,635	350,324	352,861
By industry:								
Mining—coal, oil, misc.....	55	98	84	73	5,156	19,650	14,556	15,740
Food and kindred products.....	165	173	149	122	14,198	31,275	29,549	27,620
Textile-mill products and apparel.....	506	435	317	276	25,334	36,374	39,128	50,296
Lumber and products.....	336	520	344	296	13,658	38,292	35,098	54,921
Paper, printing, and publishing.....	114	200	202	174	6,760	12,084	31,674	10,494
Chemicals and allied products.....	49	63	79	78	3,454	5,662	11,796	16,361
Leather and products.....	80	82	42	30	4,358	12,785	6,180	9,027
Stone, clay, and glass products.....	49	44	41	59	1,821	4,000	10,247	13,417
Iron, steel, and products.....	120	167	128	98	14,219	27,046	37,326	27,060
Machinery.....	291	289	271	219	37,278	44,682	73,010	46,843
Transportation equipment.....	47	133	95	94	5,327	16,854	11,041	16,202
Miscellaneous.....	390	408	345	333	25,382	40,929	50,719	64,880
By size of liability:								
Under \$25,000.....	1,003	1,071	633	542	12,182	11,798	7,551	6,502
\$25,000 to \$100,000.....	764	941	831	739	39,288	46,364	41,345	35,706
\$100,000 and over.....	345	600	633	571	108,475	231,473	301,428	310,653
Wholesale trade	1,164	1,473	1,355	1,255	57,682	107,156	144,361	176,874
By industry:								
Food and farm products.....	274	321	275	243	12,635	29,318	27,276	28,003
Apparel.....	62	46	37	38	2,176	3,513	3,142	4,718
Dry goods.....	54	35	39	40	4,107	1,403	3,157	9,702
Lumber, bldg. materials, hardware.....	135	184	183	156	7,014	14,040	17,542	18,692
Chemicals and drugs.....	36	45	43	56	1,187	1,625	2,569	27,544
Motor vehicles and auto equipment.....	68	116	114	131	2,020	7,404	6,634	7,615
Miscellaneous.....	535	726	604	501	28,543	49,852	84,041	80,600
By size of liability:								
Under \$25,000.....	632	654	444	395	7,385	7,867	5,237	4,771
\$25,000 to \$100,000.....	412	577	600	561	10,690	27,889	29,391	27,947
\$100,000 and over.....	120	242	311	299	30,607	71,400	109,733	144,156
Retail trade	5,339	7,386	6,250	6,076	121,619	241,094	287,478	344,346
By industry:								
Food and liquor.....	1,053	1,059	823	818	10,556	28,557	32,065	35,636
General merchandise.....	193	255	225	201	5,193	12,844	26,238	42,829
Apparel and accessories.....	865	978	642	580	17,774	25,759	23,079	23,104
Furniture, homefurnishings.....	719	968	670	608	21,072	35,782	39,393	32,048
Lumber, bldg. materials, hardware.....	324	487	366	375	10,367	20,068	20,200	22,727
Automotive group.....	544	1,338	1,267	1,316	12,915	49,944	56,088	65,583
Eating and drinking places.....	956	1,426	1,397	1,361	20,330	41,589	56,941	65,554
Drug stores.....	128	166	184	155	2,574	5,817	9,368	28,032
Miscellaneous.....	557	709	607	662	11,838	17,745	24,076	28,833
By size of liability:								
Under \$25,000.....	4,057	4,838	3,391	2,986	38,351	50,719	39,300	36,458
\$25,000 to \$100,000.....	1,101	2,164	2,307	2,504	48,197	94,846	104,779	117,038
\$100,000 and over.....	181	384	552	586	35,071	95,529	143,399	190,860
Construction	1,404	2,607	2,513	2,510	83,179	201,369	290,980	326,376
By industry:								
General building contractors.....	443	1,020	1,030	1,049	39,827	110,656	106,633	229,737
Building subcontractors.....	880	1,419	1,329	1,326	34,485	74,177	78,049	80,351
Other contractors.....	81	168	154	135	8,867	16,536	16,298	16,288
By size of liability:								
Under \$25,000.....	777	1,180	951	917	8,737	13,266	11,258	11,458
\$25,000 to \$100,000.....	462	991	1,074	1,015	21,779	48,040	53,733	50,245
\$100,000 and over.....	165	436	488	578	52,663	140,033	225,989	264,673
Commercial service	860	1,367	1,299	1,368	29,955	99,376	248,523	185,202
By industry:								
Passenger and freight transportation.....	255	410	370	372	11,870	38,356	68,863	27,735
Miscellaneous public services.....	30	62	82	62	4,028	3,874	69,801	8,570
Hotels.....	41	82	88	92	5,901	23,271	32,217	108,953
Cleaning, dyeing, repairing.....	95	122	92	96	1,229	3,381	3,206	3,467
Laundries.....	8	68	51	55	1,344	2,459	2,167	3,015
Undertakers.....	5	7	13	12	401	172	531	971
Other personal services.....	61	81	102	120	536	3,583	2,250	3,163
Business and repair services.....	320	535	501	559	4,646	24,280	69,488	29,328
By size of liability:								
Under \$25,000.....	638	829	655	661	5,706	8,561	7,265	7,651
\$25,000 to \$100,000.....	177	405	464	513	8,049	17,823	21,793	23,757
\$100,000 and over.....	45	133	190	194	16,200	72,992	219,465	153,794

No. 717. INDUSTRIAL AND COMMERCIAL FAILURES—NUMBER AND LIABILITIES, BY STATES: 1960 TO 1966

STATE	TOTAL CONCERNS IN BUSINESS ¹			Number			As per- cent of con- cerns in busi- ness, 1966	Current liabilities (\$1,000)		
	1960	1965	1966	1960	1965	1966		1960	1965	1966
United States²	2,707,519	2,527,360	2,520,173	15,445	13,514	13,061	0.52	938,630	1,321,666	1,385,659
New England	175,369	157,551	156,967	717	729	731	0.47	56,688	62,734	100,654
Maine	15,523	13,813	13,709	39	72	58	0.42	3,875	3,402	2,450
New Hampshire	10,213	9,730	9,787	33	52	49	0.50	2,424	3,034	2,897
Vermont	6,692	6,347	6,381	14	5	11	0.17	1,223	181	1,011
Massachusetts	88,527	76,269	75,518	295	378	398	0.53	28,887	29,601	81,538
Rhode Island	15,903	15,269	14,215	103	86	85	0.60	5,730	5,837	3,029
Connecticut	38,511	36,143	37,357	233	136	130	0.35	14,549	20,079	9,729
Middle Atlantic	529,082	505,698	500,650	4,609	3,374	2,870	0.57	276,280	471,995	403,825
New York	253,471	243,751	238,246	3,093	2,268	1,880	0.79	191,549	328,034	240,874
New Jersey	99,131	96,558	98,092	714	512	442	0.45	49,071	96,393	61,191
Pennsylvania	176,430	165,389	164,312	802	594	548	0.33	35,663	47,618	101,760
East North Central	526,957	484,592	481,864	2,683	1,945	1,755	0.36	146,212	139,670	121,170
Ohio	132,646	126,524	126,424	836	751	758	0.60	38,603	54,652	32,270
Indiana	66,344	62,405	61,745	151	111	115	0.19	9,686	10,923	7,748
Illinois	162,962	133,988	132,928	836	566	413	0.31	47,367	38,738	36,224
Michigan	104,091	98,773	98,968	524	222	215	0.22	37,687	16,114	22,860
Wisconsin	70,914	62,902	61,799	336	295	254	0.41	12,869	19,243	22,068
West North Central	266,327	247,086	240,001	492	654	652	0.27	29,204	49,352	56,356
Minnesota	54,680	53,091	51,704	101	294	360	0.70	5,050	19,548	23,945
Iowa	51,272	45,850	45,865	92	101	72	0.16	4,393	5,658	12,589
Missouri	70,700	60,717	59,619	132	88	70	0.12	7,489	10,542	9,505
North Dakota	10,654	10,496	10,326	13	17	29	0.28	1,496	2,897	1,645
South Dakota	12,266	12,083	11,527	5	29	19	0.16	179	1,509	491
Nebraska	27,802	26,970	25,930	32	56	55	0.21	2,366	3,111	3,537
Kansas	38,953	37,879	35,530	117	69	47	0.13	8,231	6,087	4,644
South Atlantic	363,439	328,879	333,698	1,695	1,459	1,266	0.38	78,940	107,524	112,750
Delaware	6,257	5,898	6,094	18	6	14	0.23	1,532	619	984
Maryland	36,553	36,155	36,211	160	218	221	0.61	7,043	17,027	19,628
Dist. of Columbia	9,484	10,547	10,142	30	14	10	0.10	2,161	1,281	1,155
Virginia	49,170	44,657	44,914	143	119	130	0.29	10,681	9,244	9,124
West Virginia	26,094	22,634	24,088	85	105	86	0.36	4,051	6,345	5,955
North Carolina	65,137	58,225	56,743	152	75	56	0.10	4,874	5,030	3,019
South Carolina	29,168	28,097	28,745	162	52	3	0.01	2,349	554	42
Georgia	55,019	50,231	50,687	227	269	204	0.40	11,813	20,009	18,069
Florida	86,567	72,435	76,074	718	601	542	0.71	34,436	47,415	54,774
East South Central	150,966	147,377	147,479	406	426	399	0.27	33,016	39,726	32,384
Kentucky	41,501	39,804	39,937	86	62	105	0.26	11,593	6,375	7,022
Tennessee	45,272	44,664	44,874	172	188	134	0.30	10,850	19,938	13,802
Alabama	37,253	35,769	35,503	85	123	109	0.31	4,149	9,679	7,219
Mississippi	26,940	27,140	27,165	63	53	51	0.19	6,424	3,734	4,341
West South Central	283,784	261,265	262,706	888	1,081	883	0.34	77,942	133,209	105,429
Arkansas	28,046	27,761	27,906	76	84	61	0.22	5,231	5,301	4,847
Louisiana	47,687	44,330	45,694	190	167	128	0.28	9,725	45,346	10,881
Oklahoma	42,333	38,783	38,403	105	119	142	0.37	8,078	9,438	14,961
Texas	165,718	150,391	150,803	517	711	552	0.37	54,908	73,074	74,740
Mountain	116,081	115,330	114,045	452	787	729	0.64	26,202	53,148	56,959
Montana	12,882	11,880	11,573	17	7	17	0.15	565	279	766
Idaho	10,879	10,119	10,063	40	69	60	0.60	1,987	4,375	3,845
Wyoming	6,735	6,902	6,576	5	11	8	0.12	630	400	692
Colorado	34,072	33,859	33,575	110	143	112	0.33	6,348	15,467	9,519
New Mexico	15,693	16,386	16,511	43	84	91	0.55	2,222	5,623	6,880
Arizona	18,277	18,620	17,609	183	203	195	1.11	11,662	10,439	20,740
Utah	12,892	12,390	12,361	37	243	203	1.64	1,623	14,085	12,299
Nevada	4,711	5,224	5,597	17	27	43	0.77	993	2,480	2,218
Pacific³	295,514	279,582	282,763	3,503	3,059	3,776	1.34	214,328	264,308	396,132
Washington	42,082	41,764	42,293	428	363	440	1.04	15,534	15,739	22,101
Oregon	28,433	27,128	27,177	541	338	340	1.25	13,407	12,330	14,601
California	224,999	210,690	213,293	2,534	2,358	2,996	1.40	135,387	236,839	359,430

¹ Represents number of names listed in July issue of *Dun & Bradstreet Reference Book*. See table 716 for class of industries covered. ² See footnotes 2 and 3, table 714.

³ Excludes Alaska and Hawaii.

Source: *Dun & Bradstreet, Inc., New York, N.Y.; The Failure Record Through 1965*, and unpublished data.

Section 18

Communications

This section presents statistics on usage, finances, and operations of the various communications media: Postal service, telephone, telegraph, radio, television, newspapers, and books. Data on the postal service are included in the *Annual Report of the Postmaster General*. Statistics on revenues, volume of mail, and distribution of expenditures by classes of mail and services are presented in the Post Office Department's annual *Cost Ascertainment Report*. Principal sources of wire, radio, and television data are the Federal Communications Commission's *Annual Report*, its annual *Statistics of Communications Common Carriers*, and its annual releases of financial data reported by radio and television stations and networks. Statistics on number and circulation of newspapers and periodicals and on sales of books and pamphlets are issued by the Bureau of the Census in reports of the Census of Manufactures. Annual data on number and circulation of daily and Sunday newspapers appear in Editor and Publisher's *International Yearbook Number*. Monthly data on new books and new editions of books are presented by R. R. Bowker Company in *Publishers' Weekly*.

Postal Service.—"Cost ascertainment" is the term used by the Post Office Department to describe its system for developing data on revenues, expenses, volume, and average hauls fairly attributable to each class of mail handled by the Postal Service (first, second, third, fourth, foreign, penalty, franked, free for the blind, and air mail) and similar data for each of its special services (special delivery, money order, insurance, collect-on-delivery, registry, certified, and postal savings).

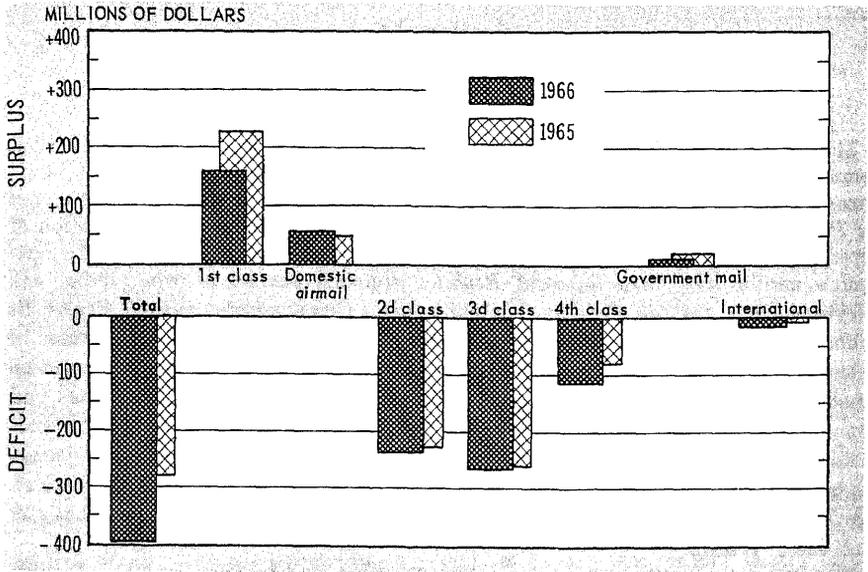
Telephone and telegraph systems.—Statistical coverage of wire and radio communications has been concentrated in the Federal Communications Commission since its establishment in 1934. According to the Communications Act of 1934, as amended, the Commission has full jurisdiction only over carriers engaged in interstate or foreign communications service by means of their own facilities or those of another carrier under direct or indirect common control. The Commission requires all except the smallest of these carriers to file annual and monthly reports and requires the companies controlling any but the smallest to file annual reports. Full jurisdiction applies to practically all domestic and overseas telegraph carriers and to the Communications Satellite Corporation but not to a large number of telephone carriers which are engaged in interstate or foreign service only by connection with the facilities of another unaffiliated carrier. However, the gross operating revenues of the telephone carriers reporting annually to the Commission are estimated to cover over 90 percent of the revenues of all telephone carriers in the United States.

Broadcasting.—The number of broadcast stations authorized refers to the number licensed or holding construction permits. 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. Reports filed with the Federal Communications Commission by broadcast stations and networks cover substantially all units operating in the United States and its outlying areas.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

FIG. XXXII. SURPLUS OR DEFICIT IN MAIL REVENUES AND ACCRUED COSTS 1965 AND 1966

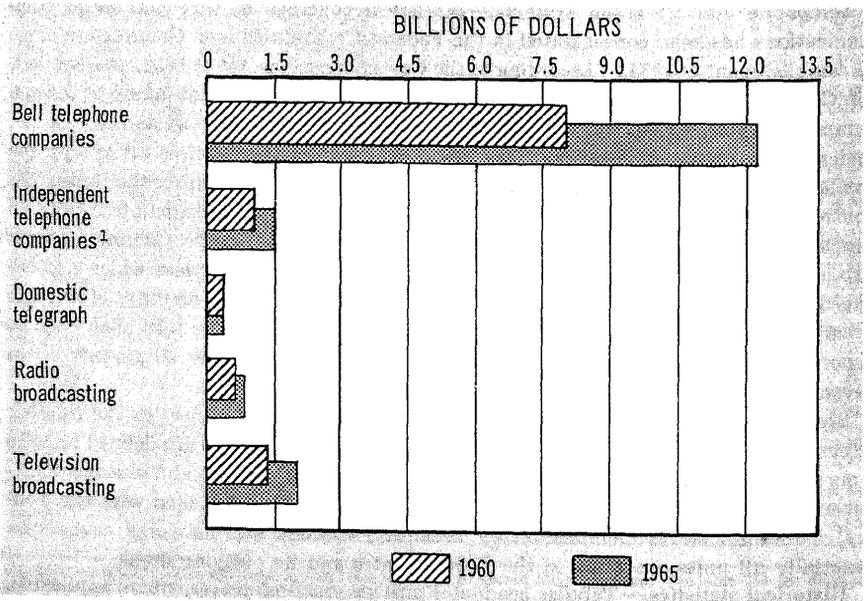
[See table 720]



Source: Chart prepared by Dept. of Commerce, Bureau of the Census. Data from Post Office Dept.

FIG. XXXIII. OPERATING REVENUES OF SELECTED COMMUNICATIONS MEDIA: 1960 AND 1965

[See tables 727, 728, 734, 739, and 740]



¹ Includes estimates for nonreporting companies; see footnote 2, table 728.

Source: Chart prepared by Dept. of Commerce, Bureau of the Census. Data from American Telephone & Telegraph Company, United States Independent Telephone Association, and Federal Communications Commission.

No. 718. UNITED STATES POSTAL SERVICE—SUMMARY: 1900 TO 1966

[For years ending June 30. Includes Puerto Rico and all outlying areas except Canal Zone; see table 723. See text, p. 503. See also *Historical Statistics, Colonial Times to 1957*, series R 139-141 and R 145]

YEAR	Number of post offices	FINANCES ¹			Revenue per capita ³	MONEY ORDERS ISSUED		Sales of postage stamps and other stamped paper	Postage paid under permit (1st, 2d, 3d, and 4th class)	Number of pieces of mail handled ⁴
		Revenues	Expenditures ²	Surplus (+) or deficit (-)		Domes-tic	Inter-national			
		<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Dollars</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Mil. dol.</i>	<i>Millions</i>
1900.....	76,688	5102	108	-5	1.34	239	17	94	1	7,130
1905.....	68,131	153	167	-15	1.82	402	43	140	1	10,188
1910.....	59,580	224	230	-6	2.43	558	90	202	4	14,850
1915.....	56,380	287	289	-11	2.85	654	52	255	8	(NA)
1920.....	52,641	437	454	-17	4.11	1,333	23	380	13	(NA)
1925.....	50,957	600	639	-40	5.28	1,533	36	508	39	25,835
1930.....	49,063	705	804	-98	5.75	1,715	52	575	74	27,888
1935.....	45,686	631	697	-66	4.94	1,821	22	473	85	22,332
1940.....	44,024	767	808	-41	5.84	2,095	13	522	177	27,749
1945.....	41,792	1,314	1,145	+169	9.44	4,849	21	954	252	37,912
1950.....	41,464	1,677	2,223	-545	11.14	5,122	16	862	675	45,064
1955.....	38,316	2,349	2,712	-363	14.33	5,852	31	999	1,136	55,234
1960.....	35,238	3,277	3,874	-597	18.27	5,031	27	1,243	1,701	63,675
1961.....	34,855	3,423	4,249	-826	18.78	4,958	25	1,260	1,829	64,933
1962.....	34,797	3,557	4,352	-795	19.20	4,787	25	1,260	1,930	66,493
1963.....	34,498	3,879	4,699	-820	20.63	4,709	23	1,379	2,111	67,853
1964.....	34,040	4,276	4,928	-652	22.41	4,719	22	1,504	2,357	69,676
1965.....	33,624	4,483	5,276	-793	23.17	4,519	20	1,528	2,532	71,873
1966.....	33,121	4,784	5,727	-943	24.43	4,706	18	1,579	2,715	75,607

NA Not available.

¹ After allowance for reimbursements, embossed envelope purchases, indemnity claims, and miscellaneous revenue and expenditure offsets. Revenues, expenditures, and deficits through 1950 on cash-disbursement basis, i.e., they include payments and receipts in a year applicable to prior years; beginning 1955, expenditures are shown in year in which obligation was incurred, and revenues in year which gave rise to the earnings, whether collected or accrued. During fiscal 1954, the Department began receiving reimbursement for penalty and franked mail, and discontinued payment of subsidies to airlines. Revenues include reimbursements from the Treasury General Fund for statutory public services as follows: 1960, \$37.4 million; 1961, \$49.0 million; 1962, \$62.7 million. These and other changes affect comparability of figures from year to year.

² Includes capital expenditures for plant and equipment and cost of materials and supplies, but no provision for depreciation. Also includes costs of certain services rendered to other agencies without reimbursement but excludes costs of certain services rendered to the Post Office Department by other agencies. Beginning 1955, amounts shown represent obligations incurred. Beginning 1963, amount represents accrued expense including depreciation on fixed assets, reimbursable work for others, and expenses paid by certain other agencies without reimbursement by the Department. ³ Based on Bureau of the Census estimated total population as of Jan. 1, including Armed Forces abroad.

⁴ Estimates. ⁵ Service not inaugurated. ⁶ Includes postal notes issued under act of Congress.

Source: Post Office Dept.; *Annual Report of the Postmaster General and Cost Ascertainment Report*.

No. 719. POSTAL SERVICE REVENUES, BY SOURCE: 1920 TO 1966

[In millions of dollars. For years ending June 30. Includes Puerto Rico and all outlying areas except Canal Zone; see table 723. See text, p. 503]

REVENUE SOURCE	1920	1930	1940	1945	1950	1955	1960	1965	1966
Total	437	705	767	1,314	1,677	2,349	3,277	4,483	4,784
Ordinary postal revenue.....	424	686	732	1,247	1,608	2,266	3,189	4,374	4,634
Stamps, postal cards, etc.....	380	575	522	954	862	999	1,243	1,525	1,575
Second-class postage paid in money (pound rates) ²	25	29	23	25	40	64	86	131	143
Other postage paid in money under permit.....	13	74	177	252	678	1,136	1,701	2,532	2,715
Box rents.....	6	9	8	11	14	26	29	34	36
Miscellaneous.....	1	1	3	4	11	41	130	152	165
Money-order revenues.....	10	17	24	47	63	66	81	59	61
Postal Savings System income.....	2	2	11	21	8	18	7	3	5
Operating reimbursements.....	-	-	-	-	-	-	-	47	84

- Represents zero.

¹ Net revenue after refunds of postage. Beginning 1965, includes operating reimbursements.

² Beginning 1955, includes controlled circulation publications.

³ Includes \$37.4 million appropriated to postal revenues for public services as provided by the Postal Policy Act of 1958.

Source: Post Office Dept.; *Annual Report of the Postmaster General*.

No. 720. POSTAL REVENUES AND ACCRUED COSTS: 1965 AND 1966

[In thousands of dollars. For years ending June 30. Includes Puerto Rico and all outlying areas except Canal Zone; see table 723. See also *Historical Statistics, Colonial Times to 1957*, series R 146-160]

MAIL AND SERVICE	1965				1966			
	Revenues	Accrued costs, including public services	Public service losses and costs ¹	Excess of revenues (+) or obligations (-)	Revenues	Accrued costs, including public services	Public service losses and costs ¹	Excess of revenues (+) or obligations (-)
All operations.....	4,483,390	5,275,840	514,107	-278,343	4,784,186	5,726,523	542,855	-399,481
All mails and special services.....	4,438,721	5,110,314	393,251	-278,343	4,702,322	5,518,701	416,897	-399,481
Prepaid domestic mail.....	3,921,864	4,532,092	316,012	-294,217	4,150,048	4,889,816	341,897	-397,872
1st class.....	2,192,790	1,965,589	-	+227,201	2,333,875	2,176,068	-	+157,818
Domestic airmail.....	242,987	197,816	-	+45,171	276,981	221,436	-	+55,545
2d class.....	119,149	499,090	165,026	-214,915	126,338	523,888	176,451	-221,099
Controlled circulation publications.....	15,208	24,805	-	-9,597	18,929	31,572	-	-12,643
3d class.....	649,987	999,031	87,454	-261,591	681,591	1,040,751	94,073	-265,088
4th class (parcel post).....	701,743	845,761	63,532	-80,486	712,334	896,111	71,373	-112,405
Government mail.....	123,674	103,795	354	+20,232	136,131	125,673	395	+10,853
Penalty ²	117,162	97,101	156	+20,217	128,883	117,828	231	+11,287
Franked ³	6,512	6,695	198	+15	7,248	7,846	164	-434
Free for the blind.....	-	2,844	2,844	-	-	2,849	2,849	-
International mail.....	152,041	157,542	300	-5,201	157,604	171,202	300	-13,297
Special services.....	232,280	306,021	73,741	-	249,161	320,618	71,456	-
Registry (paid).....	32,525	47,215	14,690	-	32,736	50,026	17,290	-
Certified mail.....	11,065	14,555	3,490	-	12,584	15,926	3,342	-
Insurance.....	29,137	35,057	5,920	-	33,070	38,318	5,248	-
Collect on delivery.....	13,181	26,251	13,070	-	13,766	26,868	13,101	-
Special delivery.....	34,934	58,760	23,825	-	35,805	65,944	30,138	-
Money orders.....	58,965	71,538	12,574	-	60,968	69,114	8,147	-
Postal savings.....	3,290	2,823	+467	-	4,522	2,715	+1,808	-
Box rent service.....	34,461	29,549	+4,912	-	35,960	31,591	+4,369	-
Stamped envelope service.....	14,722	20,272	5,550	-	19,750	20,117	367	-
Unassignable.....	8,863	8,020	-	+843	9,378	8,543	-	+835
Nonpostal services.....	44,669	66,434	21,764	-	81,864	105,316	23,452	-
Alien address reporting.....	283	283	-	-	280	280	-	-
U.S. savings bonds and stamps.....	803	741	+62	-	709	675	+34	-
Migratory bird stamps.....	115	154	39	-	119	161	41	-
Custodial service (public bldgs.).....	310	16,016	15,706	-	764	16,875	16,111	-
Transportation of military mail.....	42,460	42,460	-	-	79,855	79,855	-	-
Miscellaneous items, other agencies.....	699	6,781	6,082	-	137	7,469	7,333	-
Public service-direct cost.....	-	99,092	99,092	-	-	102,506	102,506	-

- Represents zero.

¹ P. L. 87-793 provides for treatment of losses on specified free and preferred rate mails and services as public service losses; amounts shown are computed public service costs attributable to provisions of this law.

² Includes special services, other departments, Government Printing Office mailings of *Congressional Record* and other documents sent at congressional request. ³ Includes registry (official).

Source: Post Office Dept.; *Cost Ascertainment Report*.

No. 721. PIECES OF MAIL RECEIVED PER CAPITA: 1945 TO 1966

For years ending June 30. Includes Puerto Rico and all outlying areas except Canal Zone; see table 723. Based on estimated total population as of January 1, including Armed Forces abroad]

TYPE OF MAIL	1945	1950	1955	1960	1961	1962	1963	1964	1965	1966
Major domestic mail.....	257	287	324	341	342	345	347	351	357	371
Letters (1st class and airmail).....	166	168	184	193	196	199	199	201	205	216
2d class.....	42	42	41	42	44	44	44	46	46	46
3d class.....	41	69	92	100	97	97	98	98	101	104
4th class.....	8	8	7	6	5	5	6	6	5	5

Source: Post Office Dept. Based on *Annual Report of the Postmaster General and Cost Ascertainment Report*.

No. 722. POSTAL SERVICE AND ACCRUED COSTS: 1955 TO 1966

[In millions of dollars. For years ending June 30. Includes Puerto Rico and all outlying areas except Canal Zone; see table 723]

OBJECT	1955	1960	1963	1964	1965	1966
Total funded costs ¹	2,738	3,920	4,530	4,747	5,085	5,525
Post Office operations.....	2,266	3,170	3,829	4,033	4,375	4,753
Salaries and travel of postmasters and supervisors, etc.....	249	378	456	482	513	547
Salaries and travel of clerks, etc.....	826	1,239	1,630	1,717	1,865	2,070
City delivery service, etc.....	535	814	1,062	1,127	1,236	1,330
Rural delivery service.....	195	253	236	252	263	273
Special delivery service, etc.....	180	101	34	36	40	44
All other.....	281	385	411	419	458	489
Transportation of mails.....	429	535	603	612	602	656
Railroad.....	297	341	355	352	331	317
Star route ²	49	70	77	81	90	104
Domestic water transportation.....	3	4	4	4	5	5
Highway post offices.....	4	6	6	6	6	6
Domestic airmail.....	34	49	67	74	82	96
Foreign airmail.....	27	44	74	74	67	106
Other foreign mail ³	16	21	20	21	21	22
Claims and miscellaneous.....	6	8	10	11	11	12
General administration and overhead apportioned.....	38	207	88	91	97	102
Plant and equipment ⁴	-	-	-	-	-	2

- Represents zero. ¹ Represents appropriation obligations adjusted for direct public service costs and changes in selected resources. Excludes depreciation or other non-fund costs.
² Includes short-haul truck route. ³ Includes terminal and transportation charges by foreign countries.
⁴ Beginning 1966 certain plant and equipment items expensed when obligated.

Source: Post Office Dept.: *Cost Ascertainment Report and Financial Supplement to the Annual Report of the Postmaster General.*

No. 723. POST OFFICES—STATES AND OTHER AREAS: 1960, 1965, AND 1966

[For years ending June 30. Represents independent post offices; excludes branches and stations]

STATE OR OTHER AREA	1960	1965	1966	STATE OR OTHER AREA	1960	1965	1966
Total	35,238	33,624	33,121	South Atlantic—Con.			
United States	35,118	33,507	33,004	South Carolina.....	435	423	418
New England	2,068	1,952	1,925	Georgia.....	714	696	687
Maine.....	599	561	554	Florida.....	514	490	486
New Hampshire.....	297	273	266	East South Central	3,575	3,345	3,286
Vermont.....	323	310	307	Kentucky.....	1,643	1,489	1,448
Massachusetts.....	519	488	480	Tennessee.....	651	630	623
Rhode Island.....	62	60	59	Alabama.....	738	711	703
Connecticut.....	268	260	259	Mississippi.....	543	515	512
Middle Atlantic	4,394	4,227	4,165	West South Central	3,797	3,676	3,618
New York.....	1,757	1,710	1,693	Arkansas.....	795	768	751
New Jersey.....	553	544	535	Louisiana.....	593	573	566
Pennsylvania.....	2,084	1,973	1,937	Oklahoma.....	718	691	682
East North Central	5,121	4,991	4,955	Texas.....	1,691	1,644	1,619
Ohio.....	1,169	1,123	1,116	Mountain	2,480	2,330	2,274
Indiana.....	823	798	792	Montana.....	439	410	405
Illinois.....	1,365	1,342	1,332	Idaho.....	321	298	289
Michigan.....	933	908	902	Wyoming.....	222	201	195
Wisconsin.....	831	820	813	Colorado.....	475	456	447
West North Central	5,525	5,337	5,257	New Mexico.....	404	379	367
Minnesota.....	943	919	905	Arizona.....	242	228	224
Iowa.....	1,026	1,006	996	Utah.....	266	253	242
Missouri.....	1,142	1,083	1,062	Nevada.....	111	105	105
North Dakota.....	540	521	507	Pacific	2,617	2,466	2,426
South Dakota.....	476	453	446	Washington.....	583	537	530
Nebraska.....	608	592	587	Oregon.....	431	392	384
Kansas.....	790	763	754	California.....	1,305	1,240	1,224
South Atlantic	5,541	5,183	5,098	Alaska.....	215	217	208
Delaware.....	61	60	60	Hawaii.....	83	80	80
Maryland.....	486	464	458	Other	120	117	117
Dist. of Columbia.....	1	1	1	Puerto Rico.....	105	102	102
Virginia.....	1,228	1,059	1,032	Virgin Islands.....	5	5	5
West Virginia.....	1,267	1,173	1,145	Other areas ¹	10	10	10
North Carolina.....	835	817	811				

¹ Comprises Guam, Samoa (Tutuila), Wake, Caroline, Mariana, and Marshall Islands.

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

No. 724. POST OFFICE MAIL, BY CLASSES: 1950 TO 1966

[For years ending June 30. Includes Puerto Rico and all outlying areas except Canal Zone; see table 723. See also *Historical Statistics, Colonial Times to 1967*, series R 145-160]

CLASS OF MAIL	1950	1955	1960	1963	1964	1965	1966
PIECES OF MAIL ¹ (millions)							
All mail.....	45,064	55,234	63,675	67,853	69,677	71,873	75,607
Domestic.....	44,646	54,722	63,115	67,314	69,117	71,294	75,037
1st class.....	24,500	28,713	33,235	35,833	36,943	38,088	40,422
Airmail.....	853	1,407	1,356	1,545	1,505	1,629	1,823
2d class.....	6,265	6,740	7,535	8,227	8,559	8,600	8,634
3d class.....	² 10,343	15,050	17,910	18,407	18,599	19,454	20,305
4th class (parcel post).....	² 1,179	1,136	1,016	1,076	1,066	1,045	1,066
Controlled circulation publications.....	(²)	85	125	196	251	281	347
Penalty.....	1,472	1,480	1,826	1,927	2,067	2,088	2,228
Franked.....	32	48	109	95	120	122	198
Free for blind.....	2	3	5	7	8	7	9
International.....	417	512	560	538	560	579	570
Regular mail ³	190	235	212	203	215	213	197
Parcel post.....	21	8	9	8	8	9	8
Publishers' 2d class.....	85	110	145	96	98	97	92
Airmail ³	121	167	193	231	237	259	271
Air parcel post.....	1	1	1	2	2	2	2
WEIGHT OF MAIL (mil. lb.)							
All mail.....	11,521	10,844	11,689	11,868	12,202	12,330	12,694
Domestic.....	11,176	10,668	11,500	11,710	12,035	12,152	12,515
1st class.....	620	804	956	1,082	1,130	1,200	1,290
Airmail.....	53	85	103	128	137	155	182
2d class.....	2,287	2,582	2,883	2,910	3,031	3,133	3,225
3d class.....	² 646	892	1,277	1,527	1,601	1,705	1,812
4th class (parcel post).....	² 7,370	6,035	5,879	5,663	5,623	5,425	5,389
Controlled circulation publications.....	(²)	44	63	83	97	114	140
Penalty.....	183	201	305	376	376	383	438
Franked.....	5	5	9	7	7	8	12
Free for blind.....	12	20	26	35	35	30	32
International.....	345	177	189	158	168	178	179
Regular mail ³	25	33	36	38	42	42	42
Parcel post.....	272	82	77	61	62	69	65
Publishers' 2d class.....	43	54	66	45	47	49	52
Airmail ³	4	6	7	10	12	13	15
Air parcel post.....	1	1	3	4	4	5	5

¹ Estimated.

² Publications included with 3d and 4th class.

³ Comprises letters, cards, and other articles.

Source: Post Office Dept.; *Cost Ascertainment Report*.

No. 725. POST OFFICE EMPLOYEES, BY TYPE: 1950 TO 1966

[As of June 30. Includes Puerto Rico and all outlying areas except Canal Zone; see table 723. See *Historical Statistics, Colonial Times to 1967*, series R 161, for total employees]

TYPE OF EMPLOYEE	1950	1955	1960	1963	1964	1965	1966
Total.....	500,578	511,613	562,868	587,161	585,313	595,512	675,423
Substitute.....	136,804	144,712	153,881	150,031	144,554	148,118	200,977
Regular.....	363,774	366,901	408,987	437,130	440,759	447,394	474,446
Departmental.....	1,775	1,530	1,481	1,665	1,687	1,840	1,814
Field.....	361,999	365,371	407,506	435,465	439,072	445,545	472,632
Regional and other field units reporting to Headquarters ¹	-	2,599	6,491	6,075	5,933	5,505	5,494
Inspection service.....	1,172	1,313	1,483	1,506	1,557	1,565	1,609
Postmasters.....	² 45,004	² 42,233	35,165	34,835	33,869	33,304	32,688
Post office supervisors and technical personnel.....	(³)	(³)	27,070	28,909	29,360	29,863	30,192
Post office clerks and mail handlers ⁴	169,148	174,920	171,914	184,311	185,044	188,460	209,843
City carriers ⁵	90,216	91,418	109,749	126,602	129,336	132,522	137,814
Rural carriers.....	32,553	32,022	31,266	31,131	31,098	30,981	30,871
Special delivery messengers.....	2,004	2,086	2,282	2,422	2,415	2,438	2,522
Vehicle service.....	4,699	5,081	7,087	3,599	3,613	3,673	3,769
Maintenance service.....	17,203	13,699	14,969	16,575	16,847	17,234	17,830

- Represents zero. ¹ Includes money order center and supply center personnel.

² Includes assistant postmasters: 3,540 in 1950, and 3,917 in 1955. ³ Included in club-mail handler totals.

⁴ Includes mobile unit employees. ⁵ Beginning 1963, vehicle drivers included with city carriers.

Source: Post Office Dept.; *Annual Report of the Postmaster General*.

No. 726. TELEPHONES, CALLS, AND RATES: 1940 TO 1966

[See also *Historical Statistics, Colonial Times to 1957*, series R 1-13]

ITEM	1940	1950	1960	1962	1963	1964	1965	1966
Telephones (Dec. 31).....1,000..	21,976	43,131	74,342	80,969	84,453	88,793	93,656	98,783
Total per 1,000 population.....	164.9	280.8	407.7	430.3	442.7	458.9	478.2	501.3
Bell companies ¹.....1,000..	18,311	36,795	62,989	68,393	71,152	74,659	78,632	82,813
Dial operated ¹.....1,000..	10,915	27,893	61,144	67,490	70,586	74,303	78,439	82,744
Independent companies.....1,000..	3,665	6,336	11,353	12,576	13,301	14,134	15,024	15,970
Average daily conversations (1,000):								
Bell companies ^{1 2}	82,367	144,999	225,385	249,106	258,066	269,300	287,400	303,400
Local ¹	79,515	138,881	215,317	237,942	246,282	256,500	273,400	288,000
Long distance ^{1 2}	2,852	6,118	10,068	11,164	11,784	12,800	14,000	15,400
Independent companies ²	17,252	31,159	60,001	67,400	70,800	75,900	80,400	84,800
Local.....	16,738	29,927	58,005	65,158	68,400	73,200	77,400	81,500
Long distance ²	514	1,232	1,996	2,242	2,400	2,700	3,000	3,300
Toll rates in effect (Dec. 31), from New York City to: ³								
Philadelphia.....	\$0.45	\$0.45	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
Chicago.....	1.90	1.55	1.45	1.45	1.45	1.45	1.40	1.40
Denver.....	3.25	2.20	1.80	1.80	1.80	1.80	1.70	1.70
San Francisco.....	4.00	2.50	2.25	2.25	2.25	2.25	2.00	2.00

¹ Comprises American Telephone and Telegraph Company and its principal telephone subsidiaries, which constitute the Bell Telephone System, plus Southern New England and Cincinnati and Suburban Bell Telephone Companies, together with telephones serviced by these companies.

² Includes messages originating in independent company areas routed in part over Bell facilities.

³ Source: Federal Communications Commission. Represents rate for station-to-station, daytime, 3-minute call.

Source: American Telephone and Telegraph Company, New York, N.Y., except as noted; compiled from reports of Bell System, Southern New England and Cincinnati and Suburban Companies, and unpublished data.

No. 727. BELL TELEPHONE COMPANIES—SUMMARY: 1940 TO 1966

[Money figures in millions of dollars. As of December 31 or calendar year, as applicable. Comprises American Telephone and Telegraph Company and its principal telephone subsidiaries, which constitute the Bell Telephone System, plus Southern New England and Cincinnati and Suburban Bell Telephone Companies. See also *Historical Statistics, Colonial Times to 1957*, series R 14-27]

ITEM	1940	1950	1960	1962	1963	1964	1965	1966
Central offices, number ¹	7,189	8,656	11,212	11,683	12,445	13,107	13,425	13,687
Miles of wire ².....1,000..	91,274	144,256	307,876	346,697	368,594	394,360	422,623	453,521
Percent total wire mileage in cable.....	95.8	96.6	97.8	98.0	98.1	98.3	98.5	98.7
Miles of coaxial tube.....	-	62,741	96,783	107,748	135,111	155,091	168,980	196,872
Miles of microwave radio relay, broad band 1-way channel.....	-	7,517	298,091	422,314	514,220	607,182	727,958	893,111
Book value of plant (cost).....	4,887	10,375	24,722	28,657	30,854	33,385	36,229	39,317
Depreciation and amortization reserves.....	1,397	2,905	5,402	6,126	6,584	7,158	7,794	8,551
Operating revenues.....	1,206	3,342	8,111	9,195	9,796	10,549	11,320	12,419
Local exchange.....	811	1,997	4,665	5,219	5,528	5,779	6,114	6,517
Toll.....	361	1,208	3,058	3,544	3,814	4,291	4,706	5,378
Operating expenses ³	913	2,653	5,586	6,273	6,648	7,233	7,857	8,578
Net income.....	226	370	1,279	1,461	1,557	1,744	1,887	2,076
Dividends declared ⁴	180	263	770	917	934	1,085	1,144	1,250
Employees, number.....	282,224	534,751	594,860	578,403	585,941	604,577	627,278	666,982
Wages and salaries.....	522	1,742	3,283	3,513	3,660	3,890	4,169	4,517

- Represents zero.

¹ Beginning 1963, data on revised basis, not fully comparable with prior years.

² Excludes drop and block wire.

³ Includes operating taxes other than Federal income.

⁴ Includes dividends on all minority holdings of preferred and common stocks, but excludes intercompany dividends.

Source: American Telephone and Telegraph Company, New York, N.Y.; compiled from reports of Bell System, Southern New England and Cincinnati and Suburban Companies, and unpublished data.

No. 728. INDEPENDENT TELEPHONE COMPANIES—SUMMARY: 1940 TO 1965

[Money figures in millions of dollars. As of December 31 or calendar year, as applicable. Includes Puerto Rico. Covers only those companies submitting operating information to the U.S. Independent Telephone Association. Companies reporting in 1965 represented 90 percent of the Independent telephones in service. See also *Historical Statistics, Colonial Times to 1967*, series R 28-42]

ITEM	1940	1950	1955	1960	1962	1963	1964	1965
All companies, number.....	6,400	5,500	4,700	3,300	2,800	2,700	2,500	2,400
Reporting companies, number.....	218	379	406	550	601	613	663	669
Number of telephones (incl. service tele- phones).....1,000.....	2,194	4,922	6,750	9,718	11,125	11,868	12,800	13,648
Miles of wire ¹.....1,000.....	(NA)	9,176	15,201	28,594	35,017	40,005	46,049	(NA)
Telephone plant in service, book value.....	375	878	1,656	3,396	4,335	4,847	5,452	6,056
Depreciation reserves.....	85	203	326	600	793	911	1,039	1,168
Operating revenues ²	81	270	503	906	1,120	1,248	1,386	1,530
Local exchange.....	60	171	329	585	710	778	849	917
Toll.....	19	92	155	289	372	429	492	561
Operating expenses ³	61	211	354	630	755	835	934	1,040
Net income.....	13	29	67	117	157	177	201	225
Dividends declared.....	(NA)	(NA)	43	81	103	113	126	138
Employees.....1,000.....	(NA)	63	72	85	86	90	95	101
Wages and salaries.....	(NA)	147	224	359	404	440	485	537

NA Not available.

¹ Miles of open wire and miles of wire in aerial, underground, and other cable.

² Revenues for the total Independent industry (U.S. and Puerto Rico) including estimates for nonreporting companies, amounted to \$1,020 million in 1960, \$1,254 million in 1962, \$1,376 million in 1963, \$1,519 million in 1964, and \$1,670 million in 1965.

³ Excludes Federal income taxes.

Source: United States Independent Telephone Association, Washington, D.C.; annual report, *Statistics of the Independent Telephone Industry*. (Copyright).

No. 729. TELEPHONE SYSTEMS—SUMMARY: 1940 TO 1965

[In millions of dollars, except as indicated. Includes Puerto Rico and, beginning 1963, Virgin Islands. Excludes intercompany duplications. Covers telephone carriers filing annual reports with FCC. Revisions in the Commission's rules regarding reporting requirements in 1951 and 1965 resulted in a smaller number of reporting carriers; comparability of data relatively unaffected by change in coverage. Gross operating revenues of carriers (excluding intercompany duplications of Bell System) reporting in 1965 represented approximately 91 percent of revenues of all telephone carriers as estimated by U.S. Independent Telephone Association]

ITEM	1940	1945	1950	1955	1960	1963	1964	1965
Carriers.....number.....	78	76	71	53	52	60	60	54
Telephones.....1,000.....	10,336	24,814	38,525	49,753	65,735	74,547	78,260	82,424
Miles of wire.....1,000.....	93,688	104,388	147,380	204,879	315,541	379,211	406,440	435,962
Capital investment:								
Book cost of plant.....	5,071	6,057	10,702	16,224	25,714	32,290	34,960	37,967
Depreciation and amortization reserves.....	1,438	2,167	2,979	4,098	5,577	6,839	7,443	8,105
Ratio to book cost.....percent.....	28.35	35.77	27.84	25.26	21.69	21.18	21.29	21.35
Capital stock.....	2,112	2,246	3,195	5,967	8,383	9,266	9,813	10,036
Funded debt.....	1,214	1,389	3,779	4,612	7,720	9,275	9,448	9,874
Earned surplus.....	359	358	446	992	2,625	4,092	4,697	5,355
Dividends declared.....	185	193	270	498	796	971	1,126	1,191
Income and expenses:								
Operating revenues ²	1,243	2,037	3,445	5,562	8,365	10,158	10,949	11,762
Local service revenues.....	839	1,108	2,058	3,253	4,823	5,742	6,011	6,364
Toll service revenues.....	370	867	1,245	2,049	3,148	3,952	4,447	4,886
Operating expenses.....	812	1,342	2,464	3,704	5,024	5,955	6,503	7,082
Operating ratio ³.....percent.....	65.33	65.89	71.52	66.80	60.07	58.63	59.39	60.21
Net operating income ⁴	237	274	455	764	1,399	1,830	1,926	2,094
Net income.....	221	191	372	694	1,250	1,538	1,727	1,862
Employees ⁵.....1,000.....	305	398	565	649	627	611	631	655
Compensation of employees.....	537	936	1,798	2,693	3,384	3,784	4,023	4,317
Annual average.....dollars.....	1,763	2,350	3,182	4,149	5,398	6,194	6,376	6,591

¹ Includes company, service, and private line telephones.

² Includes miscellaneous revenues not shown separately.

³ Ratio of operating expenses, excluding taxes, to operating revenues.

⁴ After tax deductions.

⁵ For 1940, and beginning 1963, as of Dec. 31; 1945 to 1960 as of Oct. 31.

Source: Federal Communications Commission; annual report, *Statistics of Communications Common Carriers*.

No. 730. TELEPHONES IN USE, BY STATES: 1965

[As of December 31]

STATE	TELEPHONES (1,000)					Tele- phones per 100 popula- tion	House- holds with tele- phone service ¹ (percent)	Bell com- panies calls ² (mil.)
	Total	Ownership		Type of service				
		Bell companies	All other	Busi- ness	Resi- dence			
United States	93, 659	78, 633	15, 026	26, 008	67, 651	48. 07	85	125, 006
Alabama.....	1, 197	1, 024	173	321	876	34. 39	70	2, 080
Alaska.....	64	64	64	28	36	26. 89	(NA)	-
Arizona.....	645	629	16	213	432	39. 47	70	1, 030
Arkansas.....	620	457	163	108	452	31. 45	63	816
California.....	10, 596	8, 464	2, 132	3, 132	7, 464	56. 18	89	13, 862
Colorado.....	1, 023	1, 006	17	313	710	51. 66	86	1, 541
Connecticut.....	1, 622	1, 617	5	431	1, 191	56. 76	94	2, 171
Delaware.....	281	281	-	78	203	55. 22	89	356
District of Columbia.....	757	757	-	365	392	94. 21	91	1, 191
Florida.....	2, 796	1, 901	895	882	1, 914	47. 60	79	3, 398
Georgia.....	1, 688	1, 455	233	472	1, 216	38. 46	73	3, 017
Hawaii.....	323	-	323	105	218	48. 79	(NA)	-
Idaho.....	277	219	58	77	200	39. 96	79	355
Illinois.....	5, 823	4, 900	923	1, 624	4, 199	54. 44	89	6, 538
Indiana.....	2, 263	1, 463	800	561	1, 702	46. 13	88	2, 448
Iowa.....	1, 328	914	414	284	1, 044	48. 10	95	1, 315
Kansas.....	1, 040	858	182	254	786	46. 49	87	1, 294
Kentucky.....	1, 078	797	281	272	806	33. 84	70	1, 514
Louisiana.....	1, 353	1, 284	69	347	1, 006	38. 04	76	2, 933
Maine.....	389	354	35	101	288	39. 14	82	480
Maryland.....	1, 805	1, 803	2	484	1, 321	50. 71	90	2, 512
Massachusetts.....	2, 871	2, 869	2	821	2, 050	63. 56	95	4, 352
Michigan.....	4, 065	3, 642	423	1, 020	3, 045	49. 27	93	6, 061
Minnesota.....	1, 730	1, 405	325	423	1, 307	48. 52	94	2, 285
Mississippi.....	620	593	27	159	461	26. 63	56	1, 161
Missouri.....	2, 178	1, 814	364	584	1, 594	48. 29	85	3, 007
Montana.....	297	240	48	81	216	41. 92	80	370
Nebraska.....	711	409	302	185	526	48. 08	88	645
Nevada.....	224	92	132	93	131	49. 62	69	130
New Hampshire.....	296	281	15	75	221	43. 89	88	359
New Jersey.....	3, 750	3, 691	59	958	2, 792	54. 94	91	4, 823
New Mexico.....	394	340	54	141	253	37. 98	68	550
New York.....	10, 492	9, 722	770	3, 200	7, 292	57. 79	91	14, 522
North Carolina.....	1, 625	883	742	437	1, 188	32. 90	69	1, 644
North Dakota.....	263	182	81	69	194	40. 26	86	274
Ohio.....	5, 005	3, 906	1, 099	1, 246	3, 759	48. 64	90	6, 234
Oklahoma.....	1, 122	993	129	323	799	45. 06	79	1, 714
Oregon.....	920	729	191	258	662	48. 21	87	1, 164
Pennsylvania.....	6, 033	5, 049	984	1, 473	4, 560	52. 31	90	6, 507
Rhode Island.....	432	432	-	115	317	48. 28	90	657
South Carolina.....	796	596	200	212	584	31. 19	68	1, 141
South Dakota.....	278	225	53	67	211	39. 49	82	371
Tennessee.....	1, 436	1, 219	217	369	1, 067	37. 14	75	2, 699
Texas.....	4, 556	3, 803	753	1, 364	3, 192	42. 90	75	7, 196
Utah.....	468	451	17	135	333	47. 06	89	847
Vermont.....	169	148	21	47	122	42. 77	89	189
Virginia.....	1, 788	1, 437	351	514	1, 274	39. 78	77	2, 314
Washington.....	1, 494	1, 186	308	420	1, 074	49. 88	89	1, 874
West Virginia.....	626	550	76	151	475	34. 66	74	934
Wisconsin.....	1, 890	1, 402	488	506	1, 384	45. 43	91	1, 917
Wyoming.....	162	152	10	50	112	47. 71	79	207

- Represents zero. NA Not available.

¹ Households with service are the sum of residence main, apartment house PBX and residence service main telephones, and other residence PBX systems. There tends to be a slight overstatement of the proportion of households with telephone service.² Represents the number of completed local calls and completed and uncompleted toll calls originating from company and service telephones of the Bell companies.Source: Federal Communications Commission; annual report, *Statistics of Communications Common Carriers*, and unpublished data. Data from American Telephone and Telegraph Company.

No. 731. HOUSEHOLDS WITH TELEPHONES: 1958, 1960, AND 1965

[As of March. For 1958, excludes Alaska and Hawaii. Includes members of the Armed Forces living off post or with their families on post; excludes all other Armed Forces and inmates of institutions. Base includes households for which telephone availability was not reported: For 1958, 3.0 percent; for 1960 and 1965, 2.4 percent. Based on sample and subject to sampling variability. For definition of terms used, see pp. 1-3]

AREA AND CHARACTERISTIC	TOTAL HOUSEHOLDS (1,000)			PERCENT OF HOUSEHOLDS WITH TELEPHONE			AREA AND CHARACTERISTIC	PERCENT OF HOUSEHOLDS WITH TELEPHONE		
	1958	1960	1965	1958	1960	1965		1958	1960	1965
Total	50,402	52,799	57,251	72.5	74.8	80.6				
Primary families.....	43,445	44,905	47,720	74.7	77.0	82.5	REGION ¹			
Primary individuals.....	6,957	7,895	9,531	58.6	61.5	71.2	Northeast.....	80.8	81.8	86.1
							North Central.....	78.2	79.1	86.1
RESIDENCE							South.....	58.3	63.1	70.0
Metropolitan.....	(NA)	(NA)	37,395	80.1	81.4	84.6	West.....	75.7	76.2	81.3
In central cities.....	(NA)	(NA)	19,222	77.7	77.6	81.4				
Outside central cities.....	(NA)	(NA)	18,173	(NA)	(NA)	88.1	INCOME ²			
Nonmetropolitan.....	(NA)	(NA)	19,856	61.1	64.8	72.6	Under \$1,000.....	(NA)	43.5	55.7
Nonfarm.....	(NA)	(NA)	16,883	(NA)	(NA)	73.3	\$1,000 to \$1,999.....	(NA)	50.3	61.5
Farm.....	(NA)	(NA)	2,973	45.5	50.3	68.6	\$2,000 to \$2,999.....	(NA)	57.0	66.7
							\$3,000 to \$3,499.....	82.0	66.1	70.7
HEAD OF HOUSEHOLD										
Male.....	41,487	43,198	46,027	74.5	75.8	81.2	\$3,500 to \$3,999.....	68.5	65.9	73.4
Under 25 years.....	2,082	2,184	2,918	48.5	49.5	58.7	\$4,000 to \$4,499.....	70.9	72.8	74.3
25 to 34 years.....	8,817	8,810	8,912	71.6	75.6	78.3	\$4,500 to \$4,999.....	78.4	76.8	76.5
35 to 44 years.....	9,895	10,297	10,449	78.4	79.7	85.1	\$5,000 to \$5,999.....	82.3	82.8	80.7
45 to 54 years.....	8,892	8,918	9,726	79.5	80.8	85.8	\$6,000 to \$6,999.....	86.5	88.4	85.9
55 to 64 years.....	6,238	6,618	7,290	78.6	78.4	83.7	\$7,000 to \$9,999.....	91.5	92.4	92.7
65 years and over.....	5,563	6,372	6,732	69.1	68.9	79.1				
Female.....	8,915	9,601	11,224	63.2	69.9	77.4	\$10,000 to \$14,999.....	95.5	95.0	95.6
Under 25 years.....	311	306	484	37.3	50.2	61.5	\$15,000 to \$24,999.....	95.9	96.0	96.2
25 to 34 years.....	764	847	984	44.1	58.0	60.2	\$25,000 and over.....	97.2	92.9	95.4
35 to 44 years.....	1,159	1,275	1,521	65.7	66.8	75.9				
45 to 54 years.....	1,712	1,770	1,760	66.9	73.1	77.1				
55 to 64 years.....	1,947	1,966	2,279	69.3	75.6	83.3				
65 years and over.....	3,022	3,437	4,196	63.6	70.9	80.6	Median income ³	\$5,342	\$5,738	\$6,621

NA Not available.

¹ For composition of regions, see fig. I, p. xii.

² Money income received by primary families and individuals during calendar year.

³ For definition of median, see headnote, table 8.

Source: Dept. of Commerce, Bureau of the Census; *Current Population Reports*, Series P-20, Nos. 95, 111, 146.

No. 732. RADIO AND OCEAN-CABLE TELEPHONE SERVICE: 1963 TO 1965

[In thousands. During 1965, 5 telephone carriers reporting to FCC furnished service between fixed stations and over ocean cables, 15 furnished marine service, and 37 furnished domestic public land mobile radio services; in addition, 3 telephone carriers engaged in furnishing marine service only reported revenues of \$317,000, and 3 overseas telegraph carriers reported telephone service revenues amounting to \$2,470,000, details for which were not reported.]

CLASS OF SERVICE	1963		1964		1965	
	Chargeable calls	Gross revenues	Chargeable calls	Gross revenues	Chargeable calls	Gross revenues
FIXED STATIONS AND OCEAN-CABLE						
Message service	5,495	\$71,204	6,612	\$87,238	8,464	\$103,706
Overseas ¹	4,825	60,410	5,818	85,277	7,515	101,482
Bermuda and trans-Atlantic.....	1,745	29,039	2,114	37,114	2,502	40,714
Central and South American and Caribbean.....	2,113	22,849	2,455	25,991	3,155	31,036
Trans-Pacific.....	967	17,522	1,249	22,172	1,858	29,732
Within Hawaii.....	670	1,794	794	1,961	949	2,224
Private line service, overseas.....	(X)	9,735	(X)	12,043	(X)	15,332
MOBILE STATIONS						
Marine service to mobile stations	658	1,349	691	1,445	671	1,349
General service.....	640	1,330	675	1,422	658	1,336
Dispatching service.....	18	19	16	23	13	13
Domestic public land mobile radio services ²	5,191	8,285	(NA)	10,453	(NA)	12,447
General service.....	4,465	7,351	(NA)	9,237	(NA)	10,996
Direct dispatching service.....	439	540	(NA)	510	(NA)	485
Signalling or paging service.....	287	403	(NA)	706	(NA)	966
Private mobile radiotelephone systems.....	(X)	1,437	(X)	1,345	(X)	1,221

NA Not available. X Not applicable.

¹ Includes calls between Hawaii and Puerto Rico and conterminous U.S. classified as international.

² In addition, this service was furnished by other carriers with gross operating revenues in 1963, 1964, and 1965 of \$5,700,000, \$6,900,000, and \$8,500,030, respectively.

Source: Federal Communications Commission; annual report, *Statistics of Communications Common Carriers*.

No. 733. RURAL ELECTRIFICATION ADMINISTRATION—TELEPHONE PROGRAM,
SUMMARY OF OPERATIONS: 1950 TO 1966

[Cumulative data cover period from program authorization, October 28, 1949, to December 31 of years shown]

ITEM	1950	1955	1960	1964	1965	1966
Loans approved, cumulative, Dec. 31: ¹						
Borrowers.....	61	415	727	841	845	860
Amount.....mil. dol.	19	274	737	1,126	1,200	1,296
Route miles of line provided for, cumulative, Dec. 31.....1,000.....						
Subscribers provided for, cumulative, Dec. 31.....1,000.....	21	179	378	502	515	523
To receive initial service.....1,000.....	75	607	1,467	2,011	2,066	2,139
To receive improved service.....1,000.....	45	311	673	1,027	1,072	1,127
To receive improved service.....1,000.....	29	296	794	984	994	1,012
Borrowers' operations:						
Borrowers reporting, Dec. 31.....	(NA)	285	695	804	816	² 820
Total subscribers served, Dec. 31.....1,000.....	(NA)	284	1,142	1,627	1,726	² 1,826
Receiving initial service ³.....1,000.....	(NA)	(NA)	404	685	759	² 834
Dial subscribers served, Dec. 31.....1,000.....	(NA)	(NA)	1,023	1,617	1,716	² 1,819
Receiving initial service ⁴.....1,000.....	(NA)	(NA)	869	1,395	1,479	² 1,572
Telephones in service, Dec. 31.....1,000.....	(NA)	304	1,280	1,900	2,046	² 2,185
Total operating revenues during year.....mil. dol.	(NA)	16	94	169	187	² 215
Total telephone plant.....mil. dol.	(NA)	(NA)	635	1,057	1,168	² 1,277
Employees.....	(NA)	(NA)	9,672	11,075	11,567	² 12,000

NA Not available. ¹ Net loans (recisions deducted). ² Preliminary.

³ Subscribers receiving telephone service for first time as result of R.E.A. Rural Telephone Program.

⁴ Subscribers receiving dial telephone service for first time as a result of R.E.A. Rural Telephone Program. Includes subscribers who previously had manual service.

Source: Dept. of Agriculture, Rural Electrification Administration; *Annual Statistical Report—Rural Telephone Borrowers*.

No. 734. DOMESTIC AND OVERSEAS TELEGRAPH CARRIERS—SUMMARY: 1940 TO 1965

[Money figures in thousands of dollars. Figures cover principal carriers filing annual reports with Federal Communications Commission. See also *Historical Statistics, Colonial Times to 1957*, series R 53-65 and R 72-85]

ITEM	1940	1950	1960	1963	1964	1965
DOMESTIC TELEGRAPH						
Number of carriers.....	2	1	1	1	1	1
Revenue messages transmitted ^{1 2}.....1,000.....	191,645	178,904	124,319	104,220	97,448	94,302
Message revenues.....	97,906	152,248	189,789	176,654	176,315	174,263
Total operating revenues.....	114,587	177,994	262,365	286,822	299,410	305,615
Operating revenue deductions ³	110,856	167,280	246,768	266,660	278,324	281,835
Operating income ⁴	3,731	8,664	11,247	19,162	22,286	23,780
Miles of wire in cable.....1,000.....	449	369	417	412	411	410
Miles of aerial wire.....1,000.....	1,820	929	647	598	672	554
Number of employees ⁵	59,670	40,482	32,655	28,015	26,607	26,179
Total compensation.....	74,736	116,937	164,524	160,650	161,129	164,793
Teletypewriter exchange service messages (TWX), Bell companies.....1,000.....	6,568	14,759	33,340	41,713	45,261	46,828
TELEGRAPH OVERSEAS ⁶						
Number of carriers.....	13	11	9	10	8	6
Revenue messages transmitted ².....1,000.....	16,619	22,578	28,278	29,390	31,504	28,830
Message revenues.....	29,270	42,470	62,986	61,978	64,410	57,029
Total operating revenues.....	32,087	50,333	86,976	97,822	107,560	106,697
Operating revenue deductions ³	27,035	45,226	76,885	85,102	91,109	87,375
Operating income ⁴	3,693	3,804	5,580	9,108	11,097	13,874
Miles (nautical) of ocean cable.....1,000.....	95	88	71	42	38	8
Miles of wire in non-ocean cable.....1,000.....	8	6	14	6	2	-
Miles of aerial wire.....1,000.....	8	7	6	6	6	-
Number of employees ⁵	8,083	10,759	11,011	9,968	9,041	7,581
Total compensation.....	12,809	30,240	47,636	51,905	53,131	50,532

- Represents zero.

¹ Beginning 1950, press messages included on unequated basis; equated basis for 1940.

² Principally as estimated by reporting carriers on basis of actual counts for test periods.

³ Includes depreciation and operating taxes.

⁴ After recorded provision for Federal income taxes including those on noncommunications activities.

⁵ 1940, end of December; thereafter, end of October.

⁶ Beginning 1965, excludes data for South American and most Caribbean operations of All America Cables and Radio, Inc.

Source: Federal Communications Commission; annual report, *Statistics of Communications Common Carriers* (prior to 1957 titled *Statistics of the Communications Industry in the United States*).

No. 735. COMMUNICATIONS RATES BETWEEN SELECTED CITIES: 1919 TO 1967

[See also *Historical Statistics, Colonial Times to 1957*, series R 68-71 and R 86-89]

EFFECTIVE DATE	BETWEEN NEW YORK CITY AND—				EFFECTIVE DATE	BETWEEN NEW YORK CITY AND—			
	Phila- delphia	Chicago	Denver	San Fran- cisco		London	Cairo	Tokyo	Buenos Aires
TELEGRAPH RATES¹					INTERNATIONAL CABLE AND RADIO- TELEGRAPH RATES⁴				
1919, Apr. 1.....	\$0.30	\$0.60	\$0.90	\$1.20	1940.....	\$0.20	\$0.42	\$0.72	\$0.42
1946, Dec. 29.....	.36	.72	1.08	1.44	1945, May 1.....	.20	.42	.24	.20
1950, Feb. 1.....	.40	.75	1.25	1.45	1948, Apr. 28.....	.25	.30	.30	.28
1954, July 15.....	.85	1.25	1.70	1.70	1949, Feb. 2.....	.25	.40	.40	.35
1956, Aug. 26.....	.95	1.30	1.75	1.75	1950, July 1.....	.19	.30	.30	.27
1960, Aug. 26.....	1.05	1.40	1.85	1.85	1958, Aug. 1.....	.21	.34	.34	.31
1963, Oct. 17.....	1.10	1.45	1.90	1.90	1966, Apr. 12.....	.23	.34	.34	.31
1963, July 10.....	1.20	1.60	2.10	2.10	In effect Jan. 1, 1967.	.23	.34	.34	.31
1966, Jan. 1.....	1.24	1.65	2.16	2.16					
In effect Jan. 1, 1967.	1.24	1.65	2.16	2.16					
TELETYPEWRITER EXCHANGE SERVICE (TWX) RATES²					INTERNATIONAL TELEPHONE RATES⁵				
1931, Nov. 21 ³.....	.35	1.10	1.80	2.40	1940.....	21.00	30.00	19.50	15.00
1946, Feb. 1.....	.85	1.05	1.55	1.75	1944.....	21.00	30.00	19.50	12.00
1953, July 1.....	.45	1.20	1.65	1.75	1945.....	12.00	30.00	19.50	12.00
1960, Feb. 7.....	.45	1.15	1.65	1.75	1946.....	12.00	12.00	12.00	12.00
1966, Sept. 1.....	.25	.45	.55	.60	In effect Jan. 1, 1967.	12.00	12.00	12.00	12.00
In effect Jan. 1, 1967.	.25	.45	.55	.60					

¹ Beginning Sept. 1, 1951, minimum charge for 15 text words or less; prior to that, for 10 text words or less.² Prior to September 1966, telephone company rates for 3 minutes or less, 2-way; thereafter, for each minute or fraction thereof. Since 1959, the telegraph company has offered similar service called "Telex" with a different rate structure.³ Beginning of service.⁴ Per plain language telegraph-word including address and signature.⁵ For person-to-person, 3-minute call. Station-to-station service available to Tokyo beginning June 18, 1964, with a 3-minute initial period rate of \$9.00.

Source: Federal Communications Commission; unpublished data.

No. 736. BROADCAST AND OTHER STATIONS AUTHORIZED AND OPERATORS LICENSED, BY CLASS: 1960 AND 1966

[As of June 30. Includes Puerto Rico and Virgin Islands. See also *Historical Statistics, Colonial Times to 1957*, series R 00-94 and R 120-126]

CLASS	1960	1966	CLASS	1960	1966
Safety and special radio services¹			Broadcast services²	11,179	20,125
Amateur and disaster.....	651,993	1,617,684	Commercial AM.....	3,581	4,153
Citizens.....	126,034	865,414	Commercial TV.....	653	735
Aviation.....	91,180	105,133	Educational TV.....	64	144
Aircraft.....	72,017	83,208	TV translator.....	302	2,177
Aeronautical and fixed.....	3,942	5,247	Auxiliary TV.....	1,093	1,847
Civil air patrol.....	14,432	15,220	Experimental TV.....	24	21
Other.....	789	1,458	Commercial FM.....	912	1,744
Industrial.....	64,804	152,315	Educational FM.....	181	302
Power.....	12,427	16,013	International.....	5	3
Business.....	19,161	85,716	Remote pickup.....	4,279	8,587
Petroleum.....	8,591	10,494	Studio transmitter link.....	65	184
Forest products.....	1,876	3,002	Instructional TV fixed.....	-	53
Special industrial.....	21,901	33,216	Other.....	20	175
Other.....	848	3,874	Common carrier services...	4,386	10,241
Land transportation.....	11,452	16,914	Experimental.....	-	-
Railroad.....	3,065	5,999	Point to point microwave.....	2,379	5,058
Taxicab.....	4,935	4,798	Local TV transmission.....	77	73
Interurban property.....	1,861	2,821	Rural radio.....	473	692
Other.....	1,591	3,296	Developmental.....	51	112
Marine.....	97,411	137,469	Domestic public land mobile ¹	1,350	4,267
Ship.....	95,626	134,958	Fixed public teleg.-tel.....	-	9
Alaskan.....	1,240	1,661	International control-fixed.....	-	8
Coastal and other.....	545	850	Fixed public telephone.....	12	8
Public safety.....	32,906	54,839	Fixed public telegraph.....	44	11
Police.....	14,039	18,345	Satellite earth stations.....	-	3
Fire.....	5,935	10,644	Experimental services, mis- cellaneous.....	728	928
Forestry conservation.....	3,667	4,609	Radio operators.....	2,154,402	3,088,110
Highway maintenance.....	3,582	6,130	Commercial operators.....	1,947,368	2,830,508
Special emergency.....	3,994	6,646	Amateur operators.....	207,034	257,602
Other.....	1,689	8,465			

- Represents zero. NA Not available.

¹ Each license, construction permit, or combination construction permit and license is counted as one station; therefore, a station might include a transmitter and many mobile units.² Stations licensed or holding construction permits.Source: Federal Communications Commission; *Annual Report*, and unpublished data.

**No. 737. COMMERCIAL BROADCAST STATIONS AUTHORIZED AND ON THE AIR:
1945 TO 1967**

[As of January 1. Includes Puerto Rico, Virgin Islands, and beginning 1956, Guam. Figures differ from those shown in table 738 because of different tabulations. See *Historical Statistics, Colonial Times to 1957*, series R 90-94, for number of operating stations]

YEAR	TOTAL		AM RADIO		FM RADIO		TELEVISION	
	Authorized	On the air						
1945.....	969	936	908	884	52	46	9	6
1950.....	3,098	2,881	2,199	2,051	788	733	111	97
1955.....	3,864	3,599	2,740	2,635	559	553	565	411
1956.....	4,044	3,772	2,901	2,790	557	540	586	442
1957.....	4,275	3,975	3,091	2,974	554	530	630	471
1958.....	4,503	4,185	3,256	3,156	590	537	657	492
1959.....	4,762	4,374	3,401	3,287	695	578	666	509
1960.....	4,993	4,611	3,487	3,416	838	678	668	517
1961.....	5,260	4,858	3,627	3,507	1,018	821	624	530
1962.....	5,558	5,158	3,788	3,653	1,128	960	642	545
1963.....	5,749	5,407	3,894	3,770	1,218	1,081	647	556
1964.....	5,898	5,606	3,994	3,897	1,249	1,146	655	563
1965.....	6,169	5,814	4,040	3,972	1,468	1,270	661	572
1966.....	6,474	5,986	4,129	4,004	1,657	1,393	688	589
1967.....	6,797	6,253	4,185	4,085	1,854	1,560	758	608

Source: Federal Communications Commission; annual releases, *AM-FM Broadcast Financial Data*, and TV *Broadcast Financial Data*, and unpublished data.

**No. 738. COMMERCIAL BROADCAST STATIONS ON THE AIR—STATES AND OTHER
AREAS: JANUARY 1, 1966**

STATE OR OTHER AREA	Total	AM	FM	TV	STATE OR OTHER AREA	Total	AM	FM	TV
Total.....	5,986	4,004	1,393	589	Montana.....	52	40	4	8
United States....	5,919	3,962	1,379	578	Nebraska.....	70	44	12	14
Alabama.....	171	125	31	15	Nevada.....	27	18	4	5
Alaska.....	22	15	2	5	New Hampshire.....	33	23	9	1
Arizona.....	74	55	10	9	New Jersey.....	56	31	22	3
Arkansas.....	101	77	18	6	New Mexico.....	68	52	10	6
California.....	380	223	121	36	New York.....	243	150	68	25
Colorado.....	90	64	15	11	North Carolina.....	257	179	63	15
Connecticut.....	57	37	15	5	North Dakota.....	33	22	1	10
Delaware.....	13	10	3	—	Ohio.....	221	109	91	21
Dist. of Columbia.....	17	6	6	5	Oklahoma.....	88	60	18	10
Florida.....	254	184	52	18	Oregon.....	101	78	11	12
Georgia.....	196	157	28	11	Pennsylvania.....	270	163	87	20
Hawaii.....	36	24	2	10	Rhode Island.....	22	15	5	2
Idaho.....	50	40	4	6	South Carolina.....	124	92	22	10
Illinois.....	211	118	72	21	South Dakota.....	37	26	2	9
Indiana.....	148	77	53	18	Tennessee.....	182	128	40	14
Iowa.....	99	69	18	12	Texas.....	405	273	86	46
Kansas.....	87	58	17	12	Utah.....	39	30	6	3
Kentucky.....	134	95	32	7	Vermont.....	18	16	1	1
Louisiana.....	116	86	18	12	Virginia.....	166	115	40	11
Maine.....	48	33	8	7	Washington.....	135	94	28	13
Maryland.....	81	48	29	4	West Virginia.....	80	56	15	9
Massachusetts.....	100	60	30	10	Wisconsin.....	146	88	43	15
Michigan.....	191	116	58	17	Wyoming.....	33	29	1	3
Minnesota.....	102	79	13	10	Puerto Rico.....	59	38	13	8
Mississippi.....	103	86	9	8	Guam.....	2	1	—	1
Missouri.....	132	89	26	17	Virgin Islands.....	6	3	1	2

- Represents zero.

Source: Federal Communications Commission; annual releases, *AM-FM Broadcast Financial Data*, and TV *Broadcast Financial Data*, and unpublished data.

No. 739. RADIO BROADCAST INDUSTRY FINANCES: 1950 TO 1965

[Money figures in millions of dollars. Includes Puerto Rico and Virgin Islands. Excludes FM (independents). See also headnote, table 741. See *Historical Statistics, Colonial Times to 1957*, series R 103-107, for data including FM (independents)]

ITEM	1950	1955	1960	1962	1963	1964	1965
Number of networks, Dec. 31.....	7	7	4	4	4	4	4
Number of stations, Dec. 31.....	2, 143	2, 704	3, 470	3, 772	3, 904	3, 970	4, 004
Broadcast revenues.....	443	452	592	627	670	719	777
4 networks (incl. owned and operated stations) ¹	111	78	63	64	69	71	74
Other stations.....	333	374	529	563	601	648	702
Broadcast expenses of networks and stations.....	372	406	544	580	612	645	696
4 networks (incl. owned and operated stations) ¹	92	72	66	62	63	67	71
Other stations.....	281	334	478	518	549	579	624
Broadcast income before Federal income tax.....	71	46	48	47	58	73	81
4 networks (incl. owned and operated stations) ¹	19	6	-3	2	6	4	3
Other stations.....	52	40	51	45	52	69	78
BROADCAST REVENUES							
Revenues from time sales, net.....	401	411	556	593	635	682	740
Commissions to regularly established agencies, representatives, brokers and others.....	53	46	67	72	77	82	88
Revenues from time sales.....	454	457	623	665	712	764	828
Revenues from network time sales.....	132	64	35	37	42	44	45
Revenues from non-network time sales to:							
National and regional advertisers and sponsors.....	119	120	202	208	220	232	248
Local advertisers and sponsors.....	203	272	385	420	450	488	535
Revenues from incidental broadcast activities.....	42	41	36	33	35	37	37
Talent.....	25	27	23	19	20	21	22
Sundry broadcast revenues.....	17	15	13	14	15	16	16

¹ For 1950 and 1955, 7 networks. Excludes regional networks.

Source: Federal Communications Commission; annual release, *AM-FM Broadcast Financial Data*.

No. 740. TELEVISION BROADCAST INDUSTRY FINANCES: 1950 TO 1965

[Money figures in millions of dollars. Includes Puerto Rico and Virgin Islands. See also headnote, table 741. See also *Historical Statistics, Colonial Times to 1957*, series R 114-117]

ITEM	1950	1955	1960	1961	1962	1963	1964	1965
Number of networks, Dec. 31.....	4	4	3	3	3	3	3	3
Number of stations, Dec. 31.....	107	437	530	540	554	565	575	588
Broadcast revenues.....	106	745	1, 269	1, 318	1, 486	1, 597	1, 793	1, 965
3 networks (incl. owned and operated stations) ¹	56	374	641	675	754	820	929	1, 024
Other stations.....	50	371	628	643	732	777	865	941
Broadcast expenses of networks and stations.....	115	595	1, 025	1, 081	1, 175	1, 254	1, 378	1, 517
3 networks (incl. owned and operated stations) ¹	66	306	546	588	643	684	772	862
Other stations.....	50	289	479	493	532	570	606	655
Broadcast income before Federal income tax.....	² 9	150	244	237	312	343	416	448
3 networks (incl. owned and operated stations) ¹	² 10	68	95	87	111	136	157	162
Other stations.....	1	82	149	150	200	207	259	286
BROADCAST REVENUES								
Revenues from time sales, net.....	76	572	952	962	1, 083	1, 158	1, 286	1, 394
Commissions to regularly established agencies, representatives, brokers and others.....	14	109	195	198	220	236	264	280
Revenues from time sales.....	91	681	1, 147	1, 160	1, 304	1, 395	1, 550	1, 674
Revenues from network time sales.....	35	309	472	480	522	538	563	585
Revenues from non-network time sales to:								
National and regional advertisers and sponsors.....	25	222	459	469	540	601	690	765
Local advertisers and sponsors.....	30	150	216	211	243	256	297	324
Revenues from incidental broadcast activities.....	30	172	317	356	403	439	507	571
Talent and programs.....	15	113	234	287	323	357	422	484
Sundry broadcast revenues.....	14	60	82	70	80	82	85	87

¹ 4 networks prior to Sept. 15, 1955, when DuMont ceased network operations.

² Loss.

Source: Federal Communications Commission; annual release, *TV Broadcast Financial Data*.

No. 741. BROADCAST REVENUES OF ALL NETWORKS AND STATIONS: 1945 TO 1965

[Includes Puerto Rico and Virgin Islands. 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 and program material. See also *Historical Statistics, Colonial Times to 1957*, series R 104-105 and R 114-115]

YEAR	TOTAL		AM AND AM-FM		FM (INDEPENDENTS)		TV	
	Stations (Dec. 31)	Revenues (\$1,000)	Stations (Dec. 31)	Revenues ¹ (\$1,000)	Stations (Dec. 31)	Revenues (\$1,000)	Stations (Dec. 31)	Revenues ² (\$1,000)
1945.....	912	299,715	901	299,338	5	39	6	338
1950.....	2,336	550,395	2,143	443,058	86	1,422	107	105,915
1955.....	3,179	1,198,066	2,704	452,338	38	1,013	437	744,714
1960.....	4,218	1,866,304	3,470	591,863	218	5,814	530	1,268,627
1963.....	4,691	2,278,300	3,832	669,700	294	11,400	565	1,597,200
1964.....	4,777	2,525,286	3,896	719,186	306	12,800	575	1,793,300
1965.....	4,867	2,757,289	3,941	776,789	338	15,700	588	1,964,800

¹ Covers 4 nationwide networks and, prior to 1960, 3 regional networks.

² Covers 4 networks in 1950 and Jan.-Sept. 15, 1955; 3 networks thereafter.

Source: Federal Communications Commission; annual releases, *AM-FM Broadcast Financial Data*, and *TV Broadcast Financial Data*.

No. 742. PERCENT OF HOUSEHOLDS WITH TELEVISION SETS: 1955 TO 1966

[For composition of regions, see figure I, p. xii; for definition of standard metropolitan statistical areas (SMSA's), see text, p. 2. See *Historical Statistics, Colonial Times to 1957*, series R 98, for number of families with TV]

ITEM	June 1955 ¹	May 1960	AUGUST 1965			AUGUST 1966		
			All households	Households with television		All households	Households with television	
				UHF set ²	Color set		UHF set ²	Color set
All households.....	100	100	100	23	7	100	34	13
Percent with TV.....	67	88	92	100	100	93	100	100
By area:								
Inside SMSA's.....	78	91	94	25	8	95	36	14
Outside SMSA's.....	50	82	89	19	6	91	30	11
By region:								
Northeast.....	80	92	94	23	7	95	35	13
North Central.....	72	89	94	26	7	95	38	13
South.....	53	82	90	19	6	91	29	10
West.....	62	87	92	24	11	93	34	18
By number of sets:								
No set.....	33	12	8	(X)	(X)	7	(X)	(X)
1 set.....	65	77	73	19	5	71	28	9
2 sets or more.....	2	11	20	36	17	23	51	26

X Not applicable. ¹ Excludes Alaska and Hawaii. ² Sets equipped for ultra high frequency reception.

Source: Dept. of Commerce, Bureau of the Census; *Current Housing Reports*, Series H-121.

No. 743. NEWSPRINT CONSUMPTION, NEWSPAPER PAGES, AND CIRCULATION: 1945 TO 1966

[Prior to 1960, excludes Alaska and Hawaii]

YEAR	NEWSPRINT CONSUMPTION (1,000 tons)						NEWSPAPER PAGES PER ISSUE ³		NEWSPAPER CIRCULATION PER FAMILY	
	Total ¹	By newspapers ²				Daily	Sun-day	Daily	Sun-day	
		Total	Advertising		Other content					
			Amount	Per-cent	Amount					Per-cent
1945.....	3,451	3,237	1,667	51.5	1,570	48.5	22	70	1.28	1.06
1950.....	5,863	5,521	3,279	59.4	2,242	40.6	36	112	1.23	1.06
1955.....	6,484	6,173	3,827	62.0	2,346	38.0	40	132	1.16	0.97
1960.....	7,326	6,813	4,156	61.0	2,657	39.0	43	142	1.12	0.91
1963.....	7,577	7,047	4,313	61.2	2,734	38.8	46	148	1.08	0.87
1964.....	8,092	7,526	4,644	61.7	2,882	38.3	47	154	1.07	0.87
1965.....	8,359	7,774	4,703	60.5	3,071	39.5	50	167	1.05	0.85
1966.....	8,950	8,324	5,136	61.7	3,188	38.3	53	180	1.06	0.85

¹ Apparent consumption; equals production plus imports minus exports adjusted for year-end change in newspaper publishers' inventories and domestic mill stocks.

² Based on information of Media Records, Inc.

³ Based on information of Newsprint Service Bureau, average in 39 cities.

Source: Dept. of Commerce, Business and Defense Services Administration; unpublished data.

No. 744. NEWSPAPERS—CIRCULATION AND RECEIPTS: 1958 AND 1963

[Circulation in thousands; receipts in millions of dollars. Includes foreign language newspapers. See also *Historical Statistics, Colonial Times to 1957*, series R 173-182]

TYPE OF PUBLICATION	1958				1963			
	Circulation per issue ¹	Receipts			Circulation per issue ¹	Receipts		
		Total	Subscriptions and sales	Advertising		Total	Subscriptions and sales	Advertising
Total	(X)	3,458	² 1,014	2,444	(X)	4,255	² 1,231	3,024
Daily and Sunday	(X)	3,125	917	2,209	(X)	3,792	1,064	2,728
Morning ³	1,908	88	33	55	2,354	114	39	75
Evening ³	13,225	561	151	410	13,826	674	179	495
Morning and Sunday.....	29,523	724	227	497	31,194	877	258	619
Evening and Sunday.....	26,489	705	205	500	31,326	904	255	649
Morning and evening ³	619	30	9	21	717	37	10	27
Morning, evening, and Sunday.....	35,227	1,016	292	725	36,052	1,185	323	863
Weekly and other	(X)	298	63	235	(X)	379	83	296
Weekly ⁴	29,828	248	54	195	(⁵)	288	70	219
Other ⁶	3,651	50	9	41	(⁵)	91	13	77
Not specified	(X)	35	(NA)	(NA)	(X)	84	(NA)	(NA)

NA Not available. X Not applicable.

¹ Includes paid, free, bulk, etc. "Issue" defined as the sum of all editions published on a given day.

² Includes small amount from advertising, not available separately.

³ No Sunday editions. ⁴ Includes those issued on Sunday only.

⁵ Not shown because not reported by many small newspapers. Based on yearly subscription rate for those reporting circulation, aggregate average circulation per issue for weekly newspapers is estimated at approximately 17,500,000 and for newspapers other than daily and weekly, approximately 3,600,000.

⁶ Includes newspapers issued more than 1 but less than 4 times a week, and those issued less frequently than once a week.

Source: Dept. of Commerce, Bureau of the Census; 1963 *Census of Manufactures*, Series MC 63(2)-27A.

No. 745. PERIODICALS—CIRCULATION AND RECEIPTS: 1958 AND 1963

[Circulation in thousands; receipts in millions of dollars. See also *Historical Statistics, Colonial Times to 1957*, series R 183-186]

TYPE OF PUBLICATION	1958				1963			
	Circulation per issue ¹	Receipts			Circulation per issue ¹	Receipts		
		Total	Subscriptions and sales	Advertising		Total	Subscriptions and sales	Advertising
Total	408,364	1,639	² 622	1,018	427,915	2,037	² 868	1,242
Farm	18,850	67	11	55	14,305	54	8	46
General.....	14,872	48	8	40	12,087	43	7	37
Specialized.....	3,978	19	3	16	2,218	11	2	9
Specialized	51,577	380	86	294	32,712	535	123	413
Industrial, engineering, technical.....	11,399	212	30	182	12,113	247	31	216
Merchandising.....	4,686	72	7	66	(S)	127	20	106
Professional, institutional, service.....	35,492	96	49	47	(S)	121	56	65
Not specified.....	(X)	(X)	(X)	(X)	(X)	40	15	25
General	241,741	887	343	544	238,955	1,169	459	711
Comics.....	63,035	22	21	1	27,594	11	11	(Z)
Women and home services.....	70,729	207	74	133	93,401	313	110	204
General entertainment.....	98,378	530	211	319	102,501	659	279	380
General news.....	7,780	101	29	73	13,913	145	40	106
Business news.....	1,819	26	8	18	(S)	28	13	15
Not specified.....	(X)	(X)	(X)	(X)	(X)	12	7	5
Other	96,196	265	² 142	123	141,943	230	² 158	73
Not specified	(X)	40	(NA)	(NA)	(X)	48	(NA)	(NA)

NA Not available. S Does not meet publication standards. X Not applicable.

Z Less than \$500,000. ¹ See footnote 1, table 744.

² Includes small amount from advertising, not available separately.

Source: Dept. of Commerce, Bureau of the Census; 1963 *Census of Manufactures*, Series MC 63(2)-27A.

No. 746. DAILY AND SUNDAY NEWSPAPERS—NUMBER AND CIRCULATION, 1940 TO 1966, AND BY STATES, 1966

Circulation in thousands. As of October 1, except number of newspapers, beginning 1964, as of January 1 of following year. Prior to 1960, excludes Alaska and Hawaii. For English language newspapers only. See also *Historical Statistics, Colonial Times to 1957*, series R 169-172]

YEAR AND STATE	DAILY NEWSPAPERS						SUNDAY NEWSPAPERS	
	Total		Morning		Evening		Number	Net paid circulation
	Number ¹	Net paid circulation	Number	Net paid circulation	Number	Net paid circulation		
1940.....	1,878	41,132	380	16,114	1,498	25,018	525	32,371
1945.....	1,749	48,384	330	19,240	1,419	29,144	485	39,890
1950.....	1,772	53,829	322	21,266	1,450	32,593	549	46,582
1955.....	1,760	56,147	316	22,183	1,454	33,964	541	46,448
1960.....	1,763	58,882	312	24,029	1,459	34,853	563	47,699
1962.....	1,760	59,849	318	24,563	1,451	35,286	558	48,888
1963.....	1,754	58,905	311	23,459	1,453	35,446	550	46,890
1964.....	1,763	60,412	323	24,365	1,452	36,048	561	48,383
1965.....	1,751	60,358	320	24,107	1,444	36,251	562	48,600
1966								
United States ²	1,754	61,397	324	24,806	1,444	36,592	578	49,282
Alabama.....	22	710	7	224	15	486	15	617
Alaska.....	6	65	1	18	5	47	2	24
Arizona.....	15	432	4	198	11	234	5	308
Arkansas.....	² 34	418	5	165	29	254	10	329
California.....	133	5,684	19	2,103	114	3,581	36	4,661
Colorado.....	26	679	4	242	22	437	9	609
Connecticut.....	25	889	6	265	19	623	6	523
Delaware.....	3	148	1	43	2	105	-	-
District of Columbia.....	3	987	1	456	2	532	2	932
Florida.....	49	1,863	16	1,163	33	700	30	1,631
Georgia.....	32	976	7	424	25	552	13	879
Hawaii.....	6	216	2	70	4	145	2	167
Idaho.....	¹ 14	162	5	80	10	82	5	128
Illinois.....	¹ 83	3,915	10	1,930	74	1,985	20	3,044
Indiana.....	85	1,707	9	476	76	1,230	18	1,117
Iowa.....	¹ 43	984	4	312	41	672	9	865
Kansas.....	¹ 51	662	6	242	46	420	14	428
Kentucky.....	¹ 28	751	6	313	24	438	13	551
Louisiana.....	22	754	5	372	17	382	11	647
Maine.....	9	263	5	203	4	59	1	107
Maryland.....	12	756	4	229	8	527	3	688
Massachusetts.....	¹ 47	2,324	6	974	42	1,350	9	1,603
Michigan.....	54	2,410	1	537	53	1,873	11	2,093
Minnesota.....	² 30	1,104	5	405	25	699	7	1,003
Mississippi.....	19	306	4	90	15	215	7	176
Missouri.....	53	1,843	7	779	46	1,064	14	1,554
Montana.....	16	186	4	124	12	63	9	175
Nebraska.....	19	483	3	168	16	315	5	361
Nevada.....	7	133	2	50	5	83	5	117
New Hampshire.....	¹ 9	143	1	28	9	116	1	48
New Jersey.....	31	1,763	7	468	24	1,305	7	1,089
New Mexico.....	19	199	2	64	17	135	13	174
New York.....	¹ 84	7,794	21	4,254	64	3,540	16	7,359
North Carolina.....	47	1,203	9	590	38	618	17	864
North Dakota.....	¹ 10	179	3	42	8	137	2	93
Ohio.....	² 96	3,450	8	895	88	2,555	17	2,192
Oklahoma.....	53	866	9	422	44	444	42	728
Oregon.....	21	659	3	286	18	373	5	518
Pennsylvania.....	¹ 113	4,061	27	1,300	89	2,761	12	3,169
Rhode Island.....	7	316	1	67	6	249	2	214
South Carolina.....	17	545	8	385	9	159	7	425
South Dakota.....	11	170	1	3	10	167	4	119
Tennessee.....	² 31	1,116	7	510	24	606	14	895
Texas.....	² 112	3,067	22	1,369	90	1,698	82	2,916
Utah.....	5	263	1	110	4	153	4	254
Vermont.....	9	103	2	59	7	44	1	13
Virginia.....	² 32	998	10	460	22	538	12	670
Washington.....	24	993	5	316	19	676	11	900
West Virginia.....	30	493	9	238	21	255	9	336
Wisconsin.....	37	1,187	3	254	34	933	7	853
Wyoming.....	10	70	6	39	4	31	2	25

- Represents zero. ¹ Beginning 1955, adjusted to account for all-day papers listed in morning and evening figures (circulations divided between them).

² Adjusted to allow for duplication of Texarkana, Ark.-Tex., Bristol, Tenn.-Va., and Fargo, N.Dak.-Moorehead, Minn., papers in individual State tabulations (circulations divided between States); for Covington, Ky., papers also included in Ohio.

Source: Editor & Publisher Company, New York, N.Y.; *Editor & Publisher Year Book—1967*. (Copyright.)

NO. 747. BOOKS AND PAMPHLETS—QUANTITY SOLD AND VALUE OF RECEIPTS:
1954, 1958, AND 1963

[1954, excludes Alaska and Hawaii. Includes number of copies sold and dollar receipts reported by establishments classified in the "Books, publishing and printing" industry and by establishments reporting these receipts as "secondary" activities in other industries]

TYPE OF PUBLICATION	1954		1958		1963	
	Copies sold (1,000)	Receipts (\$1,000)	Copies sold (1,000)	Receipts (\$1,000)	Copies sold (1,000)	Receipts (\$1,000)
Total	(X)	665,419	(X)	1,010,713	(X)	1,547,788
All books	(X)	628,551	(X)	959,429	(X)	1,484,325
Textbooks	(X)	180,279	(X)	281,572	(X)	471,100
Elementary, grades 1-8:						
Hardbound.....	40,541	57,365	47,549	76,632	54,911	112,689
Paperbound.....	23,037	10,242	26,778	11,603	38,464	21,668
High school, grades 9-12:						
Hardbound.....	15,627	31,927	23,057	58,191	32,891	97,811
Paperbound.....	2,587	2,118	2,533	2,024	9,359	8,849
College, grades 13 and over: ³						
Hardbound.....	14,538	50,241	19,554	81,377	24,175	131,725
Paperbound.....	1,286	1,484	3,095	2,767	9,291	14,867
Workbooks, paperbound.....	459,373	426,902	76,572	40,300	106,315	61,050
Standardized tests, paperbound ⁴	(⁵)	(⁵)	97,049	8,678	137,316	19,328
Subscription reference books, hardbound ⁷	25,860	89,825	44,870	163,569	35,727	207,338
Technical, scientific, and professional books	(X)	63,635	(X)	116,021	(X)	215,342
Law, designed for the profession.....			3,702	36,400	6,498	57,384
Medical, designed for the profession ⁸	19,217	63,635	2,423	21,400	4,096	24,148
Business, nonfiction, for adults.....			2,080	9,400	1,242	5,592
Other.....			15,596	48,821	29,555	63,015
Religious books	(X)	22,173	(X)	58,643	(X)	81,120
Hardbound and paperbound:						
Bibles, complete editions.....	11,359	19,125	8,903	18,318	8,482	23,271
Testaments.....			10,181	4,746	6,820	3,150
Hymnals and devotionals ⁹	(NA)	3,048	5,103	8,064	4,658	8,201
Other, fiction or nonfiction: ¹⁰						
Hardbound.....	(NA)	(NA)	9,815	15,999	16,916	31,296
Paperbound.....	(NA)	(¹¹)	36,776	11,516	22,521	12,599
General books, trade, etc.	(X)	220,001	(X)	274,739	(X)	458,152
Book club books, hardbound and paperbound.....	(¹²)	(¹²)	65,180	95,684	75,749	143,418
Wholesale paperbound books, digest size ¹³	(¹⁴)	(¹⁴)	232,585	47,680	241,449	60,543
Adult trade books, fiction or nonfiction: ¹⁵						
Hardbound.....	¹² 86,314	¹² 133,117	32,298	64,660	40,213	108,515
Paperbound.....	¹⁴ 188,239	¹⁴ 36,049	5,661	5,374	48,874	34,485
Juvenile, fiction and nonfiction: ¹⁵						
\$1.00 and over retail.....	220,114	50,835	34,321	40,218	55,056	72,678
Under \$1.00 retail.....			137,750	21,114	120,520	31,257
Other books:						
Hardbound.....	5,453	15,459	(S)	52,148	(S)	84,402
Paperbound.....	38,366	¹¹ 23,316	25,925	12,737	41,358	25,871
Pamphlets	(X)	25,094	(X)	31,118	(X)	37,964
Religious.....	267,088	25,094	(S)	11,668	(S)	5,040
Other.....			(S)	19,450	(S)	32,924
Books and pamphlets, not specified by kind	(X)	11,774	(X)	20,166	(X)	25,499

NA Not available. S Does not meet publication standards. X Not applicable.

¹ Detail will not add to total owing to differences in the reporting of individual establishments.

² Includes receipts not specified by kind, as follows (in thousands of dollars): Textbooks, 3,113; technical, scientific and professional, 6,203; religious, 2,803; general, 7,256.

³ Includes private business and secretarial school, post high vocational schools, and institutes and training courses of college grade.

⁴ Includes 4,621,000 hardbound books; receipts, \$2,805,000.

⁵ Objective tests, manuals, etc.; includes answer sheets.

⁶ "Standardized tests" included in "Pamphlets."

⁷ Represents books sold direct to the consumer through agents or distributors, usually on installment plan of payment. Includes multivolume encyclopedias, children's literature, biblical sets, etc. Copies sold represent number of volumes rather than sets. 1954 data not strictly comparable with later years due to difference in coverage. ⁸ Includes nursing and dental subjects. ⁹ Includes missals and, beginning 1958, prayer books.

¹⁰ For adults and juveniles. ¹¹ "Other religious books, paperbound" included in "Other books, paperbound."

¹² "Book club books" included in "Adult trade books, hardbound."

¹³ Digest size 4 1/4" x 6 1/2"; distributed 75 percent or more through magazine wholesalers.

¹⁴ "Wholesale paperbound books" included in "Adult trade books, paperbound."

¹⁵ Sold primarily through booksellers or book dealers (retail and wholesale) at trade discounts. Juvenile books represent hardbound and paperbound books, excluding toy books.

Source: Dept. of Commerce, Bureau of the Census; U.S. Census of Manufactures: 1954, Series MC-27A and 1963, Series MC63(2)-27A.

No. 748. NEW BOOKS AND NEW EDITIONS PUBLISHED, BY SUBJECT: 1950 TO 1966

[Comprises new books (those published for the first time) and new editions (those published with changes in text or format). Excludes State and Federal publications; subscription books, except encyclopedias; dissertations; second, third, or fourth printings or impressions; periodicals and quarterlies; and pamphlets of under 49 pages. Beginning 1965, data not strictly comparable with earlier years because of internal shifts in classifications. See also *Historical Statistics, Colonial Times to 1957*, series R 165-167]

SUBJECT	1950	1955	1960	1965			1966		
				Total	New books	New editions	Total	New books	New editions
Total	11,022	12,589	15,012	28,595	20,234	8,361	30,050	21,819	8,231
Agriculture.....	152	168	156	270	214	56	287	212	75
Art.....	357	347	470	971	763	208	1,013	779	234
Biography.....	603	833	879	685	455	230	1,103	819	284
Business.....	250	312	305	537	437	100	586	478	108
Education.....	256	274	348	954	789	165	1,040	886	154
Fiction.....	1,907	2,073	2,440	3,241	1,615	1,626	3,018	1,699	1,319
General works ¹	345	387	282	634	384	250	644	410	234
History.....	516	665	865	1,682	909	773	1,619	969	660
Home economics.....	193	255	197	300	241	59	274	219	55
Juvenile.....	1,059	1,485	1,725	2,895	2,473	422	2,713	2,375	338
Language.....	148	168	228	527	385	142	795	459	336
Law.....	298	305	394	436	291	145	421	316	105
Literature.....	591	660	736	1,688	1,166	520	1,812	1,185	627
Medicine.....	443	534	520	1,218	871	347	1,446	1,007	439
Music.....	113	103	98	300	183	117	291	207	84
Philosophy, psychology.....	340	314	480	979	582	397	892	629	263
Poetry, drama.....	531	493	492	994	775	219	1,024	728	296
Religion.....	727	849	1,104	1,855	1,428	427	1,809	1,477	332
Science.....	705	801	1,089	2,562	1,850	712	2,958	2,079	879
Sociology, economics.....	515	520	754	3,242	2,372	870	3,482	2,632	850
Sports, recreation.....	188	200	286	591	474	117	526	441	85
Technology.....	497	477	698	1,153	942	211	1,333	1,091	242
Travel.....	288	366	466	883	635	248	964	732	232

¹ Classified as miscellaneous through 1960.

Source: R. R. Bowker Co., New York, N.Y.; *Publishers' Weekly*.

No. 749. BOOKS AND PERIODICALS—AVERAGE RETAIL PRICES, BY SUBJECT: 1956, 1960, AND 1966

SUBJECT	AVERAGE PRICES OF BOOKS ¹			SUBJECT	AVERAGE PRICES OF PERIODICALS ²		
	1956	1960	1966		1956	1960	1966
Total	\$4.61	\$5.24	\$7.94	Total	\$4.56	\$5.32	\$7.44
Agriculture.....	5.09	(NA)	8.37	Agriculture.....	2.52	2.84	4.11
Art.....	9.97	12.61	14.73	Business and economics.....	4.64	5.34	6.89
Biography.....	4.74	4.98	7.57	Chemistry and physics.....	9.39	11.30	19.73
Business.....	6.30	6.83	9.47	Children's periodicals.....	1.85	2.06	2.71
Children's books.....	2.50	2.74	3.46	Education.....	3.74	4.19	5.58
Economics.....	5.97	6.19	9.08	Engineering.....	4.94	5.86	8.19
Education.....	4.47	4.97	5.61	Fine and applied arts.....	4.07	4.94	6.25
History.....	5.88	5.91	8.56	History.....	4.00	4.60	5.53
Law.....	7.17	8.01	10.95	Home economics.....	3.80	4.43	5.67
Literature, general.....	3.24	3.59	6.67	Industrial arts.....	4.03	4.60	6.60
Literature, fiction.....	3.28	3.59	4.52	Journalism, communications.....	3.77	4.08	5.41
Literature, poetry.....	2.95	3.31	4.74	Labor and industrial relations.....	1.98	2.26	2.75
Literature, drama.....	3.60	4.48	6.67	Law.....	4.93	5.81	7.68
Medicine.....	7.73	8.41	12.37	Library science.....	3.22	3.71	5.51
Music.....	4.56	5.56	8.15	Literature and languages.....	3.50	4.05	4.78
Religion.....	3.74	4.05	5.38	Mathematics, botany, geology, and general science.....	5.82	7.27	12.29
Science.....	8.46	10.21	11.72	Medicine.....	9.09	10.28	15.53
Sports.....	4.57	4.80	6.28	Philosophy and religion.....	3.58	4.05	4.76
Technology.....	7.52	8.89	12.51	Physical education and recreation.....	3.02	3.47	4.32
				Political science.....	4.05	4.77	5.84
				Psychology.....	8.27	9.57	12.67
				Sociology and anthropology.....	3.72	4.52	5.48
				Zoology.....	7.01	8.90	10.96
				General interest periodicals.....	4.63	5.19	6.43

NA Not available. ¹ Excludes paperback books, government documents, and encyclopedias. Refers to books published in year stated. ² Average annual subscription prices.

Source: 1956 and 1960, Dept. of Health, Education, and Welfare, Office of Education; *The Cost of Library Materials: Price Trends of Publications*, Circular OE-15029A. 1966, average prices of books, R. R. Bowker Co., New York, N.Y., *Publishers' Weekly*, February 13, 1967; and 1966, average prices of periodicals, American Library Association, *Library Journal*, July 1966.

No. 750. BOOKS—IMPORTS AND TRANSLATIONS INTO ENGLISH: 1965 AND 1966

[Imports cover all books printed abroad and distributed in U.S. on exclusive basis. See also headnote, table 748]

SUBJECT	IMPORTS						LANGUAGE	TRANSLATIONS	
	1965			1966				1965	1966
	Total	New books	New editions	Total	New books	New editions			
Total.....	4,670	4,042	623	6,347	5,468	879	Total.....	1,749	1,667
Agriculture.....	80	74	6	116	103	13	French.....	404	378
Art.....	327	300	27	376	342	34	German.....	335	309
Biography.....	145	116	29	257	225	32	Italian.....	58	39
Business.....	42	39	3	61	55	6	Oriental.....	59	35
Education.....	60	56	4	130	121	9	Russian.....	256	202
Fiction.....	103	58	45	143	121	22	Scandinavian.....	51	62
General works.....	78	69	9	106	92	14	Spanish.....	53	33
History.....	299	243	56	380	306	74	Other.....	533	609
Home economics.....	50	45	5	52	49	3			
Juvenile.....	176	162	14	290	271	19			
Language.....	104	84	20	179	149	30			
Law.....	62	53	9	80	68	12			
Literature.....	284	231	53	334	277	57			
Medicine.....	313	274	39	457	360	97			
Music.....	48	38	10	84	72	12			
Philosophy.....	97	85	12	170	151	19			
Poetry, drama.....	188	162	26	188	149	39			
Religion.....	233	205	28	277	232	45			
Science.....	669	610	59	909	791	118			
Sociology, economics.....	598	517	81	848	711	137			
Sports, recreation.....	115	107	8	114	109	5			
Technical books.....	317	286	31	428	398	30			
Travel.....	282	228	54	368	316	52			

Source: R. R. Bowker Co., New York, N.Y.; *Publishers' Weekly*, January 30, 1967.

No. 751. REGISTRATION OF COPYRIGHTS, BY SUBJECT MATTER: 1950 TO 1966

[For years ending June 30. Comprises copyrights issued to citizens of the United States and residents of foreign countries. For information on patents, see table 794. See also *Historical Statistics, Colonial Times to 1957*, series W 52-65]

SUBJECT MATTER OF COPYRIGHT	1950	1955	1960	1964	1965	1966
Total.....	210,564	224,732	243,926	278,987	293,617	286,866
Books (incl. pamphlets, leaflets, etc.).....	50,456	54,414	60,034	71,757	76,586	77,300
Periodicals (issues).....	55,436	59,448	64,204	74,472	77,819	77,963
Contributions to newspapers and periodicals.....	4,438	3,746	3,306	2,529	2,095	1,717
Lectures, sermons, addresses.....	1,007	813	835	1,112	848	911
Dramatic or dramatico-musical compositions.....	4,427	3,493	2,445	3,039	3,343	3,215
Musical compositions.....	52,309	57,527	65,558	75,256	80,881	76,805
Maps.....	1,638	2,013	1,812	1,955	3,262	1,933
Works of art, models, or designs.....	4,013	3,456	5,271	5,915	5,735	5,164
Reproductions of works of art.....	326	900	2,516	4,045	3,241	2,595
Drawings or plastic works of a scientific or technical character.....	1,316	1,350	768	893	1,239	867
Photographs.....	1,143	1,105	842	965	860	677
Prints and pictorial illustrations.....	4,309	3,793	3,343	3,325	2,927	3,081
Commercial prints and labels.....	13,320	10,505	8,142	7,013	7,509	6,285
Motion picture photoplays.....	782	1,216	2,755	3,018	2,536	1,983
Motion pictures not photoplays.....	1,113	1,434	702	1,089	1,216	906
Renewals of all classes.....	14,531	19,519	21,393	22,574	23,520	25,464

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

Section 19

Power

This section presents statistics on the supply, production, and distribution of power and energy. The principal sources of these data are the Federal Power Commission and the American Gas Association.

The Federal Power Commission publishes various statistical reports containing information on the electric power and natural gas industries. At periodic intervals it issues publications containing information on the production of electricity, capacity of generating plants (industrial plants as well as utilities), fuels used in production, financial data, sales of electric energy, construction costs and production expenses of steam electric and hydroelectric plants, financial and operating statistics on both the electric and interstate gas pipeline utilities, hydroelectric power resources of the United States, sales by producers of natural gas to interstate gas pipeline companies, and depreciation practices of electric and interstate gas pipeline utilities.

The Commission also issues periodic reports on electric utility rates, including the national electric rate book, typical electric bills, and annual bills for all-electric homes. Maps showing principal natural gas pipelines and principal electric facilities in the United States are published from time to time. Other publications relate to the statutes and regulations administered by the Commission.

The American Gas Association, in its monthly and quarterly bulletins and its year-book, *Gas Facts*, presents data on gas utilities, including sales, revenues, customers, prices, and other financial and operating statistics. Other important sources include the Bureau of Mines' *Minerals Yearbook*, containing data on coal, oil, and natural gas production and utilization; and the Edison Electric Institute's monthly and annual *Statistical Bulletin*, containing data on the distribution of electric energy by public utilities.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

No. 752. TOTAL HORSEPOWER OF ALL PRIME MOVERS: 1940 to 1966

[In thousands. As of January, except as noted. Prior to 1960, excludes Alaska and Hawaii, except as noted. Prime movers are mechanical engines and turbines, and work animals, which originally convert fuels or force (as wind or falling water) into work and power. Electric motors, which are secondary movers and obtain their power from prime movers, are excluded to avoid duplication. See also *Historical Statistics, Colonial Times to 1957*, series S 1-14]

ITEM	1940	1950	1955	1960	1965	1966 (prel.)
Total horsepower	2, 773, 316	4, 867, 538	7, 158, 229	11, 007, 889	15, 096, 332	15, 959, 175
Work animals.....	12, 510	7, 040	4, 141	2, 790	2, 000	1, 800
Inanimate.....	2, 760, 806	4, 860, 498	7, 154, 088	11, 005, 099	15, 094, 332	15, 957, 375
Automotive ^{1 2}	2, 511, 312	4, 403, 617	6, 632, 121	10, 366, 830	14, 306, 300	15, 101, 836
Nonautomotive.....	249, 494	456, 881	521, 967	638, 219	788, 032	855, 539
Factories.....	21, 768	32, 921	35, 579	42, 000	48, 400	49, 700
Mines.....	7, 332	22, 000	30, 768	34, 700	40, 300	41, 200
Railroads ³	92, 361	110, 969	60, 304	46, 856	43, 638	47, 098
Merchant ships, powered.....	4 9, 408	4 23, 423	4 24, 155	23, 890	24, 015	22, 622
Sailing vessels.....	4 26	4 11	4 5	2	2	2
Farms ⁴	57, 472	157, 533	207, 742	237, 020	269, 822	274, 227
Windmills.....	130	59	59	44	30	27
Electric central stations ²	53, 542	87, 965	137, 576	217, 173	307, 025	323, 800
Aircraft ^{5 6}	4 7, 455	4 22, 000	4 25, 779	36, 534	54, 600	96, 864

¹ Includes passenger cars, trucks, buses, and motorcycles. ² As of July 1.

³ Beginning 1965, not strictly comparable with earlier years. ⁴ Includes Alaska and Hawaii.

⁵ Excludes horses and other work animals, which are included with "Work animals."

⁶ Includes private planes and commercial airliners.

Source: The Twentieth Century Fund, J. F. Dewhurst and Associates, *America's Needs and Resources, A New Survey*; and John A. Waring, *Transactions of Canadian Sectional Meeting, World Power Conference, 1958*, and unpublished estimates.

No. 753. MINERAL ENERGY RESOURCES AND ELECTRICITY—PRODUCTION AND CONSUMPTION: 1930 TO 1966

[In trillions of British thermal units, except percent. Prior to 1960, excludes Alaska and Hawaii, except data for bituminous coal include Alaska for all years. Unit heat values used 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, total production multiplied by 1,075 B.t.u. minus repressuring vent and waste gas multiplied by 1,035 through 1964, and by 1,032 thereafter. For electricity series, hydropower and nuclear power converted to coal input equivalent at prevailing average pounds of coal per kilowatt hour each year at central electric plants, using 12,000 B.t.u. per pound. See also *Historical Statistics, Colonial Times to 1957*, series M 71-87]

YEAR	Total	COAL					PERCENT				
		Anthra- cite	Bitu- minous and lignite	Crude petro- leum ¹	Natural gas ²	Elec- tricity	Coal		Crude petro- leum ¹	Natural gas ²	Elec- tricity
							Anthra- cite	Bitu- minous and lignite			
PRODUCTION											
1930.....	22, 119	1, 762	12, 249	5, 208	2, 148	(NA)	8. 0	55. 4	23. 5	9. 7	(NA)
1940.....	25, 088	1, 308	12, 072	7, 849	2, 979	(NA)	5. 2	48. 1	31. 3	11. 9	(NA)
1950.....	34, 510	1, 120	13, 527	11, 449	6, 841	(NA)	3. 2	39. 2	33. 2	19. 8	(NA)
1955.....	38, 900	665	12, 174	14, 410	10, 204	(NA)	1. 7	31. 3	37. 1	26. 2	(NA)
1960.....	41, 704	478	10, 886	14, 935	13, 822	1, 583	1. 1	26. 1	35. 8	33. 2	3. 8
1962.....	43, 785	429	11, 034	15, 522	15, 004	1, 797	1. 0	25. 2	35. 4	34. 3	4. 1
1963.....	46, 169	464	12, 024	15, 966	15, 941	1, 774	1. 0	26. 0	34. 6	34. 5	3. 9
1964.....	48, 038	436	12, 759	16, 164	16, 792	1, 887	0. 9	26. 6	33. 6	34. 9	4. 0
1965.....	50, 011	378	13, 417	16, 521	17, 628	2, 067	0. 8	26. 8	33. 0	35. 2	4. 2
1966 (prel.).....	52, 401	329	13, 938	17, 626	18, 412	2, 096	0. 6	26. 6	33. 6	35. 2	4. 0
CONSUMPTION											
1930.....	22, 288	1, 718	11, 921	5, 652	2, 212	(NA)	7. 7	53. 5	25. 4	9. 9	(NA)
1940.....	23, 908	1, 245	11, 290	7, 487	2, 969	(NA)	5. 2	47. 2	31. 4	12. 4	(NA)
1950.....	34, 153	1, 013	11, 900	12, 706	6, 933	(NA)	3. 0	34. 8	37. 2	20. 3	(NA)
1955.....	39, 956	599	11, 104	16, 328	10, 428	(NA)	1. 5	27. 8	40. 8	26. 1	(NA)
1960.....	44, 816	447	9, 967	18, 608	14, 163	1, 631	1. 0	22. 2	41. 6	31. 6	3. 6
1962.....	47, 620	363	10, 160	19, 662	15, 632	1, 803	0. 8	21. 3	41. 2	32. 9	3. 8
1963.....	49, 598	361	10, 722	20, 231	16, 511	1, 773	0. 7	21. 7	40. 8	33. 2	3. 6
1964.....	51, 676	365	11, 295	20, 707	17, 417	1, 892	0. 7	21. 8	40. 3	33. 5	3. 7
1965.....	53, 962	323	12, 030	21, 566	17, 950	2, 088	0. 6	22. 3	40. 0	33. 2	3. 9
1966 (prel.).....	56, 542	290	12, 746	22, 651	18, 737	2, 118	0. 6	22. 5	40. 1	33. 1	3. 8

NA. Not available.

¹ Includes commingled condensate. Beginning 1950, consumption includes petroleum products (net imports).

² Marketed production; includes amount stored and lost in transmission. Consumption includes dry and liquid gas. Beginning 1965, on pressure base of 14.73 pounds per square inch absolute; formerly, on base of 14.65.

Source: Dept. of the Interior, Bureau of Mines; *Minerals Yearbook*. Current data in *Mineral Industry Surveys*.

No. 754. CONSUMPTION OF MINERAL RESOURCES FOR ENERGY AND SELECTED ECONOMIC INDICATORS: 1965 AND 1980 PROJECTION

ITEM AND UNIT	1965	1980	Annual growth rate 1965 to 1980 (percent)
CONSUMPTION			
Total energy..... trillions of British thermal units..	53, 791	88, 073	3. 3
Coal..... million tons..	472	747	3. 1
Natural gas..... billion cubic feet..	15, 590	24, 594	3. 1
Petroleum, including natural gas liquids..... million barrels..	4, 202	6, 665	3. 1
Utility electricity ¹ billion kilowatt-hours..	1, 057	2, 700	6. 5
ECONOMIC INDICATORS			
Gross national product..... billions of 1958 dollars..	609	1, 071	3. 9
Industrial production index..... 1957-59=100..	143	250	3. 8
Labor force, monthly average..... 1,000..	78, 400	101, 408	1. 7
Population, July 1..... 1,000..	194, 600	245, 313	1. 6

¹ Includes generation from fossil fuels, hydropower, and nuclear fuel.

Source: Dept. of Interior, Bureau of Mines; *Minerals Yearbook*, 1965, Vol. II.

No. 755. UTILITY ELECTRIC ENERGY USE, 1960 TO 1965, AND PROJECTED REQUIREMENTS, 1970 TO 1980

[Excludes generation by industrial facilities and railways having generating facilities of their own]

YEAR	ENERGY USE			PEAK LOAD		
	Billion kw.-hr.	Percent increase		Million kw.	Percent increase	
		From 1960	For each interval		From 1960	For each interval
1960.....	763.5	(X)	(X)	138.4	(X)	(X)
1962.....	860.6	12.7	7.6	157.6	13.9	8.7
1963.....	921.0	20.6	7.0	167.7	21.2	6.4
1964.....	989.1	29.5	7.4	179.2	29.5	6.9
1965.....	1,059.5	38.8	7.1	189.7	37.1	5.9
1970.....	1,483.8	94.3	40.0	270.6	95.5	42.6
1975.....	2,023.9	165.1	36.4	370.4	167.6	36.9
1980.....	2,692.6	252.7	33.0	494.2	257.1	33.4

X Not applicable.

Source: Federal Power Commission; *National Power Survey, 1964*, and unpublished data.

No. 756. ELECTRIC ENERGY PRODUCTION AND INSTALLED GENERATING CAPACITY, BY CLASS OF OWNERSHIP AND TYPE OF PRIME MOVER: 1940 TO 1966

Production for calendar years; other data as of December 31. Prior to 1964, excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series S 15-35 and S 44-69]

ITEM	1940	1945	1950	1955	1960	1964	1965	1966 (prel.)
Production (bil. kw.-hr.)	180	271	389	629	842	1,084	1,158	1,248
Industrial plants ¹	38	49	60	82	88	100	102	104
Electric utilities (for public use).....	142	222	329	547	753	984	1,055	1,144
By class of ownership:								
Privately owned ²	125	181	267	421	579	756	809	881
Percent of utility production.....	88.4	81.3	81.1	76.9	76.8	76.8	76.7	77.0
Publicly owned ²	16	42	62	126	175	228	246	263
Municipal.....	6	10	15	26	37	50	50	53
Federal.....	9	28	40	89	112	130	145	153
Cooperatives, power districts, State projects.....	1	3	6	11	26	48	51	57
By source of energy (percent):								
Coal ³	54.6	51.7	47.1	55.1	53.6	53.8	54.5	54.1
Oil.....	4.4	3.5	10.3	6.8	6.1	5.8	6.1	6.9
Gas.....	7.7	8.9	13.5	17.4	21.0	22.4	21.0	22.0
Hydro.....	33.4	35.9	29.2	20.7	19.3	18.0	18.4	17.0
Installed capacity (mil. kw.)	51	63	83	131	186	240	255	266
Industrial plants ¹	11	13	14	16	18	18	18	19
Electric utilities (for public use).....	40	50	69	114	168	222	236	247
By class of ownership:								
Privately owned.....	34	40	55	87	128	168	178	186
Percent of utility capacity.....	86.2	80.4	80.1	75.9	76.5	75.4	75.2	75.0
Publicly owned ²	6	10	14	28	40	55	59	62
Municipal.....	3	4	5	8	11	15	15	17
Federal.....	2	5	7	17	22	28	32	33
Cooperatives, power districts, State projects.....	(Z)	1	2	3	6	11	11	13
TYPE OF PRIME MOVER								
Electric utilities (for public use):								
Number of plants, total ⁴	3,018	3,886	3,867	3,587	3,435	3,377	3,290	3,294
Hydro.....	1,474	1,505	1,458	1,381	1,321	1,274	1,231	1,219
Steam.....	1,153	1,057	1,051	1,045	1,060	1,072	1,068	1,085
Internal combustion.....	1,291	1,324	1,358	1,161	1,044	1,031	991	990
Production (bil. kw.-hr.).....	142	222	329	547	753	984	1,055	1,144
Hydro.....	47	80	96	113	146	177	194	194
Steam.....	93	140	230	430	603	802	856	949
Internal combustion.....	2	2	4	4	4	5	5	5
Installed capacity (mil. kw.).....	40	50	69	114	168	222	236	247
Hydro.....	11	15	18	25	32	42	44	45
Steam.....	28	34	49	87	133	177	189	199
Internal combustion.....	1	1	2	2	3	3	3	3
Production per kilowatt of installed capacity, utilities only (kw.-hr.) ⁵	3,552	4,440	4,776	4,779	4,484	4,427	4,469	4,627

Z Less than 500,000. ¹ Comprises powerplants of 100 kilowatts and over, including stationary electric powerplants of railroads.

² Noncentral stations included only in total prior to 1955; distributed to other publicly owned classes thereafter.

³ Includes small percentage from wood and waste and also, in past few years, from nuclear fuel.

⁴ Each prime mover type in combination plants counted separately. ⁵ Capacity in service at end of year.

Source: Federal Power Commission; annual summaries, industrial electric power summaries, related monthly reports, and unpublished data.

No. 757. ELECTRIC UTILITIES—SUPPLY SYSTEMS, UTILITIES, AND GENERATING PLANTS, BY CLASS OF OWNERSHIP: 1945 TO 1965

[As of December 31. Prior to 1964, excludes Alaska and Hawaii. 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 producing primarily for industrial use are excluded]

ITEM	Total, all classes	Privately owned	Cooper- atively owned	PUBLICLY OWNED			
				Total	Municipal	Federal	Other ¹
1945: Total electric supply systems.....	4,051	1,060	800	2,191	2,092	74	25
Utilities with generating plants.....	1,594	492	83	1,019	990	18	11
Number of generating plants.....	3,886	2,400	142	1,844	1,157	86	101
1950: Total electric supply systems.....	4,007	821	963	2,223	2,077	55	91
Utilities with generating plants.....	1,495	393	92	1,010	955	13	42
Number of generating plants.....	3,867	2,334	166	1,367	1,136	83	148
1955: Total electric supply systems.....	3,648	581	950	2,117	1,968	57	92
Utilities with generating plants.....	1,315	315	78	922	865	9	48
Number of generating plants.....	3,587	2,103	146	1,938	1,068	129	141
1960: Total electric supply systems.....	3,637	496	965	2,176	2,026	43	107
Utilities with generating plants.....	1,193	270	68	860	802	6	52
Number of generating plants.....	3,435	2,000	132	1,903	1,017	142	144
1964: Utilities with generating plants.....	1,192	259	76	857	799	8	50
Number of generating plants.....	3,377	1,881	165	1,331	1,040	157	134
1965: Total electric supply systems.....	3,614	472	986	2,156	2,114	42	(²)
Utilities with generating plants.....	1,139	243	75	821	764	8	49
Number of generating plants.....	3,290	1,827	165	1,298	1,006	160	132

¹ Public utility districts and State projects.

² Municipal includes "Other publicly owned."

Source: Federal Power Commission; annual summaries.

No. 758. ELECTRIC ENERGY—SALES, BY GEOGRAPHIC DIVISION AND CLASS OF SERVICE: 1950 TO 1965

[In millions of kilowatt-hours. Prior to 1963, excludes Alaska and Hawaii. For States comprising each division, see table 759]

DIVISION AND CLASS	1950	1960	1964	1965	DIVISION AND CLASS	1950	1960	1964	1965
United States.....	290,897	686,493	896,059	959,493	South Atlantic.....	36,218	90,959	126,851	139,367
Residential.....	72,200	200,798	271,842	292,097	Residential.....	9,092	30,305	43,135	47,183
Commercial.....	52,091	132,892	186,884	200,738	Commercial.....	6,954	18,731	27,483	30,696
Industrial.....	144,479	321,332	405,049	432,316	Industrial.....	18,706	39,046	52,072	56,898
Other.....	22,127	31,472	32,284	34,342	Other.....	1,466	2,868	4,161	4,590
New England.....	14,083	26,921	34,406	37,289	East South Central.....	23,393	88,018	100,967	104,011
Residential.....	3,938	9,597	12,292	13,211	Residential.....	5,234	17,662	24,078	25,752
Commercial.....	2,620	5,641	7,623	8,317	Commercial.....	2,238	6,307	8,633	9,353
Industrial.....	7,085	10,861	13,383	14,603	Industrial.....	14,582	62,302	65,951	66,408
Other.....	439	822	1,108	1,168	Other.....	1,338	1,747	2,305	2,498
Middle Atlantic.....	59,430	103,228	135,122	145,209	West South Central.....	19,412	58,086	84,225	92,851
Residential.....	12,302	28,669	36,457	39,244	Residential.....	4,472	18,041	27,793	30,329
Commercial.....	11,826	24,290	31,480	33,743	Commercial.....	4,310	12,885	18,862	20,637
Industrial.....	30,008	43,142	59,018	63,695	Industrial.....	9,379	24,651	34,030	38,037
Other.....	5,293	7,127	8,167	8,527	Other.....	1,250	2,508	3,540	3,848
East North Central.....	65,298	149,402	186,042	197,258	Mountain.....	10,694	30,865	41,858	44,664
Residential.....	16,292	41,152	51,954	55,601	Residential.....	2,920	8,408	11,910	12,417
Commercial.....	9,789	25,049	33,590	36,140	Commercial.....	1,916	5,649	9,754	10,465
Industrial.....	34,880	77,163	93,605	98,127	Industrial.....	4,363	13,187	17,505	19,106
Other.....	4,337	6,038	6,893	7,390	Other.....	1,495	3,622	2,689	2,676
West North Central.....	18,793	42,210	56,363	60,067	Pacific.....	43,576	96,814	130,225	138,777
Residential.....	6,770	17,971	23,740	25,214	Residential.....	11,180	23,992	40,483	43,146
Commercial.....	3,943	9,097	12,485	13,380	Commercial.....	8,493	25,243	36,974	38,007
Industrial.....	6,948	13,861	18,587	19,872	Industrial.....	18,527	37,119	50,898	55,570
Other.....	1,132	1,280	1,551	1,601	Other.....	5,377	5,459	1,870	2,054

Source: Federal Power Commission; *Annual Report, 1966*.

Electric Utilities

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No. 759. ELECTRIC UTILITIES—INSTALLED GENERATING CAPACITY AND ELECTRIC ENERGY PRODUCTION, BY STATES: 1950 TO 1965

(Installed capacity as of December 31; production for calendar years)

STATE	INSTALLED CAPACITY (1,000 kw.)				ENERGY PRODUCTION (mil. kw.-hr.)			
	1950	1955	1960	1965	1950	1955	1960	1965
United States¹	68,919	114,472	168,568	236,127	329,141	547,038	755,375	1,055,252
New England	4,052	5,271	7,045	8,905	16,211	22,610	28,808	39,965
Maine.....	415	623	743	874	1,680	2,405	2,966	3,789
New Hampshire.....	398	474	762	761	1,329	1,718	2,188	2,602
Vermont.....	204	261	261	304	735	981	842	753
Massachusetts.....	1,653	2,167	2,971	4,145	6,588	9,461	13,309	19,925
Rhode Island.....	359	401	427	427	1,656	1,955	1,699	1,318
Connecticut.....	1,022	1,345	1,880	2,394	4,223	6,091	7,804	11,598
Middle Atlantic	13,225	18,218	25,536	34,113	63,372	86,140	112,749	156,629
New York.....	6,257	8,499	11,821	16,942	29,452	39,533	51,897	73,168
New Jersey.....	2,053	2,914	4,538	6,417	9,921	12,306	17,730	27,195
Pennsylvania.....	4,916	6,835	9,178	10,754	24,000	34,301	43,122	56,267
East North Central	16,083	25,976	36,780	45,429	75,349	125,853	165,101	216,251
Ohio.....	4,430	7,459	10,612	12,050	21,967	35,955	49,489	57,256
Indiana.....	2,142	4,351	6,506	8,161	10,374	21,193	30,966	42,663
Illinois.....	4,006	6,955	9,354	12,479	20,686	35,997	43,085	55,917
Michigan.....	3,222	4,590	6,758	8,278	15,316	22,365	27,672	41,777
Wisconsin.....	1,783	2,622	3,490	4,261	7,006	10,343	13,888	18,598
West North Central	5,024	7,930	11,538	16,601	19,237	30,463	43,734	62,999
Minnesota.....	1,151	1,764	2,434	3,096	4,549	6,642	9,613	13,041
Iowa.....	1,173	1,554	2,011	2,600	4,428	6,212	7,927	9,883
Missouri.....	958	1,743	2,687	4,177	3,718	6,952	10,552	16,179
North Dakota.....	187	204	666	740	660	963	1,780	3,249
South Dakota.....	169	491	545	1,474	536	1,399	1,700	4,335
Nebraska.....	572	762	1,224	1,590	2,011	2,816	4,351	5,403
Kansas.....	814	1,353	1,960	2,925	3,335	5,478	7,810	10,908
South Atlantic	8,887	15,131	22,696	34,879	43,604	71,220	103,636	153,942
Delaware.....	28	224	425	602	20	1,366	2,262	3,253
Maryland.....	1,099	1,373	2,077	3,676	5,040	5,845	9,240	17,272
District of Columbia.....	508	533	533	537	1,669	1,627	976	564
Virginia.....	1,204	1,931	3,570	5,115	6,233	9,390	18,285	23,371
West Virginia.....	1,256	2,177	3,217	3,608	7,821	14,239	14,013	19,225
North Carolina.....	1,760	3,505	4,397	6,345	9,829	15,592	10,238	12,643
South Carolina.....	847	1,652	2,240	2,696	2,910	5,870	10,238	16,158
Georgia.....	1,156	1,675	2,236	4,158	5,235	7,705	10,655	16,158
Florida.....	999	2,062	3,992	8,142	4,847	9,593	17,967	30,273
East South Central	4,464	11,657	16,614	24,125	24,606	66,530	87,691	112,327
Kentucky.....	904	2,745	3,362	6,092	4,390	17,693	19,899	31,562
Tennessee.....	1,670	4,628	7,521	8,462	9,379	24,625	40,071	37,093
Alabama.....	1,690	3,654	4,700	8,320	9,577	21,348	24,594	38,428
Mississippi.....	200	631	1,032	1,251	1,260	2,864	3,127	5,214
West South Central	4,717	9,449	16,401	25,587	22,515	40,823	64,698	101,155
Arkansas.....	450	1,165	1,188	2,015	1,975	4,909	5,244	7,376
Louisiana.....	909	1,594	2,934	4,715	4,936	6,677	11,865	17,845
Oklahoma.....	723	1,260	2,225	3,092	2,927	5,337	8,299	12,928
Texas.....	2,636	5,430	10,054	15,765	12,676	23,900	39,200	63,006
Mountain	3,445	6,106	8,700	12,948	16,497	24,155	36,611	50,115
Montana.....	442	925	1,353	1,396	3,136	4,696	5,992	8,882
Idaho.....	445	781	1,255	1,255	2,538	3,907	6,165	6,641
Wyoming.....	139	236	382	868	595	724	1,588	3,570
Colorado.....	464	959	1,317	1,980	1,856	3,719	5,571	7,716
New Mexico.....	281	459	802	1,792	1,014	1,765	3,041	8,261
Arizona.....	843	1,626	2,266	3,575	3,489	5,535	8,562	8,726
Utah.....	235	523	606	796	659	2,377	3,038	2,947
Nevada.....	596	597	720	1,288	3,210	1,431	2,655	3,373
Pacific¹	9,054	14,733	23,256	33,540	47,751	79,245	112,477	161,849
Washington.....	2,765	4,074	7,215	9,330	17,371	24,030	34,153	49,101
Oregon.....	973	2,046	2,614	3,181	5,545	12,703	12,425	16,473
California.....	5,316	8,612	12,862	20,109	24,836	42,512	63,834	93,050
Alaska.....	(NA)	(NA)	117	224	(NA)	(NA)	359	713
Hawaii.....	(NA)	(NA)	449	695	(NA)	(NA)	1,666	2,512

NA. Not available. ¹ Prior to 1960, excludes Alaska and Hawaii.

Source: Federal Power Commission; annual summaries and related monthly reports.

No. 760. ELECTRIC UTILITIES AND INDUSTRIAL PLANTS—INSTALLED GENERATING CAPACITY, BY TYPE OF PRIME MOVER AND CLASS OF OWNERSHIP, BY STATES: 1965

[In thousands of kilowatts. As of December 31]

STATE	Total	TYPE OF PRIME MOVER				CLASS OF OWNERSHIP OF ELECTRIC UTILITIES				Industrial plants
		Electric utilities and industrial		Electric utilities		Total	Privately owned	Publicly owned		
		Fuel	Hydro	Fuel	Hydro			Municipal	Other ¹	
United States	254,519	210,030	44,490	192,345	43,782	236,127	177,570	15,407	43,150	18,393
New England	10,033	8,538	1,495	7,664	1,241	8,905	8,627	238	40	1,128
Maine.....	1,267	776	401	531	343	874	853	3	18	393
New Hampshire.....	844	403	441	366	395	761	757	4	—	83
Vermont.....	324	128	198	118	186	304	288	16	—	21
Massachusetts.....	4,608	4,385	223	3,963	182	4,145	3,970	165	9	464
Rhode Island.....	449	446	3	425	2	427	421	2	5	22
Connecticut.....	2,540	2,401	139	2,261	133	2,394	2,338	49	8	146
Middle Atlantic	36,126	31,911	4,815	29,372	4,741	34,113	30,714	266	3,133	2,013
New York.....	17,463	13,430	4,034	12,976	3,965	16,942	13,712	107	3,123	522
New Jersey.....	6,697	6,350	6,072	6,072	345	6,417	6,356	58	2	280
Pennsylvania.....	11,965	11,531	434	10,323	431	10,754	10,646	101	8	1,211
East North Central	49,939	49,053	886	44,632	798	45,429	42,552	2,337	540	4,510
Ohio.....	13,279	13,277	2	12,048	2	12,050	11,463	573	14	1,229
Indiana.....	9,324	9,295	29	8,132	29	8,161	7,800	361	—	1,163
Illinois.....	13,110	13,068	41	12,441	39	12,479	11,936	399	144	630
Michigan.....	9,346	8,954	392	7,922	356	8,278	7,356	813	108	1,068
Wisconsin.....	4,880	4,459	421	4,090	371	4,461	3,996	191	274	419
West North Central	17,407	14,426	2,982	13,660	2,940	16,601	10,369	2,623	3,608	807
Minnesota.....	3,542	3,359	183	2,946	150	3,096	2,559	440	97	446
Iowa.....	2,749	2,613	136	2,464	136	2,600	2,024	396	180	149
Missouri.....	4,291	3,490	801	3,376	801	4,177	3,247	591	339	114
North Dakota.....	755	355	400	340	400	740	249	16	475	9
South Dakota.....	1,482	263	1,219	263	1,210	1,474	223	40	1,210	5
Nebraska.....	1,595	1,357	238	1,352	238	1,590	—	342	1,247	5
Kansas.....	2,995	2,989	5	2,920	5	2,925	2,067	798	60	69
South Atlantic	38,094	32,924	5,170	29,885	4,994	34,879	31,067	1,935	1,878	3,216
Delaware.....	639	639	—	602	—	602	549	53	—	37
Maryland.....	3,914	3,420	494	3,182	494	3,676	3,609	60	7	238
Dist. of Columbia.....	549	546	3	534	3	537	534	—	3	15
Virginia.....	5,578	4,917	660	4,476	639	5,115	4,831	52	232	463
West Virginia.....	4,610	4,402	208	3,507	101	3,608	3,608	—	—	1,061
North Carolina.....	6,054	4,916	1,738	4,619	1,727	6,345	5,894	90	361	309
South Carolina.....	3,170	2,212	959	1,760	936	2,696	2,123	5	568	474
Georgia.....	4,508	3,439	1,069	3,101	1,056	4,158	3,536	—	622	350
Florida.....	8,472	8,433	39	8,103	39	8,142	6,383	1,674	85	331
East South Central	24,911	20,414	4,497	19,636	4,489	24,125	7,252	345	16,528	786
Kentucky.....	6,127	5,586	541	5,552	541	6,092	2,075	233	3,784	35
Tennessee.....	8,691	6,698	1,993	6,469	1,993	8,462	172	(Z)	8,290	229
Alabama.....	8,748	6,785	1,964	6,364	1,956	8,320	3,866	(Z)	4,453	429
Mississippi.....	1,345	1,345	—	1,251	—	1,251	112	—	—	94
West South Central	29,839	28,173	1,661	23,926	1,661	25,587	20,741	2,603	2,243	4,252
Arkansas.....	2,321	1,451	869	1,146	869	2,015	1,077	777	860	306
Louisiana.....	6,004	6,004	—	4,715	—	4,715	4,147	568	—	1,289
Oklahoma.....	3,145	2,789	355	2,737	355	3,092	2,415	153	525	52
Texas.....	18,370	17,933	436	15,328	436	15,765	13,101	1,905	858	2,605
Mountain	13,747	8,187	5,560	7,390	5,558	12,948	8,008	375	4,565	799
Montana.....	1,404	1,262	135	1,350	1,262	1,396	896	—	500	7
Idaho.....	1,295	44	1,251	4	1,251	1,255	1,033	13	209	40
Wyoming.....	893	212	653	212	866	866	645	2	219	27
Colorado.....	2,083	1,818	264	1,716	264	1,980	1,343	222	416	102
New Mexico.....	1,885	1,861	25	1,767	25	1,792	1,592	78	122	94
Arizona.....	3,811	2,156	1,655	1,920	1,655	3,575	1,279	2	2,294	236
Utah.....	1,042	834	208	588	207	796	614	55	127	246
Nevada.....	1,334	652	683	606	682	1,288	606	3	679	46
Pacific	34,423	16,999	17,424	16,181	17,359	33,540	18,239	4,686	10,615	883
Washington.....	9,646	529	9,117	240	9,090	9,330	1,093	1,120	7,117	316
Oregon.....	3,353	341	3,012	189	2,992	3,181	1,217	142	1,822	172
California.....	20,359	15,167	5,193	14,918	5,191	20,109	15,204	3,342	1,562	250
Alaska.....	261	179	82	142	82	224	30	81	114	87
Hawaii.....	803	784	19	692	3	695	695	—	—	108

— Represents zero. Z Less than 500 kw.

¹ Includes Federal, State, public utility districts, and cooperatives.

Source: Federal Power Commission; annual summaries and related monthly reports.

Electric Energy

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No. 761. ELECTRIC ENERGY—PRODUCTION, BY TYPE OF PRIME MOVER AND CLASS OF OWNERSHIP, BY STATES: 1965

[In millions of kilowatt-hours]

STATE	Total	TYPE OF PRIME MOVER				CLASS OF OWNERSHIP OF ELECTRIC UTILITIES				Industrial plants
		Electric utilities and industrial		Electric utilities		Total	Privately owned	Publicly owned		
		Fuel	Hydro	Fuel	Hydro			Municipal	Other ¹	
United States	1,157,583	960,599	196,984	861,401	193,851	1,055,252	809,474	49,940	195,838	102,331
New England	44,078	39,402	4,677	36,326	3,659	39,985	39,180	654	151	4,093
Maine.....	5,854	3,788	2,066	2,417	1,372	3,789	3,729	14	46	2,065
New Hampshire.....	2,938	1,887	1,051	1,719	882	2,602	2,598	3	-	336
Vermont.....	821	107	714	92	661	753	704	48	-	68
Massachusetts.....	20,969	20,310	659	19,361	564	19,925	19,364	527	34	1,044
Rhode Island.....	1,396	1,394	2	1,317	1	1,318	1,277	(Z)	41	77
Connecticut.....	12,102	11,917	185	11,420	179	11,598	11,508	60	31	503
Middle Atlantic	166,189	145,303	20,886	136,050	20,579	156,629	139,460	843	16,327	9,560
New York.....	75,623	56,035	19,588	53,866	19,301	73,168	56,478	381	16,308	2,456
New Jersey.....	28,405	28,437	* 31	27,230	* 35	27,195	27,004	188	2	1,211
Pennsylvania.....	62,161	60,832	1,329	54,954	1,313	56,267	55,978	273	16	5,893
East North Central	239,449	235,219	4,230	212,497	3,754	216,251	206,887	6,845	2,519	23,198
Ohio.....	64,186	64,176	10	57,247	10	57,256	55,366	1,809	82	6,929
Indiana.....	48,085	47,992	94	42,569	94	42,663	41,690	972	-	5,423
Illinois.....	58,983	58,808	175	55,759	158	55,917	54,410	1,129	377	3,066
Michigan.....	47,492	45,677	1,815	40,109	1,667	41,777	38,703	2,482	592	5,715
Wisconsin.....	20,703	18,567	2,136	16,813	1,825	18,638	16,718	453	1,468	2,065
West North Central	67,452	57,130	10,322	52,895	10,104	62,999	43,897	5,758	13,344	4,453
Minnesota.....	15,653	14,560	1,093	12,126	915	13,041	11,813	944	284	2,611
Iowa.....	10,624	9,697	927	8,957	926	9,883	8,677	855	352	741
Missouri.....	16,773	15,970	802	15,377	802	16,179	13,568	1,393	1,219	593
North Dakota.....	3,312	815	2,497	752	2,497	3,249	620	5	2,624	63
South Dakota.....	4,373	501	3,873	500	3,835	4,335	496	11	3,828	38
Nebraska.....	5,415	4,299	1,116	4,288	1,115	5,403	-	638	4,766	12
Kansas.....	11,302	11,288	13	10,894	13	10,908	8,722	1,914	272	394
South Atlantic	172,880	157,597	15,283	139,411	14,531	153,942	142,253	5,871	5,818	18,938
Delaware.....	3,435	3,435	-	3,253	-	3,253	3,146	-	107	182
Maryland.....	18,698	17,558	1,141	16,132	1,140	17,272	17,084	150	38	1,426
Dist. of Columbia.....	614	611	3	601	3	594	561	-	3	60
Virginia.....	25,849	24,965	884	22,874	797	23,371	22,716	237	418	2,478
West Virginia.....	25,470	24,640	830	18,889	836	19,225	19,225	-	-	6,245
North Carolina.....	32,574	27,194	5,380	25,834	5,349	31,183	29,789	112	1,282	1,391
South Carolina.....	15,058	11,546	3,512	9,205	3,438	12,043	10,364	15	2,264	2,415
Georgia.....	18,777	15,542	3,235	12,987	3,170	16,158	14,760	-	1,398	2,619
Florida.....	32,405	32,107	298	29,975	298	30,273	24,609	5,260	414	2,182
East South Central	116,801	98,483	18,317	94,034	18,293	112,327	33,736	1,398	77,192	4,474
Kentucky.....	31,729	29,265	2,464	29,128	2,464	31,592	8,830	1,135	22,077	137
Tennessee.....	38,378	29,627	8,750	28,343	8,750	37,093	829	-	36,264	1,285
Alabama.....	40,740	33,637	7,103	31,350	7,078	38,428	19,576	-	18,852	2,312
Mississippi.....	5,954	5,954	-	5,214	-	5,214	4,951	263	-	740
West South Central	131,245	128,597	2,648	98,506	2,648	101,155	88,607	7,252	5,295	30,091
Arkansas.....	9,566	8,485	1,080	6,295	1,080	7,376	5,982	173	1,220	2,190
Louisiana.....	26,945	26,945	-	17,845	-	17,845	16,665	1,180	-	9,099
Oklahoma.....	13,166	12,342	825	12,103	825	12,928	10,935	380	1,613	238
Texas.....	81,569	80,825	743	62,262	743	63,006	55,026	5,518	2,462	18,563
Mountain	54,111	30,269	23,842	26,279	23,837	50,115	34,125	1,184	14,807	3,996
Montana.....	8,897	5,068	8,389	493	8,389	8,882	5,831	-	3,051	15
Idaho.....	6,802	161	6,641	(Z)	6,641	6,641	5,489	78	1,073	161
Wyoming.....	3,725	2,840	884	2,686	884	3,570	2,681	(Z)	889	155
Colorado.....	8,193	7,255	938	6,779	937	7,716	5,595	771	1,350	477
New Mexico.....	8,710	8,667	43	8,218	43	8,261	7,676	167	414	449
Arizona.....	9,941	5,502	4,439	4,287	4,439	8,726	2,751	10	5,964	1,215
Utah.....	4,325	3,412	913	2,037	910	2,947	2,276	154	518	1,378
Nevada.....	3,519	1,924	1,595	1,779	1,594	3,373	1,825	4	1,544	145
Pacific	165,378	68,599	96,779	65,403	96,446	161,849	81,329	20,134	60,386	3,529
Washington.....	50,260	966	49,294	* 3	49,105	49,101	3,733	3,596	41,772	1,159
Oregon.....	17,058	549	16,509	26	16,447	16,473	5,477	365	10,631	585
California.....	94,189	63,666	30,523	62,527	30,523	93,050	69,533	15,911	7,605	1,139
Alaska.....	948	598	350	363	350	713	73	263	377	235
Hawaii.....	2,924	2,810	104	2,491	22	2,512	2,512	-	-	411

- Represents zero.

Z Less than 500,000 kw.-hr.

¹ Includes Federal, State, public utility districts, and cooperatives.

² Deduct.

Source: Federal Power Commission; annual summaries and related monthly reports.

No. 762. ELECTRIC LIGHT AND POWER INDUSTRY—ENERGY GENERATED, SALES, REVENUE, AND CUSTOMERS: 1940 TO 1966

[Prior to 1960, excludes Alaska and Hawaii]

CLASS	1940	1950	1955	1960	1965	1966
Energy generated ¹.....mil. kw.-hr.	141,837	329,141	547,038	755,375	1,055,252	² 1,143,737
Sales to ultimate customers.....mil. kw.-hr.	³ 118,643	³ 280,539	480,921	683,199	953,414	1,038,982
Residential or domestic.....mil. kw.-hr.	23,317	67,030	125,371	196,400	280,970	306,572
Commercial and industrial:						
Small light and power.....mil. kw.-hr.	22,373	50,446	77,880	114,806	202,112	225,878
Large light and power.....mil. kw.-hr.	59,557	139,065	257,937	344,799	433,365	465,077
All other.....mil. kw.-hr.	11,405	16,593	19,733	27,194	36,967	41,455
Revenue from ultimate customers.....mil. dol.	³ 2,440	³ 5,086	8,020	11,516	15,158	16,196
Residential or domestic.....mil. dol.	896	1,932	3,323	4,856	6,329	6,734
Commercial and industrial:						
Small light and power.....mil. dol.	689	1,334	1,944	2,828	4,313	4,640
Large light and power.....mil. dol.	631	1,405	2,416	3,334	3,885	4,135
All other.....mil. dol.	174	298	337	498	631	678
Ultimate customers, Dec. 31.....1,000.	³ 30,191	³ 44,986	52,559	58,870	65,558	66,905
Residential or domestic.....1,000.	24,952	37,533	45,828	51,446	57,596	58,821
Commercial and industrial:						
Small light and power.....1,000.	4,260	5,466	6,156	6,760	7,420	7,536
Large light and power.....1,000.	178	235	402	454	310	316
All other.....1,000.	115	157	173	210	232	232

¹ Figures obtained by Edison Electric Institute from Federal Power Commission. ² Preliminary.
³ Rural included in total only.

 Source: Edison Electric Institute, New York, N.Y.; *Statistical Year Book*.

No. 763. WATER POWER—DEVELOPED, 1950 TO 1965, AND ESTIMATED UNDEVELOPED, 1965, BY STATES

[In thousands of kilowatts. As of December 31]

STATE	DEVELOPED WATER POWER ¹ (CAPACITY OF ACTUAL INSTALLATIONS ONLY)			Esti- mated undevel- oped water power, 1965	STATE	DEVELOPED WATER POWER ¹ (CAPACITY OF ACTUAL INSTALLATIONS ONLY)			Esti- mated undevel- oped water power, 1965
	1950	1960	1965			1950	1960	1965	
U.S.	² 18,675	33,180	44,490	124,087	S.A.—Con.				
N.E.	1,239	1,520	1,495	3,240	W. Va.	208	208	208	2,144
Maine.....	391	495	491	1,771	N.C.	962	1,220	1,738	983
N.H.	312	445	441	689	S.C.	679	958	959	2,053
Vt.	192	199	198	347	Ga.	425	653	1,069	2,538
Mass.....	223	227	223	248	Fla.	13	42	39	107
R.I.	11	3	3	-	E.S.C.	2,729	3,750	4,497	4,287
Conn.	107	151	139	185	Ky.	271	541	541	1,592
M.A.	1,678	2,472	4,815	4,986	Tenn.	1,238	1,910	1,993	563
N.Y.	1,225	2,028	4,034	1,623	Ala.	1,220	1,299	1,964	1,978
N.J.	9	8	347	241	Miss.	-	-	-	154
Pa.	444	436	434	3,122	W.S.C.	466	944	1,661	3,056
E.N.C.	901	929	886	1,351	Ark.	143	388	869	1,044
Ohio.....	16	9	2	252	La.	-	-	-	20
Ind.	37	31	29	396	Okla.	74	165	355	882
Ill.	54	42	41	206	Tex.	245	391	436	1,110
Mich.	399	419	392	272	Mt.	2,286	4,621	5,560	26,530
Wis.	396	427	421	225	Mont.	427	1,235	1,262	6,910
W.N.C.	629	1,594	2,982	4,146	Idaho....	441	1,251	1,251	10,720
Minn.	181	186	183	142	Wyo.	79	189	212	1,101
Iowa....	137	136	136	382	Colo.	92	253	264	2,477
Mo.	151	293	801	1,998	N. Mex.	25	25	25	171
N. Dak.	-	400	400	195	Ariz.	541	980	1,655	3,914
S. Dak.	11	333	1,219	478	Utah....	94	100	208	1,207
Nebr.	142	240	238	648	Nev.	587	587	683	30
Kans.	6	6	5	303	Pac.	² 5,979	13,578	17,424	66,514
S.A.	2,767	3,773	5,170	9,977	Wash.	2,591	7,002	9,117	19,256
Del.	1	1	-	-	Oreg.	783	2,434	3,012	5,856
Md.	272	272	494	163	Calif.	2,606	4,054	5,193	13,283
D.C.	3	3	3	-	Alaska....	(NA)	67	82	28,150
Va.	207	416	660	1,989	Hawaii....	(NA)	21	19	10

- Represents zero. NA Not available.

¹ Electric utilities and industrial plants. ² Excludes Alaska and Hawaii.

Source: Federal Power Commission; annual summaries and related monthly reports.

No. 764. FEDERAL ELECTRIC UTILITY PROJECTS—INSTALLED CAPACITY AND INVESTMENT ALLOCATED TO ELECTRIC PLANT: 1955, 1960, AND 1965

[As of June 30. Prior to 1960, excludes Alaska and Hawaii. Comprises only the electricity generating plant of these projects and excludes projects not primarily manufacturing electricity (e.g., West Point, Annapolis). Investments represent allocation to power projects for capital equipment and improvements. Reserves for depreciation have not been deducted.]

PROJECT GROUP OR SYSTEM	INSTALLED CAPACITY (1,000 kw.)			INVESTMENT ALLOCATED ¹ (\$1,000)		
	1955	1960	1965	1955	1960	1965
Total	15,033	22,616	29,317	3,811,843	5,397,699	7,924,875
Percent capacity of all electric utilities.....	13.1	13.5	12.8	(X)	(X)	(X)
Central Valley: Bureau of Reclamation.....	522	630	1,014	134,081	137,861	293,567
Columbia Basin.....	3,619	6,063	6,544	1,020,600	1,607,100	2,245,473
Bonneville Power Administration (transmission).....	-	-	-	368,914	479,913	613,627
Bureau of Reclamation.....	2,259	2,282	2,282	218,084	277,200	675,707
Corps of Engineers.....	1,360	3,781	4,262	433,602	849,987	956,139
Hoover and Parker-Davis: Bureau of Reclamation.....	1,595	1,595	1,690	205,598	208,635	217,073
Missouri Basin.....	687	1,142	2,258	369,577	661,373	1,120,927
Bureau of Reclamation.....	362	397	678	214,278	304,212	520,197
Corps of Engineers.....	325	745	1,580	155,299	357,161	600,730
Southeastern Power Administration.....	1,031	1,271	1,677	259,142	410,111	547,391
Southeastern Power Administration (transmission).....	-	-	-	63	88	107
Corps of Engineers.....	1,031	1,271	1,677	259,079	410,023	547,284
Southwestern Power Administration.....	426	601	1,242	144,629	230,192	385,414
Southwestern Power Administration (transmission).....	-	-	-	23,444	27,108	37,077
Corps of Engineers.....	426	601	1,242	121,185	203,084	351,337
Tennessee Valley Authority.....	7,005	11,032	13,923	1,634,057	2,054,316	2,685,186
Other projects.....	148	282	969	44,159	88,110	426,844
Bureau of Reclamation.....	83	218	905	20,483	61,941	309,740
Corps of Engineers.....	18	18	18	11,834	11,846	11,885
Bureau of Indian Affairs.....	15	14	14	6,342	7,602	8,498
International Boundary and Water Commission.....	32	32	32	5,500	6,721	6,721

- Represents zero. X Not applicable. ¹ Includes estimates.

Source: Federal Power Commission; unpublished data.

No. 765. RURAL ELECTRIFICATION ADMINISTRATION—ELECTRIC PROGRAM, SUMMARY OF OPERATIONS: 1940 TO 1966

[Includes data from date of first loan to borrowers in Virgin Islands (1940) and Puerto Rico (1952)]

ITEM	1940	1950	1955	1960	1963	1964	1965	1966 ¹
Loans approved, cumulative, Dec. 31: ²								
Borrowers ³	791	1,076	1,077	1,087	1,101	1,105	1,103	1,101
Amount.....mil. dol..	351	2,312	3,125	4,256	5,073	5,477	5,793	6,145
Systems in operation, Dec. 31: ⁴								
Systems ⁵	685	1,007	1,026	1,038	1,046	1,051	1,052	1,051
Miles energized ⁶.....1,000..	268	1,089	1,362	1,465	1,527	1,547	1,566	1,587
Consumers served.....1,000..	674	3,413	4,261	4,826	5,238	5,386	5,541	5,695
Borrowers' operations during year: ⁷								
Energy generated.....mil. kw.-hr..	(NA)	1,077	3,255	4,922	7,002	8,039	8,833	10,420
Energy purchased.....mil. kw.-hr..	(NA)	7,270	14,996	26,057	33,005	36,907	39,104	43,020
Energy sold.....mil. kw.-hr..	(NA)	6,884	15,739	27,269	35,357	39,837	42,668	47,924
Revenue.....mil. dol..	(NA)	229	420	615	746	802	847	902
Average monthly consumption per consumer:								
All consumers.....kw.-hr..	(NA)	180	306	466	565	616	654	687
Residential consumers ⁸.....kw.-hr..	(NA)	147	242	357	425	456	479	507
Total utility plant.....mil. dol..	(NA)	(NA)	2,706	3,697	4,406	4,696	4,978	5,270
Employees.....	(NA)	(NA)	(NA)	(NA)	29,816	30,779	31,702	32,600

NA Not available. ¹ Preliminary, except loans approved.

² Net; i.e., excludes loans rescinded. For 1940, includes amounts not yet under loan contract.

³ Organizations, mainly cooperatives, to which loans for extending central station electric service in rural areas are made.

⁴ Includes data at time of repayment of loan for borrowers whose loans have been repaid in full. As of Dec. 31, 1966, there were 63 such borrowers, with 25,046 miles energized and 138,026 consumers served.

⁵ Rural electric distribution, generation, and transmission systems operated by REA borrowers.

⁶ Pole miles of electric distribution and transmission line in service.

⁷ Excludes energy sales and revenues of power sold by one REA borrower to another.

⁸ Includes rural-nonfarm and farm consumers.

Source: Dept. of Agriculture, Rural Electrification Administration; *Annual Statistical Report—Rural Electrification Borrowers*.

No. 766. CONSUMPTION OF FUELS BY ELECTRIC UTILITIES: 1940 TO 1966

[Prior to 1963, excludes Alaska and Hawaii. Includes use of fuels for stand-by purposes. See also *Historical Statistics, Colonial Times to 1957*, series S 36-43]

YEAR	Net generation by fuel ¹	FUEL CONSUMED								
		Total coal equivalent	Coal			Oil	Gas	Per kilowatt-hour		
			Total ²	Bituminous ²	Anthracite			Coal	Oil	Gas
	<i>Mil. kw.-hr.</i>	<i>1,000 short tons</i>	<i>1,000 short tons</i>	<i>1,000 short tons</i>	<i>1,000 short tons</i>	<i>1,000 42-gal. bbl.</i>	<i>Mil. cu. ft.</i>	<i>Lb.</i>	<i>Gal.</i>	<i>Cu. ft.</i>
1940	93,963	62,942	51,474	49,126	2,348	16,325	180,096	1.34	0.112	16.5
1945	142,331	92,642	74,725	71,603	3,122	20,228	326,212	1.30	0.109	16.5
1950	232,813	138,421	91,871	88,262	3,609	75,420	628,919	1.19	0.094	14.1
1955	433,786	206,929	143,759	140,550	3,209	75,274	1,153,280	0.95	0.085	12.1
1960	607,142	266,064	176,634	173,882	2,751	85,340	1,724,762	0.88	0.078	10.9
1963	751,038	321,341	211,332	209,193	2,139	93,314	2,144,473	0.856	0.075	10.6
1964	806,917	345,666	225,425	223,186	2,239	101,141	2,322,596	0.857	0.075	10.6
1965	861,401	369,331	244,788	242,630	2,158	115,203	2,321,101	0.858	0.075	10.5
1966 (prel.)	949,254	412,428	266,395	264,203	2,192	140,944	2,608,768	0.869	0.075	10.4

¹ Includes following kw.-hr., in millions: Nuclear power—3,212 in 1963, 3,343 in 1964, 3,657 in 1965, and 5,521 in 1966; wood, waste, and geothermal power—296 in 1963, 352 in 1964, 458 in 1965, and 521 in 1966.

² Includes lignite.

Source: Federal Power Commission; annual summaries and related monthly reports.

No. 767. ELECTRIC UTILITIES—BALANCE SHEET AND INCOME ACCOUNT OF PRIVATELY OWNED COMPANIES: 1940 TO 1965

[In millions of dollars. Prior to 1960, excludes Alaska and Hawaii. Data cover reports of all companies with annual electric revenues over \$1 million representing about 98 percent of the investor-owned industry. See also *Historical Statistics, Colonial Times to 1957*, series V 128-142]

ITEM	1940	1945	1950	1955	1960	1964	1965
COMPOSITE BALANCE SHEET							
Assets and other debits.....	15,477	14,452	20,523	30,992	44,742	53,753	56,395
Electric utility plant.....	10,447	12,176	18,956	30,307	45,456	56,327	59,703
Accumulated provisions for depreciation and amortization.....	(NA)	(NA)	3,832	5,713	8,889	12,575	13,631
Net electric utility plant.....	(NA)	(NA)	15,124	24,594	36,567	43,752	46,072
Other utility plant.....	13,960	12,315	2,485	3,402	4,852	6,189	6,612
Accumulated provisions for depreciation and amortization.....	(NA)	(NA)	534	678	963	1,297	1,417
Net other utility plant.....	(NA)	(NA)	1,951	2,724	3,889	4,892	5,195
Total utility plant.....	14,407	14,491	21,441	33,709	50,308	62,515	66,315
Accumulated provisions for depreciation and amortization.....	1,913	3,045	4,366	6,391	9,352	15,372	15,043
Net total utility plant.....	12,494	11,446	17,075	27,318	40,456	48,644	51,267
Other property and investments.....	1,380	1,090	1,237	933	1,004	1,211	1,247
Current and accrued assets.....	1,123	1,672	2,058	2,567	3,065	3,634	3,639
Deferred debits.....	480	244	153	174	216	264	242
Liabilities and other credits.....	15,477	14,452	20,523	30,992	44,742	53,753	56,395
Capital stock.....	6,471	5,950	7,621	10,404	13,322	15,621	15,668
Other paid-in capital.....	255	282	589	1,083	1,747	2,148	2,022
Earned surplus.....	860	766	1,346	2,191	3,736	5,142	5,712
Long-term debt.....	6,895	6,118	9,179	14,316	21,035	24,589	25,502
Current and accrued liabilities.....	692	965	1,527	2,381	3,112	3,736	4,222
Deferred credits and operating reserves.....	261	325	195	247	277	475	546
Contributions in aid of construction.....	43	46	66	109	188	262	294
Accumulated deferred income taxes.....	-	-	-	261	1,325	1,780	1,829
COMPOSITE INCOME ACCOUNTS							
Electric operating revenues.....	2,404	3,171	4,784	7,199	10,116	12,673	13,400
Electric operating expenses.....	1,667	2,408	3,828	5,702	7,917	9,796	10,296
Net electric operating revenues.....	737	763	956	1,497	2,199	2,877	3,104
Income from electric plant leased to others.....	7	5	5	2	2	2	3
Electric utility operating income.....	744	768	961	1,500	2,201	2,879	3,107
Other utility operating income.....	61	65	72	120	196	277	302
Total utility operating income.....	805	833	1,033	1,620	2,397	3,156	3,409
Other income.....	68	54	68	63	79	121	97
Total income.....	873	887	1,101	1,683	2,476	3,277	3,506
Income deductions.....	325	353	279	439	603	884	925
Net income.....	548	534	822	1,244	1,783	2,393	2,581

- Represents zero. NA Not available.

¹ Includes amounts unclassified as to utility departments: \$2,309 million in 1940 and \$491 million in 1945.

² Includes premium on capital stock, capital stock discount and expense, other capital stock items, and re-acquired capital stock.

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

No. 768. GAS UTILITY AND PIPELINE INDUSTRY—BALANCE SHEET AND INCOME ACCOUNT: 1940 TO 1965

[In millions of dollars. Prior to 1960, excludes Hawaii, and 1962, Alaska. Represents companies owned by private investors. Excludes operations of companies distributing gas in bottles or in tanks]

ITEM	1940	1945	1950	1955	1960	1963	1964	1965
COMPOSITE BALANCE SHEET								
Assets and other debits								
Utility plant and adjustments	4,980	5,610	9,010	15,435	24,570	29,535	31,000	32,845
Investment and fund accounts	4,330	4,770	7,620	13,305	20,835	25,055	26,410	28,205
Current and accrued assets	200	185	360	525	1,380	1,660	1,775	1,885
Deferred debits ¹	360	590	970	1,465	2,185	2,610	2,605	2,545
	90	65	60	140	170	210	210	210
Liabilities and other credits								
Capital stock	4,980	5,610	9,010	15,435	24,570	29,535	31,000	32,845
Long-term debt	1,740	1,705	2,405	3,905	5,785	6,765	6,985	7,115
Current and accrued liabilities	1,875	1,495	3,145	5,900	8,130	10,605	11,070	11,515
Reserve for depreciation, retirement, depletion, etc.	245	350	795	1,390	2,420	2,940	2,850	3,035
Capital surplus	870	1,400	1,740	2,775	4,570	6,045	6,615	7,205
Retained income	(NA)	120	135	200	145	120	100	175
Other liabilities and credits	(NA)	375	720	1,040	1,880	2,140	2,415	2,715
	550	165	130	225	640	920	965	1,085
COMPOSITE INCOME ACCOUNT								
Operating revenues	1,054	1,363	2,553	5,063	8,696	10,435	11,074	11,525
Operating revenue deductions	839	1,152	2,182	4,398	7,587	9,136	9,701	10,063
Net operating revenues	215	211	371	665	1,109	1,299	1,373	1,462
Income from utility plant leased to others	-1	(Z)	1	2	3	6	7	7
Utility operating income	214	211	372	667	1,112	1,305	1,380	1,469
Other income (nonoperating)	9	15	33	48	110	104	179	157
Gross income	223	226	405	715	1,222	1,409	1,559	1,626
Income deductions	78	74	88	206	392	519	496	519
Net income	145	152	317	509	830	890	1,063	1,107

NA Not available. Z Less than \$500,000.

¹ Includes capital stock discount and expense and reacquired securities. Beginning 1960, reacquired securities are deducted from the appropriate capital account.

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

No. 769. GAS UTILITY INDUSTRY—SUMMARY: 1945 TO 1966

[Prior to 1960, excludes Hawaii, and 1962, Alaska. 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]

ITEM	1945	1950	1955	1960	1962	1963	1964	1965	1966 (prel.)
Customers¹.....1,000									
Residential	19,977	24,001	28,479	33,054	34,683	35,551	36,463	37,338	38,193
Commercial	18,607	22,146	26,283	30,418	31,893	32,711	33,551	34,341	35,102
Industrial	1,278	1,739	2,048	2,468	2,598	2,640	2,712	2,790	2,873
Other	80	99	121	141	156	162	159	166	175
	13	17	28	37	37	39	41	41	43
Sales.....mil. therms²									
Residential	25,868	42,090	66,588	92,876	102,348	107,663	115,912	120,131	128,124
Commercial	7,749	13,839	22,387	31,881	35,369	36,680	38,697	40,016	41,058
Industrial	2,497	4,104	6,029	9,198	10,929	11,366	12,735	13,488	14,376
Other	14,523	22,887	35,351	47,094	51,001	54,381	59,120	61,741	66,741
	1,098	1,261	2,319	4,704	5,049	5,236	5,360	4,916	5,954
Revenues³.....mil. dol.									
Residential	1,153	1,948	3,450	5,617	6,445	6,727	7,133	7,415	7,771
Commercial	705	1,177	2,007	3,177	3,603	3,728	3,895	4,030	4,121
Industrial	149	266	424	723	874	910	998	1,054	1,117
Other	281	480	938	1,563	1,796	1,906	2,049	2,156	2,321
	18	26	81	153	171	183	191	176	212
Mileage of gas mains									
Field and gathering	310,670	387,470	496,740	630,950	683,230	709,940	736,220	767,990	797,700
Transmission	27,000	32,850	45,680	55,850	58,680	60,720	61,010	62,110	64,600
Distribution	82,190	113,050	145,970	183,600	196,380	200,940	205,400	211,360	217,600
	201,480	241,570	305,090	391,440	428,170	448,280	469,810	494,520	515,500
Natural gas	218,000	314,480	448,770	607,980	663,560	694,260	724,510	757,150	787,110
Manufactured gas	72,000	55,420	11,960	1,570	1,500	1,490	1,460	1,430	1,190
Mixed gas	18,660	11,990	31,440	19,450	10,460	12,810	8,980	8,380	8,380
Liquefied petroleum gas	2,010	5,580	4,570	1,950	1,710	1,280	1,270	1,030	1,020

¹ Yearly averages.

² A therm is equivalent to 100,000 British thermal units. (A B.t.u. is the quantity of heat required to raise the temperature of 1 pound of water 1° F. at or near its point of maximum density.)

³ Excludes revenues from sales for resale.

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

**NO. 770. GAS UTILITY INDUSTRY—CUSTOMERS AND REVENUES, BY TYPE OF GAS,
CLASS OF SERVICE, AND STATES: 1965**

[See headnote, table 769]

TYPE OF GAS AND STATE	CUSTOMERS ¹ (1,000)					REVENUES ² (mil. dol.)				
	Total	Residential	Commercial	Industrial	Other	Total	Residential	Commercial	Industrial	Other
United States³	37,337.5	34,340.8	2,789.7	166.2	40.8	7,415	4,030	1,054	2,156	176
Natural gas ⁴	36,536.6	33,591.3	2,741.6	163.8	39.9	7,278	3,938	1,035	2,131	175
Manufactured gas.....	128.2	119.0	8.4	0.7	0.1	19	13	3	3	(Z)
Mixed gas.....	617.7	579.5	35.7	1.7	0.8	111	74	14	22	1
L.P. gas.....	55.0	51.0	4.0	(Z)	(Z)	6	5	1	(Z)	(Z)
New England	1,641.6	1,533.9	96.9	10.0	0.8	275	197	42	33	3
Connecticut.....	378.8	352.0	24.3	2.5	(Z)	67	44	10	12	(Z)
Maine.....	28.5	27.1	1.4	(Z)	-	4	3	1	(Z)	-
Massachusetts.....	1,024.7	958.3	60.1	5.6	0.7	171	127	26	16	2
New Hampshire.....	40.2	37.5	2.4	0.2	0.1	7	5	1	1	(Z)
Rhode Island.....	154.5	144.7	8.1	1.7	(Z)	25	17	4	4	(Z)
Vermont.....	14.9	14.3	0.6	-	-	1	1	(Z)	-	-
Middle Atlantic	7,919.6	7,328.2	549.8	30.2	11.4	1,342	873	201	251	17
New Jersey.....	1,640.6	1,484.1	150.5	6.0	(Z)	269	184	47	37	(Z)
New York.....	4,076.5	3,781.4	270.7	16.0	8.4	571	396	94	69	12
Pennsylvania.....	2,202.5	2,062.7	128.6	8.2	3.0	503	293	59	145	5
East North Central	8,400.3	7,764.0	593.7	35.3	7.3	1,996	1,170	300	510	15
Illinois.....	2,634.6	2,456.3	163.9	14.1	0.3	556	351	80	125	(Z)
Indiana.....	933.8	850.2	79.9	3.3	0.4	218	109	31	78	1
Michigan.....	1,732.9	1,590.5	134.2	8.2	(Z)	434	267	71	96	(Z)
Ohio.....	2,424.2	2,241.3	171.0	5.3	6.6	625	351	95	168	10
Wisconsin.....	674.8	625.7	44.7	4.4	(Z)	162	92	23	44	4
West North Central	3,074.7	2,790.0	264.2	19.7	0.8	702	376	113	202	10
Iowa.....	541.9	484.7	55.6	1.6	(Z)	127	72	26	27	2
Kansas.....	586.5	533.8	48.7	3.7	0.3	125	50	13	60	2
Minnesota.....	560.9	516.1	40.5	4.2	0.1	157	91	24	41	1
Missouri.....	933.4	859.9	69.1	4.3	0.1	187	109	29	47	2
Nebraska.....	330.2	288.3	36.2	5.5	0.2	78	39	14	24	2
North Dakota.....	47.4	41.7	5.6	0.1	(Z)	11	6	4	1	(Z)
South Dakota.....	74.4	65.5	8.5	0.3	0.1	17	10	5	3	(Z)
South Atlantic	2,995.6	2,744.1	232.2	13.1	6.2	632	325	92	205	10
Delaware.....	73.3	68.8	4.4	0.1	(Z)	16	9	2	4	(Z)
Dist. of Columbia.....	172.4	152.1	17.8	0.9	1.6	30	20	8	1	1
Florida.....	294.2	271.5	21.7	0.5	0.5	73	18	13	41	1
Georgia.....	670.9	619.7	46.6	4.2	0.4	128	66	17	44	1
Maryland.....	639.6	596.1	40.0	2.7	0.8	113	79	13	20	1
North Carolina.....	193.2	168.6	22.6	1.9	0.1	55	21	9	24	1
South Carolina.....	154.7	137.8	15.8	0.8	0.3	43	15	6	22	(Z)
Virginia.....	432.7	396.8	33.5	1.4	1.0	89	54	15	18	3
West Virginia.....	364.6	332.7	29.8	0.6	1.5	85	42	10	30	2
East South Central	1,699.6	1,535.3	152.5	5.5	6.3	374	156	52	154	12
Alabama.....	522.1	483.7	35.7	1.2	1.5	114	49	13	52	(Z)
Kentucky.....	506.0	460.3	43.4	0.8	1.5	100	53	14	28	3
Mississippi.....	310.6	275.7	31.9	1.5	1.5	68	21	7	37	3
Tennessee.....	360.9	315.6	41.5	2.0	1.8	92	32	18	37	6
West South Central	4,329.9	3,918.2	374.4	32.3	5.0	771	280	74	394	23
Arkansas.....	362.1	318.4	41.2	2.4	0.1	83	27	10	45	3
Louisiana.....	804.7	743.2	57.9	2.7	0.9	166	44	9	110	3
Oklahoma.....	648.7	584.9	59.9	3.7	0.2	103	51	15	29	8
Texas.....	2,514.4	2,271.7	215.4	23.5	3.8	419	158	40	210	12
Mountain	1,587.3	1,417.6	160.2	6.6	2.9	326	148	54	115	9
Arizona.....	374.1	337.9	33.5	1.9	0.8	66	27	9	27	3
Colorado.....	485.7	428.0	56.8	0.6	0.3	88	44	21	22	1
Idaho.....	52.2	44.0	7.7	0.5	-	20	6	3	10	-
Montana.....	137.6	122.0	15.0	0.6	(Z)	32	15	7	9	1
Nevada.....	47.8	45.4	2.2	0.2	(Z)	18	6	2	9	(Z)
New Mexico.....	203.8	182.5	17.7	2.1	1.5	44	17	5	18	3
Utah.....	211.9	193.0	18.4	0.5	(Z)	44	25	3	16	(Z)
Wyoming.....	74.2	64.8	8.9	0.2	0.3	15	7	3	5	(Z)
Pacific⁵	5,688.9	5,309.5	365.8	13.5	0.1	998	504	125	292	76
California.....	6.1	5.0	0.9	0.2	(Z)	5	2	1	1	1
Oregon.....	5,311.1	4,980.8	319.4	10.8	0.1	876	457	102	242	75
Washington.....	36.2	33.8	2.0	0.4	-	6	3	1	2	-
Alaska ⁴	146.2	128.2	16.8	1.2	(Z)	42	18	8	17	(Z)
Hawaii.....	189.3	161.7	26.7	0.9	(Z)	69	25	14	31	(Z)

- Represents zero. Z Customers, less than 50; revenues, less than \$500,000.

¹ Averages for the year. ² Excludes revenues from sales for resale.

³ Natural gas only included for Alaska. ⁴ Natural gas only.

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

Section 20

Science

This section presents statistics relating to various aspects of scientific and technical activity. Major topics are research and development, training and employment of scientists and engineers, atomic energy, space vehicles, and patents and trademarks. Principal sources of these data are the National Science Foundation, the Atomic Energy Commission, and the National Aeronautics and Space Administration.

The National Science Foundation gathers data chiefly through recurring statistical surveys and the National Register of Scientific and Technical Personnel (see below). Current Foundation publications containing data on funds for research and development and on scientific and engineering personnel include the bulletin series, *Reviews of Data on Science Resources*; the regular reports, *Federal Funds for Research, Development, and Other Scientific Activities*; *Basic Research, Applied Research, and Development in Industry*, and *American Science Manpower*; occasional reports relating to colleges and universities, and other nonprofit institutions; special reports such as *Scientific Manpower From Abroad*; and policy reports relating to national allocation of manpower and funds to science and technology. Statistical surveys in these areas pose particularly difficult problems of concept and definition and the data should, therefore, be regarded as broad estimates rather than precise quantitative statements. Detailed discussions of the scope and limitations of the data appear in the source publications.

Neither the National Aeronautics and Space Administration nor the Atomic Energy Commission publish any statistical reports as such. NASA's *Semiannual Report* contains current data on finances and its biweekly *Satellite Situation Report* presents information on artificial satellites, including both objects in orbit and decayed objects; and its one-page *Space Activities Summary*, issued for each space vehicle it launches, gives data on the launching vehicle, its payload, and its performance. The Atomic Energy Commission's annual and semiannual reports contain data on atomic energy, equipment, finances, and licenses.

Other sources of statistics on scientific and technical activities include *The Budget of the United States Government*, which contains summary financial data on all Federal research and development programs; the report series *Resources for Medical Research*, issued by the Public Health Service of the Department of Health, Education, and Welfare, and designed to present timely information on funds, manpower, facilities, and institutions devoted to medical and health-related research; and the *Annual Report of the Commissioner of Patents*, issued by the Department of Commerce's Patent Office and presenting data on patent applications and issuances and on trademark registrations and renewals.

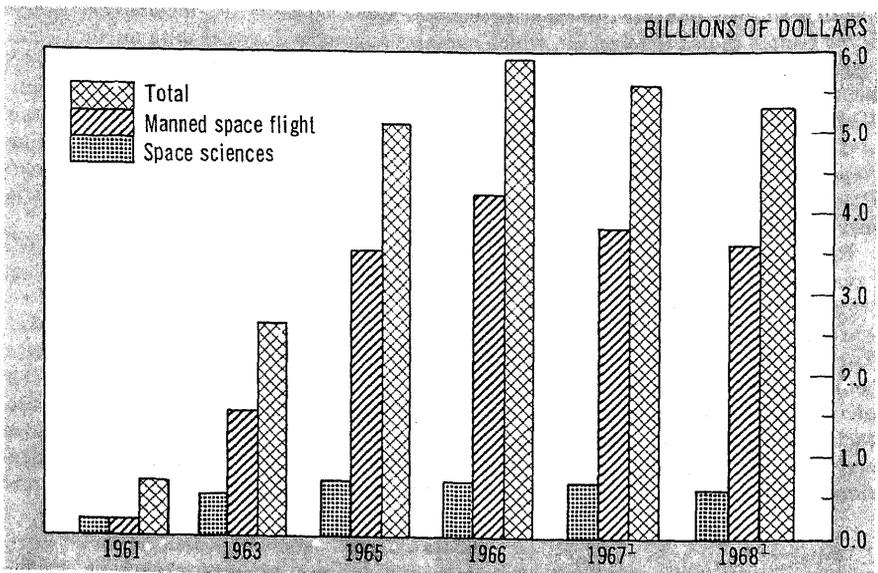
Research and development.—The National Science Foundation defines research as a "systematic and intensive study directed toward a fuller knowledge of the subject studied" and development as "the systematic use of scientific knowledge directed toward the production of useful materials, devices, systems, methods, or processes." The data on funds are presented within the framework of a national economic structure composed of four sectors: (1) The *government sector*, made up primarily of Federal executive agencies; (2) the *industry sector*, consisting of manufacturing and nonmanufacturing firms and the Federal contract research centers they administer; (3) the *colleges and universities sector*, composed of colleges, universities, and their affiliated institutions, agricultural experiment stations and associated schools of agriculture, and

Federal contract research centers administered by educational institutions; and (4) the *other nonprofit institutions sector*, consisting of such organizations as private philanthropic foundations, nonprofit research institutes, voluntary health agencies, and Federal contract research centers administered by nonprofit organizations. Federal contract research centers are research and development organizations which are exclusively or substantially financed by the Federal government and which, in most instances, were originally established to meet a particular R&D need of the Government. They are administered on a contractual basis, by companies, educational institutions, or other nonprofit organizations. The R&D funds reported consist of current operating costs, including those for planning and administration, except as otherwise noted. They exclude funds for routine testing, mapping and surveying, collection of general-purpose data, dissemination of scientific information, and training of scientific manpower.

Scientists, engineers, and technicians.—Scientists and engineers are defined as persons engaged in scientific and engineering work at a level requiring a knowledge of sciences equivalent at least to that acquired through completion of a 4-year college course. They are generally classified according to the fields of their employment and not according to the discipline in which they received their major training. Technicians are defined as persons engaged in technical work at a level requiring knowledge acquired through a technical institute, junior college, or other type of training less extensive than 4-year college training. Craftsmen and skilled workers are excluded. The National Register of Scientific and Technical Personnel is a comprehensive program, conducted by the National Science Foundation, for the voluntary registration of scientists. Because it is voluntary, the Register does not include all scientists in the United States but it does provide valuable statistical information on demographic and other characteristics of scientists not available elsewhere. Coverage is currently being extended to engineers.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

FIG. XXXIV. NASA EXPENDITURES FOR RESEARCH AND DEVELOPMENT: 1961 TO 1968
[See table 796]



¹ Estimated.

No. 771. FUNDS FOR PERFORMANCE OF RESEARCH AND DEVELOPMENT AND BASIC RESEARCH, BY SECTOR, DISTRIBUTED BY SOURCE: 1955 to 1965

[In millions of dollars. The data are primarily on a calendar year basis—data for calendar year 1955 for industry and other nonprofit institutions are combined with Federal and university data for fiscal 1955 (1954-55). The same pattern is followed for subsequent years. Data refer, in general, to the natural sciences including engineering and to the social sciences in all but the industry sector. The major portion of funds excludes capital expenditures for research and development. Expenditures at Federal contract research centers administered by industry and other nonprofit institutions are included in the totals of the respective sectors]

PERFORMANCE SECTOR AND SOURCE OF FUNDS ¹	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965 (prel.)
Total R&D ²	6,270	8,470	9,900	10,850	12,520	13,710	14,500	15,610	17,350	19,180	20,470
Federal Government.....	900	1,040	1,220	1,370	1,640	1,730	1,870	2,100	2,280	2,840	3,090
Federal funds.....	900	1,040	1,220	1,370	1,640	1,730	1,870	2,100	2,280	2,840	3,090
Industry.....	4,640	6,610	7,730	8,390	9,620	10,510	10,910	11,460	12,630	13,510	14,200
Federal funds.....	2,180	3,330	4,330	4,760	5,640	6,080	6,240	6,430	7,270	7,720	7,760
Industry funds.....	2,460	3,280	3,400	3,630	3,980	4,430	4,670	5,030	5,360	5,790	6,440
Universities proper.....	410	480	530	600	680	890	970	1,140	1,360	1,590	1,870
Federal funds.....	170	220	230	260	300	410	500	610	760	910	1,100
Industry funds.....	20	30	30	40	40	40	40	40	40	40	40
College and university funds ³	190	200	230	260	290	330	370	420	490	560	640
Other nonprofit institutions funds ³	30	30	40	40	50	50	60	70	70	80	90
Univ. associated Federal contract research centers ⁴	180	190	240	290	340	360	410	470	530	630	640
Other nonprofit institutions.....	140	150	180	200	240	280	340	440	550	610	670
Federal funds.....	60	60	80	85	115	140	195	275	380	430	480
Industry funds.....	30	30	30	30	35	40	40	45	45	50	50
Other nonprofit institutions funds ³	50	60	70	85	90	100	105	120	125	130	140
Total basic research	608	744	854	975	1,157	1,326	1,540	1,881	2,202	2,566	2,926
Federal Government.....	90	104	122	125	173	160	206	251	299	363	424
Federal funds.....	90	104	122	125	173	160	206	251	299	363	424
Industry.....	189	253	271	305	332	388	407	500	535	564	607
Federal funds.....	(NA)	(NA)	41	53	84	91	93	155	160	180	191
Industry funds.....	(NA)	(NA)	230	252	248	297	314	345	375	384	416
Universities proper.....	237	286	337	390	468	576	701	850	1,036	1,261	1,492
Federal funds.....	103	130	155	178	226	299	382	481	610	767	920
Industry funds.....	16	18	21	24	24	24	25	25	25	25	25
College and university funds ³	99	116	136	159	185	215	250	293	343	402	473
Other nonprofit institutions funds ³	19	22	25	29	33	38	44	51	58	67	74
Univ. associated Federal contract research centers ⁴	40	51	65	78	92	97	115	136	159	191	198
Other nonprofit institutions.....	43	50	59	77	92	105	111	144	173	187	205
Federal funds.....	14	17	21	28	38	44	47	71	95	105	118
Industry funds.....	5	5	5	6	8	10	11	12	14	16	16
Other nonprofit institutions funds ³	24	28	33	43	46	51	53	61	64	66	71

NA Not available. ¹ Data on sources of funds are based on reports by the performers. ² Includes basic research, applied research, and development. ³ Includes State and local government funds received by these institutions and used for research and development. ⁴ Includes estimates for independent nonprofit hospitals and voluntary health agencies. Source: National Science Foundation; *National Patterns of R & D Resources 1955-63—Funds and Manpower in the United States*. (NSF67-7).

No. 772. FUNDS FOR PERFORMANCE OF INDUSTRIAL RESEARCH AND DEVELOPMENT, BY CHARACTER OF WORK, 1961 to 1965, AND BY SELECTED INDUSTRY, 1965

[In millions of dollars. Includes performance of Federal contract research centers administered by industrial firms, classified by industry of the administering company. Excludes performance by certain industry-oriented organizations, such as trade associations, that account annually for less than 1 percent of the total. Excludes funds for R&D capital and the social sciences]

YEAR AND INDUSTRY	Total	RESEARCH			Development
		Total	Basic	Applied	
1961.....	10,908	2,384	407	1,977	8,525
1962.....	11,464	2,949	500	2,449	8,515
1963.....	12,630	2,992	535	2,457	9,638
1964.....	13,512	3,164	564	2,600	10,348
1965.....	14,197	3,280	607	2,673	10,912
Chemical and allied products.....	1,377	706	172	534	672
Petroleum refining and extraction ¹	435	217	53	164	219
Electrical equipment and communication ²	3,167	584	147	437	2,583
Aircraft and missiles.....	5,120	807	68	739	4,314
All other.....	4,098	966	167	799	3,130

¹ Excludes geological and geophysical exploration activities of petroleum companies. ² These 2 industries have been combined because of the similarity of their research and development activities. Source: National Science Foundation; annual report, *Basic Research, Applied Research, and Development in Industry*.

No. 773. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT: 1959 TO 1967

[In millions of dollars. For years ending June 30. Excludes R&D plant. For any given year, obligations differ from expenditures (see table 774) because not all funds are expended during year obligated]

ITEM	1959	1960	1961	1962	1963	1964	1965	1966 est.	1967 est.
Total research and development.....	6, 687	7, 545	9, 052	10, 281	12, 482	14, 212	14, 600	15, 946	15, 943
Basic research.....	517	610	825	1, 106	1, 389	1, 567	1, 690	1, 929	2, 093
Applied research.....	886	1, 331	1, 796	2, 166	2, 652	2, 898	3, 164	3, 533	3, 454
Development.....	5, 285	5, 605	6, 432	7, 008	8, 442	9, 747	9, 746	10, 484	10, 396
Total research.....	1, 403	1, 941	2, 620	3, 273	4, 041	4, 464	4, 854	5, 462	5, 547
Life sciences.....	420	516	635	820	933	1, 060	1, 183	1, 352	1, 427
Psychological sciences.....	24	38	51	57	72	95	103	137	158
Physical sciences.....	895	1, 319	1, 757	2, 143	2, 859	3, 130	3, 370	3, 681	3, 649
Social sciences.....	31	35	45	63	80	102	127	188	222
Other sciences.....	33	33	132	190	197	77	70	104	91

No. 774. FEDERAL EXPENDITURES FOR RESEARCH AND DEVELOPMENT, AND R&D PLANT, BY AGENCY: 1960 TO 1967

[In millions of dollars. For years ending June 30. Includes social science research. Expenditure data in this table differ from those in table 771 because of the difference between Federal fiscal year reports and predominantly calendar year reporting by other sectors. See also *Historical Statistics, Colonial Times to 1957*, series W 79-94]

AGENCY	RESEARCH AND DEVELOPMENT					R&D PLANT				
	1960	1964	1965	1966 est.	1967 est.	1960	1964	1965	1966 est.	1967 est.
Total.....	7, 277	13, 650	13, 790	14, 914	15, 280	461	1, 044	1, 084	1, 049	872
Departments:										
Agriculture.....	121	178	200	238	226	11	4	6	12	20
Commerce.....	30	53	58	70	91	3	31	28	19	12
Defense.....	5, 553	7, 433	6, 628	6, 775	6, 808	101	84	100	75	78
Army.....	1, 066	1, 395	1, 409	1, 461	1, 499	43	19	20	24	17
Navy.....	1, 277	1, 715	1, 397	1, 512	1, 681	24	9	22	11	10
Air Force.....	2, 958	3, 918	3, 360	3, 322	3, 158	20	33	45	35	20
Other.....	252	405	462	480	470	15	23	12	5	5
Health, Educ., and Welfare.....	292	747	631	907	1, 042	32	47	57	79	89
Interior.....	63	92	109	123	131	2	10	10	15	18
Atomic Energy Commission ¹	762	1, 236	1, 241	1, 256	1, 269	224	269	279	261	242
Federal Aviation Agency.....	38	63	94	126	343	3	11	2	8	7
National Aero. and Space Admin.....	330	3, 637	4, 555	5, 097	4, 993	71	534	538	503	307
National Science Foundation.....	51	141	136	164	187	7	49	57	67	91
All other.....	38	69	89	158	190	7	4	8	10	8

¹ Data represent "accrued costs" rather than expenditures.

Source of tables 773 and 774: National Science Foundation; annual report, *Federal Funds for Research, Development, and Other Scientific Activities*.

No. 775. INDUSTRIAL RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION: 1965

[Amounts in millions of dollars. See headnote, table 772. For States in each division, see fig. 1, p. xii]

GEOGRAPHIC DIVISION	TOTAL FUNDS		FEDERAL FUNDS		COMPANY FUNDS	
	Amount	Percent	Amount	Percent	Amount	Percent
United States.....	14, 197	100	7, 759	100	6, 438	100
New England.....	1, 169	8	610	8	560	9
Middle Atlantic.....	3, 242	23	1, 281	17	1, 060	30
East North Central.....	2, 504	18	397	5	2, 106	33
West North Central.....	478	3	241	3	237	4
South Atlantic.....	994	7	683	9	311	5
East South Central.....	414	3	318	4	96	1
West South Central.....	794	6	539	7	255	4
Mountain.....	458	3	350	5	108	2
Pacific.....	4, 144	29	3, 340	43	803	12

Source: National Science Foundation; annual report, *Basic Research, Applied Research, and Development in Industry*.

No. 776. FUNDS FOR PERFORMANCE OF INDUSTRIAL RESEARCH AND DEVELOPMENT, BY INDUSTRY AND SOURCE OF FUNDS: 1960 TO 1965

[In millions of dollars. See headnote, table 772]

INDUSTRY	TOTAL FUNDS ¹					FEDERAL FUNDS					PRIVATE INDUSTRY FUNDS				
	1960	1963	1964	1965	1966	1960	1963	1964	1965	1966	1960	1963	1964	1965	1966
Total	10,509	12,630	13,512	14,197	6,081	7,270	7,720	7,759	4,428	5,360	5,792	6,438			
Food and kindred products.....	104	130	141	160	9	(NA)	1	1	95	(NA)	140	148			
Textiles and apparel.....	38	30	32	34	9	(NA)	(NA)	(NA)	29	28	(NA)	(NA)			
Lumber, wood products, and furniture.....	10	11	12	13	1	(NA)	(NA)	(NA)	9	(NA)	(NA)	(NA)			
Paper and allied products.....	56	69	71	76	(NA)	234	202	190	(NA)	807	1,098	1,187			
Chemicals and allied products.....	980	1,239	1,300	1,377	171	21	72	69	276	296	338	366			
Petroleum refining and extraction ²	296	317	410	435	20	21	25	25	83	111	124	141			
Rubber products.....	121	156	159	166	38	3	4	4	(NA)	97	106	115			
Stone, clay, and glass products.....	88	100	110	119	(NA)	3	4	8	162	174	186	208			
Primary metals.....	177	183	195	216	15	10	19	17	109	129	129	129			
Fabricated metal products.....	145	153	148	145	36	24	263	258	558	709	788	870			
Machinery.....	949	968	1,051	1,129	391	250	263	258	847	1,017	1,093	1,189			
Electrical equipment and communication ³	2,532	2,865	2,952	3,167	1,685	1,849	1,858	1,978	668	799	864	913			
Motor vehicles and other transportation equipment.....	884	1,090	1,176	1,238	216	291	4,610	4,500	364	452	445	620			
Aircraft and missiles.....	3,514	4,712	5,055	5,120	3,150	4,261	94	125	176	202	229	261			
Professional and scientific instruments.....	329	284	324	387	153	81	229	256	105	137	149	169			
Other industries ⁴	287	330	378	426	182	193	229	256	105	137	149	169			

¹ Represents zero. NA Not available.
² Includes basic research, applied research, and development.
³ Excludes geological and geophysical exploration activities of petroleum companies.
⁴ These 2 industries have been combined because of the similarity of their research and development activities.
⁵ Includes data for all other manufacturing and nonmanufacturing industries not specifically listed. Excludes industry data specified as not available.
 Source: National Science Foundation; annual report, *Basic Research, Applied Research, and Development in Industry*.

No. 777. FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES, BY TYPE OF PROGRAM: 1963 TO 1966

[Money figures in millions of dollars. For years ending June 30]

YEAR	FEDERAL OBLIGATIONS		ACADEMIC SCIENCE OBLIGATIONS				NON-SCIENCE ACTIVITIES		
	Total	Percent increase from previous year	Total	Percent of total Federal support	Research and development	Research and development plant	Other science activities	Total	Percent of total Federal support
1963.....	1,396.7	(NA)	1,312.2	93.9	813.2	105.9	393.1	84.5	6.1
1964.....	1,605.9	15.0	1,509.5	94.0	956.0	101.3	452.2	96.4	6.0
1965.....	2,287.0	42.4	1,797.7	78.6	1,076.5	126.2	595.0	489.3	21.4
1966.....	3,017.5	31.9	2,171.1	71.9	1,257.7	114.8	798.6	846.5	28.1

NA Not available.

Source: National Science Foundation; unpublished data.

No. 778. UNIVERSITIES AND COLLEGES WITH SCIENCE AND ENGINEERING PROGRAMS—SELECTED FINANCIAL CHARACTERISTICS: 1964

[Money figures in millions of dollars. Excludes Federal contract research centers managed by universities]

ITEM	Total	Granting graduate degrees ¹			Other
		Total ²	Medical schools	Agri-cultural experiment stations ³	
Number of institutions surveyed.....	1,942	400	89	59	1,542
With separately budgeted research and development.....	636	341	89	59	295
With federally financed research and development.....	561	328	89	59	233
Separately budgeted research and development ⁴	1,272.4	1,259.6	351.1	208.7	12.8
Source of funds:					
Federal Government.....	917.3	907.3	284.0	71.0	10.0
State and local governments.....	173.2	172.7	11.5	117.1	.5
Foundations and health agencies.....	61.4	60.5	29.5	2.8	.9
Industry.....	40.4	39.8	8.0	8.2	.5
Institutions' own funds.....	58.9	58.0	9.4	6.7	.9
Other.....	21.3	21.2	8.6	2.9	.1
Character of work:					
Basic research.....	1,003.0	994.0	300.2	108.8	8.9
Applied research.....	231.9	228.5	45.7	87.5	3.4
Development.....	37.6	37.1	5.2	12.5	.5
Capital expenditures for research, development, and instruction:					
Federal.....	529.5	450.6	105.6	29.4	78.9
Nonfederal.....	134.4	128.5	48.5	7.3	5.9
Current expenditures for instruction and departmental research ⁵	395.1	322.0	57.1	22.1	73.0
	1,553.1	1,275.4	253.0	63.3	277.6

¹ Degrees in sciences and engineering. ² Includes university and college components not shown separately. ³ Includes related colleges of agriculture. ⁴ Excludes unreimbursed indirect costs. ⁵ Excludes indirect costs.

Source: National Science Foundation. Data derived from Survey of Scientific Activities of Institutions of Higher Education, 1963-64.

No. 779. FEDERAL PRIME CONTRACTS AND GRANTS AWARDED FOR RESEARCH AND DEVELOPMENT—STATES: 1965

[Money figures in thousands of dollars. For year ending June 30. Excludes unallocated funds]

STATE	Rank	Amount	STATE	Rank	Amount	STATE	Rank	Amount
U.S.....	(X)	11,358,966	Kentucky.....	40	10,009	North Dakota.....	49	1,943
Alabama.....	15	183,373	Louisiana.....	7	362,709	Ohio.....	13	197,085
Alaska.....	43	6,013	Maine.....	47	3,035	Oklahoma.....	33	24,458
Arizona.....	28	37,685	Maryland.....	5	478,946	Oregon.....	36	19,067
Arkansas.....	44	5,610	Massachusetts.....	3	636,457	Pennsylvania.....	6	427,717
California.....	1	4,085,117	Michigan.....	20	134,459	Rhode Island.....	37	18,755
Colorado.....	14	184,539	Minnesota.....	23	95,968	South Carolina.....	38	14,939
Connecticut.....	17	160,285	Mississippi.....	30	26,546	South Dakota.....	48	2,144
Delaware.....	41	6,766	Missouri.....	11	221,231	Tennessee.....	18	152,539
Florida.....	8	321,195	Montana.....	45	4,324	Texas.....	4	610,267
Georgia.....	27	43,666	Nebraska.....	42	6,423	Utah.....	31	25,501
Hawaii.....	29	34,818	Nevada.....	19	144,287	Vermont.....	46	3,548
Idaho.....	25	60,539	New Hampshire.....	32	25,125	Virginia.....	21	120,935
Illinois.....	16	177,550	New Jersey.....	9	299,228	Washington.....	12	203,231
Indiana.....	24	62,405	New Mexico.....	10	276,275	West Virginia.....	39	13,634
Iowa.....	35	22,630	New York.....	2	1,218,337	Wisconsin.....	22	120,212
Kansas.....	34	24,443	North Carolina.....	26	50,782	Wyoming.....	50	1,756

X Not applicable. ¹ Includes District of Columbia.

Source: National Science Foundation; unpublished data.

No. 780. RESEARCH AND DEVELOPMENT SCIENTISTS AND ENGINEERS—NUMBER AND AVERAGE COST, BY SELECTED INDUSTRY, AND SOURCE OF FUNDS: 1965
 [Covers 200 companies accounting for 93 percent of all Federal funds for industry R&D performance and employing 87 percent of all R&D scientists and engineers on Federal projects in industry]

INDUSTRY	Total	Company	SOURCES OF FEDERAL SUPPORT			
			Total	Department of Defense	National Aeronautics and Space Admin.	All other agencies
Number employed ¹	229,200	86,800	142,400	77,500	49,700	15,200
Aircraft and missiles.....	95,500	16,100	79,300	40,800	35,200	3,400
Electrical equipment and communication.....	66,200	27,000	39,200	23,200	8,800	7,100
Chemicals and allied products.....	17,200	13,200	3,900	1,600	(Z)	2,300
Machinery.....	21,100	14,200	6,800	3,900	2,600	300
Motor vehicles and other transport equipment.....	11,000	6,400	4,700	2,800	1,800	100
Professional and scientific instruments.....	3,100	1,500	1,600	1,100	400	100
Other industries.....	15,200	8,400	6,900	4,200	800	1,800
Average cost (per scientist or engineer) ²	\$46,100	\$38,400	\$50,800	\$45,900	\$59,500	\$47,200
Aircraft and missiles.....	52,800	36,700	56,200	48,700	65,800	45,600
Electrical equipment and communication.....	39,700	32,400	44,800	43,100	46,800	47,700
Chemicals and allied products.....	43,600	43,500	44,000	36,400	31,200	49,400
Machinery.....	37,900	38,700	36,500	35,400	40,200	21,700
Motor vehicles and other transport equipment.....	51,700	55,900	45,900	53,000	35,100	55,200
Professional and scientific instruments.....	35,500	33,500	37,300	28,900	57,400	57,300
Other industries.....	42,900	39,800	46,600	46,700	39,500	49,500

^Z Less than 50. ¹ Arithmetic mean of full-time equivalent of R & D scientists and engineers in Jan. 1965 and Jan. 1966.

² Obtained by dividing total R&D performance funds by number of R&D scientists and engineers.

Source: National Science Foundation; annual report, *Basic Research, Applied Research, and Development in Industry*.

No. 781. SCIENTISTS AND ENGINEERS IN PRIVATE INDUSTRY: 1961 TO 1964

[As of January. Not comparable with survey data published by Dept. of Labor, Bureau of Labor Statistics, for 1962 and prior years. Estimated to nearest hundred]

YEAR AND INDUSTRY	Total	Engineers	Chemists	Physicists	Metalurgists	Earth scientists	Mathematicians	Life scientists	Other scientists ¹
ALL SCIENTISTS AND ENGINEERS									
1961.....	786,900	640,200	71,000	14,000	12,500	12,100	15,400	18,700	3,000
1962.....	823,800	669,700	71,900	14,100	12,000	12,500	18,100	17,900	7,600
1963.....	870,300	711,600	74,300	14,500	11,900	12,400	20,100	20,800	4,800
Total, 1964.....	890,000	724,800	77,100	15,900	12,100	11,900	21,500	21,200	5,500
Ordnance and accessories.....	54,600	47,400	1,200	2,200	500	100	2,300	600	300
Chemicals and allied prod.....	88,400	36,800	36,400	1,300	600	200	1,000	11,000	1,200
Petr. prod. and extraction.....	14,800	9,800	3,900	100	(Z)	800	200	(Z)	(Z)
Primary and fabr. metal prod.....	57,500	45,400	3,700	500	5,700	100	700	200	1,100
Machinery.....	81,800	74,700	1,700	1,300	1,100	100	2,500	200	300
Communication equipment.....	72,700	67,600	700	1,700	200	(Z)	1,800	100	600
Other electrical equipment.....	68,700	63,900	1,700	1,700	500	(Z)	500	(Z)	300
Aircraft and parts.....	80,900	73,900	1,400	1,200	1,000	100	2,700	200	400
Other transp. equip., and mfg.....	87,600	66,000	14,200	700	800	100	1,100	4,100	400
Instruments and related prod.....	31,400	26,700	2,400	1,100	100	500	300	300	100
Mining, transp., and pub. utilities and other nonmfg.....	141,700	121,600	3,500	700	600	8,900	4,400	1,800	300
Services.....	110,000	91,000	6,400	3,400	1,000	900	4,300	2,600	400
R&D SCIENTISTS AND ENGINEERS									
Total, 1964.....	349,300	261,800	45,300	13,500	5,100	1,200	11,600	8,600	2,200
Ordnance and accessories.....	33,200	27,500	900	2,000	400	100	1,600	600	200
Chemicals and allied prod.....	39,200	10,100	22,100	1,000	400	(Z)	300	5,100	400
Petr. prod. and extraction.....	3,800	1,600	1,800	100	(Z)	200	100	(Z)	(Z)
Primary and fabr. metal prod.....	12,300	8,500	1,600	500	1,400	(Z)	200	(Z)	100
Machinery.....	33,000	28,800	1,300	1,000	500	(Z)	1,100	100	200
Communication equipment.....	49,200	45,000	500	1,600	200	(Z)	1,600	100	300
Other electrical equipment.....	31,300	27,700	1,200	1,400	300	(Z)	300	(Z)	200
Aircraft and parts.....	52,800	47,500	1,000	1,100	700	(Z)	2,000	200	300
Other transp. equip., and mfg.....	28,400	17,500	7,800	600	300	(Z)	400	1,300	300
Instruments and related prod.....	14,900	12,000	1,500	900	100	(Z)	200	100	100
Mining, transp., and pub. utilities, and other nonmfg.....	9,000	6,000	1,500	100	100	400	600	200	(Z)
Services.....	42,300	29,600	4,300	3,100	700	400	3,200	800	200

^Z Less than 50. ¹ Excludes psychologists and social scientists; 1961 and 1962 includes some life scientists.

Source: Dept. of Labor, Bureau of Labor Statistics; unpublished data.

No. 782. PROFESSIONAL SCIENTIFIC AND TECHNICAL PERSONNEL IN THE FEDERAL GOVERNMENT, BY OCCUPATIONAL GROUP: 1958 TO 1964

[As of October, except as noted]

OCCUPATIONAL GROUP	1958	1959	1960	1961	1962	1964 ¹
Total	147,143	149,827	155,973	163,427	174,408	189,491
Scientific personnel.....	50,910	51,649	53,264	60,077	61,982	68,122
Physical sciences.....	15,750	16,519	17,984	² 23,573	² 23,043	26,218
Mathematics and statistics ³	4,627	4,471	4,664	4,671	5,163	5,912
Biological sciences.....	21,198	21,446	21,636	22,502	23,666	24,883
Social sciences ⁴	4,469	4,589	4,672	4,919	5,479	5,680
Geography and cartography.....	2,673	2,688	2,300	2,278	2,389	2,949
Psychology.....	1,697	1,672	1,689	1,788	1,815	1,848
Operations research.....	196	264	319	346	427	637
Engineering personnel.....	57,122	57,808	60,978	² 59,974	² 67,500	74,869
Health professional personnel.....	39,111	40,370	41,731	43,376	44,926	46,500
Health officers.....	13,056	13,402	13,728	14,282	14,640	15,210
Other.....	26,055	26,968	28,003	29,094	30,286	31,290

¹ As of December.

² Because of overlapping in job series classifications, several thousand personnel were transferred from engineering to the physical sciences series in 1961; many of them were transferred back to engineering in 1962.

³ Includes actuary, mathematics, statistics, and, beginning 1961, mathematical statisticians.

⁴ Includes social science, economics, history, and the anthropological sciences.

Source: National Science Foundation: 1958 to 1962, *Scientific and Technical Personnel in the Federal Government*; 1964, compiled from data supplied by Civil Service Commission.

No. 783. SCIENTISTS, ENGINEERS, SELECTED HEALTH-RELATED PROFESSIONALS, AND TECHNICIANS EMPLOYED BY STATE GOVERNMENT AGENCIES, BY STATES: 1964

[Not comparable with survey data published by Dept. of Labor, Bureau of Labor Statistics, for 1962. Social scientists, statisticians, and practicing psychologists, reported as scientists in 1964, were not all in 1962. Non-practicing physicians, dentists, psychiatrists, public health specialists, and veterinarians who were counted as scientists in 1962 are reported with selected health-related professionals in 1964]

STATE	Scien- tists	Engi- neers	Health- related profes- sionals	Techni- cians	STATE	Scien- tists	Engi- neers	Health- related profes- sionals	Techni- cians
U.S.	16,686	34,537	36,153	60,232	Missouri.....	267	859	395	1,309
Alabama.....	195	736	490	2,150	Montana.....	115	379	125	691
Alaska.....	178	346	72	342	Nebraska.....	115	229	183	533
Arizona.....	108	132	91	784	Nevada.....	99	236	65	223
Arkansas.....	145	194	327	655	New Hampshire.....	72	343	160	75
California.....	1,651	6,297	2,883	6,250	New Jersey.....	274	1,077	1,164	718
Colorado.....	185	490	256	769	New Mexico.....	156	188	138	568
Connecticut.....	201	620	604	892	New York.....	1,393	2,653	4,938	2,623
Delaware.....	56	77	159	395	North Carolina.....	370	776	545	986
Florida.....	649	777	1,953	2,601	North Dakota.....	88	182	72	270
Georgia.....	301	654	280	1,381	Ohio.....	488	666	978	2,016
Hawaii.....	185	259	383	306	Oklahoma.....	281	120	447	630
Idaho.....	157	113	307	598	Oregon.....	538	782	569	659
Illinois.....	822	1,656	1,403	1,787	Pennsylvania.....	805	1,183	3,616	2,188
Indiana.....	348	624	441	632	Rhode Island.....	97	162	373	299
Iowa.....	191	321	340	1,936	South Carolina.....	191	278	640	902
Kansas.....	283	427	431	1,137	South Dakota.....	93	150	102	107
Kentucky.....	273	702	398	1,595	Tennessee.....	301	394	793	1,777
Louisiana.....	147	493	851	2,217	Texas.....	454	1,362	991	3,893
Maine.....	182	301	211	391	Utah.....	275	353	81	668
Maryland.....	279	448	1,206	1,014	Vermont.....	79	354	117	369
Massachusetts.....	453	1,303	2,191	1,246	Virginia.....	608	828	1,203	2,397
Michigan.....	728	942	821	1,572	Washington.....	445	1,156	404	853
Minnesota.....	320	543	688	1,683	West Virginia.....	180	228	177	525
Mississippi.....	249	251	534	1,217	Wisconsin.....	416	745	484	935
					Wyoming.....	80	258	103	467

Source: Dept. of Labor, Bureau of Labor Statistics; *Scientific and Technical Personnel in State Government Agencies, 1964* (Bulletin No. 1557).

No. 784. SELECTED CHARACTERISTICS OF ENGINEERS, 1964, AND SCIENTISTS, 1966

[See headnote, table 786]

CHARACTERISTIC	ENGINEERS, 1964		SCIENTISTS, 1966		CHARACTERISTIC	ENGINEERS, 1964		SCIENTISTS, 1966	
	Number	Per cent	Number	Per cent		Number	Per cent	Number	Per cent
Total	57,779	100.0	242,763	100.0	Years of professional experience:				
Sex:					1 year or less.....	1,359	2.4	12,967	5.3
Men.....	57,571	99.6	222,599	91.7	2 to 4 years.....	5,787	10.0	36,907	15.2
Women.....	208	0.4	20,164	8.3	5 to 9 years.....	9,565	16.6	48,430	19.9
Highest degree:					10 to 14 years.....	11,431	19.8	39,083	16.1
Ph. D.....	2,905	5.0	90,304	37.2	15 to 19 years.....	8,036	13.9	35,419	14.6
Professional medical.....	16	(Z)	6,436	2.7	20 years or more.....	18,230	31.6	59,022	24.3
Master's.....	9,976	17.3	66,754	27.5	Not reported.....	3,371	5.8	10,935	4.5
Bachelor's.....	36,369	62.9	73,764	30.4	Age:				
Less than a bachelor's.....	3,404	5.9	2,435	1.0	20 to 29 years.....	7,811	13.5	48,026	19.8
Not reported.....	5,109	8.8	3,070	1.3	30 to 39 years.....	18,588	32.2	82,378	33.9
					40 to 49 years.....	17,256	29.9	65,376	26.9
					50 to 59 years.....	9,349	16.2	32,078	13.2
					60 years and over.....	4,674	8.1	14,424	5.9
					Not reported.....	101	0.2	481	0.2

Z Less than 0.05 percent.

Source: National Science Foundation. Data derived from the National Register of Scientific and Technical Personnel, 1966 and National Engineers Register, 1964.

No. 785. SCIENTISTS—NUMBER AND MEDIAN ANNUAL SALARIES, BY TYPE OF EMPLOYER AND WORK ACTIVITY: 1964

[See headnote, table 786. For definition of median, see headnote, table 8]

TYPE OF EMPLOYER	Total	WORK ACTIVITY							Teaching	Production and inspection	Other
		Research and development			Management or administration		Total ¹	R&D			
		Total ¹	Basic research	Applied research	Total ²	R&D					
NUMBER											
All employers	³ 223,854	77,699	35,781	30,280	46,255	24,568	41,209	16,582	26,301		
Educational institutions.....	77,727	26,392	19,894	6,047	5,778	2,793	39,926	249	3,325		
Federal Government.....	23,405	10,242	5,002	4,535	7,442	3,846	203	1,274	3,654		
Other government.....	7,472	2,006	779	1,148	2,528	908	302	601	1,798		
Military.....	5,522	999	531	405	1,854	631	242	180	1,909		
Nonprofit organizations.....	8,722	4,344	2,334	1,739	2,086	1,257	154	245	1,689		
Industry and business.....	84,421	32,741	6,863	15,924	25,563	14,722	170	13,693	10,602		
Self-employed.....	4,277	343	80	194	569	203	34	214	2,865		
Other.....	1,434	478	210	231	347	171	98	98	358		
No report of employer.....	1,257	154	88	57	88	37	80	28	101		
MEDIAN SALARY											
All employers	\$11,000	\$11,000	\$11,000	\$11,000	\$14,500	\$15,500	\$8,900	\$9,800	\$10,500		
Educational institutions.....	9,600	10,200	10,000	10,400	14,000	14,500	8,800	8,700	9,600		
Federal Government.....	11,000	10,600	10,700	10,600	13,000	14,500	10,000	9,500	10,300		
Other government.....	9,000	8,700	9,000	8,500	10,000	10,600	8,500	7,700	8,900		
Nonprofit organizations.....	12,000	11,500	11,000	12,000	15,600	17,000	12,000	10,000	10,000		
Industry and business.....	12,000	11,400	12,300	11,500	15,500	16,000	10,500	10,000	11,000		
Self-employed.....	15,000	15,000	14,700	15,000	15,000	19,000	(B)	12,000	16,000		
Other.....	11,000	10,400	10,000	10,800	13,500	14,500	8,000	9,900	11,000		
No report of employer.....	11,000	10,700	11,700	10,300	14,100	15,000	9,000	(B)	10,000		

B Not computed; base less than 25 registrants reporting salary.

¹ Includes development or design, not separately identified.

² Includes management or administration of activities other than research or development that were not separately identified.

³ Includes 9,617 not employed and 6,191 not reporting work activity.

Source: National Science Foundation; *Summary of American Science Manpower, 1964* (NSF 66-11). derived from the National Register of Scientific and Technical Personnel.

No. 786. SCIENTISTS, BY FIELD OF GREATEST COMPETENCE—STATES AND OTHER AREAS: 1966

[The National Register of Scientific and Technical Personnel does not include all scientists in the United States because reporting is voluntary. See text, p. 536]

STATE OR OTHER AREA	Total ¹	Agricultural sciences	Biological sciences	Psychology	Earth sciences and meteorology	Mathematics and statistics	Physics	Chemistry	Economics	Sociology and anthropology
Total	242,763	10,038	29,633	19,027	26,032	25,848	29,130	65,917	13,150	4,559
Alabama	2,049	181	250	90	129	293	267	529	89	29
Alaska	488	113	57	9	218	21	16	25	11	2
Arizona	1,945	171	240	161	355	209	235	317	94	49
Arkansas	859	153	154	56	89	48	51	188	51	15
California	27,641	859	3,041	2,507	3,126	4,079	4,496	5,689	1,215	457
Colorado	4,170	305	402	281	1,315	366	499	564	118	55
Connecticut	4,393	66	491	366	196	466	680	1,445	236	91
Delaware	2,492	21	113	68	33	69	129	1,610	127	7
District of Columbia	7,625	220	799	531	1,024	1,005	1,009	1,031	1,255	231
Florida	4,109	290	612	419	489	439	442	867	177	76
Georgia	2,630	311	513	229	200	257	190	552	173	57
Hawaii	849	59	163	65	163	79	59	121	45	35
Idaho	911	267	107	53	95	42	96	154	27	6
Illinois	12,695	232	1,632	1,135	810	1,175	1,430	4,131	843	280
Indiana	5,060	145	724	395	239	569	514	1,635	287	98
Iowa	2,633	130	489	313	141	258	292	598	188	63
Kansas	2,208	96	326	266	340	205	169	493	131	37
Kentucky	1,788	102	282	162	133	170	130	510	98	58
Louisiana	3,561	192	360	136	1,280	217	146	814	122	43
Maine	707	95	114	68	67	69	45	137	41	15
Maryland	7,784	188	1,676	466	676	1,135	1,139	1,715	200	89
Massachusetts	10,374	91	1,190	797	729	1,324	2,071	2,738	471	230
Michigan	8,608	334	1,036	799	522	801	803	2,768	505	223
Minnesota	4,177	271	620	425	235	505	333	1,146	235	72
Mississippi	955	159	171	62	192	73	50	136	42	19
Missouri	4,326	157	580	273	398	375	362	1,396	325	84
Montana	942	265	144	31	223	58	30	88	38	14
Nebraska	1,203	104	208	114	191	155	85	184	76	31
Nevada	506	71	41	27	126	34	58	87	23	4
New Hampshire	759	59	125	44	73	81	83	160	61	22
New Jersey	12,200	106	888	673	294	1,099	1,447	5,845	475	80
New Mexico	2,113	154	134	73	350	274	648	310	42	29
New York	26,642	295	3,329	2,971	1,139	3,221	3,547	7,377	1,850	611
North Carolina	3,485	240	646	226	210	368	266	1,049	192	101
North Dakota	522	85	91	33	83	42	20	115	28	5
Ohio	10,850	168	1,092	823	584	831	1,300	4,270	552	189
Oklahoma	3,184	95	259	136	1,164	229	172	719	102	33
Oregon	2,531	660	414	199	233	175	181	388	125	55
Pennsylvania	13,860	273	1,662	1,146	633	1,281	1,641	4,983	689	228
Rhode Island	971	26	110	74	67	79	185	295	44	20
South Carolina	1,318	153	162	63	82	110	121	415	73	18
South Dakota	521	110	94	44	56	47	24	69	34	15
Tennessee	3,421	154	485	213	176	239	510	1,177	150	41
Texas	11,383	285	965	519	3,773	977	966	2,469	390	119
Utah	1,604	171	253	108	298	157	132	291	52	29
Vermont	445	48	86	38	26	44	46	90	31	12
Virginia	4,384	201	461	301	407	753	535	1,017	223	44
Washington	4,270	502	599	330	440	491	503	843	180	86
West Virginia	1,514	105	146	59	113	67	63	682	74	20
Wisconsin	4,376	264	638	364	265	462	472	1,216	243	120
Wyoming	637	130	52	36	280	32	19	76	13	6
Puerto Rico	313	4	37	20	39	18	28	93	29	16
Canal Zone	35	1	8	3	13	2	1	3	-	-
Guam	36	1	1	-	33	-	-	-	-	-
Virgin Islands	9	-	-	2	1	-	1	2	2	-
Foreign	3,642	100	331	225	1,416	274	293	295	253	190

- Represents zero. ¹ Includes linguistics and other fields not shown separately.

Source: National Science Foundation. Data derived from the National Register of Scientific and Technical Personnel.

No. 787. ENROLLMENT FOR ADVANCED DEGREES—SELECTED FIELDS: 1960 TO 1965
[As of fall term]

FIELD	1960	1961	1962	1963	1964	1965
All fields.....	314,349	338,981	373,845	413,366	477,535	535,332
Science fields.....	120,638	128,794	142,433	158,051	177,544	194,530
Agriculture and forestry.....	4,412	4,346	4,995	5,165	5,622	6,428
Biological sciences, incl. general programs.....	15,303	17,100	18,958	21,723	25,165	28,323
Mathematical subjects.....	11,770	12,671	14,121	15,974	18,226	20,198
Physical sciences.....	25,707	26,553	28,591	30,959	34,061	36,506
Engineering.....	36,636	39,367	43,550	48,917	54,318	57,516
Psychology.....	10,677	10,751	11,844	12,627	13,733	15,551
Social sciences ¹	16,133	18,006	20,574	22,686	26,419	30,010
Health fields.....	5,842	6,199	6,586	7,322	8,234	8,909
All other fields.....	187,869	203,988	224,826	247,993	291,757	331,893

¹ Includes anthropology, economics, agricultural economics, sociology, political science, linguistics, and geography.

Source: National Science Foundation. Data from Office of Education; *Enrollment for Advanced Degrees*.

No. 788. SCIENCE DOCTORATES CONFERRED, BY FIELD OF SCIENCE: 1960 TO 1966

FIELD OF SCIENCE	1960	1961	1962	1963	1964	1965	1966
Total.....	6,397	6,876	7,619	8,427	9,471	10,701	11,654
Life sciences.....	1,730	1,782	1,976	2,076	2,363	2,679	2,869
Agricultural and related.....	343	366	387	373	445	480	485
Health sciences.....	69	101	109	107	142	145	175
Anatomy, cytology, and embryology.....	33	46	75	87	105	139	132
Physiology and related fields.....	217	205	258	300	356	403	396
Botany and phytopathology.....	188	188	181	200	205	240	247
Biochemistry.....	259	272	286	300	371	391	446
Microbiology.....	184	176	199	210	194	273	286
Zoology and entomology.....	270	265	289	272	309	360	395
Other life sciences.....	167	163	192	227	236	248	307
Psychology.....	773	820	857	892	1,013	955	1,133
Physical sciences.....	1,861	1,993	2,096	2,428	2,527	2,959	3,029
Physics and astronomy.....	631	597	710	818	864	1,046	1,049
Chemistry.....	1,077	1,150	1,137	1,288	1,351	1,439	1,580
Earth sciences.....	253	246	249	322	312	374	399
Engineering.....	792	940	1,215	1,357	1,662	2,068	2,283
Mathematics.....	291	332	388	484	590	684	766
Social sciences, selected.....	950	1,009	1,087	1,190	1,316	1,456	1,575
Sociology.....	162	167	184	211	201	239	258
Economics.....	352	413	418	450	526	561	622
Political science, pub. admin., int'l relations.....	238	254	278	290	336	391	401
Anthropology and archaeology.....	77	60	88	91	93	92	109
Other selected social sciences ¹	121	115	119	148	160	173	185

¹ Includes area studies, geography, linguistics, and social sciences, general.

Source: National Science Foundation. Data from National Research Council; Doctorate Record File.

No. 789. ENROLLMENT IN SCIENCE AND MATHEMATICS—PUBLIC HIGH SCHOOLS:
1957 TO 1965

[In thousands. Data are for school year ending in year stated. Prior to 1963, excludes Alaska and Hawaii. Based on sample]

COURSE	1957	1959	1963	1965 ¹
Science.....	4,044	4,670	6,020	7,244
General science.....	1,518	1,581	1,827	2,176
Biology.....	1,430	1,677	2,487	2,694
Chemistry.....	520	657	859	1,085
Physics.....	310	379	397	526
Other science.....	266	376	450	763
Mathematics.....	4,401	5,109	6,731	7,496
General mathematics.....	976	1,024	1,213	1,785
Elementary algebra.....	1,518	1,775	2,131	2,260
Plane geometry.....	788	979	1,454	999
Intermediate algebra.....	484	643	1,017	1,004
Trigonometry.....	200	220	204	231
Solid geometry.....	160	106	73	85
Other mathematics.....	275	361	639	1,133

¹ Preliminary.

Source: National Science Foundation. Data from Office of Education: *Offerings and Enrollments in Science and Mathematics in Public High Schools*.

No. 790. ATOMIC ENERGY COMMISSION—LICENSES AND AGREEMENTS: 1955 TO 1966

ITEM	1955	1960	1962	1963	1964	1965	1966 ^a
Licenses in effect:							
Power reactors:							
Construction permits and authorizations.....	-	11	5	4	5	7	11
Licenses to operate and operating authorizations (includes possession only).....	-	3	11	13	15	16	17
Research and test reactors:							
Construction permits.....	4	18	10	11	5	8	9
Licenses to operate (includes possession only) ..	2	47	64	68	73	72	75
Critical experiment facilities:							
Construction permits.....	2	1	1	2	-	-	-
Licenses to operate (includes possession only) ..	-	14	15	15	16	17	16
Production facilities:							
Construction permits.....	-	-	-	1	1	1	-
Licenses to operate (includes possession only) ..	-	-	-	-	-	-	1
Operator licenses (includes senior) ²	3	563	837	1,295	1,554	1,460	1,535
Special nuclear material licenses ³	7	382	454	511	571	583	575
Source material licenses ³	1,763	1,153	460	469	467	440	427
Byproduct material (radioisotope) licenses ³	(X)	8,429	7,910	7,895	8,073	8,454	8,312
Reactor export licenses issued.....	-	3	4	1	7	4	3
Source material export licenses issued.....	715	696	126	127	131	106	127
Organizations with byproduct (radioisotope) licenses ⁴.....							
Medical institutions and physicians.....	3,016	5,940	5,881	5,889	5,871	6,153	5,998
Industrial concerns.....	1,173	2,568	2,278	2,184	2,192	2,169	2,076
Colleges and universities.....	1,266	1,817	1,783	1,825	1,951	2,117	2,207
Federal and State laboratories.....	227	297	314	307	314	313	296
Foundations, institutes, and other.....	258	1,153	1,416	1,437	1,322	1,459	1,325
Access permits in effect.....	92	105	90	86	92	95	94
Effective agreements for foreign cooperation.....	602	1,006	688	596	549	505	435
Research.....	22	54	52	54	55	58	62
Research and power.....	19	27	22	22	22	16	18
Mutual defense.....	3	13	13	14	14	16	15
Other.....	-	9	12	12	12	12	12
	-	5	5	6	7	^b 14	^c 17

- Represents zero. X Not applicable.

¹ Permits authorized construction of 11 reactors in 1955 and 13 in 1966.

² Beginning 1963, each reactor licensee was required to have available a "senior" reactor operator.

³ Beginning 1962, State governments began to take over a part of materials licensing under agreements with the AEC. As of Dec. 31, 1966, 15 such agreement States had issued or assumed control of 5,387 material licenses not reflected in above figures.

⁴ Beginning 1960, includes only parent organizations, which are issued single basic licenses. Subordinate organizations at various locations included for prior years.

⁵ In 1965 and 1966, 9 and 13 of these agreements, respectively, were trilateral, involving the U.S., the International Atomic Energy Agency (IAEA), and a third country and pertain to the application of the IAEA safeguards system to U.S. supplied materials and equipment.

Source: Atomic Energy Commission; *Semiannual Report*, *Annual Report*, and unpublished data.

No. 791. ATOMIC ENERGY COMMISSION—FINANCES AND EMPLOYMENT: 1955 TO 1966

[Money figures in millions of dollars. For years ending June 30]

ITEM	1955	1960	1962	1963	1964	1965	1966
Appropriations received.....							
Operations.....	1,210	2,650	2,547	3,135	2,743	2,625	2,366
Plant and capital equipment.....	1,099	2,387	2,352	2,872	2,343	2,262	2,122
	111	263	195	263	400	363	244
Plant investment, year end.....							
Completed plant.....	6,487	7,345	7,869	8,233	8,578	8,871	9,048
Production plants.....	5,858	7,018	7,365	7,651	8,170	8,470	8,748
Research and development facilities.....	4,646	5,458	5,345	5,447	5,497	5,464	5,446
Other.....	707	1,271	1,714	1,886	2,148	2,370	2,672
Construction in progress.....	505	289	306	318	525	636	630
	629	327	504	582	409	401	300
Cost of operations ¹.....							
Procurement of raw materials.....	1,290	2,619	2,696	2,713	2,739	2,570	2,410
Production of nuclear materials.....	194	717	537	478	326	261	206
Weapons development and fabrication.....	583	731	689	652	636	571	544
Development of nuclear reactors.....	259	505	706	697	805	763	729
Physical research.....	115	399	433	507	561	536	484
Biology and medicine research.....	48	133	172	199	216	237	265
Community operations (net).....	29	49	63	71	77	85	91
Administrative expenses.....	10	7	4	5	5	4	3
Miscellaneous expenses and income (net).....	34	51	61	67	73	80	84
	13	27	31	38	40	33	34
Employment.....							
Federal Government.....	112,618	122,718	126,623	135,278	136,620	133,912	128,206
Contractor operating.....	6,076	6,907	6,863	7,120	7,268	7,329	7,443
Contractor construction and design.....	82,936	104,612	106,394	115,012	117,257	114,783	112,221
	23,606	11,199	13,366	13,146	12,095	11,800	8,542

¹ Includes depreciation.

Source: Atomic Energy Commission; *Financial Report*.

No. 792. ATOMIC ENERGY COMMISSION—SELECTED DATA ON NUCLEAR REACTORS, URANIUM, RADIOISOTOPES, AND HEAVY WATER: 1960 TO 1966

[For years ending June 30, except as noted]

ITEM	1960	1962	1963	1964	1965	1966
NUCLEAR REACTORS						
Development costs ¹.....mil. dol.	399	433	507	561	536	484
Civilian power reactors.....mil. dol.	100	94	88	99	98	120
Military reactors.....mil. dol.	187	130	146	139	116	92
Space propulsion.....mil. dol.	15	43	70	95	93	92
Merchant ship reactors.....mil. dol.	4	9	8	6	3	—
Auxiliary power sources.....mil. dol.	12	54	75	87	86	68
General.....mil. dol.	81	104	121	137	141	112
Electrical generation: ²						
Capacity.....net electrical megawatts..	396	833	1,015	1,105	1,057	1,916
Gross output.....1,000 megawatt hours..	591	2,471	3,807	3,814	4,368	6,583
URANIUM						
AEC procurement:						
Quantity.....tons of U ₃ O ₈ ..	34,582	29,362	26,981	18,655	15,313	12,427
Domestic sources.....tons of U ₃ O ₈ ..	16,587	17,255	15,759	12,584	11,319	10,110
Canadian sources.....tons of U ₃ O ₈ ..	13,443	7,728	7,017	2,239	1,189	718
Overseas sources.....tons of U ₃ O ₈ ..	4,572	4,379	4,205	3,832	2,805	1,599
Cost.....mil. dol.	704	4,537	4,399	3,832	2,805	211
Domestic sources.....mil. dol.	298	283	243	202	182	163
Canadian sources.....mil. dol.	296	154	137	39	21	14
Overseas sources.....mil. dol.	110	100	95	87	62	34
Estimated ore reserves ³.....1,000 tons of contained U ₃ O ₈ ..	238	167	160	152	145	141
Rated ore milling capacity ⁴.....1,000 tons per day..	22	21	18	15	12	13
RADIOISOTOPES⁴						
Sales.....\$1,000..	2,209	1,311	1,192	1,279	1,601	1,971
Exports (domestic) ².....\$1,000..	1,286	1,895	2,548	2,919	6,647	15,641
Imports ².....\$1,000..	1,394	2,159	(N.A.)	1,869	2,816	2,104
HEAVY WATER						
Sales by AEC.....tons..	86	78	38	30	82	96
Value.....\$1,000..	4,867	4,533	1,937	1,558	4,067	4,767

- Represents zero. NA Not available.

¹ Not fully adjusted for reclassification changes between categories.

² Calendar year data. ³ As of December.

⁴ The Oak Ridge National Laboratory is the AEC's principal distributor of radioisotopes. Sales are made also by other AEC laboratories, and by commercial suppliers. Sales figures include AEC sales made to commercial suppliers but not by them, and also sales by ORNL to other AEC organizations. Shipments to foreign countries are comprised of shipments made by AEC laboratories and by commercial suppliers.

⁵ Source: Dept. of Commerce, Bureau of the Census; annual reports, FT 410, *U.S. Exports, Commodity by Country* and FT 125, *U.S. Imports of Merchandise for Consumption*. ⁶ Through 1963, includes stable isotopes.

Source: Atomic Energy Commission; *Semiannual Report, Annual Report*, and unpublished data, except as noted.

No. 793. EMPLOYMENT IN THE ATOMIC ENERGY FIELD, BY OCCUPATION AND SEGMENT: 1966

[As of March. Based on a survey of the atomic energy employment in establishments covering about four-fifths of all workers in the atomic energy field. Excludes persons in uranium mining, in non-AEC owned facilities of educational institutions, and in nuclear facilities construction]

SEGMENT	Total	INDUSTRY		OCCUPATION			
		Gov-ern-ment	Priv-ate	Engi-neers	Scien-tists	Tech-nicians	All other
All activities	133,364	101,377	31,987	19,585	11,735	22,828	79,216
AEC laboratory and research facilities.....	47,207	47,207	—	7,672	7,221	10,288	22,026
Atomic energy defense production.....	29,767	29,338	429	2,685	1,114	3,156	22,812
Reactor and reactor components.....	14,165	2,097	12,068	3,781	820	2,410	7,145
Production of feed materials.....	7,039	6,696	343	500	430	570	5,539
Nuclear instrument manufacturing.....	5,469	1,401	4,068	697	373	1,450	2,949
Nuclear design and engineering.....	4,055	—	2,223	1,459	87	845	1,664
Private research laboratories.....	2,385	1,832	2,385	456	663	786	480
Uranium milling.....	2,054	—	2,054	146	22	129	1,757
Fuel element fabrication and recovery activities.....	1,693	—	1,693	218	58	415	1,002
Production of special materials for reactors.....	1,503	—	1,503	132	50	240	1,081
Particle accelerator manufacturing.....	1,098	—	1,098	187	72	266	573
Power reactor operation and maintenance.....	1,066	250	816	192	10	275	589
Processing and packaging radioisotopes.....	642	—	642	29	189	222	202
Industrial radiographic service.....	534	—	534	44	6	434	50
Radioactive waste disposal.....	58	—	58	4	—	29	25
Miscellaneous.....	14,629	12,556	2,073	1,383	611	1,313	11,322

- Represents zero.

Source: Atomic Energy Commission; *Major Activities in the Atomic Energy Programs*. Data from Dept. of Labor, Bureau of Labor Statistics.

No. 794. PATENTS AND TRADEMARKS: 1941 TO 1966

[Covers patents issued to citizens of United States and residents of foreign countries. For information on copy-rights, see table 751. See also *Historical Statistics, Colonial Times to 1957*, series W 66-75 and W 77-78]

ITEM	1941-45	1946-50	1951-55	1956-60	1961-65	1960	1964	1965	1966
Patent applications filed.	294, 273	400, 342	379, 053	410, 389	463, 193	84, 475	93, 170	100, 421	98, 654
Inventions.....	265, 417	360, 095	351, 649	384, 782	436, 082	79, 590	87, 597	94, 632	93, 482
Designs.....	27, 536	39, 127	25, 951	23, 865	25, 251	4, 525	5, 259	5, 413	4, 863
Botanical plants.....	262	398	467	584	628	131	120	105	87
Reissues.....	1, 058	722	986	1, 158	1, 232	229	194	271	232
Patents issued ¹.....	184, 492	163, 034	208, 964	251, 872	275, 443	49, 986	50, 390	66, 647	71, 887
Inventions ²	164, 860	144, 076	192, 651	237, 469	259, 971	47, 170	47, 376	62, 857	68, 406
Individuals.....	61, 127	58, 957	78, 459	76, 589	69, 945	13, 069	12, 504	16, 063	16, 018
Corporations:									
United States.....	95, 107	78, 376	100, 278	133, 948	152, 537	28, 187	27, 836	37, 158	41, 634
Foreign.....	5, 147	4, 669	10, 537	21, 043	30, 992	4, 670	5, 854	8, 096	9, 222
U.S. Government ⁴	346	1, 761	3, 359	5, 889	6, 497	1, 244	1, 182	1, 540	1, 532
Designs.....	18, 880	18, 016	15, 084	13, 024	13, 862	2, 543	2, 686	3, 424	3, 188
Botanical plants.....	229	334	441	567	576	116	128	120	114
Reissues.....	1, 023	608	788	812	1, 034	157	200	246	179
Certificates of trade-									
marks issued ¹.....	52, 191	85, 611	100, 942	108, 246	106, 635	22, 367	22, 789	21, 666	23, 844
Trademarks.....	34, 435	61, 339	83, 311	90, 727	91, 946	18, 434	20, 087	18, 501	20, 259
Trademark renewals.....	17, 756	24, 272	17, 631	17, 519	14, 689	3, 933	2, 702	3, 165	3, 585

¹ Excludes all registration numbers left blank due to withdrawal of patent or trademark before issue.

² 1942 to 1947, includes patents issued to Alien Property Custodian, and 1947 to 1953, those vested in Attorney General, to whom functions of Alien Property Custodian were transferred.

³ Includes foreign government patents: 147 in 1964, 210 in 1965, and 253 in 1966.

⁴ 1942 to 1947, excludes patents issued to Alien Property Custodian, and 1947 to 1953, those vested in Attorney General.

Source: Dept. of Commerce, Patent Office; unpublished data. Fiscal-year figures are published in the *Annual Report of the Commissioner of Patents*.

No. 795. FEDERAL SPACE PROGRAM—EXPENDITURES, BY AGENCY: 1959 TO 1968

[In millions of dollars. For years ending June 30]

AGENCY	1959	1960	1961	1962	1963	1964	1965	1966	1967 est.	1968 est.
Total.....	434	888	1, 468	2, 387	4, 079	5, 930	6, 886	7, 719	7, 403	7, 230
National Aero. and Space Admin. ¹	59	329	694	1, 226	2, 517	4, 131	5, 035	5, 858	5, 505	5, 190
Department of Defense.....	341	518	710	1, 029	1, 368	1, 564	1, 592	1, 637	1, 680	1, 840
Atomic Energy Commission.....	33	41	64	130	181	220	232	188	183	152
Department of Commerce.....	-	-	-	1	12	12	24	28	30	40
Department of the Interior.....	-	-	-	-	-	-	-	4	4	5
National Science Foundation.....	2	-	-	1	1	3	3	3	2	2

- Represents zero.

¹ Excludes amounts for aircraft technology.

Source: 1959-1965, Report to the Congress from the President of the United States: *United States Aeronautics and Space Activities, 1966*; thereafter, Executive Office of the President, Bureau of the Budget; *The Budget of the United States Government, 1968*.

No. 796. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION—EXPENDITURES FOR RESEARCH AND DEVELOPMENT: 1964 TO 1968

[In millions of dollars. For years ending June 30]

PROGRAM	PERFORMANCE					FACILITIES				
	1964	1965	1966	1967 est.	1968 est.	1964	1965	1966	1967 est.	1968 est.
Total	3,733	4,562	5,361	5,320	5,140	438	531	572	280	160
Manned space flight.....	2,436	3,138	3,819	3,685	3,500	332	401	392	140	75
Space applications.....	111	87	112	110	140	1	2	2	-	-
Space sciences.....	603	639	643	640	590	38	23	22	20	10
Space technology.....	382	431	396	405	415	50	53	40	45	25
Aircraft technology.....	39	58	71	90	100	1	-	4	5	10
Supporting operations.....	162	210	321	390	395	16	51	114	70	40

- Represents zero.

Source: Executive Office of the President, Bureau of the Budget; unpublished data.

No. 797. ORBITAL MANNED SPACECRAFT: 1961 THROUGH APRIL 1967

COUNTRY, VEHICLE, AND ASTRONAUT	Launching date	PAYLOAD		Perigee (miles)	Apogee (miles)	Revolutions ² (number)	Lifetime (hr.: min.)
		Dimensions ¹ (ft.)	Lift-off weight (lb.)				
UNITED STATES							
Mercury Atlas: ³							
VI..... Glenn	2-20-62	9. 5H-6D	* 4,265	100	162.2	3	4:55
VII..... Carpenter	5-24-62	9. 5H-6D	* 4,244	99.9	166.8	3	4:56
VIII..... Schirra	10- 3-62	9. 5H-6D	* 4,325	100	175.8	6	9:13
IX..... Cooper	5-15-63	9. 6H-6D	* 4,000	100.3	165.9	22	34:20
Gemini: ⁵							
III..... Grissom and Young	3-23-65	18. 5H-10D	7,136	95	139	3	4:53
IV..... McDivitt and White	6- 3-65	18. 5H-10D	7,879	100	184	62	97:56
V..... Cooper and Conrad	8-21-65	18. 5H-10D	7,879	100	207	120	190:55
VI..... Schirra and Stafford	12-15-65	18. 5H-10D	7,817	100	193	16	25:51
VII..... Borman and Lovell	12- 4-65	18. 5H-10D	8,076	100	204	206	330:35
VIII..... Armstrong and Scott	3-16-66	18. 5H-10D	(NA)	99	186	6.6	10:42
IX..... Cernan and Stafford	6- 3-66	18. 5H-10D	8,100	100	194	45	72:21
X..... Collins and Young	7-18-66	18. 5H-10D	8,295	100	476	43	70:46
XI..... Conrad and Gordon	9-12-66	18. 5H-10D	8,374	99	853	44	71:17
XII..... Lovell and Aldrin	11-11-66	18. 5H-10D	8,296	96	168	59	99:34
U.S.S.R.							
Vostok:							
Spacecraft I..... Gagarin	4-12-61	20H	10,418	108.8	187.7	1	1:48
II..... Titov	8- 6-61	20H-12-14D	10,430	110.3	115.3	17.5	25:18
III..... Nikolayev	8-11-62	(NA)	10,400	107.4	137.2	64+	94:35
IV..... Popovich	8-12-62	(NA)	10,400	111	158	48+	70:57
V..... Bykovsky	6-14-63	(NA)	10,360	99	120	81	119:06
VI..... Tereshkova	6-16-63	(NA)	10,360	108	135	48	70:50
Voskhod:							
I..... Komarov, Yegorov, and Feoktistov	10-12-64	(NA)	16,000	111	254	16	24:17
II..... Belyayev and Leonov	3-18-65	(NA)	(NA)	107.2	306.9	17	27:02
Soyuz I (Union-J) Komarov ⁶	4-23-67	(NA)	(NA)	122.6	137.9	18	26.45

NA Not available. ¹ H=height; D=diameter.

² A revolution is the distance a spacecraft must travel to return to a specified line of Earth longitude.

³ Vehicle lift-off weight, 260,000 lb.; dimensions, 93H-16D.

⁴ Recovery weight (in pounds): 2,400, 2,480, 2,440, and 2,460, respectively.

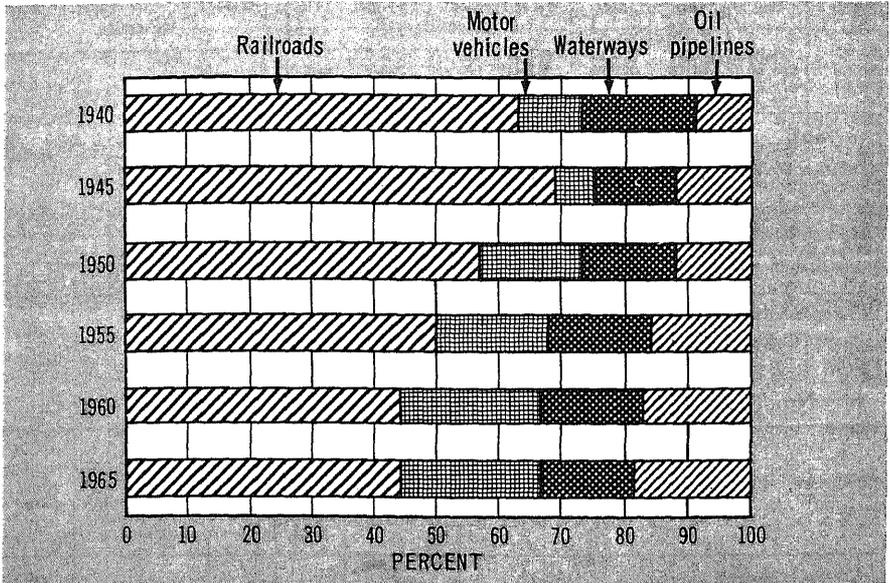
⁵ Vehicle lift-off weight, 340,000 lb.; dimensions, 109H-10D; payload recovery weight, 4,700 lb.

⁶ Cosmonaut was killed when spacecraft crashed when landing.

Source: National Aeronautics and Space Administration; *Space Activities Summary*, various dates. (For U.S.S.R., based on unofficial data from U.S. and Soviet press and radio.)

FIG. XXXV. PERCENT DISTRIBUTION OF TON-MILES OF DOMESTIC INTERCITY FREIGHT TRAFFIC, BY TYPE OF TRANSPORTATION: 1940 TO 1965

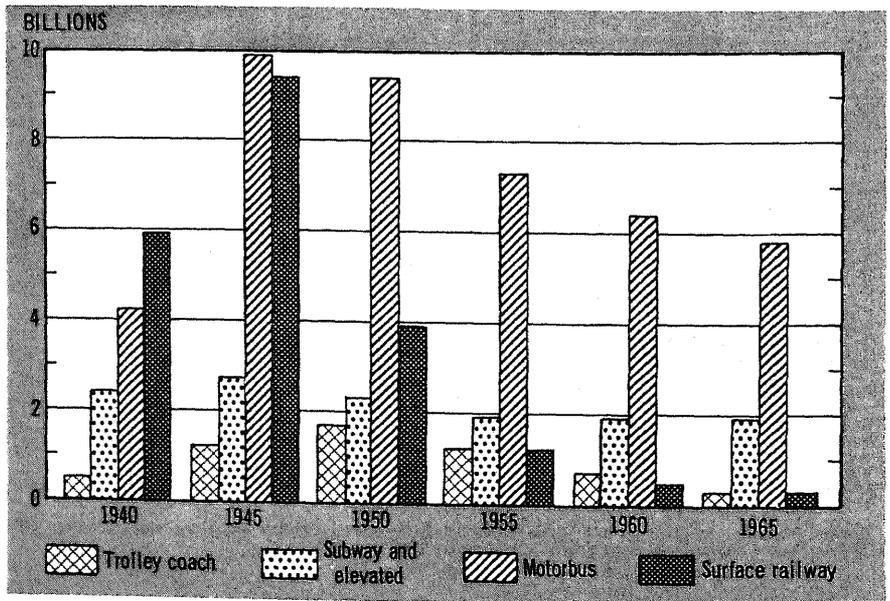
[Airways not shown separately—less than 1 percent. See table 799]



Source: Chart prepared by Dept. of Commerce, Bureau of the Census. Data from Interstate Commerce Commission.

FIG. XXXVI. PASSENGERS CARRIED BY PUBLIC TRANSPORTATION: 1940 TO 1965

[See table 827]



Source: Chart prepared by Dept. of Commerce, Bureau of the Census. Data from American Transit Association, Washington, D.C.

Section 21

Transportation—Land

This section presents statistics relating to the mileage, control, and financing of public roads and to the transportation of persons and goods by land. The modes of transport included are passenger car, truck, railroad, bus and streetcar, and pipeline.

The principal compiler of data on public roads and motor-vehicle registrations is the Bureau of Public Roads, of the Department of Transportation, which, since 1945, has issued the annual *Highway Statistics*. Its *Highway Statistics, Summary to 1965*, presents public roads data carried back for 20 to 65 years. The principal sources of land transport data, other than for public roads and motor-vehicle registrations, are the Interstate Commerce Commission's *Annual Report* and its annual *Transport Statistics in the United States*, Part 1, which contains data on railroads. Other important publications of the Interstate Commerce Commission in the field of land transport include the annual *Statistics of Class I Motor Carriers* (issued as Part 7 of *Transport Statistics*); the annual *Statistics of Oil Pipe-Line Companies* (issued as Part 6 of *Transport Statistics*); the annual *Accident Bulletin*, and, for historical data on railroads, *Statistics of Railways in the United States*, published annually from 1887 through 1953. Another basic source of data is the 1963 *Census of Transportation*. It was conducted by the Bureau of the Census and consisted of 4 parts: *Commodity Transportation Survey*, *Passenger Transportation Survey*, *Truck Inventory and Use Survey*, and *Bus and Truck Carrier Survey*.

Additional governmental sources are the Agriculture Department's Bulletin 1279, *Rural Highway Mileage, Income, and Expenditures, 1921-22*, which contains data for the 1904, 1909, 1914, and 1921 road mileage surveys; and the *Census of Manufactures* and the *Annual Survey of Manufactures* of the Bureau of the Census, which contain statistics on the motor-vehicle and equipment industry. Data from these Bureau of the Census reports are included in section 29, *Manufactures*, of this volume. Non-governmental data can be found in *Cars of Revenue Freight Loaded*, published weekly and annually by the Association of American Railroads, Washington, D.C.; *Bus Facts*, issued annually by the National Association of Motor Bus Owners, Washington; the *Transit Fact Book*, containing street railway and motorbus statistics, published annually by the American Transit Association, Washington; and *Transportation Facts and Trends*, issued by the Transportation Association of America, Washington. Useful annual handbooks in the field of motor-vehicle transport are *Automobile Facts and Figures* and *Motor Truck Facts*, both issued by the Automobile Manufacturers Association, Detroit; *American Trucking Trends*, issued by the American Trucking Association, Washington; and *Accident Facts*, issued by the National Safety Council, Chicago.

Rural and urban roads.—The terms "rural," "urban," and "municipal" are used in different ways in different tables in this section. Because of special problems and purposes, it is not possible to apply identical definitions and groupings to all types of data. Definitions are given in table headnotes where pertinent.

Highway systems.—The Federal-Aid Highway Act of 1916 provides for the sharing of highway construction costs between the States and the Federal Government with the initiative retained by each State for choosing projects and carrying them out. The planning and development of Federal-aid systems began in 1921. Federal funds share with State funds in costs of engineering, construction, and right-of-way acquisition on the designated systems while other charges, such as maintenance and policing, are borne entirely by the States and local agencies.

The Federal-aid primary system connects all of the principal cities, county seats, ports, manufacturing areas, and other traffic generating areas. In general, these are

the same as the main State trunkline roads. The Federal-aid secondary system consists of important feeder roads linking the farms, factories, distribution outlets, and smaller communities with the primary system.

Motor carriers.—Prior to 1950, class I for-hire motor carriers were classified by the Interstate Commerce Commission as those with \$100,000 or more of gross annual operating revenue. Beginning 1950, the class I minimum became \$200,000. Beginning 1957, the class I minimum for motor carriers of property was increased to \$1,000,000; however, the minimum for class I motor carriers of passengers remained at \$200,000.

Railroads.—The total railroad mileage of the United States comprises companies reporting to the Interstate Commerce Commission, grouped as follows: (1) Regular interstate carriers (and their nonoperating subsidiaries); (2) switching and terminal railroads; and (3) private railroads (identified by the Commission as "circular" because they report on brief circulars, or as "unofficial" when their reports are received too late for tabulation). For the most part, circular and unofficial companies, and switching and terminal railroads, are not included in the statistics.

Nonoperating subsidiaries comprise 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 railroads are classified on the basis of operating revenues. Prior to 1956, the classification was as follows: Class I, those having more than \$1,000,000 gross annual operating revenue; class II, from \$100,000 to \$1,000,000; and class III, less than \$100,000. From 1956 to 1964, the following classification was in effect: Class I, \$3,000,000 or more; and class II, under \$3,000,000. Effective January 1965, the classification was changed to the following: Class I, \$5,000,000 or more; and class II, under \$5,000,000.

Historical statistics.—Tabular headnotes provide cross-references, where applicable, to *Historical Statistics of the United States, Colonial Times to 1957*. See preface.

NO. 798. OPERATING REVENUES, BY TRANSPORT AGENCY: 1940 TO 1966

[Excludes Alaska and Hawaii, except as noted]

TRANSPORT AGENCY	1940	1945	1950	1955	1960	1965	1966 (prel.)
REVENUES (mil. dol.)							
Pullman Company	60	148	104	95	56	36	35
Electric railways	53	87	70	60	23	13	14
Railway Express ¹	120	284	223	241	248	316	323
Railroads ^{2,3}	4,459	9,136	9,820	10,495	9,899	10,702	11,163
Waterlines ⁴	113	173	330	452	427	426	460
Pipelines (oil) ⁵	226	304	442	678	770	904	941
Domestic scheduled air carriers ⁶	77	215	558	1,215	2,129	3,809	4,070
Motor carriers of property ³	898	1,840	3,737	5,535	7,214	10,063	(NA)
Motor carriers of passengers ⁷	176	652	539	552	667	885	818
INDEX (1957-59=100)							
Railroads ²	43	88	95	101	96	103	108
Pipelines (oil)	31	41	60	92	104	122	128
Domestic scheduled air carriers ⁶	4	12	32	70	22	207	234
Motor carriers of property ³	14	28	58	85	111	156	(NA)
Motor carriers of passengers	29	107	88	91	109	145	134

NA Not available. ¹ After deducting payments to others for express privileges.

² Includes line-haul and switching and terminal companies. ³ Beginning 1960, includes Alaska and Hawaii.

⁴ Includes only revenues from domestic traffic of carriers under jurisdiction of Interstate Commerce Commission.

⁵ Beginning 1960, includes 1 pipeline operating in Alaska.

⁶ Source: Dept. of Transportation, Federal Aviation Administration; *FAA Statistical Handbook of Aviation*.

Beginning 1955, includes Alaska and Hawaii. Revenues for scheduled passenger cargo operations.

⁷ Excludes motor-carrier revenues of electric railways, included under electric railways.

Source: Interstate Commerce Commission; *Annual Report, Statistics of Class I, II, and III Motor Carriers, 1939-1956* (Statement No. 589), and *Transport Economics*, except as noted.

No. 799. VOLUME OF DOMESTIC INTERCITY FREIGHT TRAFFIC, BY TYPE OF TRANSPORTATION: 1940 TO 1965

[In millions of ton-miles, except percent. Airways, prior to 1959, and other types of transportation, prior to 1960, exclude Alaska and Hawaii, except as noted. A ton-mile is the movement of 1 ton (2,000 pounds) of freight for the distance of 1 mile. Comprises public and private traffic, both revenue and nonrevenue. See also *Historical Statistics, Colonial Times to 1957*, series Q 1-11]

YEAR	Total traffic, volume	RAILROADS ¹		MOTOR VEHICLES		INLAND WATERWAYS ²		OIL PIPELINES		AIRWAYS ³	
		Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total
1940	651,204	411,813	63.24	62,043	9.53	118,057	18.13	59,277	9.10	14	0.002
1945	1,072,490	736,184	68.64	66,948	6.24	142,737	13.31	126,530	11.80	91	0.008
1950	1,094,160	628,463	57.44	172,860	15.80	163,344	14.93	129,175	11.81	318	0.029
1955	1,298,060	654,573	50.43	223,254	17.20	216,508	16.68	203,244	15.66	481	0.037
1956	1,376,320	676,974	49.19	248,846	18.08	219,978	15.98	229,959	16.71	563	0.041
1957	1,354,012	644,746	47.62	254,174	18.77	231,792	17.12	222,728	16.45	572	0.042
1958	1,231,184	574,756	46.65	265,544	20.76	189,016	15.35	211,289	17.16	579	0.047
1959	1,302,570	599,347	46.01	278,984	21.41	196,559	15.09	226,991	17.43	739	0.057
1960	1,329,995	594,855	44.73	285,483	21.46	220,253	16.56	228,626	17.19	778	0.058
1961	1,325,816	585,558	44.17	296,485	22.36	209,706	15.82	233,172	17.59	895	0.068
1962	1,387,228	615,720	44.38	309,407	22.30	223,089	16.03	237,723	17.14	1,289	0.093
1963	1,464,363	643,064	43.90	331,800	22.66	234,172	15.99	253,481	17.31	1,296	0.089
1964	1,549,338	679,171	43.84	349,843	22.58	250,165	16.15	268,655	17.34	1,504	0.097
1965	1,659,682	720,835	43.43	370,788	22.34	256,000	15.42	310,149	18.69	1,910	0.115

¹ Includes electric railways, express, and mail.

² Includes Great Lakes. Includes Alaska for all years and Hawaii beginning 1959.

³ Domestic revenue service only. Includes express, mail, and excess baggage.

⁴ Includes Alaska and Hawaii.

Source: Interstate Commerce Commission; *Annual Report*, Statement No. 6103, *Intercity Ton-Miles, 1939-1959*, April 1961 and *Transport Economics*, January 1966.

No. 800. VOLUME OF DOMESTIC INTERCITY PASSENGER TRAFFIC, BY TYPE OF TRANSPORTATION: 1950 TO 1965

[In millions of passenger-miles, except percent. Airways, prior to 1959, and other types of transportation, prior to 1960, exclude Alaska and Hawaii. A passenger-mile is the movement of 1 passenger for the distance of 1 mile. Comprises public and private traffic, both revenue and nonrevenue]

YEAR	Total traffic, volume	PRIVATE AUTOMOBILES		AIRWAYS ¹		COMMERCIAL MOTOR CARRIERS		RAILROADS ²		INLAND WATERWAYS ³	
		Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total
1950	508,472	438,293	86.20	10,072	1.98	26,436	5.20	32,481	6.39	1,190	0.23
1953	655,338	575,763	87.86	17,430	2.66	28,397	4.33	32,261	4.92	1,487	0.23
1954	673,404	597,054	88.66	19,568	2.91	25,614	3.80	29,467	4.38	1,701	0.25
1955	716,062	637,369	89.01	22,741	3.18	25,619	3.56	28,695	4.01	1,738	0.24
1956	750,361	669,679	89.19	25,523	3.40	25,189	3.35	28,610	3.81	1,860	0.25
1957	748,248	670,484	89.61	28,128	3.76	21,455	2.87	26,251	3.51	1,930	0.26
1958	759,848	684,892	90.14	28,522	3.75	20,756	2.73	23,605	3.11	2,073	0.27
1959	764,735	687,406	89.89	32,566	4.26	20,364	2.66	22,373	2.93	2,026	0.26
1960	784,195	706,079	90.04	33,958	4.33	19,896	2.54	21,574	2.75	2,688	0.34
1961	790,810	713,636	90.24	34,599	4.38	10,703	2.49	20,527	2.60	2,345	0.30
1962	817,701	735,931	90.00	37,574	4.60	21,279	2.60	20,181	2.47	2,736	0.33
1963	851,954	765,877	89.90	42,765	5.02	21,917	2.57	18,632	2.19	2,763	0.32
1964	894,893	801,796	89.59	49,185	5.50	22,700	2.54	18,374	2.05	2,838	0.32
1965	940,112	838,077	89.15	58,083	6.18	23,294	2.48	17,557	1.87	3,101	0.33

¹ Includes domestic commercial revenue service and private pleasure and business flying.

² Includes electric railways.

³ Includes Great Lakes.

Source: Interstate Commerce Commission; *Annual Report*, and *Transport Economics*, February 1966.

No. 801. RURAL AND MUNICIPAL HIGHWAY MILEAGE, BY GOVERNMENTAL CONTROL: 1930 TO 1965

[In thousands. As of December 31. Prior to 1960, excludes Alaska and Hawaii. Municipal roads are those within incorporated places, densely populated New England towns, and certain of the more populous unincorporated areas. All other roads are classed as rural. See *Historical Statistics, Colonial Times to 1957*, series Q 246, and, for similar but not exactly comparable data, series Q 247 and Q 251]

MILEAGE AND CONTROL	1930	1940	1950	1955	1960	1962	1963	1964	1965
Total mileage	(NA)	(NA)	3,313	3,418	3,546	3,600	3,620	3,644	3,690
Rural mileage.....	3,009	2,980	2,990	3,045	3,116	3,145	3,145	3,153	3,183
Under State control.....	324	524	581	619	659	674	678	682	687
Under local control.....	2,685	2,466	2,336	2,333	2,345	2,351	2,346	2,344	2,346
Under Federal control.....										73	93	112	120	121	127	150
Municipal mileage.....	(NA)	(NA)	323	373	430	455	475	491	507
Under State control.....	(NA)	(NA)	27	36	42	50	56	59	65
Under local control.....	(NA)	(NA)	287	331	380	399	416	429	442

NA Not available.

Source: Dept. of Transportation, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 802. HIGHWAY MILEAGE OF RURAL ROADS: 1930 TO 1965

[In thousands. As of December 31. Prior to 1960, excludes Alaska and Hawaii. For definition of rural roads, see headnote, table 801. See *Historical Statistics, Colonial Times to 1957*, series Q 247-250, for similar but not exactly comparable data]

TYPE AND CONTROL	1930	1940	1950	1955	1960	1962	1963	1964	1965
All rural roads	3,009	2,990	2,990	3,045	3,116	3,145	3,146	3,153	3,183
Primary State highways.....	324	329	363	387	403	407	409	411	414
Secondary State highways.....		81	88	91	105	110	111	112	112
County roads under State control.....	-	114	122	131	136	137	136	136	137
County and local roads ¹	2,685	2,466	2,417	2,436	2,472	2,491	2,489	2,494	2,520
Surfaced rural roads	694	1,340	1,679	1,942	2,165	2,229	2,253	2,272	2,302
Primary State highways.....	227	302	351	381	399	402	405	406	410
Secondary State highways.....		65	73	84	100	105	107	108	108
County roads under State control.....	-	55	83	103	111	115	115	116	118
County and local roads ¹	467	918	1,172	1,374	1,555	1,607	1,626	1,642	1,666
Nonsurfaced rural roads ²	2,315	1,650	1,311	1,103	951	916	892	881	881
Primary State highways.....	97	27	12	6	4	5	4	5	4
Secondary State highways.....		16	15	7	5	5	4	4	4
County roads under State control.....	-	59	39	25	25	22	21	20	19
County and local roads ^{1,2}	2,218	1,548	1,245	1,062	917	884	863	852	854

- Represents zero. ¹ Includes mileage in national and State parks, forests, reservations, etc., not included as part of State or local systems. ² Includes mileage not classified by type of surface.

Source: Dept. of Transportation, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 803. HIGHWAY CONSTRUCTION—CONTRACTS AWARDED: 1947 TO 1966

[In millions of dollars. Prior to 1960, excludes Alaska and Hawaii. Covers Federally and State owned highways only; includes force-account construction authorized to start]

OWNERSHIP AND SOURCE OF FUNDS	1947	1950	1955	1960	1962	1963	1964	1965	1966
Total	917	1,528	2,619	4,030	4,336	4,417	4,861	4,933	5,458
Federally owned highways.....	25	36	59	129	95	142	116	130	126
State owned highways.....	892	1,492	2,560	3,901	4,241	4,275	4,745	4,803	5,332
Federally aided projects:									
Total value.....	635	798	1,256	3,097	3,253	3,730	4,055	3,899	4,173
Federal funds.....	329	415	667	2,218	2,506	2,770	3,084	2,979	3,131
Independent State projects:									
Total value.....	257	694	1,304	804	988	546	690	904	1,159
Toll facilities.....	(NA)	228	695	165	326	27	82	49	99

NA Not available.

Source: Dept. of Commerce, Bureau of the Census. In Dept. of Commerce, Business and Defense Services Administration; *Construction Review*.

NO. 804. MUNICIPAL AND RURAL HIGHWAY MILEAGE—STATES: 1965

[As of December 31. For definition of municipal and rural roads, see headnote, table 801. Compiled for latest available year from reports of State authorities and planning survey data]

STATE	Total municipal and rural	Municipal	RURAL					
			Total	Type		Governmental control		
				Surfaced	Nonsurfaced	State ¹	Local	Federal ²
United States	3,689,666	506,446	3,183,220	2,302,119	881,101	3,636,703	2,346,443	150,074
Alabama.....	76,797	10,558	66,239	57,514	8,725	18,242	47,997	-
Alaska.....	6,587	480	6,107	2,467	3,640	4,356	1,655	96
Arizona.....	39,087	5,985	33,702	13,611	20,091	4,987	16,357	12,358
Arkansas.....	79,955	8,027	71,928	45,068	26,860	12,121	57,856	1,951
California.....	164,248	38,946	125,302	76,603	48,699	14,589	79,007	31,706
Colorado.....	80,123	6,060	74,063	40,337	33,726	8,092	65,868	103
Connecticut.....	17,672	12,467	5,205	5,117	88	1,499	3,705	-
Delaware.....	4,791	1,347	3,444	3,433	11	3,444	-	-
Dist. of Columbia.....	1,083	1,083	(X)	(X)	(X)	(X)	(X)	(X)
Florida.....	79,156	18,332	60,824	37,234	23,590	15,471	45,353	-
Georgia.....	96,819	13,612	83,207	51,529	31,678	15,067	68,093	47
Hawaii.....	3,308	876	2,432	2,252	180	1,010	1,331	91
Idaho.....	53,335	2,688	50,647	25,834	24,813	4,667	26,769	19,211
Illinois.....	128,567	26,012	102,555	95,194	7,361	13,064	89,491	-
Indiana.....	103,894	17,641	86,253	80,642	5,611	10,116	76,137	-
Iowa.....	112,273	12,530	99,743	91,346	8,397	9,133	90,610	-
Kansas.....	132,771	9,031	123,740	81,611	42,129	9,985	113,746	9
Kentucky.....	70,145	4,789	65,356	50,331	15,025	21,015	44,077	264
Louisiana.....	49,932	9,375	40,557	35,109	5,448	14,171	26,386	-
Maine.....	21,081	2,448	18,633	16,530	2,103	10,830	7,688	145
Maryland.....	25,199	3,844	21,355	21,287	68	4,930	16,310	115
Massachusetts.....	27,089	19,680	7,409	6,541	868	1,078	6,331	-
Michigan.....	113,198	18,397	94,801	75,958	18,843	7,998	86,803	-
Minnesota.....	125,752	15,524	110,228	97,794	12,434	11,274	97,175	1,779
Mississippi.....	65,292	6,144	59,148	56,079	3,069	9,816	49,140	192
Missouri.....	113,937	14,341	99,596	90,613	8,983	29,899	69,099	598
Montana.....	72,711	2,072	70,639	34,816	35,823	11,422	51,304	7,913
Nebraska.....	103,034	6,031	97,003	61,949	35,054	9,292	37,424	237
Nevada.....	46,680	1,611	45,069	13,075	31,994	6,209	38,859	1
New Hampshire.....	14,459	1,615	12,844	10,123	2,721	3,924	8,834	86
New Jersey.....	32,452	11,358	21,094	18,894	2,200	1,776	19,318	-
New Mexico.....	66,386	3,596	62,790	15,546	47,244	11,487	46,011	5,292
New York.....	103,114	18,276	84,838	75,665	9,173	13,958	70,870	10
North Carolina.....	83,946	12,646	71,300	62,231	9,069	69,717	-	1,583
North Dakota.....	107,112	2,992	104,120	61,974	42,146	6,308	97,269	543
Ohio.....	106,674	22,258	84,416	82,738	1,678	15,988	68,428	-
Oklahoma.....	106,769	11,914	94,855	63,162	31,693	11,488	83,367	-
Oregon.....	83,592	5,566	78,026	46,314	31,712	8,641	34,455	34,930
Pennsylvania.....	111,521	22,603	88,918	69,875	19,043	42,630	45,980	308
Rhode Island.....	4,644	3,825	819	738	81	333	486	-
South Carolina.....	58,420	5,979	52,441	30,453	21,988	28,737	23,704	-
South Dakota.....	85,253	2,855	82,398	53,727	28,671	8,104	72,619	1,675
Tennessee.....	76,437	8,942	67,495	65,747	1,748	8,092	58,462	941
Texas.....	240,527	43,449	197,078	129,838	67,240	57,827	139,251	-
Utah.....	37,748	4,132	33,616	17,126	16,490	5,126	19,855	8,635
Vermont.....	13,781	907	12,874	10,897	1,977	2,190	10,660	24
Virginia.....	58,875	7,525	51,350	50,141	1,209	48,862	740	1,748
Washington.....	71,737	9,397	62,340	49,843	12,497	10,488	39,293	12,559
West Virginia.....	35,131	3,050	32,081	22,110	9,971	31,207	-	874
Wisconsin.....	100,298	13,040	87,258	81,271	5,987	10,600	76,592	66
Wyoming.....	76,274	1,190	75,084	13,832	61,252	5,443	65,707	3,934

- Represents zero. X Not applicable.

¹ Includes 23,457 miles of State park, forest, institutional, and other roads, rural and municipal, that are not part of State or local highway systems. Also includes 3,963 miles of toll roads, bridges, tunnels, etc.² Comprises mileage of roads not forming a part of State or local highway systems.³ Includes mileage of county roads under State control in Alabama (3 counties), Delaware, Nevada, North Carolina, Virginia (all but 2 counties), and West Virginia; farm-to-market system in Louisiana; and the State-aid system in Maine.Source: Dept. of Transportation, Bureau of Public Roads; annual report, *Highway Statistics, 1965*.

No. 805. MILEAGE AND COST OF DESIGNATED FEDERAL-AID HIGHWAY SYSTEMS:
1917 TO 1966

[Prior to 1959, excludes Alaska; includes Puerto Rico. See also *Historical Statistics, Colonial Times to 1957*, series Q 261-264]

PERIOD OR YEAR	MILES OF HIGHWAY (1,000)		COST ³ (mil. dol.)			YEAR	MILES OF HIGHWAY (1,000)		COST ³ (mil. dol.)		
	Total exist- ent ¹	Com- pleted during year ²	Total	Federal funds	State funds		Total exist- ent ¹	Com- pleted during year ²	Total	Federal funds	State funds
1917-1921..	(NA)	13	222	95	127	1959.....	854	33	3,709	2,518	1,191
1925.....	179	11	221	100	121	1960.....	877	21	3,264	2,273	992
1930.....	193	10	237	100	137	1961.....	880	21	3,265	2,339	925
1935.....	214	13	242	218	24	1962.....	887	21	3,423	2,437	986
1940.....	234	12	269	150	119	1963.....	892	20	3,790	2,767	1,023
1945.....	233	3	101	76	25	1964.....	901	19	4,560	3,385	1,175
1950.....	641	20	753	390	364	1965.....	909	17	4,569	3,430	1,139
1955.....	742	23	1,287	666	621	1966.....	(NA)	16	5,362	4,151	1,211

NA Not available.

¹ Through 1945, total existing mileage of Federal-aid primary system; beginning 1950, includes secondary system. Through 1955, data as of June 30; thereafter, as of Dec. 31.

² Comprises construction and reconstruction mileage.

³ Represents actual expenditures of funds on calendar-year basis. Beginning 1935, includes money spent on public works and defense highways. Beginning 1940, includes secondary highways.

Source: Dept. of Transportation, Bureau of Public Roads; annual reports, *Highway Statistics and Highway Progress, 1966*, and releases.

No. 806. FEDERAL-AID PAYMENTS TO STATE AND LOCAL GOVERNMENTS FOR HIGHWAY
CONSTRUCTION—STATES AND PUERTO RICO: 1960 TO 1966

[In millions of dollars. For years ending June 30]

STATE OR OTHER AREA	1960	1964	1965	1966	STATE OR OTHER AREA	1960	1964	1965	1966
Total...	2,941.7	3,644.2	4,017.7	3,975.2	Mo.....	76.2	86.6	113.9	123.9
U.S.....	2,942.8	3,631.6	3,993.2	3,914.3	Mont.....	30.7	52.0	59.1	51.6
Ala.....	50.9	49.4	90.5	93.2	Nebr.....	27.2	39.2	37.3	36.1
Alaska.....	18.1	48.0	53.3	45.0	Nev.....	10.1	32.3	41.5	35.4
Ariz.....	30.6	41.9	66.3	65.9	N.H.....	19.7	18.2	16.1	17.7
Ark.....	31.9	49.2	38.8	52.5	N.J.....	52.1	65.5	65.1	64.8
Calif.....	171.8	300.3	324.3	343.0	N.Mex.....	25.6	36.8	47.8	62.4
Colo.....	36.0	44.0	60.6	54.4	N.Y.....	217.2	175.9	197.5	177.9
Conn.....	28.7	53.4	48.4	51.8	N.C.....	69.4	47.2	51.1	54.6
Del.....	8.2	9.9	16.7	20.4	N.Dak.....	32.7	30.2	31.1	23.4
D.C.....	16.1	33.8	26.4	20.1	Ohio.....	158.9	222.6	185.8	212.6
Fla.....	74.5	93.0	87.6	85.3	Okla.....	33.2	48.4	57.5	48.7
Ga.....	60.6	86.9	81.1	79.8	Oreg.....	54.2	78.2	76.8	76.2
Hawaii.....	4.3	8.7	9.7	18.8	Pa.....	116.5	146.7	141.9	193.4
Idaho.....	25.7	25.3	39.6	31.5	R.I.....	12.5	17.9	24.8	13.6
Ill.....	200.1	195.5	209.0	140.3	S.C.....	46.8	32.3	34.7	39.7
Ind.....	74.4	84.3	92.9	89.7	S.Dak.....	26.1	32.0	45.2	32.6
Iowa.....	67.7	53.6	53.4	56.1	Tenn.....	66.9	98.7	107.7	102.7
Kans.....	51.3	44.4	50.8	47.4	Tex.....	197.7	180.0	216.3	183.0
Ky.....	66.0	76.6	60.1	67.8	Utah.....	33.5	42.7	60.9	56.5
La.....	69.8	96.8	102.9	78.0	Vt.....	16.6	20.3	24.7	29.4
Maine.....	19.9	24.0	23.8	26.6	Va.....	53.4	114.5	163.4	149.0
Md.....	27.3	40.2	49.7	36.8	Wash.....	44.1	71.3	75.2	94.0
Mass.....	66.8	71.1	77.6	71.9	W.Va.....	46.8	26.8	55.8	68.9
Mich.....	96.4	161.3	132.8	143.5	Wis.....	61.4	59.4	53.7	48.3
Minn.....	64.9	84.7	105.0	101.6	Wyo.....	26.1	36.5	48.3	38.3
Miss.....	36.2	45.1	57.8	53.1	P.R.....	7.3	6.7	6.9	8.6
					Undist. to States, etc..	8.4	5.9	17.3	52.3

¹ Includes \$0.4 million for "Control of Outdoor Advertising."

² Includes \$8.9 million for Appalachian highways, \$1.1 million for control of outdoor advertising and junkyards, and \$1.4 million for landscaping and scenic enhancement.

³ Deduct.

Source: Treasury Dept.; *Annual Report of the Secretary*.

No. 807. DESIGNATED FEDERAL-AID HIGHWAY SYSTEMS, 1965, AND PROJECTS, 1966—STATES AND PUERTO RICO

[Money figures in millions of dollars. Systems as of December 31, and projects as of June 30. Projects comprise those financed from the Federal-aid primary, secondary, urban, and interstate funds. See text, pp. 551 and 552]

STAT. OR OTHER AREA	SYSTEMS (miles), 1965				PROJECTS, 1966 ¹					
	Primary			Secondary	Completed during fiscal year			Under construction		
	Total	National system of interstate highways			Miles	Total cost	Federal funds	Miles	Total cost	Federal funds
		Total	Open to traffic							
Total	268,898	240,931	21,185	639,824	16,388	5,002.3	3,829.6	25,440	12,274.9	9,640.9
United States	268,361	240,931	21,185	638,593	16,378	4,986.5	3,822.0	25,381	12,239.8	9,623.7
Alabama.....	6,012	874	346	25,148	535	79.9	60.1	554	265.9	241.4
Alaska.....	3,285	-	-	2,261	243	56.8	52.9	443	89.3	84.7
Arizona.....	3,450	1,167	645	4,004	364	88.8	77.5	352	109.6	99.1
Arkansas.....	4,112	520	178	13,829	462	97.6	77.0	634	121.4	93.1
California.....	9,713	2,165	993	12,995	378	330.7	254.6	602	1,398.1	1,122.9
Colorado.....	4,568	946	492	4,188	399	92.1	71.8	321	85.0	69.4
Connecticut.....	1,283	296	234	1,245	54	118.8	89.8	16	163.0	128.8
Delaware.....	660	41	17	1,476	32	15.8	10.3	104	81.8	65.0
Dist. of Columbia.....	167	29	10	126	12	47.0	37.6	4	61.8	31.4
Florida.....	5,476	1,151	472	15,056	290	97.0	73.0	374	181.1	141.1
Georgia.....	9,066	1,105	477	19,985	280	64.3	47.2	1,152	421.7	326.5
Hawaii.....	612	49	4	654	34	31.1	19.7	22	59.1	48.3
Idaho.....	3,291	609	327	5,670	237	81.5	24.5	217	73.3	60.8
Illinois.....	11,458	1,632	887	14,508	433	226.6	176.1	584	423.1	334.5
Indiana.....	6,053	1,116	556	18,749	118	73.8	55.3	334	309.2	236.4
Iowa.....	10,096	709	377	33,427	453	52.8	37.1	1,449	183.4	140.3
Kansas.....	7,746	799	585	24,336	170	30.8	17.6	1,360	140.2	98.2
Kentucky.....	4,582	733	304	15,223	543	61.9	44.9	2,203	219.6	176.3
Louisiana.....	3,308	667	216	8,875	170	118.8	97.6	424	409.4	334.5
Maine.....	1,969	312	190	2,612	120	24.6	17.7	187	51.1	37.4
Maryland.....	2,477	355	251	7,659	151	59.6	45.6	245	156.4	119.6
Massachusetts.....	2,864	456	316	2,283	74	104.5	84.3	117	306.5	243.7
Michigan.....	7,039	1,082	789	26,604	660	99.2	67.9	984	477.9	366.9
Minnesota.....	8,524	901	277	30,775	739	129.2	103.1	1,462	366.3	293.7
Mississippi.....	5,866	678	282	16,496	581	72.1	53.5	833	161.6	123.9
Missouri.....	8,889	1,120	706	23,163	359	170.8	132.7	317	298.2	235.5
Montana.....	6,474	1,177	408	5,702	261	46.5	34.6	547	153.9	126.1
Nebraska.....	5,905	478	241	17,825	627	61.3	42.6	760	86.6	63.3
Nevada.....	2,287	535	253	3,349	119	23.2	21.8	198	94.1	88.3
New Hampshire.....	1,256	214	136	1,678	36	18.9	12.4	57	38.5	29.7
New Jersey.....	2,189	373	152	2,222	40	64.5	53.1	102	456.0	349.5
New Mexico.....	4,096	1,003	517	5,759	362	60.3	60.2	260	99.5	86.1
New York.....	12,719	1,234	909	19,347	309	350.3	267.0	423	622.3	441.2
North Carolina.....	4,760	769	395	29,403	261	49.4	20.1	443	225.5	154.9
North Dakota.....	4,660	571	326	13,260	519	26.8	18.6	1,225	62.9	46.1
Ohio.....	8,144	1,526	948	21,264	451	506.8	402.2	424	530.9	424.4
Oklahoma.....	8,128	796	547	13,786	496	56.5	37.4	483	139.7	108.6
Oregon.....	4,074	731	588	8,171	163	85.7	63.6	179	176.2	144.0
Pennsylvania.....	8,499	1,585	927	13,469	201	187.4	143.1	420	610.3	471.6
Rhode Island.....	442	71	33	534	20	67.5	61.0	26	39.6	25.0
South Carolina.....	5,295	679	346	20,057	585	41.1	25.5	1,350	112.6	80.3
South Dakota.....	6,020	679	334	12,931	626	41.4	27.6	747	58.1	45.2
Tennessee.....	6,772	1,049	408	11,786	595	126.4	100.7	744	347.5	271.3
Texas.....	17,590	3,024	1,607	37,968	1,239	235.0	180.4	1,717	447.7	351.3
Utah.....	2,367	934	187	3,956	173	46.2	40.1	142	110.3	101.7
Vermont.....	1,675	320	109	1,886	103	44.5	37.1	100	57.5	45.7
Virginia.....	5,696	1,059	495	18,736	409	164.9	130.4	436	436.0	364.3
Washington.....	3,959	725	382	11,789	307	147.4	111.2	322	177.9	141.3
West Virginia.....	2,482	516	189	10,895	32	65.3	53.3	224	305.2	235.5
Wisconsin.....	6,365	459	307	19,116	331	48.2	32.6	540	141.6	99.0
Wyoming.....	3,941	912	505	2,557	222	44.9	37.0	238	65.4	55.9
Puerto Rico.....	537	-	-	1,131	10	15.8	7.6	59	35.1	17.2

- Represents zero.

¹ Excludes highway planning and research work financed with 1½ percent Federal-aid highway funds available pursuant to 23 U.S.C. 307(c)(2). (Completed, \$50.4 million total cost, \$37.5 million Federal funds; underway, \$167.3 million total cost, \$126.9 million Federal funds.)

² Full authorization 41,000 miles. The 69 mile difference between full authorization and miles reported includes routes for which final locations not yet determined.

Source: Dept. of Transportation, Bureau of Public Roads; annual report, *Supplement to Highways & Human Values*, 1966.

No. 808. DISBURSEMENTS OF STATE HIGHWAY FUNDS—STATES: 1940 TO 1965

[In millions of dollars. Comprises 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. Includes transactions by State toll authorities. Beginning 1965, excludes amounts allocated for collection and nonhighway purposes, and bonds redeemed by refunding]

STATE	1940	1945	1950	1955	1960	1962	1963	1964	1965
United States ¹	1,678	1,302	3,562	6,034	8,957	10,451	11,248	12,018	11,465
Alabama.....	28	26	49	87	174	149	162	214	228
Alaska.....	(NA)	(NA)	(NA)	(NA)	19	34	49	70	71
Arizona.....	9	6	20	33	72	93	95	101	106
Arkansas.....	18	15	46	55	95	108	128	110	119
California.....	99	138	268	558	786	1,010	1,047	1,242	1,110
Colorado.....	15	12	38	56	91	96	108	128	129
Connecticut.....	23	15	38	79	161	184	207	212	218
Delaware.....	4	3	32	26	36	51	68	85	87
Dist. of Columbia.....	7	4	11	24	48	59	53	59	42
Florida.....	39	36	93	152	316	375	374	406	316
Georgia.....	39	24	74	109	167	238	239	217	208
Hawaii.....	(NA)	(NA)	(NA)	(NA)	23	27	25	31	35
Idaho.....	8	6	19	27	44	55	54	57	66
Illinois.....	71	53	113	229	475	443	476	571	471
Indiana.....	40	35	69	200	241	235	253	300	286
Iowa.....	33	23	79	109	169	157	189	190	163
Kansas.....	21	16	50	110	109	110	124	141	134
Kentucky.....	26	20	67	102	138	249	280	225	223
Louisiana.....	30	22	71	115	204	215	257	257	240
Maine.....	14	10	24	65	62	67	72	73	80
Maryland.....	27	19	84	138	166	218	228	231	217
Massachusetts.....	38	21	98	203	237	270	283	357	284
Michigan.....	67	50	106	249	418	463	441	411	427
Minnesota.....	31	23	65	101	167	162	185	223	230
Mississippi.....	31	23	42	75	110	117	139	146	160
Missouri.....	28	21	53	105	165	192	234	254	241
Montana.....	12	7	22	30	54	65	81	86	86
Nebraska.....	20	16	36	59	95	99	106	105	97
Nevada.....	4	2	9	15	22	35	45	65	58
New Hampshire.....	8	7	14	30	50	48	51	51	51
New Jersey.....	53	46	188	303	221	338	388	416	261
New Mexico.....	13	8	26	39	64	66	82	82	101
New York.....	199	114	304	471	652	820	793	734	752
North Carolina.....	40	29	136	141	179	210	202	205	219
North Dakota.....	7	6	22	28	50	42	60	65	51
Ohio.....	93	76	147	383	523	600	600	603	661
Oklahoma.....	24	24	73	113	134	165	204	200	179
Oregon.....	18	14	50	79	113	139	161	179	185
Pennsylvania.....	128	73	279	350	423	557	555	625	667
Rhode Island.....	8	6	14	30	42	45	55	64	62
South Carolina.....	23	22	46	57	109	95	101	105	114
South Dakota.....	9	6	20	34	57	60	75	90	68
Tennessee.....	34	32	79	108	187	211	244	259	238
Texas.....	80	67	173	282	493	510	563	601	513
Utah.....	6	6	15	23	49	63	71	89	80
Vermont.....	8	4	10	17	43	50	47	47	53
Virginia.....	28	29	76	112	211	287	334	335	353
Washington.....	40	29	78	127	171	220	282	248	235
West Virginia.....	26	27	51	64	110	99	109	136	169
Wisconsin.....	41	28	68	109	171	192	212	188	189
Wyoming.....	6	3	14	22	44	54	57	71	65

NA. Not available.

¹ Prior to 1960, excludes Alaska and Hawaii.

Source: Dept. of Transportation, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 809. STATE HIGHWAY FUNDS AVAILABLE, BY SOURCE, AND DISBURSEMENTS, BY PURPOSE—STATES: 1965

[In millions of dollars. Comprises 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 departments, which were reported as being applied to highway purposes. Includes transactions of interstate departments, which authorities that are operated by State or quasi-State agencies. Excludes amounts allocated for collection and nonhighway purposes, and bonds redeemed by refunding. See also *Historical Statistics, Colonial Times to 1957*, series Q 266-278]

STATE	FUNDS AVAILABLE					DISBURSEMENTS				
	Total	Motor-vehicle fees, motor-fuel and motor-carrier taxes	Federal funds	Income from issue of bonds	All other sources ¹	Total	For State-administered highways			For county and local roads and streets ⁴
							Capital outlay, roads and bridges ²	Maintenance and traffic services ²	Other ³	
United States....	14, 800	6, 068	3, 863	587	4, 282	11, 465	6, 458	1, 310	1, 660	2, 037
Alabama.....	259	101	85	50	23	228	119	22	25	62
Alaska.....	99	9	53	-	37	71	55	9	6	1
Arizona.....	127	54	58	-	15	106	66	9	11	20
Arkansas.....	148	75	42	-	31	119	54	20	17	18
California.....	1, 271	724	310	-	237	1, 110	669	63	107	271
Colorado.....	164	67	59	-	38	129	80	13	12	24
Connecticut.....	311	82	44	48	137	216	130	22	53	11
Delaware.....	186	21	20	16	129	87	53	10	22	11
Dist. of Columbia.....	43	15	21	4	3	42	(X)	(X)	(X)	42
Florida.....	682	162	85	38	397	316	219	30	51	16
Georgia.....	326	114	86	-	126	208	113	18	21	56
Hawaii.....	45	15	13	5	12	35	19	4	5	7
Idaho.....	70	29	34	-	7	66	41	7	6	12
Illinois.....	651	297	137	-	217	471	203	54	67	147
Indiana.....	349	184	78	5	82	286	111	34	40	101
Iowa.....	237	130	49	-	53	193	87	18	11	77
Kansas.....	179	73	49	-	57	134	75	23	18	18
Kentucky.....	348	107	66	-	175	223	132	32	43	16
Louisiana.....	332	92	95	-	145	240	145	28	38	34
Maine.....	103	37	28	-	38	80	42	17	18	3
Maryland.....	292	135	36	23	98	217	88	16	59	54
Massachusetts.....	399	125	86	30	158	284	128	35	95	26
Michigan.....	576	260	144	-	172	427	173	33	84	137
Minnesota.....	336	127	101	3	105	230	140	28	13	49
Mississippi.....	193	71	66	13	43	160	79	11	20	50
Missouri.....	283	137	94	-	52	241	163	39	21	18
Montana.....	94	29	55	-	10	86	69	8	5	4
Nebraska.....	96	62	35	-	-1	97	47	11	7	32
Nevada.....	67	20	39	-	8	56	43	5	6	4
New Hampshire.....	58	25	16	10	7	61	27	11	11	2
New Jersey.....	416	125	62	-	229	291	156	37	77	21
New Mexico.....	106	39	58	2	7	101	76	13	8	4
New York.....	958	315	197	72	374	752	402	102	142	106
North Carolina.....	308	171	57	-	80	219	114	58	38	9
North Dakota.....	62	26	25	-	11	51	28	5	4	14
Ohio.....	815	371	198	90	156	661	361	44	99	157
Oklahoma.....	230	96	54	-	80	179	92	19	21	47
Oregon.....	223	81	98	-	44	185	84	36	22	43
Pennsylvania.....	740	351	161	15	219	667	356	109	146	56
Rhode Island.....	76	25	21	8	22	62	46	7	8	1
South Carolina.....	153	74	39	(Z)	40	114	72	19	14	9
South Dakota.....	73	31	33	-	9	68	45	6	6	11
Tennessee.....	258	128	98	13	19	238	143	15	15	65
Texas.....	673	318	200	34	121	513	366	77	33	37
Utah.....	97	30	60	-	7	89	69	8	7	5
Vermont.....	52	21	29	6	-4	53	33	7	7	6
Virginia.....	458	158	146	34	120	353	242	46	50	15
Washington.....	263	115	78	11	59	235	132	25	31	47
West Virginia.....	206	70	67	57	12	169	122	24	23	65
Wisconsin.....	216	127	50	-	39	189	89	23	12	6
Wyoming.....	87	17	48	-	22	65	50	5	5	5

- Represents zero. X Not applicable. Z Less than \$500,000.

¹ Balances from 1964, totaling \$3,242 million, and other current revenues, totaling \$1,040 million.

² Includes some administration, engineering, and miscellaneous disbursements.

³ Includes disbursements of \$482 million for administration and miscellaneous, \$363 million for highway law enforcement, \$369 million for bond interest, and \$446 million for bond redemption.

⁴ Expenditures on county roads under State control in Ala. (8 counties), Del., N.C., Va. (all except 2 counties), and W. Va. included with those for State-administered highways.

Source: Dept. of Transportation, Bureau of Public Roads; annual report, *Highway Statistics, 1965*.

No. 810. FEDERAL AND STATE MOTOR-FUEL TAX—STATES: 1940 TO 1966
(Cents per gallon. Where 2 figures appear in a cell, the former is tax in effect at beginning of year, the latter is tax at end of year. See also *Historical Statistics, Colonial Times to 1957*, series Q 328-329)

STATE	1940	1950	1960	1965	1966 ¹	STATE	1940	1950	1960	1965	1966 ¹
Federal tax.....	1-1.5	1.5	4	4	4	Mississippi.....	6	6-7	4 7	4 7	4 7
State average ²	3.36	4.65	5.94	6.41	6.42	Missouri.....	2	2	3	5	5
Alabama.....	6	6	7	7	7	Montana.....	5	6	4 6	4 6	4 6
Alaska.....	(3)	(3)	5-7	8	8	Nebraska.....	5	6-5	7	7-7.5	7.5
Arizona.....	5	5	5	6-7	7	Nevada.....	4	4.5	6	6 6	6 6
Arkansas.....	6.5	6.5	6.5	4 6.5-	4 7.5	New Hampshire.....	4	4	7	7	7
				7.5		New Jersey.....	3	3	5	6	6
California.....	3	4.5	4 6	7-8-7	4 7	New Mexico.....	5	7	6	6	6
Colorado.....	4	6	6	6-7	7-6	New York.....	4	4	4 6	4 6	4 6
Connecticut.....	3	4	6	6	6	North Carolina.....	6	7	7	7	7
Delaware.....	4	5	5	6-7	7	North Dakota.....	4	4	6	6	6
Dist. of Col.....	2	4	6	6	6	Ohio.....	4	4	7	7	7
Florida.....	7	7	7	7	7	Oklahoma.....	4	6.5	6.5	6.5	6.5
Georgia.....	6	7	6.5	6.5	6.5	Oregon.....	5	6	6	6	6
Hawaii.....	4	4	4 5	4 5	4 5	Pennsylvania.....	4	5	5	7	7
Idaho.....	5.1	6	6	6	6	Rhode Island.....	3	4	6-7	7	7
Illinois.....	3	3	5	5	5	South Carolina.....	6	6-7	7	7	7
Indiana.....	4	4	6	6	6	South Dakota.....	4	4	4 6	4 6	4 6
Iowa.....	3	4	4 6	4 6-7	4 7	Tennessee.....	7	7	7	4 7	4 7
Kansas.....	3	5	4 6	4 5	4 5	Texas.....	4	4	4 5	4 5	4 5
Kentucky.....	5	7	7 7	7 7	7 7	Utah.....	4	4	6	6	6
Louisiana.....	7	9	7	7	7	Vermont.....	4	5	4 6.5	4 6.5	4 6.5
Maine.....	4	6	7	7	7	Virginia.....	5	6	7 6-7	7 7	7 7
Maryland.....	4	5	6	6	6	Washington.....	5	6.5	6.5	7.5	7.5
Massachusetts.....	3	3	5.5	5.5-6.5	6.5	West Virginia.....	5	5	7	7	7
Michigan.....	3	3	6	6	6	Wisconsin.....	4	4	6	6	6-7
Minnesota.....	4-3	5	5	6	6	Wyoming.....	4	4	4 5	4 5	4 5

¹ In effect Dec. 31.

² Weighted average, based on net gallons taxed. Prior to 1960, excludes Alaska and Hawaii. ³ No tax.

⁴ Tax on diesel fuel, and usually other special fuels for highway vehicles, is higher than gasoline tax shown.

⁵ The State tax rate on liquefied petroleum gas is 6 cents per gallon in California and 8 cents per gallon in Mississippi.

⁶ State tax rate in Hawaii is 8 cents per gallon in Hawaii County and 5 cents per gallon in other counties; in Nevada, the State tax rate is 6 cents per gallon, and effective July 1, 1966, all counties have the option of levying an additional 1 cent tax.

⁷ Trucks or combinations with more than 2 axes pay motor-fuel tax rates of 9 cents per gallon in Kentucky and Virginia. (Prior to July 1, 1960, the tax in Virginia was 8 cents.)

Source: Dept. of Transportation, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 811. PUBLIC HIGHWAY DEBT—LONG-TERM HIGHWAY OBLIGATIONS OF STATE AND LOCAL GOVERNMENTS: 1950 TO 1967

(In millions of dollars. State data are for calendar years; local data are for varying fiscal years. Prior to 1960, excludes Alaska and Hawaii. Excludes duplicated and interunit obligations except as noted. Municipal obligations include data for all municipalities and other political subdivisions urban in character. See *Historical Statistics, Colonial Times to 1957*, series Q 279, for State obligations outstanding)

ITEM	1950	1955	1960	1962	1963	1964	1965	1966 (prel.)	1967 est.
Total debt issued¹.....	652	1,174	1,206	1,535	981	1,097	1,073	1,507	1,539
State obligations.....	400	646	680	1,017	458	634	586	997	1,012
County and local rural obligations.....	90	205	190	184	114	156	157	160	162
Municipal obligations.....	162	323	336	334	409	307	330	350	365
Total debt redeemed².....	322	421	616	679	732	752	851	824	876
State obligations.....	143	191	300	340	382	381	459	412	444
County and local rural obligations.....	83	89	96	110	114	116	122	127	132
Municipal obligations.....	96	141	220	229	236	255	270	285	300
Total debt outstanding.....	4,436	9,658	13,166	14,537	14,773	15,114	15,336	16,019	16,682
State obligations.....	2,096	6,619	9,384	10,449	10,525	10,778	10,905	11,460	12,058
County and local rural obligations.....	872	1,027	1,280	1,285	1,281	1,317	1,362	1,385	1,415
Municipal obligations.....	1,468	2,012	2,502	2,803	2,967	3,019	3,079	3,144	3,209

¹ Excludes refunding issues.

² Excludes redemptions by refunding.

Source: Dept. of Transportation, Bureau of Public Roads; releases.

No. 812. MOTOR-VEHICLE TRAVEL, BY TYPE OF VEHICLE: 1940 TO 1965

[In millions of vehicle-miles, except averages. Prior to 1960, estimates for total United States travel based on automatic traffic recorder data from 48 States and District of Columbia. Urban travel includes all travel in municipalities and most travel in urbanized areas. All other travel is classed as rural. See also *Historical Statistics, Colonial Times to 1957*, series Q 321-327]

ITEM	1940	1950	1955	1960	1962	1963	1964	1965 est.
Total travel	302,188	458,246	603,434	718,845	766,852	805,423	846,500	887,640
TYPE OF VEHICLE								
Passenger vehicles.....	252,257	367,694	492,047	592,436	633,563	649,854	682,229	713,984
Rural.....	121,988	183,218	265,667	305,538	314,626	322,775	339,474	355,188
Urban.....	130,269	184,476	226,380	286,898	318,937	327,079	342,755	358,796
Passenger cars ¹	249,600	363,613	487,540	588,083	629,097	645,371	677,613	709,300
Rural.....	120,540	181,095	263,088	303,283	312,272	320,378	336,968	352,637
Urban.....	129,060	182,518	224,452	284,800	316,825	324,993	340,645	356,663
Buses.....	2,657	4,081	4,507	4,253	4,466	4,483	4,616	4,684
Rural.....	1,448	2,123	2,579	2,255	2,354	2,387	2,506	2,551
Urban.....	1,209	1,958	1,928	2,098	2,112	2,086	2,110	2,133
Trucks and combinations.....	49,931	90,552	111,387	126,409	133,289	155,569	164,271	173,656
Rural.....	30,207	56,780	70,486	81,722	84,127	97,226	101,940	108,599
Urban.....	19,724	33,772	40,901	44,687	49,162	58,343	62,331	65,057
AVERAGE MILES PER VEHICLE								
Passenger vehicles.....	9,129	9,078	9,400	9,474	9,467	9,265	9,311	9,278
Passenger cars ¹	9,080	9,020	9,359	9,446	9,441	9,240	9,286	9,255
Buses.....	18,580	20,910	17,668	16,004	15,507	15,049	15,115	14,903
Trucks and combinations.....	10,626	10,776	10,687	10,583	10,406	11,644	11,723	11,737

¹ Includes taxicabs and motorcycles.

Source: Dept. of Transportation, Bureau of Public Roads; releases.

No. 813. MOTOR FUEL CONSUMPTION, BY USE: 1940 TO 1965

[In millions of gallons, except averages. Prior to 1960, excludes Alaska and Hawaii. Comprises gasoline and all other fuels under State motor fuel laws. Excludes exports and Federal purchases for military use. Obtained chiefly from reports of State authorities. See *Historical Statistics, Colonial Times to 1957*, series Q 318-320, for highway and nonhighway usage]

ITEM	1940	1945	1950	1955	1960	1962	1963	1964	1965 est.
Total consumption ¹	24,404	22,304	40,280	53,116	63,714	66,637	64,516	67,901	71,104
Passenger vehicles.....	16,759	14,023	25,037	34,319	41,996	44,608	46,084	48,431	50,598
Passenger cars ²	10,323	13,323	24,305	33,548	41,169	45,771	45,246	47,567	49,723
Buses ³	436	700	732	771	827	837	838	864	875
Trucks and combinations.....	5,156	5,055	10,566	13,308	15,882	17,899	18,432	19,470	20,506
Average gallons consumed per vehicle.....									
Passenger vehicles.....	678	617	728	759	777	774	773	778	775
Passenger cars ²	594	517	603	644	661	657	648	652	649
Buses ³	3,049	4,294	3,752	3,021	3,040	2,906	2,813	2,829	2,784
Trucks and combinations.....	1,097	1,020	1,257	1,278	1,330	1,334	1,380	1,389	1,386
Average mileage per gallon, per vehicle.....									
Passenger vehicles.....	13.79	13.12	12.87	12.67	12.42	12.43	12.48	12.47	12.48
Passenger cars ²	15.29	15.03	14.95	14.53	14.28	14.37	14.26	14.25	14.27
Buses ³	0.69	5.48	5.57	5.85	5.26	5.34	5.35	5.34	5.35
Trucks and combinations.....	9.69	9.09	8.57	8.37	7.96	7.80	8.44	8.43	8.47

¹ Includes losses allowed for evaporation, handling, etc.

² Includes taxicabs and motorcycles. ³ Includes school buses.

Source: Dept. of Transportation, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 814. SPEED OF MOTOR VEHICLES: 1945 TO 1965

[Excludes Alaska and Hawaii. Based on actual speed of each vehicle recorded on tangent sections of main rural highways during off-peak hours]

ITEM	1945 ¹	1950	1955	1958	1959	1960	1961	1962	1963	1964	1965
Number of vehicles recorded.....I,000.....	96	280	395	515	396	459	574	602	539	569	539
Average speed, all vehicles.....m.p.h.....	44.0	47.6	50.7	51.7	52.0	52.6	52.6	53.8	55.8	55.9	56.3
Passenger cars.....m.p.h.....	45.0	48.7	52.1	52.8	53.3	53.8	53.7	55.1	57.1	57.2	57.6
Trucks.....m.p.h.....	39.8	43.0	45.8	47.3	47.3	48.2	48.2	49.4	51.3	51.0	51.7
Buses.....m.p.h.....	45.5	49.8	52.6	53.6	53.5	55.5	55.3	56.0	58.1	57.8	57.4
Vehicles exceeding—											
40 m.p.h.....percent.....	64	77	87	90	90	92	92	93	95	95	95
45 m.p.h.....percent.....	42	58	73	77	77	80	80	84	88	87	87
50 m.p.h.....percent.....	24	37	51	55	56	58	60	64	72	71	72
55 m.p.h.....percent.....	11	20	31	33	36	37	38	43	52	53	55
60 m.p.h.....percent.....	5	8	15	15	16	16	18	21	29	32	34

¹ Aug. 15 to Dec. 31.

Source: Dept. of Transportation, Bureau of Public Roads; *Traffic Speed Trends* and unpublished data.

No. 815. MOTOR VEHICLES—FACTORY SALES AND REGISTRATIONS: 1900 TO 1966
 [Prior to 1960, registrations exclude Alaska and Hawaii, except as noted. See also *Historical Statistics, Colonial Times to 1957*, series Q 310-317]

YEAR	FACTORY SALES ¹								REGISTRATIONS ² (1,000)		
	Number (1,000)			Wholesale value ³ (mil. dol.)					Total	Passen- ger cars and taxis ⁴	Trucks and buses ⁵
	Total	Pas- senger cars	Trucks and buses ⁶	Total	Passenger cars		Trucks and buses ⁷				
					Total	Average ⁴	Total	Average ⁴			
1900.....	4	4	—	5	5	1,250	—	—	8	8	—
1910.....	187	181	6	225	215	1,188	10	1,667	7,470	458	10
1920.....	2,227	1,906	322	2,232	1,809	949	423	1,314	9,251	8,131	1,108
1930.....	3,363	2,787	575	2,035	1,644	590	391	680	26,794	23,035	3,715
1940.....	4,472	3,717	755	2,938	2,371	638	568	752	32,525	27,466	4,987
1945.....	725	70	656	1,239	57	814	1,182	1,802	7,311,106	25,793	5,242
1950.....	8,003	6,666	1,337	10,176	8,468	1,270	1,708	1,277	49,300	40,334	8,823
1955.....	9,169	7,920	1,249	14,474	12,453	1,572	2,021	1,618	62,370	52,148	10,446
1960.....	7,869	6,675	1,194	14,515	12,164	1,822	2,351	1,969	73,869	61,682	12,187
1963.....	9,100	7,638	1,463	17,517	14,427	1,889	3,090	2,112	82,714	69,056	13,658
1964.....	9,292	7,752	1,540	18,061	14,837	1,914	3,224	2,094	86,301	71,983	14,318
1965.....	11,058	9,306	1,752	22,114	18,380	1,975	3,734	2,131	90,361	75,252	15,109
1966.....	10,329	8,598	1,731	21,500	17,600	2,047	3,900	2,253	94,177	78,332	15,845

— Represents zero. ¹ Includes military vehicles.

² A substantial part of the trucks and buses reported comprises chassis without body; hence, excludes the value of bodies for these chassis. ³ Beginning 1940, includes value of standard equipment.

⁴ Averages do not indicate price changes since total values may reflect changes in number of makes, models, and/or body types from year to year. ⁵ Includes publicly owned vehicles.

⁶ Prior to 1930, buses included with passenger cars. ⁷ Includes Hawaii; not shown in detail.

Source: Factory sales—Automobile Manufacturers Association, Detroit, Mich.: *Automobile Facts and Figures*. Registrations—Dept. of Transportation, Bureau of Public Roads; annual report, *Highway Statistics*, and unpublished data.

No. 816. MOTOR VEHICLES—ESTABLISHMENTS, PAYROLL, AND EMPLOYMENT FOR SELECTED KINDS OF BUSINESS: 1958 AND 1963

[For 1958, Alaska and Hawaii included only in totals, except as noted]

KIND OF BUSINESS	ESTABLISHMENTS ¹ (1,000)		ANNUAL PAYROLL ² (mil. dol.)		PAID EMPLOYEES ³ (1,000)	
	1958	1963	1958	1963	1958	1963
	RETAIL TRADE					
Automotive dealers.....	93.9	98.5	3,040	4,111	723.1	794.2
Passenger car dealers, franchised.....	38.6	33.3	2,485	3,325	565.7	612.1
Passenger car dealers, nonfranchised.....	25.3	28.0	154	184	44.2	44.3
Tire, battery, and accessory dealers.....	20.9	25.9	317	474	90.7	110.5
Miscellaneous aircraft, marine, and automotive dealers.....	8.9	11.3	74	127	20.2	27.2
Gasoline service stations.....	206.8	211.5	1,138	1,510	467.7	519.8
WHOLESALE TRADE						
Motor vehicles and automotive equipment.....	4 23.1	28.9	4 1,135	1,650	4 245.1	292.0
Automobiles and other motor vehicles.....	3.9	4.6	391	507	73.5	79.9
Automotive equipment.....	17.1	22.1	619	997	145.6	187.5
Tires and tubes.....	2.1	2.2	125	146	26.0	24.6
SERVICES						
Automobile repairs, services, and garages.....	125.7	139.6	857	1,135	257.1	288.0
Automobile repair shops.....	103.7	114.5	596	778	170.5	184.4
Automobile parking.....	11.0	11.3	106	114	35.4	34.9
Motor vehicle and trailer rentals and lease services.....	4.7	7.4	94	161	20.2	32.7
Other automobile services, except repair.....	5.8	6.5	53	81	29.8	36.0
MANUFACTURING						
Motor vehicles and equipment.....	2.3	2.8	3,339	5,193	581.7	693.8
Motor vehicles and parts.....	1.6	2.0	3,169	4,947	546.0	649.9
Truck and bus bodies.....	0.6	0.6	91	133	20.0	24.5
Truck trailers.....	0.2	0.2	78	113	15.7	19.4

¹ As of Dec. 31; except for manufacturing, represents any establishment employing 1 or more workers at any time during the year. ² Comprises salaries, wages, commissions, bonuses, vacation pay, and other remuneration.

³ During workweek ended nearest Nov. 15, except quarterly average for manufacturing.

⁴ Includes Alaska and Hawaii.

Source: Dept. of Commerce, Bureau of the Census; *Census of Business: 1963*, Vols. I, IV, and VI, and *Census of Manufactures: 1963*, Series MC63(2)—37A.

No. 817. MOTOR VEHICLES—SUMMARY STATISTICS: 1950 TO 1966

[Number in thousands; money figures in millions of dollars. Excludes Alaska and Hawaii, except as noted]

ITEM	1950	1955	1960	1963	1964	1965	1966
SALES, EXPORTS, IMPORTS, AND SCRAPPAGE ¹							
Passenger car factory sales.....	6,668	7,920	6,675	7,638	7,752	9,306	8,598
4-door sedans.....	3,247	3,044	2,697	2,727	2,511	2,744	2,333
2-door sedans, coaches and coupes ²	2,794	1,691	1,094	1,025	907	793	646
2-door and 4-door "hard-tops".....	267	2,169	1,517	2,430	2,954	4,251	4,438
Convertibles (except "hard-top").....	208	240	305	490	489	509	395
Station wagons ³	142	759	1,059	960	884	1,001	881
Chassis.....	9	18	3	6	6	7	6
Truck and bus factory sales.....	1,337	1,249	1,194	1,463	1,540	1,752	1,731
Passenger cars (new), exported.....	153	254	145	194	198	205	261
Passenger cars (new), imported.....	21	57	444	409	537	559	913
Exports, value.....	794	1,367	1,411	1,567	1,900	2,197	(NA)
Passenger cars (new).....	179	380	235	267	347	393	(NA)
Trucks and buses (new).....	217	340	382	282	347	328	(NA)
Rubber tires and tubes.....	47	82	77	59	70	55	(NA)
Parts and accessories (incl. used vehicles).....	350	565	717	960	1,136	1,421	(NA)
Imports of new passenger cars, value.....	21	69	513	445	579	640	1,237
Vehicles scrapped ^{4 5}	3,234	4,392	4,783	5,909	6,824	⁶ 6,825	(NA)
Passenger cars ^{4 5}	2,598	3,773	4,200	5,174	6,055	⁶ 6,000	(NA)
Trucks and buses ^{4 5}	636	619	583	735	769	⁶ 825	(NA)
AUTOMOTIVE PARTS AND CHEMICAL SHIPMENTS							
Tires, passenger car, ⁷ total.....	84,423	93,730	105,687	121,890	132,139	148,497	150,892
Original equipment.....	36,678	42,574	36,278	41,893	42,512	51,413	47,388
Replacement.....	47,103	50,189	68,475	79,035	88,163	94,893	101,719
Export.....	642	966	934	962	1,464	2,191	1,785
Tires, truck and bus, ⁷ total.....	15,164	14,769	13,911	16,592	18,262	20,047	22,572
Original equipment.....	4,671	4,800	3,925	5,220	5,507	6,925	7,292
Replacement.....	9,705	9,057	9,210	10,790	12,146	12,474	14,629
Export.....	788	912	776	582	609	648	651
Replacement automobile batteries ⁸	24,442	25,828	26,329	32,776	30,627	30,527	⁶ 31,000
Sealed-beam lamps ⁹	35,776	44,911	67,416	⁵ 75,343	⁵ 74,437	⁵ 85,566	⁵ 82,664
Other automotive lamps ⁹	251,216	331,448	323,449	⁵ 405,635	⁵ 435,636	⁵ 522,608	⁵ 535,911
Antifreeze ¹⁰ 1,000 gal.....	(NA)	110,000	120,902	135,860	132,550	143,067	(NA)
Other cooling system chemicals ¹⁰ 1,000 pkg ¹¹	(NA)	(NA)	32,437	27,941	28,465	25,418	(NA)
Heavy duty brake fluid ¹⁰ 1,000 gal ¹²	(NA)	5,682	9,425	8,703	8,471	7,983	(NA)
SPECIAL MOTOR-VEHICLE TAXES ¹³							
Total.....	4,339	7,212	10,445	12,180	13,044	(NA)	(NA)
Federal excise ¹⁴	1,479	2,736	4,397	5,246	5,635	5,716	5,410
State gross registration receipts ¹⁵	948	1,483	1,924	2,189	2,364	2,512	2,755
State gasoline, net ¹⁵	1,667	2,543	3,396	3,962	4,217	4,495	4,692
Special city and county ¹⁵	87	159	203	188	191	(NA)	(NA)
Bridge, tunnel, ferry, road tolls ¹⁶	157	292	524	596	637	(NA)	(NA)
MOTOR VEHICLE REGISTRATIONS ¹⁷							
World.....	70,440	96,001	126,966	155,053	166,085	178,096	(NA)
United States.....	49,177	62,794	73,928	82,748	86,297	90,370	94,179
Other North and Central America.....	3,154	4,942	6,759	7,843	8,200	8,235	(NA)
South America.....	1,270	1,835	2,995	4,123	4,536	5,103	(NA)
Europe.....	12,529	19,611	33,751	46,433	51,255	56,483	(NA)
Africa.....	1,241	1,829	2,450	3,030	3,156	3,394	(NA)
Asia.....	1,221	2,212	3,556	6,676	8,314	9,739	(NA)
Oceania.....	1,848	2,778	3,528	4,200	4,327	4,681	(NA)

NA Not available.

¹ Source: Exports and imports from Dept. of Commerce.² Includes business coupes.³ Excludes station wagons on commercial vehicle chassis.⁴ Estimated. ⁵ Includes Alaska and Hawaii.⁶ Preliminary.⁷ Source: The Rubber Manufacturers Association, Inc., 1965 figures for "Tires, passenger car" include motorcycle tires.⁸ Source: Association of American Battery Manufacturers. ⁹ Source: Bureau of the Census.¹⁰ Source: Chemical Specialties Manufacturers Association, Inc.¹¹ Individual consumer size (1-treatment) packages.¹² Figures represent fluid compounded rather than sold.¹³ Special taxes on motor-vehicle users. Excludes income and property taxes on motor vehicle, body, parts and tire factories; garages; dealers; repair shops; terminal and truck, including taxicab and bus, operating companies.¹⁴ Source: Dept. of the Treasury and Dept. of Transportation. Includes amounts collected on use of vehicles over 26,000 pounds as follows: 1960, \$44,539,000; 1963, \$106,443,000; 1964, \$100,996,000; 1965, \$103,000,000; 1966, \$110,000,000.¹⁵ Source: Dept. of Transportation.¹⁶ Estimated from Dept. of Transportation data. "Special city and county" includes parking meter revenues.¹⁷ Includes cars, trucks, and buses. Source: Dept. of State and overseas sources.Source: Automobile Manufacturers Association, Detroit, Mich.; *Automobile Facts and Figures*. Includes data compiled from sources cited in footnotes.

No. 818. MOTOR-VEHICLE REGISTRATIONS, 1950 TO 1966, AND DRIVERS LICENSES, 1966, BY STATES

[In thousands, except as indicated. Motor-vehicle registrations include 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 re-registrations and nonresident registrations]

STATE	AUTOMOBILES, TRUCKS, AND BUSES								Motor-cycles (incl. official), ¹ 1966	DRIVERS LICENSES, 1966		
	1950	1955	1960	1965	1966			Total ²		Percent		
					Total	Private and commercial				Male drivers	Drivers under 25 years	
						Auto-mob-iles (incl. taxicabs)	Trucks and buses					
U.S. ³ ..	49,300	62,870	73,869	90,361	94,177	77,959	14,884	1,752.8	98,496	59.2	(NA)	
Ala.....	686	1,041	1,282	1,663	1,732	1,400	308	25.3	1,690	59.9	(NA)	
Alaska.....	(NA)	(NA)	81	109	108	70	34	4.3	119	58.8	20.2	
Ariz.....	271	415	624	825	863	662	183	17.3	908	59.9	29.3	
Ark.....	477	584	708	914	955	667	277	12.2	948	59.9	(NA)	
Calif.....	4,620	6,189	7,790	9,989	10,347	8,642	1,561	314.8	9,916	58.1	18.4	
Colo.....	564	737	924	1,158	1,201	910	270	24.8	1,123	63.1	28.0	
Conn.....	716	921	1,107	1,415	1,489	1,319	155	21.3	1,766	58.3	17.4	
Del.....	108	154	192	244	256	216	37	3.5	277	56.7	20.8	
D. C.....	195	197	206	236	242	214	19	2.6	344	59.0	(NA)	
Fla.....	985	1,616	2,367	3,037	3,221	2,799	375	53.7	3,092	59.8	(NA)	
Ga.....	808	1,239	1,512	1,990	2,099	1,697	374	24.0	2,183	59.9	(NA)	
Hawaii.....	138	181	231	310	325	284	35	12.0	362	58.8	(NA)	
Idaho.....	272	338	375	434	446	304	130	20.0	427	61.4	(NA)	
Ill.....	2,651	3,268	3,776	4,437	4,705	4,108	547	81.0	5,597	58.9	21.4	
Ind.....	1,435	1,763	2,046	2,427	2,551	2,063	462	63.6	2,686	59.9	(NA)	
Iowa.....	1,072	1,195	1,325	1,549	1,609	1,273	314	32.6	1,511	57.8	19.7	
Kans.....	853	1,043	1,163	1,369	1,405	1,015	388	28.0	1,355	55.0	22.8	
Ky.....	784	1,032	1,198	1,500	1,575	1,251	305	21.2	1,353	61.6	22.7	
La.....	707	952	1,177	1,442	1,556	1,232	304	18.9	1,537	59.9	(NA)	
Maine.....	276	323	374	424	434	343	80	6.4	505	60.8	(NA)	
Md.....	685	938	1,155	1,481	1,534	1,336	183	21.3	1,639	59.0	22.1	
Mass.....	1,280	1,946	1,803	2,104	2,173	1,939	205	36.4	2,635	60.8	(NA)	
Mich.....	2,433	3,114	3,906	3,991	4,024	3,501	472	82.0	4,306	51.7	23.9	
Minn.....	1,169	1,365	1,592	1,890	1,943	1,573	346	50.0	1,974	57.4	21.8	
Miss.....	484	637	723	921	957	701	240	9.8	887	59.9	(NA)	
Mo.....	1,261	1,490	1,720	2,085	2,221	1,768	430	37.3	2,406	60.0	18.3	
Mont.....	265	331	373	429	439	293	137	13.8	382	57.6	19.8	
Nebr.....	569	662	734	849	870	640	217	16.1	896	56.6	(NA)	
New.....	77	124	175	266	279	208	62	9.6	267	58.1	21.2	
N. H.....	172	212	267	334	334	277	48	7.2	387	60.7	(NA)	
N. J.....	1,579	2,061	2,401	2,980	3,123	2,778	306	41.4	3,398	58.1	20.0	
N. Mex.....	238	340	426	525	549	403	133	10.6	512	60.0	(NA)	
N. Y.....	3,735	4,643	5,067	5,939	6,162	5,485	583	67.1	7,402	61.3	16.6	
N. C.....	1,056	1,437	1,720	2,156	2,307	1,821	424	26.9	2,340	59.2	24.2	
N. Dak.....	276	309	345	363	406	265	134	7.9	363	59.8	24.4	
Ohio.....	2,795	3,526	4,037	4,935	5,238	4,669	521	93.8	5,500	60.5	19.7	
Okla.....	331	1,026	1,184	1,438	1,496	1,080	395	28.0	1,390	55.6	20.8	
Oreg.....	689	802	919	1,119	1,167	946	200	33.8	1,113	57.4	20.4	
Pa.....	3,010	3,737	4,287	4,968	5,196	4,523	612	87.5	6,102	62.4	19.7	
R. I.....	251	308	341	406	423	374	44	6.9	447	60.9	(NA)	
S. C.....	579	782	879	1,094	1,147	938	189	12.5	1,088	60.8	23.4	
S. Dak.....	290	325	354	398	401	280	112	9.4	396	57.8	23.8	
Tenn.....	858	1,102	1,307	1,655	1,757	1,420	311	26.2	1,862	59.9	(NA)	
Tex.....	2,968	3,869	4,457	5,610	5,711	4,450	1,179	74.8	5,414	58.4	20.5	
Utah.....	247	336	417	525	544	418	115	13.9	562	63.2	(NA)	
Vt.....	121	136	152	175	179	138	39	5.0	204	60.8	(NA)	
Va.....	918	1,243	1,426	1,800	1,875	1,572	272	20.2	2,160	59.8	(NA)	
Wash.....	924	1,164	1,377	1,659	1,756	1,384	337	55.9	1,579	58.3	17.8	
W. Va.....	482	552	601	696	731	580	139	13.5	822	63.6	21.7	
Wis.....	1,201	1,386	1,600	1,839	1,890	1,572	287	40.6	2,141	58.5	20.8	
Wyo.....	145	174	207	239	224	146	72	6.0	223	61.4	(NA)	

NA Not available.

¹ Excludes vehicles owned by military services.

² Estimated from data reported by States for current and previous years; no allowance made for deaths, emigration, or revocation.

³ Incomplete data for some States.

Source: Dept. of Transportation, Bureau of Public Roads; annual reports, *Highway Statistics, Drivers Licenses—1965*, and unpublished data.

No. 819. AUTOMOBILES—FACTORY INSTALLATION OF SELECTED TYPES OF EQUIPMENT: 1956 to 1966

[Refers to model-year production. For certain items, such as air conditioning, a significant number of units are installed on new vehicles after they leave the factory]

EQUIPMENT	UNITS INSTALLED (1,000)				PERCENT OF TOTAL CARS PRODUCED			
	1956	1960	1965	1966	1956	1960	1965	1966
Automatic transmission.....	4,709	4,306	7,134	7,197	74.8	71.6	80.7	83.6
Manual transmission.....	1,586	1,706	1,709	1,409	25.2	28.4	19.3	16.4
V-8 engine.....	5,122	3,409	6,492	6,881	81.4	56.7	73.4	80.0
6-cylinder engine.....	1,173	2,603	2,350	1,724	18.6	43.3	26.6	20.0
Power brakes.....	1,529	1,948	2,856	3,039	24.3	32.4	32.3	35.3
Power steering.....	1,720	2,357	5,270	5,729	27.3	39.2	59.6	66.6
Power windows ¹	412	376	1,261	1,175	6.6	6.3	14.3	13.7
Air conditioning.....	164	414	2,061	2,522	2.6	6.9	23.3	29.3
Tinted glass (windshield and other).....	1,988	1,668	4,572	5,207	31.6	27.7	51.7	60.5

¹ Includes power operated station wagon rear windows.

Source: *Annual Statistical Issue, Automotive Industries*. Published by Chilton Company, Philadelphia, Pa. (Copyright.)

No. 820. AUTOMOBILE OWNERSHIP, AGE, AND FINANCING: 1950 to 1966

[Excludes Alaska and Hawaii. For definition of family unit, see headnote, table 470]

ITEM	1950	1955	1960	1962	1963	1964	1965	1966
Total number of families in U.S. ¹.....millions..	45.2	49.1	53.4	54.9	56.5	56.8	58.4	59.1
Total owning automobiles.....percent..	59	70	77	74	80	78	79	79
Owning 1 automobile.....percent..	52	60	62	57	58	55	55	54
Owning 2 or more automobiles.....percent..	7	10	15	17	22	22	24	25
Automobiles owned, by age: ²								
Less than 2 years old.....percent..	17	12	14	12	13	13	16	16
2 and 3 years old.....percent..	19	22	20	21	18	20	21	22
4 to 7 years old.....percent..	6	43	41	38	36	33	33	34
8 years old and over.....percent..	58	23	25	29	33	34	30	28
Total automobiles purchased ³.....millions..								
New cars.....millions..			13.6	14.1	15.6	18.9	17.3	18.3
Average price paid.....dollars			4.4	5.2	4.6	5.9	6.0	7.2
Used cars.....millions..			2,730	3,140	2,830	2,990	3,130	3,140
Average price paid.....dollars			9.2	9.1	11.0	13.0	11.3	11.1
Method of financing purchases:								
All passenger cars ⁴.....percent..	100	100	100	100	100	100	100	100
Full cash (including trade-in allowance).....percent..	47	38	38	44	45	47	48	48
Installment credit and other borrowing.....percent..	52	60	62	56	55	53	52	52
New passenger-car buyers ⁴.....percent..	100	100	100	100	100	100	100	100
Full cash (including trade-in allowance).....percent..	54	39	33	38	38	40	40	38
Installment credit and other borrowing.....percent..	46	60	67	62	62	60	60	62
Used passenger cars ⁴.....percent..	100	100	100	100	100	100	100	100
Full cash (including trade-in allowance).....percent..	41	37	41	48	49	51	53	52
Installment credit and other borrowing.....percent..	57	60	59	50	51	44	44	45

NA Not available. ¹ At time of survey, early in year indicated.

² Age is determined by subtracting model year from year of survey. ³ Covers family units buying cars during preceding calendar year and still owning them at time of survey (January-February of year indicated).

⁴ Refers to purchases during preceding year. Includes cars received as gifts, whether cash or credit purchased. Buyers for whom method of financing was not ascertained are excluded from the detail on new and used car purchases.

Source: The University of Michigan, Survey Research Center; *Survey of Consumer Finances*.

No. 821. AUTOMOBILE INSURANCE: 1950 to 1965

[Money figures in millions of dollars. Prior to 1960, excludes Alaska and Hawaii. 1950, net basis; 1955, direct writing basis; and, beginning 1960, direct premiums earned and direct losses incurred]

ITEM	1950	1955	1960	1963	1964	1965
Total insurance:						
Premiums written.....	2,625	4,644	6,448	7,341	7,582	8,358
Losses paid.....	1,069	2,122	3,645	4,459	4,787	5,221
Percent losses paid of premiums written.....	40.7	45.7	56.5	60.7	63.1	62.5
Automobile liability, bodily injury:						
Premiums written.....	931	1,735	2,841	3,333	3,612	3,948
Losses paid.....	396	820	1,697	2,017	2,266	2,459
Percent losses paid of premiums written.....	42.5	47.3	59.7	60.5	62.7	62.3
Automobile liability, property damage: ¹						
Premiums written.....	482	896	1,219	1,328	1,418	1,567
Losses paid.....	231	415	675	826	940	1,025
Percent losses paid of premiums written.....	47.9	46.3	55.4	62.2	66.3	65.4
Physical damage: ²						
Premiums written.....	1,212	2,013	2,388	2,680	2,552	2,843
Losses paid.....	442	887	1,273	1,616	1,581	1,737
Percent losses paid of premiums written.....	36.5	43.6	53.3	60.3	62.0	61.1

¹ Covers real property against damage by autos. ² Covers auto fire, theft, collision, and comprehensive.

Source: The Spectator, Philadelphia, Pa.; *Insurance Yearbook, Fire and Casualty Volume*; and beginning 1955, *Insurance by States*.

No. 822. CARS AND TRUCKS IN USE, BY AGE: 1950 TO 1966

[As of July 1. Prior to 1960, excludes Alaska and Hawaii. Excludes vehicles for which age was not known]

AGE	1950		1955		1960		1965		1966	
	Number (1,000)	Per cent								
Total cars ¹	35,824	100.0	47,123	100.0	56,935	100.0	68,935	100.0	71,152	100.0
Under 3 years.....	10,957	30.6	14,448	30.7	14,186	24.9	21,578	31.3	23,078	32.4
3 to 5 years.....	6,083	17.0	15,164	32.2	18,346	32.2	18,013	26.1	19,163	26.9
6 to 8 years.....			10,146	21.5	12,380	21.7	13,571	19.7	13,751	19.3
9 to 11 years.....			9,233	25.8	7,365	15.6	9,199	16.2	9,862	14.3	9,588	13.5
12 years and over.....	9,551	26.7	2,825	5.0			5,911	8.6	5,571	7.8
Total trucks ¹	7,525	100.0	9,111	100.0	10,771	100.0	13,106	100.0	14,284	100.0
Under 3 years.....	2,476	32.9	2,039	22.4	2,046	19.0	3,222	24.6	3,748	26.2
3 to 5 years.....	1,719	22.8	2,767	30.4	2,418	22.4	2,476	18.9	2,775	19.4
6 to 8 years.....	362	4.8	2,319	25.5	2,077	19.3	1,950	14.9	2,114	14.8
9 to 11 years.....	1,342	17.8	702	7.7	2,332	21.7	1,844	14.1	1,847	12.9
12 years and over.....	1,626	21.6	1,285	14.1	1,898	17.6	3,614	27.6	3,801	26.6

¹ For 1965 and earlier years, Willys jeeps included in "Cars;" thereafter, in "Trucks."

Source: Compiled from data furnished by R. L. Polk & Co., Detroit, Michigan. Further reproduction prohibited without Polk permission.

No. 823. TRUCK CARRIERS—SELECTED OPERATING STATISTICS: 1963

[Represents motor carriers of property that render trucking services to the public, but are not subject to the Interstate Commerce Commission economic regulations. Covers carriers engaged in intrastate or local service and interstate carriers of nonmanufactured agricultural products and fish. Based on a sample and subject to sampling variability; see source for detailed explanation]

ITEM	Number of carriers	Total revenue (mil. dol.)	Number of employees, Nov. 15 (1,000)	VEHICLES OWNED OR LEASED (1,000)		
				Trucks	Truck tractors	Trailers (semi and full)
Total	42,936	2,299	199.3	111.8	60.9	84.0
FORM OF OWNERSHIP						
Corporation (incl. cooperatives).....	6,977	1,026	74.7	32.0	27.5	40.8
Individual owners.....	31,581	1,001	96.5	64.7	26.3	33.8
Partnership.....	4,428	272	28.1	15.1	7.1	9.4
TYPE OF OPERATION						
Common carrier.....	36,194	1,892	166.9	94.7	49.0	69.4
Contract carrier.....	6,792	407	32.4	17.1	11.9	14.6
AREA OF SERVICE						
Local.....	29,330	1,269	129.9	88.2	22.9	30.8
Intercity.....	13,656	1,030	69.4	23.6	38.0	53.2
LOCATION OF HOME OFFICE (geographic divisions)¹						
New England.....	2,124	76	8.2	5.2	1.4	1.8
Middle Atlantic.....	8,499	474	41.8	23.4	9.7	11.1
East North Central.....	8,599	467	39.7	23.2	14.0	20.7
West North Central.....	5,868	244	22.6	13.7	7.7	9.0
South Atlantic.....	4,858	231	22.3	13.1	5.3	5.7
East South Central.....	2,424	106	10.1	5.9	3.0	3.6
West South Central.....	3,336	187	16.9	8.0	6.7	7.9
Mountain.....	1,414	102	7.6	2.9	3.5	5.5
Pacific.....	5,864	412	30.1	16.4	9.6	18.7

¹ For composition of geographic divisions, see fig. I, p. xii.Source: Dept. of Commerce, Bureau of the Census; 1963 Census of Transportation, Vol. IV, *Motor Carrier Survey*.

No. 824. MOTORTRUCKS, BY SIZE-CLASS, AREA OF OPERATION, AND MAJOR USE—STATES: 1963

[In thousands. Includes private and commercial single-unit trucks and combinations. Based on a probability sample of truck license holders, and subject to sampling variability]

STATE	Total	SIZE-CLASS ¹			AREA OF OPERATION ²			MAJOR USE				
		Light	Medium	Heavy	Local	Intermediate	Long distance	Agriculture	Personal	Wholesale and retail business	Contract construction	Services
U.S.	12,726	8,853	1,128	2,094	8,751	895	193	3,528	3,114	1,664	1,198	930
N.E.	505	312	59	113	373	43	4	72	108	101	71	51
Maine	75	49	6	18	54	7	(Z)	17	20	11	8	6
N.H.	47	30	6	9	32	5	1	8	12	8	6	4
Vt.	30	18	5	7	21	3	(Z)	9	6	5	2	2
Mass.	185	105	23	48	143	15	2	16	25	47	28	21
R.I.	38	23	5	8	27	3	(Z)	3	7	9	5	5
Conn.	129	86	15	25	95	9	1	19	38	20	21	13
M.A.	1,336	814	179	299	977	93	18	160	235	270	179	146
N.Y.	524	294	67	128	398	31	4	67	72	110	69	64
N.J.	273	164	24	64	190	20	4	21	38	54	47	38
Pa.	539	356	47	108	388	41	10	71	126	106	62	44
E.N.C.	1,976	1,286	224	356	1,397	139	31	575	343	298	200	140
Ohio	449	281	54	87	316	32	8	116	63	79	53	36
Ind.	386	264	36	67	257	30	10	117	95	51	32	21
Ill.	462	290	67	90	341	27	5	130	64	71	50	35
Mich.	406	269	44	67	286	26	6	97	95	62	39	30
Wis.	272	182	33	44	196	23	3	114	26	36	25	19
W.N.C.	1,672	1,094	176	325	1,187	97	19	811	253	157	114	91
Minn.	290	180	37	57	201	16	4	115	44	33	24	18
Iowa	264	189	24	38	197	11	1	129	33	30	21	15
Mo.	383	252	33	75	270	25	6	144	68	43	31	25
N. Dak.	119	69	23	23	88	6	1	88	9	7	5	3
S. Dak.	105	72	10	20	70	9	1	60	17	8	5	5
Nebr.	192	124	18	43	135	12	3	105	27	17	12	8
Kans.	320	207	31	67	226	18	3	171	55	20	16	18
S.A.	1,729	1,197	156	279	1,139	126	38	426	408	248	163	140
Del.	59	34	6	14	37	4	3	11	13	7	7	5
Md.	149	93	16	29	102	11	1	22	29	26	20	15
D.C.	17	9	3	4	14	(Z)	(Z)	(Z)	1	6	3	3
Va.	237	160	23	40	160	17	5	65	57	28	21	16
W. Va.	127	92	7	20	79	11	2	23	45	16	7	9
N.C.	351	254	28	55	231	26	11	119	73	48	25	21
S.C.	157	123	11	17	101	10	1	54	42	16	17	8
Ga.	311	218	30	44	197	24	5	85	78	46	20	20
Fla.	322	214	32	56	217	22	9	46	71	56	43	42
E.S.C.	957	672	84	150	588	63	15	380	203	114	51	56
Ky.	261	178	26	43	163	17	3	105	52	30	15	16
Tenn.	247	164	25	48	152	16	6	105	40	30	16	15
Ala.	250	180	17	37	153	16	5	77	70	32	15	16
Miss.	199	149	16	23	120	14	1	93	41	21	6	10
W.S.C.	1,812	1,346	111	250	1,193	131	30	566	487	190	132	113
Ark.	231	180	16	24	150	14	2	95	68	20	12	11
La.	241	148	20	48	150	24	2	51	52	37	17	18
Okla.	335	232	25	56	208	21	7	125	76	31	22	20
Tex.	1,005	786	49	123	684	71	19	296	290	102	80	65
Mt.	968	733	63	135	650	78	11	268	365	87	75	56
Mont.	126	86	14	21	88	9	1	59	31	10	7	6
Idaho	122	87	8	20	78	9	2	51	38	8	5	5
Wyo.	68	49	6	10	41	10	1	21	23	3	6	4
Colo.	231	176	12	37	161	15	2	73	83	22	15	13
N. Mex.	116	87	6	17	70	12	2	23	52	10	7	8
Ariz.	153	122	9	15	109	9	2	15	64	21	19	13
Utah	97	80	6	8	65	10	1	20	44	10	9	4
Nev.	55	46	2	5	38	4	(Z)	6	30	4	6	4
Pac.	1,771	1,399	119	188	1,247	124	28	270	711	198	214	136
Wash.	273	200	25	37	198	18	5	73	104	24	21	16
Oreg.	176	123	15	25	114	13	4	46	64	19	10	7
Calif.	1,265	1,035	73	116	892	88	19	143	524	147	174	108
Alaska	28	21	2	4	21	2	(Z)	1	13	3	4	2
Hawaii	30	19	3	6	22	2	(Z)	6	6	5	4	3

Z. Less than 500 trucks.

¹ Based on physical characteristics of vehicles reported; approximates following classification in terms of gross vehicle weight (empty weight of vehicle plus load it was designed to carry): Light—10,000 lb. or less; Medium—10,001 to 19,500 lb.; Light-heavy—19,501 to 26,000 lb.; Heavy-heavy—over 26,000 lb.

² Local—in or around city and suburbs or within a short distance of the farm, factory, or home base of the vehicle; Intermediate—beyond local limits but usually not more than 200 miles, one way, from home base of vehicle; Long distance—trips usually more than 200 miles, one way, from home base. U.S. total for trucks not reported, 2,236,000.

Source: Dept. of Commerce, Bureau of the Census; 1963 Census of Transportation, Vol. II, *Truck Inventory and Use Survey*.

No. 825. BUS CARRIERS—SELECTED OPERATING STATISTICS: 1963

[Based on a complete canvass made of bus firms listed from the active records of the Internal Revenue Service as subject to payment of Federal Insurance Contribution Act (FICA) taxes (i.e., employers of 1 or more persons). Represents nongovernmentally owned motor carriers of passengers, except those that are subject to the Interstate Commerce Commission economic regulations. They are engaged largely in local service]

ITEM	Number of carriers	Total revenue (\$1,000)	Total expenses (\$1,000)	Number of paid employees ¹	Number of buses
Total	1,320	400,032	371,589	47,201	25,292
PRINCIPAL TYPE OF SERVICE					
Local.....	895	351,314	326,109	42,078	21,623
Intercity.....	199	21,227	20,017	2,263	1,663
Charter.....	125	10,155	8,729	1,156	1,031
Other.....	101	17,336	16,734	1,764	975
CLASS OF OWNERSHIP					
Corporations.....	925	384,193	356,773	44,883	(²)
Individual proprietorships, partnerships, cooperatives.....	395	15,839	14,816	2,318	(²)
LOCATION OF HOME OFFICE (geographic division)³					
New England.....	74	15,634	15,232	2,059	1,369
Middle Atlantic.....	497	140,058	123,157	17,250	7,420
East North Central.....	177	65,713	63,025	7,720	4,523
West North Central.....	69	26,433	24,980	2,935	1,809
South Atlantic.....	164	47,754	46,238	5,547	3,294
East South Central.....	69	20,470	19,325	2,515	1,347
West South Central.....	81	32,389	31,119	3,683	2,304
Mountain.....	55	13,356	11,460	1,422	846
Pacific.....	134	38,225	37,053	4,070	2,350

¹ As of Nov. 15, 1963.

² Data not requested.

³ For composition of geographic division, see fig. I, p. xii.

Source: Dept. of Commerce, Bureau of the Census; 1963 Census of Transportation, Vol. IV, *Motor Carrier Survey*.

No. 826. INTERCITY BUS LINES—SUMMARY OF OPERATIONS: 1960 TO 1966

[Excludes Alaska and Hawaii]

ITEM	1960	1963	1964	1965	1966 est.
Operating companies.....	1,150	1,100	1,100	1,100	1,100
Buses.....	20,974	21,074	21,152	20,522	20,828
Miles of highway served (Dec. 31) ¹	265,000	260,000	260,000	262,000	262,000
Employees (Dec. 31) ²	45,000	46,200	46,800	44,900	45,600
Total bus miles..... millions..	1,092	1,155	1,183	1,165	1,202
Revenue passengers..... millions..	366.2	354.3	360.3	369.8	383.9
Revenue passenger-miles..... millions..	19,900	21,900	22,700	23,300	24,600
Operating revenue, all services..... \$1,000..	556,200	646,800	636,700	702,600	738,800
Operating expenses..... \$1,000..	494,800	561,700	594,900	602,400	634,300
Net operating revenue before income taxes..... \$1,000..	61,400	85,100	91,800	100,200	104,500
Taxes assignable to operations ³ \$1,000..	52,600	58,400	62,700	58,500	64,100

¹ Includes duplication between carriers.

² Operating companies only.

³ Excludes income taxes.

Source: National Association of Motor Bus Owners, Washington, D.C.; *Bus Facts*.

No. 827. TRANSIT INDUSTRY—SUMMARY: 1940 TO 1965

[Money figures in millions of dollars, except as indicated. Prior to 1960, excludes Alaska and Hawaii. Comprises all privately and publicly owned organized local passenger transportation agencies except taxicabs, suburban railroads, and sightseeing and school buses. Covers (b) local motorbus lines, (c) electric street railways, (d) elevated and subway lines, (e) interurban electric railways and (f) trolley coach lines. Based on financial and statistical reports received by American Transit Association from transit companies representing more than 85 percent of the industry. See also *Historical Statistics, Colonial Times to 1957*, series Q 330-340]

ITEM	1940	1945	1950	1955	1960	1962	1963	1964	1965
Operating companies	(NA)	1,253	1,406	1,483	1,251	1,205	1,186	1,152	1,148
Motorbus companies ¹	(NA)	1,104	1,354	1,450	1,236	1,202	1,183	1,149	1,145
Miles of route operated (Dec. 31):									
Electric railway—single track.....	19,602	17,702	10,813	6,197	3,143	2,557	2,236	2,173	2,173
Surface.....	18,360	16,480	9,590	4,976	1,900	1,312	990	918	918
Subway and elevated.....	1,242	1,222	1,223	1,221	1,243	1,245	1,246	1,255	1,255
Trolley coach—negative overhead wire.....	1,925	2,313	3,513	3,428	2,196	1,849	1,119	986	766
Motorbus—route round trip.....	78,000	90,400	98,000	99,800	108,700	114,300	117,400	118,300	120,900
Passenger vehicles owned (Dec. 31):									
Electric railway cars.....	75,464	89,758	86,310	73,089	65,292	63,045	62,189	61,679	61,717
Surface.....	37,662	36,377	22,986	14,532	11,866	11,084	10,634	10,614	10,664
Subway and elevated.....	26,690	26,190	13,228	5,300	2,866	2,219	1,756	1,553	1,549
Trolley coaches.....	11,032	10,217	9,753	9,232	9,010	8,865	8,878	9,061	9,115
Motorbuses.....	2,802	3,711	6,504	6,157	3,826	3,161	2,155	1,865	1,453
	35,000	49,670	56,820	52,400	49,600	48,800	49,400	49,200	49,600
Investment (Dec. 31)	4,096	4,262	3,918	3,821	3,937	4,002	4,025	4,106	4,225
Electric railway.....	3,588	3,620	3,060	2,902	3,003	3,042	3,076	3,144	3,243
Surface.....	1,574	1,570	913	616	367	229	175	165	165
Subway and elevated.....	2,014	2,050	2,147	2,286	2,630	2,813	2,901	2,979	3,078
Trolley coach.....	68	76	144	186	117	100	70	65	49
Motorbus.....	450	566	714	759	817	854	879	897	933
Operating finances:									
Operating revenue.....	737	1,380	1,452	1,426	1,407	1,404	1,391	1,408	1,444
Electric railway.....	456	710	578	440	369	366	349	351	366
Surface.....	328	560	362	176	88	73	61	56	56
Subway and elevated.....	128	149	216	264	282	293	287	296	310
Trolley coach.....	25	68	122	131	82	76	56	46	42
Motorbus.....	266	603	752	856	956	961	986	1,010	1,036
Operating expenses.....	598	1,067	1,297	1,277	1,290	1,306	1,313	1,343	1,374
Percent of revenue.....	81.1	77.3	89.3	89.6	91.7	93.1	94.4	95.4	95.2
Net revenue.....	139	313	155	149	117	98.1	78.4	66	70
Taxes (all).....	63	165	89	93	87	78	79	78	81
Operating income.....	76	149	66	56	31	20	21	21	21
Percent of revenue.....	10.4	10.8	4.6	3.9	2.2	1.4	(²)	(²)	(²)
Revenue vehicle-miles operated									
millions.....	2,596	3,254	3,008	2,448	2,143	2,047	2,022	2,016	2,008
Electric railway.....	1,316	1,398	907	561	466	448	436	439	437
Surface.....	845	940	463	178	75	62	49	43	42
Subway and elevated.....									
millions.....	471	458	443	383	391	387	387	396	395
Trolley coach.....	86	133	206	177	101	84	62	49	43
Motorbus.....	1,195	1,722	1,895	1,710	1,576	1,515	1,523	1,528	1,528
Passengers carried	13,098	23,254	17,246	11,529	9,395	8,695	8,400	8,328	8,253
Electric railway.....	8,325	12,124	6,168	3,077	2,313	2,283	2,165	2,166	2,134
Surface.....	5,943	9,426	3,904	1,207	463	393	329	289	276
Subway and elevated.....									
millions.....	2,382	2,698	2,264	1,870	1,850	1,800	1,826	1,877	1,858
Trolley coach.....	594	1,244	1,658	1,202	657	547	413	349	305
Motorbus.....	4,289	9,886	9,420	7,250	6,425	5,855	5,822	5,813	5,814
Revenue passengers carried									
millions.....	10,504	18,982	13,845	9,189	7,521	7,122	6,915	6,854	6,798
Electric railway.....	6,464	9,636	4,903	2,586	2,005	1,988	1,899	1,911	1,882
Surface.....	4,183	7,081	2,790	845	335	284	238	213	204
Subway and elevated.....									
millions.....	2,282	2,555	2,113	1,741	1,670	1,704	1,661	1,698	1,678
Trolley coach.....	419	1,001	1,261	869	447	361	264	214	186
Motorbus.....	3,620	8,345	7,681	5,734	5,069	4,773	4,752	4,729	4,730
Number of employees (average)									
1,000.....	203	242	240	198	156	149	147	145	145
Subway and elevated.....		34	30	41	35	35	34	35	36
Surface railway—trolley coach and motorbus.....	203	208	201	157	121	114	113	110	109
Payroll.....	360	632	835	864	857	878	892	917	904
Average annual earnings per employee.....	1,773	2,612	3,479	4,364	5,481	5,889	6,062	6,332	6,645

NA Not available. ¹ Comprises companies operating motorbuses exclusively and companies with combined services such as trolley coach and motorbus, etc.

² Deficit. ³ Deficits not computed as percent of operating revenue.

Source: American Transit Association, Washington, D.C.; annual report, *Transit Fact Book*.

No. 828. CLASS I INTERCITY MOTOR CARRIERS OF PROPERTY—SUMMARY OF FINANCIAL AND OPERATING STATISTICS: 1950 TO 1965

[All money figures in millions of dollars, except revenue and expense per vehicle-mile. Prior to 1960, excludes Alaska and Hawaii. See text, p. 552, for explanation of class limits]

ITEM	1950	1955	1960	1964	1965
Number of carriers reporting.....	1,621	2,244	935	1,025	1,122
Investment in carrier operating property.....	748	1,515	1,992	2,614	(NA)
Reserve for depreciation and amortization.....	309	736	998	1,339	(NA)
Income statement:					
Operating revenue.....	2,380	4,030	4,763	6,199	7,097
Common carrier.....	2,181	3,622	4,384	5,835	6,602
Contract carrier.....	144	294	239	201	257
Other operating revenue.....	55	114	141	164	238
Expenses.....	1,215	3,870	4,645	5,918	6,675
Operation and maintenance expenses.....	1,968	3,497	4,151	5,297	(NA)
Depreciation and amortization ²	84	157	202	243	(NA)
Operating taxes and licenses ³	103	216	291	378	(NA)
Operating ratio (percent expenses of operating revenue).....	93.1	96.0	97.5	95.5	94.1
Net operating revenue.....	165	160	119	282	(NA)
Lease of distinct operating unit, net.....	1	1	1	1	(NA)
Other income, less income deductions.....	6	14	36	40	(NA)
Net income before income taxes.....	159	146	81	240	(NA)
Net income after income taxes.....	93	82	37	152	212
Dividend appropriations and withdrawals ⁴	23	29	24	37	(NA)
Operating statistics and averages:					
Owned revenue vehicles ⁵	191,243	288,668	279,305	317,859	(NA)
Intercity vehicle-miles..... millions.....	5,352	7,559	7,203	8,209	(NA)
Tons of intercity revenue freight carried ⁶.....1,000.....	212,997	313,583	275,518	366,209	(NA)
Miles per owned vehicle.....	53,833	53,008	59,590	65,678	(NA)
Revenue per vehicle-mile (intercity).....	\$0.43	\$0.52	\$0.64	\$0.74	(NA)
Expense per vehicle-mile (intercity) ⁷	\$0.41	\$0.51	\$0.65	\$0.72	(NA)

NA Not available. ¹ Includes net operating rents, not shown separately.

² Amortization represents a very small part of this total. ³ Excludes Federal and State income taxes.

⁴ Withdrawals of sole proprietors and partners. ⁵ Excludes equipment used under lease, including operations conducted under "purchased transportation" arrangements.

⁶ Includes duplications on account of tonnage received from connecting motor carriers.

⁷ Basic figures include expenses of operating vehicles in local services not available separately.

No. 829. CLASS I INTERCITY MOTOR CARRIERS OF PROPERTY—SELECTED OPERATING STATISTICS, BY REGIONS: 1963 AND 1964

[Money figures in millions of dollars. See text, p. 552, for explanation of class limits. 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.]

YEAR AND REGION	Number of carriers reporting	Operating revenue	Total expenses	OWNED REVENUE VEHICLES ¹				Inter-city vehicle-miles (millions)	EMPLOYEES ²	
				Trucks	Truck-tractors	Semi-trailers	Full trailers		Average number	Compensation
1963.....	1,004	5,756	5,520	32,039	93,843	179,882	2,923	7,882	351,104	2,546
1. New England.....	65	223	218	1,916	3,810	6,420	-	206	17,045	116
2. Middle Atlantic.....	206	980	946	6,035	16,696	34,060	124	1,207	63,857	453
3. Central.....	254	1,745	1,673	3,886	24,523	48,773	767	2,422	91,460	702
4. Southern.....	159	906	862	6,526	17,624	33,029	109	1,446	62,230	414
5. Northwestern.....	57	335	319	1,706	6,116	10,341	13	482	19,825	149
6. Midwestern.....	65	347	338	2,019	5,730	12,008	35	468	20,848	150
7. Southwestern.....	30	413	392	2,893	7,051	11,140	51	665	26,495	181
8. Rocky Mountain.....	73	265	251	1,725	3,466	7,157	268	366	15,779	120
9. Pacific.....	84	537	521	5,333	8,827	16,954	1,506	621	33,465	260
1964.....	1,025	6,199	5,918	32,785	94,713	187,431	2,930	8,209	364,930	2,754
1. New England.....	67	243	239	1,891	3,999	6,824	-	214	17,789	128
2. Middle Atlantic.....	214	1,065	1,025	6,144	17,036	34,931	155	1,253	65,997	488
3. Central.....	271	1,886	1,805	4,042	23,649	49,525	707	2,549	96,661	763
4. Southern.....	159	958	911	6,772	17,561	34,478	178	1,460	63,603	442
5. Northwestern.....	57	352	331	1,740	6,415	11,017	-	475	20,513	158
6. Midwestern.....	65	367	356	2,029	5,688	12,611	38	476	20,381	155
7. Southwestern.....	68	449	419	2,710	7,480	12,209	53	703	27,089	194
8. Rocky Mountain.....	33	288	269	1,792	3,440	7,622	265	391	16,514	131
9. Pacific.....	91	592	563	5,665	9,445	18,214	1,534	687	36,383	294

- Represents zero. ¹ See footnote 5, table 828.

² Excludes drivers of equipment engaged to perform "purchased transportation" service.

Source of tables 828 and 829: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 7.

No. 830. CLASS I INTERCITY MOTOR CARRIERS OF PASSENGERS—SUMMARY OF FINANCIAL AND OPERATING STATISTICS: 1950 to 1965

[All money figures in millions of dollars, except as indicated. Excludes Alaska and Hawaii. See headnote, table 828. Excludes carriers subject to ICC jurisdiction engaged predominantly in local or suburban service and carriers engaged in transportation of both property and passengers]

ITEM	1950	1955	1960	1964	1965
Number of carriers reporting	172	140	143	161	155
Investment in carrier operating property	286	373	466	631	(NA)
Reserve for depreciation and amortization	144	197	257	317	(NA)
Income statement:					
Operating revenue	351	362	463	655	635
Passenger revenue ¹	325	315	382	521	491
Special bus revenue	12	22	36	64	67
Other operating revenue	15	25	45	70	77
Expenses	315	331	405	570	538
Operation and maintenance expenses	265	270	334	474	(NA)
Depreciation and amortization ²	27	27	29	38	(NA)
Operating taxes and licenses ³	29	30	36	47	(NA)
Operating rents, net	4	3	6	11	(NA)
Operating ratio (percent expenses of operating revenue)	90.7	91.4	87.5	87.0	84.7
Net operating revenue	36	31	58	85	90
Other income, less income deductions	4	4	4	-	(NA)
Net income before income taxes	35	29	55	85	(NA)
Net income after income taxes	19	16	28	52	(NA)
Dividend appropriations and withdrawals ⁴	16	28	3	10	(NA)
Operating statistics and averages:					
Passenger vehicles owned, end of year	13,200	11,547	10,946	14,274	(NA)
Vehicle-miles of owned and leased passenger vehicles ⁵	1,000	958,530	859,207	843,239	1,055,594
Number of revenue passengers carried	1,000	389,898	293,244	267,507	507,802
Miles per vehicle ⁶		65,411	64,128	65,567	67,671
Average fare per passenger, per carrier, intercity service	\$1.01	\$1.37	\$2.12	\$2.43	(NA)
Passenger revenue per vehicle-mile, regular-route intercity	\$0.35	\$0.38	\$0.49	\$0.53	(NA)
Expense per vehicle-mile ⁷	\$0.33	\$0.38	\$0.48	\$0.54	(NA)

- Represents zero. NA Not available.

¹ Regular-route intercity and local revenue. ² Amortization represents a very small part of this total.

³ Excludes Federal and State income taxes. ⁴ Deduct. ⁵ Withdrawals of sole proprietors and partners.

⁶ Includes bus-miles of vehicles operated under "purchased transportation" arrangements.

⁷ Averages for owned and leased vehicles. ⁸ See footnote 6, table 828.

No. 831. CLASS I INTERCITY MOTOR CARRIERS OF PASSENGERS—SELECTED OPERATING STATISTICS, BY REGIONS: 1963 AND 1964

[Excludes Alaska and Hawaii. See headnote, table 830; for description of regions, see headnote, table 829]

YEAR AND REGION	Number of carriers reporting	Operating revenue (\$1,000)	Total expenses (\$1,000)	PASSENGER VEHICLES		REGULAR-ROUTE INTERCITY			EMPLOYEES	
				Total ¹	Intercity ²	Vehicle-miles (1,000)	Revenue passengers carried (1,000)	Average fare per passenger, per carrier	Average number	Compensation (\$1,000)
1963	148	609,756	529,008	15,338	9,953	800,461	175,909	\$2.38	42,070	270,096
1. New England	12	19,379	18,357	683	327	19,465	5,795	1.75	1,650	9,154
2. Middle Atlantic	42	125,504	121,022	4,667	1,425	88,137	45,414	1.09	11,004	65,998
3. Central	22	115,038	97,687	1,895	1,780	153,934	29,731	3.14	7,383	50,379
4. Southern	20	114,605	94,144	2,451	2,243	185,825	41,688	2.14	7,154	46,027
5. Northwestern	4	2,051	1,825	79	64	3,421	486	2.53	126	734
6. Midwestern	7	20,280	18,555	525	337	37,889	3,490	4.50	1,173	6,958
7. Southwestern	23	52,314	44,170	2,114	1,291	90,197	15,024	2.52	3,712	20,082
8. Rocky Mountain	10	7,308	6,695	348	290	12,293	2,144	2.32	617	3,211
9. Pacific	8	153,268	126,552	2,676	2,196	209,299	32,142	3.65	9,251	68,553
1964	161	655,089	570,144	16,157	10,442	833,413	182,229	2.43	43,455	287,630
1. New England	17	22,710	20,868	867	443	22,073	8,161	1.45	1,742	10,085
2. Middle Atlantic	47	137,140	131,423	4,813	1,566	94,869	48,196	1.15	11,364	70,707
3. Central	23	123,483	103,767	2,088	2,004	162,185	26,067	3.42	7,756	53,139
4. Southern	23	128,898	107,947	2,727	2,303	203,839	44,471	2.20	7,642	49,651
5. Northwestern	4	2,295	2,007	91	66	3,550	508	2.54	133	850
6. Midwestern	7	21,768	20,018	546	363	36,468	3,454	4.64	1,288	7,650
7. Southwestern	22	55,006	46,788	2,122	1,310	90,692	14,985	2.58	3,679	20,947
8. Rocky Mountain	10	7,806	7,277	333	350	12,282	2,131	2.38	618	3,344
9. Pacific	8	155,966	130,049	2,570	2,137	207,454	31,256	3.73	9,233	71,258

¹ Comprises average number operated in intercity service during year and number owned in local operations at close of year. ² Comprises vehicles owned, leased, and operated under "purchased transportation" arrangements, operated in intercity revenue service.

Source of tables 830 and 831: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 7, and unpublished data.

No. 832. INTERCITY MANUFACTURER'S SHIPMENTS: 1963

["Shipper group" is a general class of industrial establishments primarily engaged in manufacturing the type of products indicated in the group designation. Data for commodity groups relate to products manufactured in continuous U.S. factories, except those primarily distributing their commodities to local markets and those which involved special problems. "N.e.c." means not elsewhere classified. Based on sample]

ITEM	SHIPMENTS					DISTANCE OF SHIPMENTS				
	Total (mil. tons)	Percent by means of transport				Total (bil. ton-miles) ^{1,2}	Percent by means of transport			
		Rail	Motor carrier	Private truck	Water ¹		Rail	Motor carrier	Private truck	Water ¹
Total shipper group³	1,335	33	26	16	25	620	36	14	5	44
Meat and dairy products.....	40	27	30	43	(Z)	16	46	36	16	(Z)
Canned and frozen foods ⁴	126	60	22	17	1	49	75	17	7	1
Candy, beverages, and tobacco prod.	44	22	30	46	2	14	54	28	16	3
Textile mill and leather products.....	13	14	65	19	(Z)	6	25	59	12	(Z)
Apparel and related products.....	4	9	62	11	-	2	10	62	7	(Z)
Paper and allied products.....	66	50	33	14	2	27	71	21	5	2
Basic chemicals, plastics materials ⁵	80	54	23	10	12	36	62	14	4	20
Drugs, paints, other chem. prod.....	60	42	35	20	2	23	62	24	7	5
Petroleum and coal products.....	398	8	10	8	74	274	4	2	1	93
Rubber and plastics products.....	9	25	63	9	(Z)	5	37	52	6	1
Lumber and wood prod. (exc. furn.).....	70	54	14	30	2	42	84	7	7	3
Furniture, fixtures, and misc. manufactured products.....	9	22	40	36	(Z)	4	41	36	18	2
Stone, clay, and glass products.....	176	30	36	28	6	28	46	31	15	8
Primary iron and steel products.....	121	53	36	4	6	34	62	24	2	11
Primary nonferrous metal products.....	19	52	34	11	3	11	73	21	4	1
Fabricated metal products ⁶	16	23	43	32	1	6	40	37	18	(Z)
Metal cans ⁷	13	27	55	15	1	5	42	47	7	2
Industrial machinery (exc. electrical).....	6	21	65	8	1	3	25	63	4	(Z)
Machinery (exc. elect. and ind.).....	14	37	51	10	(Z)	9	51	40	5	1
Communication products and parts.....	2	22	56	9	(Z)	2	28	49	4	1
Electrical products and supplies.....	10	34	50	13	(Z)	6	48	40	7	1
Motor vehicles and equipment.....	35	51	42	6	(Z)	16	70	26	3	(Z)
Transportation equipment ⁸	3	36	39	22	1	1	33	44	16	1
Instruments, photo. equip. ⁹	1	13	70	8	(Z)	1	28	58	3	(Z)
Total commodity group	1,335	33	26	16	25	620	36	14	5	44
Food and kindred products.....	205	46	24	29	1	77	66	22	10	1
Tobacco products.....	2	51	47	(Z)	-	1	68	30	-	-
Basic textiles.....	11	11	67	21	-	6	23	61	13	(Z)
Apparel ¹⁰	4	7	64	11	-	2	9	64	6	(Z)
Lumber and wood prod. (exc. furn.).....	70	54	15	29	2	42	84	7	7	3
Furniture and fixtures.....	8	24	39	36	-	4	44	36	18	(Z)
Pulp, paper, and allied products.....	61	52	32	12	2	26	73	20	4	2
Chemicals and allied products.....	135	47	29	14	10	56	58	19	5	17
Petroleum and coal products.....	378	8	11	8	73	254	4	2	1	93
Rubber and misc. plastics products.....	9	21	69	8	(Z)	5	32	58	6	1
Leather and leather products.....	2	10	66	17	(Z)	1	19	58	9	(Z)
Stone, clay, and glass products.....	164	30	37	26	6	27	47	30	14	9
Primary metal products.....	130	51	38	5	5	44	66	24	3	8
Fabricated metal products.....	34	32	44	21	1	13	44	39	12	2
Machinery (exc. electrical).....	22	37	52	8	1	13	47	45	4	1
Electrical machinery and equip.....	11	29	53	13	1	7	40	45	7	1
Transportation equipment.....	35	50	42	7	(Z)	17	69	26	4	(Z)
Instruments, photo., equip. ⁹	1	14	69	8	(Z)	1	28	58	4	(Z)
Misc. products of manufacturing.....	3	21	55	16	1	2	40	43	8	2
Waste and scrap materials.....	10	77	11	7	5	1	74	14	5	7
Misc. commodities, n.e.c. ¹¹	40	18	66	4	(Z)	24	10	67	2	-

- Represents zero. Z Less than 0.5 percent.

¹ Includes air, other, and unknown, not shown separately.

² A ton-mile is the movement of 1 ton (2,000 pounds of freight for the distance of 1 mile).

³ The 24 groups combined represent essentially all manufacturing establishments, except for printing and publishing, manufactured ice, ordnance plants, fluid milk, bakery products, and primary forest products.

⁴ Includes other food products. Excludes meat and dairy products.

⁵ Includes synthetic rubber and fibers. ⁶ Excludes metal cans and miscellaneous metal products.

⁷ Includes miscellaneous fabricated metal products. ⁸ Excludes motor vehicles.

⁹ Includes watches and clocks, commodity group also includes optical goods.

¹⁰ Includes knit apparel and other finished textile products.

¹¹ Plants classified in printing, publishing, and allied industries were not included in the survey. Incidental shipments of advertising brochures, instruction manuals, etc. made by plants classified in other industries are included in miscellaneous; percent by means of transport refers only to shipments of such commodities.

Source: Dept. of Commerce, Bureau of the Census; 1963 Census of Transportation, Vol. III, *Commodity Transportation Survey*.

No. 833. MOTOR-VEHICLE ACCIDENTS—PERSONS KILLED OR INJURED, BY CHARACTERISTICS OF ACCIDENTS: 1950 TO 1966

[Percent distribution. Estimates based on summaries of motor vehicle accidents prepared by various States]

CHARACTERISTIC	PERSONS KILLED				PERSONS INJURED			
	1950	1960	1965	1966	1950	1960	1965	1966
Number.....	35,500	38,000	48,500	52,500	1,799,800	3,078,000	4,100,000	4,400,000
Percent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TYPE OF ACCIDENT								
Collision with—								
Automobile.....	35.0	39.5	41.2	40.9	57.5	74.9	72.5	74.4
Pedestrian.....	28.5	20.0	18.6	18.3	16.6	8.3	6.7	6.3
Fixed object.....	8.5	10.7	10.5	11.4	6.5	4.8	5.1	5.3
Other ¹	6.0	4.8	4.5	4.6	3.2	2.1	2.4	2.2
Noncollision.....	24.0	25.0	25.2	24.8	16.2	9.9	13.3	11.8
WEATHER CONDITION								
Clear.....	81.3	87.4	84.8	86.9	78.4	83.9	78.6	82.0
Fog.....	2.8	1.2	2.0	1.9	1.8	0.7	1.5	1.2
Rain.....	14.0	9.0	11.0	9.9	16.2	10.6	15.4	13.5
Snow.....	1.9	2.4	2.2	1.3	3.6	4.8	4.5	3.3
ROAD CONDITION								
Dry.....	75.1	79.2	77.4	78.7	68.7	71.5	69.1	69.6
Wet.....	21.4	15.1	17.9	17.0	24.5	16.5	22.4	22.2
Snowy.....	1.5	2.8	1.4	1.3	3.0	5.8	2.6	2.7
Icy.....	2.0	2.9	3.3	3.0	3.8	6.2	5.9	5.5
DAY OF ACCIDENT								
Sunday.....	20.1	17.7	18.7	18.3	17.7	15.2	13.6	14.0
Monday.....	12.4	11.5	10.9	10.6	13.2	13.5	13.2	13.5
Tuesday.....	10.8	11.6	10.0	10.3	11.8	12.2	11.9	11.7
Wednesday.....	11.6	10.5	11.2	11.0	12.1	12.1	12.9	12.2
Thursday.....	11.3	11.2	11.9	11.5	12.4	13.5	13.9	13.0
Friday.....	13.6	16.0	15.4	16.7	14.7	16.0	16.5	17.2
Saturday.....	20.2	21.5	21.9	21.6	18.1	17.5	18.0	18.4
HOUR OF ACCIDENT								
Midnight to 6 a.m.....	21.6	22.3	22.2	19.6	12.7	10.9	10.7	10.5
6 a.m. to noon.....	14.8	15.6	14.8	17.6	19.2	22.0	21.8	20.7
Noon to 6 p.m.....	28.3	27.8	28.7	30.0	38.6	40.5	39.7	40.0
6 p.m. to midnight.....	35.3	34.3	34.3	32.8	29.5	26.6	27.8	28.8
AGE OF VICTIMS								
Under 10 years.....	(NA)	(NA)	7.6	7.2	(NA)	(NA)	8.9	8.7
10 to 19 years.....	(NA)	(NA)	15.9	17.7	(NA)	(NA)	21.4	22.0
20 to 34 years.....	(NA)	(NA)	28.4	28.6	(NA)	(NA)	31.6	31.6
35 to 54 years.....	(NA)	(NA)	24.3	22.9	(NA)	(NA)	25.7	25.3
55 years and over.....	(NA)	(NA)	23.8	23.6	(NA)	(NA)	12.4	12.4

NA. Not available.

¹ Railroad train, bicycle, other vehicle, and miscellaneous.

Source: The Travelers Insurance Companies, Hartford, Connecticut; annual report, *The Travelers Book of Street and Highway Accident Data*.

No. 834. DEATHS FROM MOTOR-VEHICLE ACCIDENTS, BY TYPE OF ACCIDENT: 1950 TO 1966

ITEM	1950	1955	1960	1963	1964	1965 (prel.)	1966 (prel.)
Traffic deaths ¹	34,763	38,426	38,137	43,564	47,700	49,000	52,500
Noncollision accidents.....	10,600	12,100	11,900	13,800	14,600	14,900	16,000
Collision accidents:							
With other motor vehicles.....	11,650	14,500	14,800	17,600	19,600	20,700	22,300
With pedestrians.....	9,000	8,200	7,850	8,200	9,000	8,800	9,000
With other vehicles or objects.....	3,490	3,605	3,613	3,955	4,495	4,600	5,200
Traffic death rates:							
Per 100,000 population ²	23.0	23.4	21.2	23.1	24.9	25.3	26.8
Per 10,000 motor vehicles.....	7.1	6.1	5.1	5.2	5.5	5.3	5.5
Per 100 million vehicle miles.....	7.6	6.4	5.3	5.4	5.6	5.5	5.6

¹ Totals do not equal sums of various types because the estimates are generally made only to nearest 10 deaths, and to nearest 50 deaths for certain types.

² Based on Bureau of the Census estimated population as of July 1, excluding Armed Forces abroad.

Source: National Safety Council, Chicago, Ill.; annual report, *Accident Facts*. (Copyright.)

No. 835. DRIVER AND PEDESTRIAN ACTION IN ACCIDENTS: 1950 TO 1966

[Percent distribution. See headnote, table 833]

TYPE OF ACTION	PERSONS KILLED				PERSONS INJURED			
	1950	1960	1965	1966	1950	1960	1965	1966
DRIVER ACTION								
Number.....	26,700	30,400	41,600	44,600	1,210,000	2,600,000	3,682,000	3,868,000
Percent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Exceeded speed limit.....	49.8	36.1	41.1	41.4	39.3	38.5	42.2	35.2
On wrong side of road.....	17.8	17.0	16.4	14.7	8.7	6.7	6.8	6.3
Had not right-of-way.....	10.4	12.8	13.0	13.9	26.6	22.5	18.9	19.5
Drove off roadway.....	5.2	16.6	10.5	11.1	2.9	8.3	6.9	7.2
Reckless driving.....	8.5	12.5	14.9	14.7	9.0	13.5	19.2	26.0
Other ¹	8.3	5.0	4.1	4.2	13.5	10.5	6.0	5.8
PEDESTRIAN ACTION								
Number of pedestrians...	9,400	7,600	9,000	9,600	299,500	255,500	274,700	277,200
Percent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crossing at intersection:								
With signal.....	4.6	6.2	4.8	7.6	10.1	11.9	8.6	10.0
Against signal.....	6.3	7.1	8.6	8.6	9.4	8.5	9.5	10.1
No signal.....	13.5	15.9	7.4	8.2	13.6	12.3	8.1	8.6
Crossing between intersections.....	39.8	37.1	40.8	37.8	26.1	32.2	31.6	24.9
Children playing in street.....	5.8	5.3	3.3	3.3	18.6	6.6	6.8	6.7
At work in road.....	3.1	2.9	2.8	3.1	2.7	2.2	1.8	1.9
Coming from behind parked car.....	6.7	6.2	6.9	5.4	9.1	15.7	16.8	15.3
Walking on rural highway.....	13.0	10.0	15.6	15.1	2.3	2.4	7.6	6.3
Not on roadway.....	3.5	4.2	4.7	4.4	6.5	4.5	3.6	4.4
Other ²	3.7	5.1	5.1	6.5	3.6	3.7	6.1	11.8

¹ Cutting in; improper passing; no or improper signalling; movement of driverless car; miscellaneous.

² Standing on safety isle; getting on or off other vehicle; riding or hitching on vehicle; miscellaneous.

Source: The Travelers Insurance Companies, Hartford, Connecticut; annual report, *The Travelers Book of Street and Highway Accident Data*.

No. 836. DEATHS FROM MOTOR-VEHICLE ACCIDENTS—PLACE OF DEATH, BY STATES: 1950 TO 1965

STATE	1950	1955	1960	1964	1965	STATE	1950	1955	1960	1964	1965
U.S. ¹	34,763	38,426	38,137	46,930	49,163	Mo.....	902	1,079	1,078	1,324	1,349
Ala.....	859	859	928	1,062	1,237	Mont.....	209	244	231	276	278
Alaska.....	22	31	43	45	57	Nebr.....	317	331	310	465	397
Ariz.....	333	384	507	456	498	Nev.....	122	186	182	234	173
Ark.....	365	447	449	645	657	N.H.....	103	110	103	157	138
Calif.....	3,082	3,524	3,837	4,903	4,952	N.J.....	715	815	764	1,079	1,138
Colo.....	415	455	443	611	532	N. Mex.....	340	383	427	398	425
Conn.....	287	353	303	351	439	N.Y.....	1,961	2,163	2,034	2,749	2,874
Del.....	84	112	91	121	110	N.C.....	1,153	1,222	1,281	1,649	1,636
D.C.....	102	99	82	105	140	N. Dak.....	105	153	166	195	178
Fla.....	882	1,048	1,303	1,609	1,660	Ohio.....	1,850	2,089	1,933	2,068	2,369
Ga.....	928	1,122	1,070	1,367	1,400	Okla.....	504	569	686	794	759
Hawaii.....	74	64	111	105	94	Oreg.....	461	434	469	606	670
Idaho.....	243	184	231	260	235	Pa.....	1,656	1,872	1,685	1,972	2,288
Ill.....	1,953	1,877	1,564	1,486	2,311	R.I.....	87	94	60	106	115
Ind.....	1,136	1,189	1,164	1,458	1,531	S.C.....	627	696	690	851	849
Iowa.....	620	613	644	858	813	S. Dak.....	198	200	241	270	252
Kansas.....	546	613	535	687	677	Tenn.....	801	968	899	1,196	1,149
Ky.....	753	907	808	939	876	Tex.....	2,499	2,602	2,316	3,022	3,122
La.....	585	703	849	1,053	1,071	Utah.....	199	211	269	299	299
Maine.....	161	177	181	205	216	Vt.....	69	87	104	127	131
Md.....	480	500	527	608	742	Va.....	929	909	782	1,071	1,037
Mass.....	492	621	621	704	905	Wash.....	534	514	597	760	822
Mich.....	1,627	2,036	1,634	2,158	2,264	W. Va.....	400	398	371	483	484
Minn.....	558	613	750	898	908	Wis.....	857	954	926	1,058	1,064
Miss.....	325	562	669	738	724	Wyo.....	149	145	182	159	128

¹ Prior to 1960, excludes Alaska and Hawaii.

Source: Dept. of Health, Education, and Welfare, Public Health Service; annual report, *Vital Statistics of the United States*.

No. 837. RAILROADS—SUMMARY STATISTICS: 1930 TO 1965

[As of December 31. Prior to 1960, excludes Alaska and Hawaii. Includes intercorporate duplications. See also *Historical Statistics, Colonial Times to 1957*, series Q 44-124]

ITEM	1930	1940	1950	1960	1962	1963	1964	1965
Operating companies ¹.....number.....	775	574	471	407	395	395	380	372
Road owned, first track ².....miles.....	249,052	233,670	223,779	217,552	215,090	214,387	212,059	211,384
Miles operated: ³								
Total, reporting railroads ⁴	429,883	405,975	396,380	381,745	376,290	374,522	372,300	370,636
Road, first track ⁴	260,440	245,740	236,857	230,169	227,851	227,282	226,753	226,015
Other main tracks.....	42,742	41,373	40,456	34,800	32,719	32,153	31,535	31,113
Yardtrack and sidings.....	126,701	118,862	119,067	116,776	115,720	115,087	114,012	113,500
Miles of road operated by receivers or trustees.....	9,486	75,270	12,223	1,259	2,113	1,748	1,732	1,690
Equipment:								
Locomotives in service.....number.....	60,189	44,333	42,951	31,178	30,701	30,506	30,296	30,061
Average tractive effort ⁵.....pounds.....	45,225	50,905	57,075	61,314	61,415	61,533	62,311	63,096
Cars in service:								
Passenger-train.....number.....	53,584	38,308	37,359	25,746	23,430	22,616	21,510	20,022
Freight train ⁷.....1,000.....	2,322	1,684	1,746	1,690	1,581	1,542	1,518	1,515
Average capacity ⁸.....tons.....	46.9	50.0	52.6	55.4	56.3	56.8	58.2	59.8
Capital and property investment: ⁹								
Road and equipment, book value ⁹								
mil. dol.....	26,051	25,646	30,174	35,513	34,361	34,519	34,869	35,489
Depreciation reserve ¹⁰.....mil. dol.....	2,361	3,095	6,629	8,532	8,982	9,144	9,265	9,342
Capital outstanding ¹¹.....mil. dol.....	24,331	23,371	20,399	17,854	16,690	16,736	(12)	(12)
Net capitalization.....mil. dol.....	19,066	17,630	15,618	14,150	12,968	12,840	(12)	(12)
Stock paying dividends.....mil. dol.....	7,702	3,741	6,769	5,617	4,286	4,462	4,927	4,845
Dividends declared.....mil. dol.....	603	217	349	412	394	413	492	533
Interest accrued on funded debt.....mil. dol.....	589	547	367	387	376	378	384	403
Income and expenses:								
Operating revenues.....mil. dol.....	5,356	4,355	9,587	9,642	9,563	9,685	9,985	10,425
Operating expenses.....mil. dol.....	3,994	3,132	7,135	7,657	7,508	7,542	7,830	8,003
Tax accruals.....mil. dol.....	354	403	1,212	1,020	926	906	891	949
Operating income.....mil. dol.....	1,008	820	1,240	964	1,130	1,236	1,264	1,473
Net income ⁸.....mil. dol.....	578	243	855	473	600	681	733	866
Passenger service:								
Passenger revenue.....mil. dol.....	731	418	815	641	620	590	579	556
Passengers carried.....millions.....	708	456	488	327	313	311	314	306
Passenger-miles.....millions.....	26,876	23,816	31,790	21,284	19,926	18,519	18,271	17,454
Commutation ¹³.....millions.....	6,669	3,997	4,990	4,197	4,046	4,101	4,199	4,128
Coach ¹³.....millions.....	(NA)	12,485	17,443	13,422	12,757	11,785	11,632	11,104
Parlor and sleeping car ¹³.....millions.....	(NA)	7,288	9,338	3,643	3,102	2,611	2,416	2,156
Revenue per passenger-mile.....cents.....	2.72	1.76	2.56	3.01	3.11	3.18	3.17	3.19
Average journey per passenger.....miles.....	37.96	52.22	65.14	65.05	63.65	59.55	58.12	57.07
Freight service:								
Freight revenue.....mil. dol.....	4,145	3,584	7,994	8,152	8,115	8,271	8,575	9,037
Revenue-tons originated.....millions.....	1,220	1,069	1,421	1,301	1,294	1,347	1,420	1,479
Tons carried one mile.....millions.....	385,815	375,369	591,550	575,360	595,774	625,170	662,089	705,705
Revenue ton-miles per mile of road.....1,000.....	1,481	1,526	2,497	2,497	2,612	2,750	2,918	3,121
Revenue per ton-mile.....cents.....	1.074	0.955	1.341	1.417	1.362	1.323	1.295	1.281
Haul per ton.....miles.....	316.21	351.13	416.32	442.14	460.57	463.97	466.17	477.15
Number of employees, average.....1,000.....	1,517	1,046	1,237	793	711	691	675	655
Compensation of employees.....mil. dol.....	2,589	1,991	4,645	4,957	4,722	4,690	4,758	4,887
Accidents: ¹⁴								
Persons killed.....number.....	5,665	4,740	3,486	2,248	2,106	2,140	2,423	2,399
Persons injured.....number.....	49,443	29,606	33,267	19,577	26,880	27,456	27,614	25,789

NA Not available.

¹ Line-haul operating.

² Excludes all duplications; also excludes some mileage in Canada.

³ Includes some duplication under trackage rights and some mileage in Canada.

⁴ Excludes circular and unofficial.

⁵ 1930-1950 average for steam locomotives only; beginning 1960, all locomotives.

⁶ Covers class I railroads, excluding switch and terminal companies. ⁷ Excludes caboose cars. ⁸ Includes lessors.

⁹ 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. Includes lessor companies and proprietary companies except those which are part of systems filing consolidated annual reports.

¹⁰ For 1950 and later years, includes amortization of defense projects and proprietary companies.

¹¹ Comprises actually outstanding, nominally issued, and nominally outstanding securities, and equipment obligations. ¹² Series discontinued. ¹³ Class I railroads. ¹⁴ Includes highway grade crossing casualties.

Source: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part I, and *Accident Bulletin*.

No. 838. RAILROAD COMPANIES, BY CLASS: 1950 TO 1965

[Prior to 1960, excludes Alaska and Hawaii. See text, p. 552, for explanation of class limits]

CLASS OF COMPANY	1950	1955	1960	1961	1962	1963	1964	1965
Total	1,038	935	842	824	814	807	772	763
Class I line-haul operating.....	127	126	106	103	103	102	98	76
Lessors to class I.....	179	155	128	125	124	121	122	116
Class II line-haul operating.....	171	155	304	297	292	290	287	302
Lessors to class II.....	6	8	8	8	8	10	10	15
Class III ¹	175	163	(X)	(X)	(X)	(X)	(X)	(X)
Switching and terminal ²	253	237	221	219	215	215	207	205
Proprietary ³	100	67	53	51	50	47	46	45
Circular.....	18	18	21	19	18	17	—	—
Unofficial.....	9	6	1	2	4	5	2	4

X Not applicable. ¹ Classification terminated in 1956.² Includes operating, lessor, proprietary, circular, and unofficial companies.³ Excludes those in systems which file consolidated reports combining mileage, investment, and other items on a net system basis.Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1955, *Transport Statistics in the United States*, Part 1.

No. 839. RAILROADS—EQUIPMENT IN SERVICE: 1950 TO 1965

[Prior to 1960, excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series Q 53-65]

ITEM	1950	1955	1960	1962	1963	1964	1965
Locomotives	42,951	33,533	31,178	30,701	30,506	30,296	30,061
Steam.....	26,680	6,266	374	136	112	93	89
Electric.....	827	630	498	441	438	402	365
Diesel.....	15,396	26,563	30,240	30,087	29,898	29,745	29,552
Other.....	48	65	66	87	58	56	55
New units installed ¹	3,215	1,097	389	764	834	963	1,387
Freight cars ²	1,745,778	1,723,747	1,690,396	1,581,213	1,542,456	1,517,564	1,515,169
Box.....	718,150	723,962	700,331	647,602	625,400	603,828	593,198
Gondola and hopper.....	874,801	845,809	831,473	778,187	760,192	753,957	753,892
Other.....	152,827	153,976	158,592	155,424	156,864	159,779	168,079
Aggregate capacity ¹.....1,000 tons.....	90,465	91,229	91,948	87,223	85,943	86,672	88,323
Average capacity ¹ tons.....	52.6	53.7	55.4	56.3	56.8	58.2	59.8
New units installed ¹	40,032	29,070	54,032	29,237	33,245	52,308	62,859
Passenger-train cars	37,359	32,118	25,746	23,430	22,616	21,510	20,022
Coaches.....	16,488	13,543	10,287	9,432	9,286	8,739	8,086
Baggage, express, and other non-passenger.....	75	75	76	77	78	79	76
Average seating capacity ¹	13,617	13,388	10,077	9,356	9,027	8,834	8,411
Other.....	7,054	5,187	5,382	4,642	4,303	3,937	3,525
New units installed ¹	1,078	412	251	304	156	399	666
Air-conditioned cars ³	16,747	14,784	11,787	10,423	9,950	8,980	(NA)

NA Not available. ¹ Class I railroads.² Excludes caboose cars. ³ Class I railroads and Pullman Company.Source: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 1.

No. 840. RAILROADS (CLASS I)—FUEL AND POWER CONSUMED AND RAILS AND TIES LAID: 1950 TO 1965

[Line-haul railroads only. See text, p. 552, for explanation of class limits. See *Historical Statistics, Colonial Times to 1957*, series Q 128-137, for related data]

ITEM	1950	1955	1960	1963	1964	1965
Fuel and power consumed:						
Coal.....1,000 short tons.....	55,452	11,427	39	7	7	4
Fuel oil.....mil. gal.....	2,284	376	89	90	85	77
Diesel oil.....mil. gal.....	1,827	3,393	3,472	3,545	3,630	3,742
Electricity.....mil. kw-hr.....	2,260	2,082	1,641	1,609	1,515	1,509
Rails and ties laid:						
Rails (replacement and betterment).....1,000 short tons.....	2,454	1,890	915	947	1,009	1,022
Ties (in previously constructed tracks):						
Cross-ties.....1,000.....	30,494	24,149	14,319	13,667	14,738	14,760
Switch and bridge ties.....1,000 board ft.....	98,400	79,098	49,902	46,921	49,333	48,189

Source: Interstate Commerce Commission; *Annual Report*.

No. 841. RAILROADS—MILES OF ROAD OWNED, STATES: 1940 TO 1965

[As of December 31. Data are for actual length of line in each State without duplication]

STATE	1940	1950	1960	1965	STATE	1940	1950	1960	1965
U. S.	234,398	224,371	217,552	211,384	S. A.—Con.				
N. E.	6,677	6,396	6,088	5,735	W. Va.....	3,831	3,719	3,681	3,561
Maine.....	1,882	1,830	1,784	1,689	N. C.....	4,668	4,435	4,310	4,245
N. H.....	1,002	936	854	815	S. C.....	3,466	3,223	3,284	3,261
Vt.....	919	889	811	770	Ga.....	6,334	6,043	5,854	5,565
Mass.....	1,793	1,726	1,633	1,573	Fla.....	5,218	4,793	4,655	4,576
R. I.....	194	185	181	154	E. S. C.	16,179	15,574	15,233	15,120
Conn.....	887	830	825	734	Ky.....	3,691	3,641	3,526	3,534
M. A.	20,175	19,180	17,469	16,349	Tenn.....	3,573	3,471	3,402	3,339
N. Y.....	7,739	7,493	6,463	5,802	Ala.....	4,996	4,723	4,646	4,612
N. J.....	2,108	1,992	1,914	1,845	Miss.....	3,919	3,739	3,650	3,635
Pa.....	10,328	9,695	9,092	8,702	W. S. C.	31,497	29,771	28,341	27,466
E. N. C.	41,281	39,851	38,949	38,054	Ark.....	4,482	4,104	3,872	3,694
Ohio.....	8,501	8,418	8,322	8,131	La.....	4,357	4,079	3,937	3,818
Ind.....	6,889	6,652	6,593	6,524	Okla.....	6,302	5,977	5,777	5,570
Ill.....	11,949	11,643	11,201	10,956	Tex.....	16,356	15,611	14,755	14,384
Mich.....	7,303	6,803	6,640	6,408	Mt.	23,518	22,101	21,355	20,883
Wis.....	6,639	6,335	6,193	6,035	Mont.....	5,149	5,059	4,987	4,939
W. N. C.	48,293	47,108	46,367	45,423	Idaho.....	2,746	2,713	2,685	2,668
Minn.....	8,421	8,333	8,174	8,001	Wyo.....	2,008	1,925	1,882	1,848
Iowa.....	8,950	8,585	8,561	8,369	Colo.....	4,552	4,273	3,786	3,760
Mo.....	7,042	6,735	6,582	6,412	N. Mex.....	2,812	2,496	2,473	2,226
N. Dak.....	5,266	5,256	5,194	5,195	Ariz.....	2,228	2,197	2,184	2,051
S. Dak.....	4,006	3,958	3,920	3,905	Utah.....	2,082	1,788	1,736	1,756
Nebr.....	6,044	5,800	5,721	5,553	Nev.....	1,941	1,650	1,647	1,635
Kans.....	8,564	8,441	8,215	7,988	Pac.	17,303	16,466	16,388	15,630
S. A.	29,475	27,924	27,362	26,724	Wash.....	5,243	5,124	4,987	4,936
Del.....	295	295	293	293	Oreg.....	3,385	3,217	3,174	3,157
Md.....	1,367	1,309	1,141	1,135	Calif.....	7,947	7,533	7,630	7,492
D. C.....	35	34	31	31	Alaska.....	536	567	572	20
Va.....	4,261	4,073	4,113	4,057	Hawaii.....	192	25	25	25

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1960, *Transport Statistics in the United States*, Part 1.

No. 842. RAILROADS (CLASS I)—REVENUES, EXPENSES, INCOME, AND CAPITAL EXPENDITURES: 1950 TO 1966

[In millions of dollars. See text, p. 552, for explanation of class limits. See also *Historical Statistics, Colonial Times to 1957*, series Q 103-117]

ITEM	1950	1955	1960	1962	1963	1964	1965	1966 (prel.)
Operating revenues.....	9,473	10,106	9,514	9,440	9,560	9,857	10,208	10,655
Freight.....	7,817	8,538	8,025	7,991	8,146	8,455	8,836	9,281
Passenger.....	813	743	640	619	588	578	553	544
Mail.....	374	287	331	344	339	329	311	304
Express.....	81	118	100	82	80	80	77	67
Other.....	387	420	417	404	407	414	431	459
Operating expenses.....	7,059	7,646	7,565	7,419	7,452	7,738	7,850	8,117
Maintenance.....	2,995	3,175	2,952	2,898	2,914	2,990	3,011	3,146
Way and structures.....	1,287	1,387	1,192	1,154	1,183	1,226	1,236	1,303
Equipment.....	1,708	1,788	1,760	1,743	1,732	1,764	1,775	1,843
Traffic.....	192	235	258	252	262	258	262	265
Transportation, rail line.....	3,491	3,770	3,833	3,755	3,771	3,921	4,020	4,139
Miscellaneous operations.....	110	108	82	77	71	68	67	66
General.....	271	357	441	436	443	501	490	500
Net revenue from railway operations.....	2,414	2,466	1,951	2,023	2,108	2,119	2,358	2,538
Tax accruals.....	1,195	1,081	999	905	886	871	916	968
Operating income.....	1,219	1,385	952	1,117	1,221	1,248	1,442	1,570
Net railway operating income.....	1,040	1,128	584	726	806	818	962	1,046
Ratio of expenses to revenues (percent).....	74.5	75.6	79.5	78.6	78.0	78.5	76.9	76.2
Expenditures for capital improvements.....	1,065	908	919	833	1,045	1,417	1,631	1,953
Equipment.....	779	568	633	593	786	1,140	1,304	1,555
Roadway and structures.....	286	340	286	240	259	278	327	398

Source: Interstate Commerce Commission; *Annual Report*.

No. 843. RAILROADS (CLASS I)—SELECTED FREIGHT STATISTICS: 1950 TO 1966

[Excludes switching and terminal roads. Tons of 2,000 pounds. See text, p. 552, for explanation of class limits. See also *Historical Statistics, Colonial Times to 1957*, series Q 93]

ITEM	1950	1955	1960	1964	1965	1966
Average miles of road operated.....	225,339	223,291	219,381	215,678	212,133	211,474
Operating revenue.....mil. dol.	7,817	8,538	8,025	8,455	8,836	9,281
Per ton-mile.....cents..	1.33	1.37	1.40	1.28	1.27	(NA)
Per ton per road.....dollars..	3.04	3.25	3.51	3.38	3.48	(NA)
Revenue-tons:						
Originated.....millions..	1,354	1,393	1,241	(NA)	(NA)	(NA)
Carried.....millions..	2,570	2,607	2,281	2,499	2,539	2,638
Carried 1 mile.....millions..	588,578	623,615	572,309	659,327	697,736	738,252
Miles per revenue-ton per road (average haul).....	229.0	237.6	250.9	263.8	274.8	(NA)
Freight train miles.....millions..	515	476	405	415	421	437
Freight train car-miles:						
Loaded, revenue and nonrevenue.....millions..	19,644	20,099	17,287	17,487	17,885	18,304
Empty.....millions..	10,140	11,054	10,872	11,393	11,420	12,034
Net ton-miles per train-mile ¹	1,224	1,374	1,466	1,616	1,685	(NA)
Net ton-miles per loaded car-mile ¹	31.7	32.0	33.9	38.3	39.7	(NA)
Train-miles per train-hour.....	16.8	18.6	19.5	20.2	20.1	(NA)

NA Not available. ¹ Revenue and nonrevenue freight.

Source: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 1, and unpublished data.

No. 844. RAILROADS (CLASS I)—CARS OF REVENUE FREIGHT LOADED, BY PRINCIPAL COMMODITIES: 1940 TO 1966

[In thousands. Figures are 52-week totals. See text, p. 552, for explanation of class limits]

YEAR	Total	Grain and grain products	Live-stock	Coal	Coke	Forest products	Ore	Miscellaneous	Mdse., less than carload	Cars loaded with highway trailers
1940.....	36,358	1,835	685	6,820	549	1,800	2,148	14,842	7,679	(NA)
1945.....	41,918	2,784	894	8,296	695	2,039	2,474	19,258	5,529	(NA)
1950.....	38,903	2,466	491	7,240	727	2,226	2,529	18,955	4,269	(NA)
1955.....	37,636	2,033	441	6,508	616	2,275	2,846	19,087	3,230	168
1960.....	30,441	2,786	259	5,318	403	1,950	2,209	15,707	1,809	554
1963.....	28,871	2,804	164	5,533	386	1,872	1,765	15,478	868	797
1964.....	29,027	2,625	153	5,530	423	1,960	2,005	15,693	639	891
1965.....	29,248	2,662	125	5,555	428	1,978	1,956	16,084	459	1,034
1966.....	29,618	2,877	110	5,590	432	1,996	2,131	16,159	322	1,163

NA Not available.

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

No. 845. RAILROADS (CLASS I)—SELECTED PASSENGER STATISTICS: 1950 TO 1966

[See text, p. 552, for explanation of class limits. See also *Historical Statistics, Colonial Times to 1957*, series Q 87-89]

ITEM	1950	1955	1960	1965	1966 (prel.)
Average miles of road operated.....	150,349	120,711	94,117	76,993	73,173
Passenger revenue.....\$1,000..	813,417	742,945	640,268	552,775	543,357
Revenue per passenger-mile:					
Including commutation passengers.....cents..	2.56	2.60	3.01	3.18	(NA)
Excluding commutation passengers.....cents..	2.46	2.70	3.03	3.14	(NA)
Revenue passengers carried.....1,000..	486,194	431,999	325,872	298,877	300,370
Revenue passenger-miles.....millions..	31,760	28,526	21,258	17,389	17,095
Revenue passenger-miles per train-mile.....	88.5	95.2	100.9	100.0	(NA)
Revenue passenger-miles per car-mile.....	17.0	17.8	19.3	20.9	(NA)
Average journey per passenger per road.....miles..	65.3	66.1	65.3	58.2	(NA)
Passenger-train miles.....1,000..	357,618	298,602	209,367	172,344	164,264
Passenger-carrying car-miles.....1,000..	1,854,737	1,570,916	1,101,021	832,102	(NA)
Train-miles per train-hour.....	37.4	39.8	40.7	41.3	(NA)

NA Not available.

Source: Interstate Commerce Commission; *Annual Report*, and *Transport Statistics in the United States*, Part 1, and unpublished data.

No. 846. RAILROADS—EMPLOYEES, HOURS, AND COMPENSATION: 1950 TO 1966

[Excludes switching and terminal roads. See also *Historical Statistics, Colonial Times to 1957*, series Q141-142]

YEAR	ALL OPERATING CARRIERS ¹		CLASS I CARRIERS ²					
	Average number of employees	Total yearly compensation (\$1,000)	Average number of employees	Total hours (1,000)	Total yearly compensation (\$1,000)	Average hours per employee	Average compensation	
							Per hour ³	Per year
1950.....	1,236,879	4,644,890	1,220,401	2,876,591	4,594,423	2,357	\$1.60	\$3,765
1955.....	1,071,387	5,045,278	1,057,866	2,502,698	4,992,235	2,366	2.00	4,719
1960.....	793,071	4,956,902	780,971	1,840,615	4,893,622	2,358	2.66	6,270
1962.....	711,000	4,721,895	700,146	1,672,389	4,662,113	2,389	2.79	6,659
1963.....	690,585	4,690,053	679,867	1,640,868	4,629,784	2,414	2.82	6,810
1964.....	675,348	4,757,589	665,034	1,619,804	4,697,884	2,436	2.90	7,064
1965.....	654,670	4,886,740	639,961	1,564,736	4,793,066	2,445	3.06	7,490
1966 (prel.).....	(NA)	(NA)	630,895	1,541,093	4,879,273	2,443	3.17	7,734

NA Not available. ¹ Prior to 1960, excludes Alaska and Hawaii.

² See text, p. 552, for explanation of class limits.

³ Calculated for all classes of employees, including those not paid on an hourly basis.

Source: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 1, and Statement No. M-300.

No. 847. RAILROAD ACCIDENTS—PERSONS KILLED AND INJURED, BY STATUS: 1950 TO 1966

[As of December 31. Prior to 1960, excludes Alaska and Hawaii. Covers all reportable accidents, i.e. those resulting in personal casualty, or in damage to railroad property exceeding amounts specified by the Interstate Commerce Commission. Includes rail-highway grade crossing accidents. See also *Historical Statistics, Colonial Times to 1957*, series Q 143-152]

YEAR	TOTAL		PASSENGERS ¹		EMPLOYEES		TRESPASSERS		OTHER PERSONS ²	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
1950.....	3,486	33,267	180	3,419	392	22,586	1,215	942	1,699	6,320
1955.....	2,761	27,840	24	2,253	282	19,011	867	680	1,588	5,896
1960.....	2,248	19,577	32	1,463	198	13,710	617	564	1,401	3,840
1965.....	2,399	25,789	11	1,189	184	19,133	634	668	1,570	4,799
1966.....	2,684	28,552	23	1,244	168	18,651	678	702	1,815	4,955

¹ Data cover passengers on trains and travelers not on trains.

² Includes casualties sustained in nontrain accidents. Nontrain accidents are those not caused directly by operation or movement of trains, locomotives, or cars, but attributable to shop machinery or use of tools and apparatus that result in reportable casualties.

Source: 1950-1965, Interstate Commerce Commission; annual report, *Accident Bulletin*. Beginning 1966, Dept. of Transportation, Federal Railroad Administration; annual report, *Accident Bulletin*.

No. 848. HIGHWAY GRADE CROSSINGS—NUMBER AND ACCIDENTS: 1950 TO 1966

[Prior to 1960, excludes Alaska and Hawaii. Covers all railroads, except as noted. Excludes casualties due to suicide, mental derangement, and attempt to escape custody. See also headnote, table 847. See also *Historical Statistics, Colonial Times to 1957*, series Q 125-127]

YEAR	HIGHWAY GRADE CROSSINGS ¹			ACCIDENTS				
	Total	Specially protected ²	Eliminated by separation of grades	Number	All persons		Involving motor vehicles	
					Number killed	Number injured	Persons killed	Persons injured
1950.....	227,364	35,968	61	4,000	1,576	4,368	1,393	4,206
1955.....	226,318	39,060	84	3,846	1,446	4,014	1,313	3,886
1960.....	224,513	42,267	102	3,195	1,364	3,424	1,254	3,277
1964.....	218,723	43,990	159	3,755	1,543	3,783	1,432	3,676
1965.....	215,961	44,333	59	3,820	1,534	3,801	1,434	3,663
1966.....	(NA)	(NA)	(NA)	4,117	1,782	4,073	1,657	3,927

NA Not available. ¹ Class I railroads only.

² Includes crossings with operated gates or watchmen, or both, during at least part of day; and those with audible or visible signals, or both. Excludes those with fixed signs only.

Source: Interstate Commerce Commission; annual reports, *Accident Bulletin*, *Statistics of Railways in the United States*, and, beginning 1955, *Transport Statistics in the United States*, Part 1. Beginning 1966, accident data from Dept. of Transportation, Federal Railroad Administration; annual report, *Accident Bulletin*.

No. 849. PULLMAN COMPANY OPERATIONS: 1940 TO 1966

[Excludes Alaska and Hawaii. See also *Historical Statistics, Colonial Times to 1957*, series Q 138-140]

YEAR	Average miles of road over which operations conducted	Revenue-passenger miles ¹ (millions)	Employees, annual average	YEAR	Average miles of road over which operations conducted	Revenue-passenger miles ¹ (millions)	Employees, annual average
1940.....	109,595	8,214	20,877	1962.....	61,278	2,905	6,392
1945.....	95,765	27,276	41,601	1963.....	59,708	2,516	5,902
1950.....	102,722	10,558	22,820	1964.....	52,994	2,218	5,544
1955.....	89,124	6,882	18,061	1965.....	51,057	2,014	5,347
1960.....	67,467	3,358	7,320	1966.....	45,807	1,969	4,905

¹ Beginning 1940, includes operations on Canadian and Mexican railroads; excludes chartered car operations.Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1955, *Transport Statistics in the United States*. (1955-1962, Part 2; beginning 1963, Part 1.)

No. 850. PETROLEUM PIPELINE COMPANIES—SUMMARY OF SELECTED FINANCIAL DATA: 1940 TO 1965

[In thousands of dollars, except miles of line operated. Prior to 1960, excludes Alaska and Hawaii. Refers to pipeline companies operating in interstate commerce and subject to jurisdiction of Interstate Commerce Commission. See *Historical Statistics, Colonial Times to 1957*, series Q 342, for miles of line operated]

YEAR	Miles of line operated	Investment in carrier property	Other investments	Total current assets	Pipeline operating revenues	Pipeline operating expenses	Pipeline operating income	Net income
1940.....	100,156	841,977	64,095	47,163	225,760	101,919	82,558	79,857
1945.....	113,351	1,042,523	86,713	115,370	304,268	191,668	67,127	65,941
1950.....	128,589	1,655,973	100,798	192,291	441,627	254,701	89,047	81,303
1955.....	140,374	2,585,565	80,679	352,762	677,605	346,985	176,257	153,334
1960.....	151,968	3,299,501	113,504	393,028	770,417	417,940	198,911	169,398
1962.....	155,053	3,518,420	81,817	432,084	810,605	426,363	227,030	203,800
1963.....	156,812	3,914,665	99,230	534,686	840,260	437,701	232,220	200,770
1964.....	159,533	4,040,385	152,535	530,431	865,079	* 502,456	362,623	209,527
1965.....	161,412	4,177,562	159,060	555,254	908,817	* 515,113	388,705	217,761

¹ Represents investments and special funds. ² Includes pipe-line taxes but not Federal income taxes.

No. 851. PETROLEUM PIPELINES—OIL TRANSPORTED: 1950 TO 1965

[Prior to 1960, excludes Alaska and Hawaii. See headline, table 850. See *Historical Statistics, Colonial Times to 1957*, series Q 343-344, for oil originated]

ITEM	1950	1955	1960	1962	1963	1964	1965
Number of companies.....	76	84	87	92	94	90	89
Mileage operated.....	128,589	140,374	151,968	155,053	156,812	159,533	161,412
Gathering lines.....	47,593	50,645	49,401	48,063	47,226	46,886	46,640
Trunk lines.....	80,996	89,729	102,567	106,990	109,586	112,697	114,772
Oil transported (million bbl.):							
Total received into system.....	2,766	4,058	4,783	5,123	5,334	5,576	5,868
From connecting carriers.....	944	1,434	1,636	1,666	1,685	1,628	1,620
Crude oil.....	879	1,299	1,402	1,411	1,433	1,412	1,385
Refined oils.....	65	134	234	254	252	216	235
Originated.....	1,822	2,624	3,147	3,457	3,649	3,948	4,247
Crude oil.....	1,525	2,038	2,239	2,379	2,467	2,567	2,618
Refined oils.....	297	586	909	1,078	1,182	1,381	1,629
Total delivered out of system.....	2,740	4,039	4,783	5,109	5,322	5,565	5,864
To connecting carriers.....	937	1,444	1,639	1,624	1,648	1,684	1,757
Crude oil.....	874	1,329	1,400	1,353	1,367	1,387	1,361
Refined oils.....	63	115	240	271	281	297	396
Terminated.....	1,803	2,595	3,144	3,485	3,673	3,881	4,107
Crude oil.....	1,510	1,992	2,253	2,428	2,535	2,590	2,641
Refined oils.....	293	603	891	1,057	1,138	1,292	1,466
Trunk-line movement (million bbl.):							
Crude oil.....	1,977	2,781	3,091	3,213	3,355	3,446	3,505
Refined oils.....	390	717	1,124	1,322	1,416	1,601	1,872
Trunk-line barrel-miles (billions):							
Crude oil.....	577	839	976	998	1,054	1,062	1,121
Refined oils.....	107	205	304	347	369	449	627

Source of tables 850 and 851: Interstate Commerce Commission; annual reports, *Statistics of Oil Pipeline Companies*, and, beginning 1955, *Transport Statistics in the United States*, Part 6.